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INTERIM MEASURE PERFORMANCE SPECIFICATIONS FOR GROUP 1 SOLID WASTE MANAGEMENT UNITS 4, 49 AND 50 NS MAYPORT FL

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INTERIM MEASURE PERFORMANCE SPECIFICATIONS GROUP I SOLID WASTE MANAGEMENT UNITS 4, 49, and 50

U.S. NAVAL STATION MAYPORT, FLORIDA

Unit Identification Code: N60201

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October 1997

This document *Interim Measure Performance Specification, Group I, Solid Waste Management Units (SWMUs) 4, 49, 50, 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. 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 to provide information for evaluating the applicability of interim measure activities for SWMUs 4, 49 and 50 at U.S. Naval Station, Mayport, Florida, and should not be construed to apply for any other purpose or site.

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Date: _____

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: October 29, 1997

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(DFAR 252.227-7036)

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 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, establish the means to assess and clean up 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 Naval Assessment and Control of Installation Pollutants (NACIP) program. Early reports reflect the NACIP process and terminology. The Navy eventually adopted the program structure and terminology of the standard IR program.

The IR program is conducted in several stages:

- 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 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 in order 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 to facilities generating or handling hazardous waste.

This program is conducted in 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 U.S. Naval Station (NAVSTA) Mayport are presently being conducted under the RCRA corrective action program. Earlier preliminary investigations had been conducted at NAVSTA Mayport under the 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), the hazardous waste investigations were formalized under the RCRA program.

Mayport is conducting the cleanup at their facility by working though the Southern Division, Naval Facilities Engineering Command. The USEPA and the Florida Department of Environmental Protection (formerly FDER) oversee the Navy environmental program at NAVSTA Mayport. 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) 820-5501.

EXECUTIVE SUMMARY

ABB Environmental Services, Inc., has been contracted by the Department of the Navy, Southern Division, Naval Facilities Engineering Command to conduct a Resource Conservation and Recovery Act (RCRA) Facility Investigation (RFI) for solid waste management units (SWMUs) at U.S. Naval Station (NAVSTA) Mayport, Florida. The RFI is being conducted in accordance with the Hazardous and Solid Waste Amendment permit No. FL9 170 024 260, issued by the U.S. Environmental Protection Agency on March 25, 1988, and revised and reissued on June 15, 1993.

The Interim Measure (IM) Performance Specifications report presents findings and conclusions of existing and additional field activities conducted in the vicinity of Group I SWMUs 4, 49, and 50. Additionally, these data were evaluated to determine whether or not IM activities should be proposed to mitigate possible adverse risk to ecological receptors, if any, posed by the detected chemicals. Current and future use of SWMUs 4, 49, and 50 is anticipated to remain industrial for the foreseeable future.

Based on the findings at the sites, neither additional investigative activities nor an interim measure under the RCRA corrective action program for NAVSTA Mayport appears to be warranted for SWMUs 4, 49, and 50.

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GLOSSARY

ABB-ES	ABB Environmental Services, Inc.
BHC	benzene hexachloride
CFR	Code of Federal Regulations
CLP	Contract Laboratory program
CWA	Clean Water Act
DDD	dichlorodiphenyldichloroethane
DDE	dichlorodiphenyldichloroethene
DDT	dichlorodiphenyltrichloroethane
DQOs	data quality objectives
ER-M	effects range-medium
FAC	Florida Administrative Code
FDEP	Florida Department of Environmental Protection
FR	Federal Register
GIR	General Information Report
HSWA	Hazardous and Solid Waste Amendment
ID	identification
IM	interim measure
mg/ℓ	milligrams per liter
μg/kg	micrograms per kilogram
μg/ℓ	micrograms per liter
NAVSTA	Naval Station
NEESA	Naval Energy and Environmental Support Activity
PCB	polychlorinated biphenyl
PEL	permissible exposure limit
RCRA	Resource Conservation and Recovery Act
RFA/SV	Resource Conservation and Recovery Act (RCRA) facility assessment and sampling visit
RFI	Resource Conservation and Recovery Act Facility Investigation
SVOC	semivolatile organic compound
SWMU	Solid Waste Management Unit
TAL	target analyte list
TCL	target compound list
TCLP	Toxicity Characteristic Leaching Procedure
TEL	threshold effect level
TRPH	total recoverable petroleum hydrocarbons

GLOSSARY (Continued)

USACE	U.S. Army Corps of Engineers
USEPA	U.S. Environmental Protection Agency
VOC	volatile organic compound

1.0 INTRODUCTION

ABB Environmental Services, Inc. (ABB-ES), has been contracted under the Comprehensive Long-term Environmental Action, Navy Contract No. N62467-89-D-0317 by the Department of the Navy, Southern Division, Naval Facilities Engineering Command to conduct a Resource Conservation and Recovery Act (RCRA) Facility Investigation (RFI) for solid waste management units (SWMUs) at U.S. Naval Station (NAVSTA) Mayport, Florida (Figure 1-1). The RFI 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 on June 15, 1993.

This Interim Measure (IM) Performance Specifications report presents findings and conclusions of existing and additional field activities conducted at SWMU 4, Landfill E, SWMU 49, Flight Line Retention Ponds, and SWMU 50, the Western and Eastern Dredge Material Holding Areas (Figure 1-2). The additional field activities consisted of collecting surface water and sediment samples for chemical analysis and sediment samples for biological (survival) testing.

This report presents an evaluation of IM activities proposed to mitigate possible adverse risk to ecological receptors, if any, posed by the detected chemicals. Exposure associated with chemicals detected in surface water and sediment were not evaluated for human receptors. This evaluation was conducted and reported in the RFI for Group I SWMUs (ABB-ES, 1996).

Current and future use of SWMUS 4, 49, and 50 are anticipated to remain industrial for the foreseeable future. Should usage of these SWMUs change from industrial, the site conditions should be evaluated to assess whether or not the usage is compatible with the chemicals detected and IM activities that are proposed, if any, to be conducted.

1.1 PROJECT BACKGROUND. The assessment of chemicals present in environmental media at SWMUs 4, 49, and 50 and recommendations for additional sampling and IM activities is provided in the RFI Group I SWMUs (ABB-ES, 1996) for SWMU 4 and in the RCRA Facility Assessment Sampling Visit (RFA/SV) Report, Groups I and II, (ABB-ES, 1995a) for SWMUs 49 and 50.

An IM has been proposed to reduce the potential for adverse ecological risk to aquatic receptors (ABB-ES, 1996) at the drainage ditch that bisects SWMU 4. Additionally, during the evaluation of the Group 1 landfills, SWMUs 2, 3, 4, and 5 (ABB-ES, 1996), drainage ditches in Group I were sampled in 1994, when dredging of the NAVSTA Mayport Turning Basin was in progress. The placement of dredge material from Mayport Turning Basin into SWMU 50, the Western and Eastern Dredge Material Holding Areas, contributed to the discharge of surface water runoff and groundwater into drainage ditches adjacent to SWMUs 2, 3, 4, and 5. This may have biased analytical results of surface water and sediment samples collected during 1994.

Additional surface water and sediment samples were collected from the ditches during a period when dredging was not being conducted. Analytical and benthic biological survival testing results from this and previous sampling events were

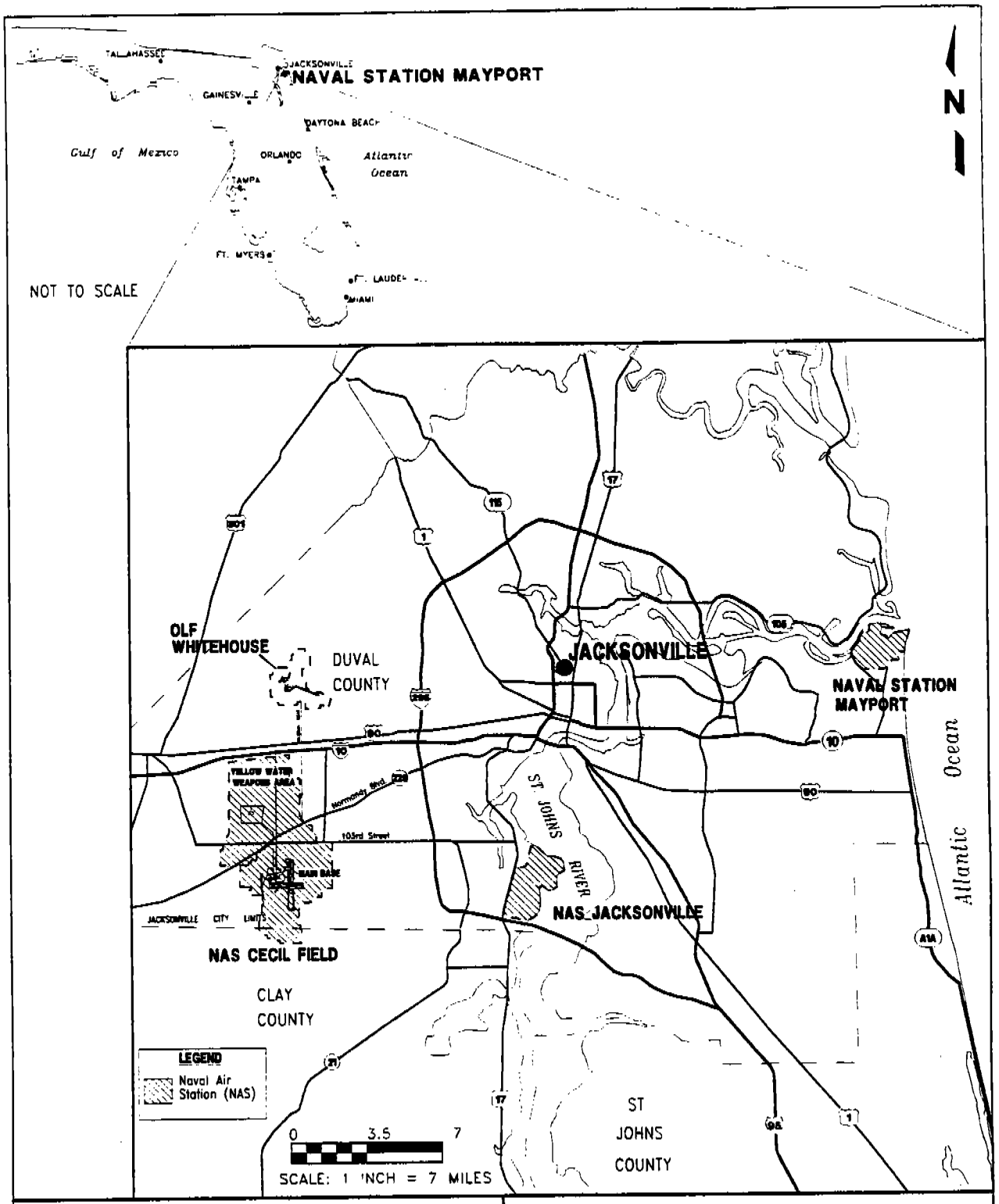

FIGURE 1-1
FACILITY LOCATION MAP

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INTERIM MEASURE PERFORMANCE SPECIFICATIONS
GROUP I SWMUs 4, 49 AND 50

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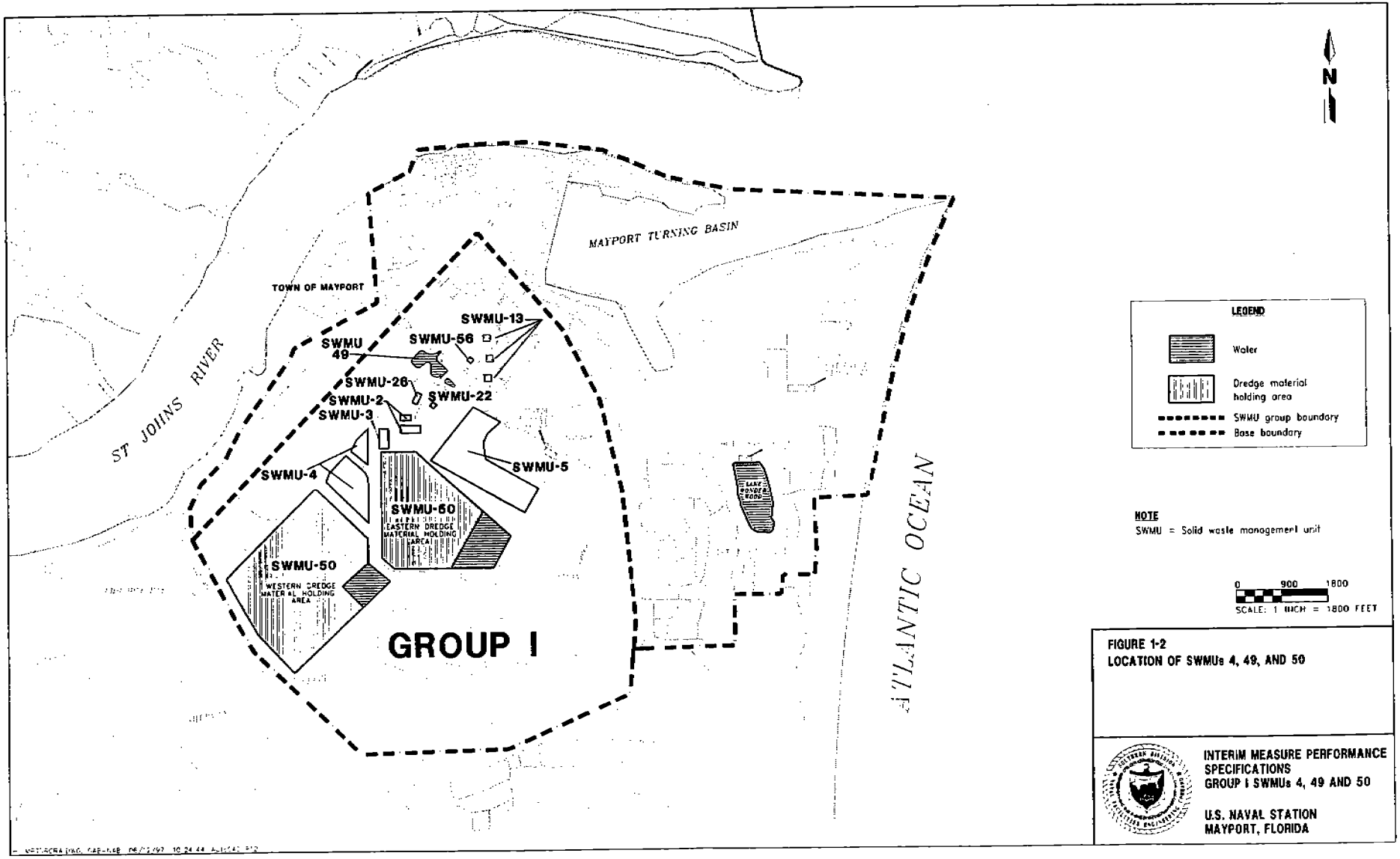

FIGURE 1-2
LOCATION OF SWMUs 4, 49, AND 50

INTERIM MEASURE PERFORMANCE SPECIFICATIONS
GROUP I SWMUs 4, 49 AND 50

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used to assess whether or not dredging may have contributed to the adverse ecological effects observed in the 1994 samples (ABB-ES, 1996).

The overall purpose of the additional sampling event at SWMU 4 and adjacent drainage ditch sampling sites was to collect additional environmental samples (surface water and sediment) and use analytical and biological survival testing results from this and a previous sampling event (ABB-ES, 1996) to further evaluate the sites and, if necessary, develop performance specifications for an IM.

Analytical results from environmental samples collected in 1992 at SWMUs 49 and 50 were compared with ecological-based screening guidelines (USEPA, 1991; Long et al., 1994; and MacDonald, 1994). This comparison suggest that chemicals are potentially present at concentrations where adverse effects may be or are beginning to be observed in aquatic organisms. Biological survival testing of aquatic organisms was not conducted for SWMUs 49 and 50 during the RFA/SV (ABB-ES, 1995a).

Therefore, the purpose of the sampling events at SWMU 49 and 50 is to collect additional environmental samples (surface water and sediment) to conduct an ecological risk assessment as recommended in the RFA/SV report (ABB-ES, 1995a). The ecological risk assessment was conducted to assess whether or not surface water and/or sediment potentially contain chemicals at concentrations that would present adverse effects to the growth, reproduction, and survival of aquatic organisms. The findings from this and previous sampling events were also used to recommend and, if necessary, develop performance specifications for an IM.

1.2 SITE DESCRIPTIONS AND BACKGROUND. Below are site descriptions and background information for SWMU 4, Landfill E, SWMU 49, Flight Line Retention Ponds, and SWMU 50, the Western and Eastern Dredge Material Holding Areas.

1.2.1 SWMU 4, Landfill E Historical information concerning the operation of SWMU 4 was obtained from the RFA conducted by A.T. Kearney in 1989 on behalf of the USEPA. Trenches excavated at the landfill sites intersected the water table, and wastes were placed below the water level. Materials above the water level were burned on a daily basis; the date when this activity was suspended was not provided. The same type of wastes were disposed of at each landfill and were reported to include waste oil, transmission fluid, hydraulic fluid, transformer oil, mercury waste from shipboard and onshore activities, paint waste, asbestos, solvents (chlorinated and nonchlorinated), plating solution, pesticide cans (including chlordane, 2,4-dichlorophenoxy acetic acid, heptachlor, dichloro-diphenyltrichloroethane [DDT], and others), batteries, bilge water, magnaflux dye, penetrants, photoprocessing waste, sanitary garbage, and construction rubble. The wastes were reported to have been generated at NAVSTA Mayport or ships berthed at Mayport Turning Basin (A.T. Kearney, 1989).

The RFA report (A.T. Kearney, 1989) indicated that there is no information concerning the type of material used to cover the landfills; the cover was believed to have been native soil. Based on the history of the area, it is likely that dredge material from Mayport Turning Basin was used as cover rather than native soil.

A review of historical aerial photographs was conducted to assess the accuracy of the historical information on the development of the Group I landfills. Based on this review, the area designated as SWMUs 2, 3, 4, and 5 likely represents areas known to have been used as trench-and-fill and area-fill landfills. It is likely that other areas between the SWMUs may also have been used and would include the parts of the Eastern Dredge Material Holding Area between SWMUs 2, 3, 4, and 5, limited to the south by a line or arc from the southern end of SWMU 4 to the southern end of SWMU 5. Because of the limited number of years represented by the aerial photographs, the extent of the landfill area could not be determined.

The review of the aerial photographs also suggests that during the early years of the development of NAVSTA Mayport dredge material from the construction and routine maintenance of Mayport Turning Basin was used to make up the majority of the land surface of the station. Dredge material was also placed in the vicinity of landfill SWMUs 2, 3, 4, and 5 and the Dredge Material Holding Areas (SWMU 50), which allowed access to areas where solid waste could be placed directly on the marsh. Trench-and-fill landfill areas were constructed only where a sufficient thickness of dredge material had been placed over the marsh. The bottom of the trench-and-fill landfills is likely the former marsh level based on the depth of excavation reported to be approximately 8 feet below land surface (A.T. Kearney, 1989).

Currently, SWMU 4 is divided by a drainage ditch. The northern part of the site (north of the drainage ditch) is used as a laydown yard by contractors at NAVSTA Mayport. The southern part of the site (south of the drainage ditch) has numerous mounds left from disposal operations and is an overgrown field, with a small portion of Disturbed Mesic flatwood. SWMU 4, which has a triangular shape, is bordered on the southwest by the Western Dredge Material Holding Area, on the northwest by the active runway, and on the east by Patrol Road and the Eastern Dredge Material Holding Area and a munitions storage area.

Drainage ditches are located between SWMU 4 and Patrol Road (northwest) and the munitions access road (east). The drainage ditch on the northwest side is tidally influenced and drains to a marsh area located at the southwest end of the runway. The drainage ditch on the east flows in a northern direction and discharges into the drainage ditch that bisects SWMU 4 and also continues north along the eastern site boundary to its confluence with the ditch along Patrol Road.

<u>1.2.2 SWMU 49, Flight Line Retention Ponds</u> The Flight Line Retention Ponds (SWMU 49) are located approximately 1,000 feet north of the eastern dredge spoil disposal area (SWMU 50) (Figure 1-2). 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 Ponds 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. Both ponds are excavated from land surface to a depth of approximately 2 feet below mean sea level.

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, double-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.

1.2.3 **Western and Eastern Dredge Material Holding Areas** SWMU 50 consists of two holding areas located in the southwest part of NAVSTA Mayport 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. 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 1940s 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 are removed. The Navy plans to remove the dredge material to provide capacity for future maintenance dredging of Mayport Turning Basin.

The two upland areas that constitute SWMU 50 are currently in a regulatory dilemma between the U.S. Army Corps of Engineers (USACE) and the USEPA. Nationwide, the USACE permits the use of upland dredge material areas for the routine maintenance of sand silt and clay that reduces the operational depth of shipping channels and berthing areas. The USACE published a Federal Register (FR) notice on April 26, 1988 (53 FR 14902), that concludes dredge materials are not solid waste and are not subject to RCRA.

Currently, the USEPA interprets such upland dredge material areas to be a solid waste disposal area. USEPA's policies regarding the applicability of RCRA to dredge material are as follows:

- point source discharges subject to Section 402 of the Clean Water Act (CWA) are exempt from RCRA;
- hazardous wastes dumped into surface water in a manner that does not trigger Section 402 of the CWA are subject to RCRA regulation, as well as any sediment containing the hazardous waste from such a discharge (contained-in rule); and
- when a chemical discharged into surface water is not subject to RCRA, sediment would be regulated under Subtitle C of RCRA only when dredged from a surface water body and only if it exhibits one or more characteristics of hazardous waste (USEPA, 1986a).

Based on USEPA's interpretation, the upland areas at NAVSTA Mayport are considered SWMUs and are required under the Station's HSWA permit to assess whether or not there has been a release to the environment from the SWMU.

The Western and Eastern Dredge Material Holding Areas are considered by the Navy to be mission essential components for operation of ships assigned to or visiting NAVSTA Mayport. The Western and Eastern Dredge Material Holding Areas are upland areas that were created to contain material (sand, silt, and clay) dredged from Mayport Turning Basin. Without routine dredging approximately every 3 years, Mayport Turning Basin would not be accessible to ships.

Currently, the Western and Eastern Dredge Material Holding Areas are at capacity. The Navy and USACE are exploring alternatives for creating additional capacity by excavation and removal, consolidation, or use as fill in highway construction. Until the decision is made, offshore disposal will be used to dispose of dredge material.

1.3 REPORT CONTENTS. Chapter 2.0 contains a description of the additional sampling activities at SWMUs 4, 49, and 50. Chapter 3.0 presents findings from the sampling activities conducted in 1996 at these sites. Chapter 4.0 contains an ecological risk evaluation for the three sites and an evaluation of whether or not an IM is warranted. Also included is a brief discussion of applicable remedial alternatives for the three sites, if warranted. Chapter 5.0 presents a summary of the findings and evaluation, as well as recommendations, if any, for proposed IM activities.

2.0 SAMPLING AND ANALYTICAL PROGRAM

Additional surface water and sediment samples were collected from each of the three areas and are denoted by the letters "SW" and "SD," respectively, in the sample location identifier. Below is a description of surface water and sediment sampling activities and biological survival testing that were conducted at SWMUs 4, 49, and 50 for the IM performance specifications, the analytical methodologies, and data management.

2.1 RATIONALE FOR SAMPLING CONDUCTED AT SWMU 4. The ecological risk assessment determined that adverse risk is possible for aquatic receptors utilizing the ditch that bisects SWMU 4. The risk may be manifested by affecting growth, reproduction, and survival of individual aquatic organisms (ABB-ES, 1996). The possibility of these risks occurring is based on the concentration of chemicals detected in sediment samples, biological survival testing results using a benthic organism, and the occurrence, distribution, and concentration of ecological chemicals of potential concern in surface water.

Sample locations proposed for the drainage ditch bisecting SWMU 4 are based on results from the 1994 sampling event (ABB-ES, 1995a), as summarized here. The results for sampling location MPT-2-SD17 were a biological survival testing mortality of 77 percent for *Ampelisca abdita* and the detection of silver, cadmium, and mercury at concentrations exceeding benchmark values (Long et al., 1994; and Macdonald, 1994). The results for sampling location MPT-2-SD32 were a biological survival testing mortality of 67 percent for *Ampelisca abdita* and the detection of silver and mercury at concentrations exceeding benchmark values (Long et al., 1994; and Macdonald, 1994). Biological survival testing was not conducted for sampling location MPT-2-SD33, and only one chemical, arsenic, was detected at a concentration exceeding its benchmark value (Long et al., 1994; and Macdonald, 1994).

Sediment samples were collected at a location between the three previously described sample locations. Because collecting sediment samples at SWMU 4 is to focus on data for the IM, the identifier proposed for sample locations was modified to its specific SWMU designation. Sampling location MPT-4-SD01 was between MPT-2-SD17 and MPT-2-SD32, and MPT-4-SD02 was between MPT-2-SD32 and MPT-2-SD33 (Plate 1).

The sampling intervals at location MPT-4-SD01 were from 0 to 1 foot and 1 to 2 feet below the sediment and surface water interface in order to assess the vertical extent of the chemicals detected at sampling locations MPT-2-SD17 and MPT-2-SD32. This is based on the detection of similar chemicals at concentrations exceeding benchmarks at sampling locations MPT-2-SD17 and MPT-2-SD32 and the assumption that the chemicals are present to a depth of 1 foot beneath the surface water sediment interface between the two sampling locations.

The sampling interval at location MPT-4-SD02 was from 1 to 2 feet below the sediment and surface water interface. This location and depth was based on the detection of different chemicals at concentrations exceeding benchmarks at sampling locations MPT-2-SD32 and MPT-2-SD33, and the assumption that the chemicals present at a depth of 1 foot beneath the surface water sediment interface between the two sampling locations had not been adequately defined.

The purpose of the sediment samples are to characterize the vertical extent of chemicals that exceed the screening benchmarks. The analytical results from these samples will also be used to estimate the volume of sediment that requires excavation and disposal at the ditch that bisects SWMU 4, if an interim measure is deemed to be necessary.

The sediment samples were analyzed for target analytes selected from the groundwater monitoring list contained in Appendix IX, 40 Code of Federal Regulations (CFR), Part 264, and USEPA Contract Laboratory Program (CLP) target compound list (TCL) and target analyte list (TAL), including volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), pesticides, polychlorinated biphenyls (PCBs), and metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, cyanide, lead, magnesium, manganese, mercury, nickel, selenium, silver, sodium, thallium, tin, vanadium, and zinc) (Table 2-1). The samples from location MPT-4-5D01 were analyzed by the toxicity characteristic leaching procedure (TCLP).

Surface water and sediment samples were collected from eight other locations, MPT-2-SW/SD20, MPT-2-SW/SD26, MPT-2-SW/SD28, MPT-2-SW/SD31, MPT-2-SW/SD33, MPT-2-SW/SD34, MPT-2-SW/SD38, and MPT-2-SW/SD39, from drainage ditches located adjacent to the Western and Eastern Dredge Material Holding Areas (Plate 1). The eight sampling locations are a subset of the biological survival testing samples collected in 1994 from drainage ditches located adjacent to the Western and Eastern Dredge Material Holding Areas.

The eight sampling locations were selected to provide a current representative characterization of the area during a period when dredge materials were not being placed in the Western and Eastern Dredge Material Holding Areas. A background sample was collected from the same location, MPT-B-SW/SD05, utilized during the 1994 sampling event. The background sediment sample provides a current reference sample for the biological (survival) testing.

Sampling location MPT-B-SW/SD05 was collected as a biological survival testing reference sample. The background sampling location is not provided on Plate 1, but is located approximately 600 feet southeast of the Western Dredge Material Holding Area on the south side of Sherman Creek. The location of this sample is provided on Plate 1 of the NAVSTA Mayport General Information Report (GIR) (ABB-ES, 1995b).

The environmental samples were analyzed for target analytes selected from the groundwater monitoring list contained in Appendix IX, 40 CFR, Part 264, and USEPA CLP TCL and TAL, including VOCs, SVOCs, pesticides, PCBs, and metals (Table 2-1). Biological (survival) testing of benthic organisms (survival of *Hyellela azteca* in freshwater and *Ampelicsa abdita* in marine or estuarine water) was conducted using sediment samples collected from the seven locations. The benthic species used were based on the salinity of the water contained in the pore space of the sediment sample.

2.2 RATIONALE FOR SAMPLING CONDUCTED AT SWMU 49. Eight inorganic analytes were detected in surface water samples at concentrations exceeding background screening criteria (ABB-ES, 1995a). Concentrations of six inorganic analytes (arsenic, beryllium, lead, mercury, nickel, and zinc) were detected in surface water samples at concentrations exceeding their respective ambient water quality

Table 2-1
Environmental Samples to Be Collected at SWMU 4, Landfill E; SWMU 49, Flight Line Retention Ponds; and SWMU 50, the Western and Eastern Dredge Material Holding Areas

Interim Measures Performance Specifications
Group I, SWMUs 4, 49, and 50
U.S. Naval Station
Mayport, Florida

Proposed Sample Designation	Analytical Methods[1]				Sediment Sample Depth[2] (feet)	Comment
	Appendix IX (SW/SD)	Benthic Toxicity	Water Quality	TCLP		
MPT-B-SW/SD05	1/1	1	1	0	0 to 1	Background Sample
MPT-4-SW/SD01	0/1	--	--	1	0 to 1	Interim Measure for SWMU 4
MPT-4-SD01	0/1	--	--	1	1 to 2	Interim Measure for SWMU 4
MPT-4-SD02	0/1	--	--	--	1 to 2	Interim Measure for SWMU 4
MPT-49-SW/SD18 through MPT-49-SW/SD21	4/4	4	4	0	0 to 1	SWMU 49 Samples
MPT-50-SW/SD13	1/1	1	1	--	0 to 1	West Dredge Material Holding Area (DMHA)
MPT-50-SW/SD14	1/1	1	1	--	0 to 1	East DMHA
MPT-2-SW/SD26	1/1	1	1	--	0 to 1	Ditch south of the Eastern DMHA
MPT-2-SW/SD20	1/1	1	1	--	0 to 1	Ditch between Western and Eastern DMHAs
MPT-2-SW/SD28	1/1	1	1	--	0 to 1	Ditch between Western and Eastern DMHAs
MPT-2-SW/SD33	1/1	1	1	--	0 to 1	Ditch between Western and Eastern DMHAs
MPT-2-SW/SD34	1/1	1	1	--	0 to 1	Ditch between Western and Eastern DMHAs
MPT-2-SW/SD31	1/1	1	1	--	0 to 1	Ditch northwest of SWMU 4
MPT-2-SW/SD39	1/1	1	1	--	0 to 1	Ditch northwest of SWMU 4
MPT-2-SW/SD38	1/1	1	1	--	0 to 1	Ditch northwest of Western DMHAs

See notes at end of table.

Table 2-1 (Continued)
Environmental Samples to Be Collected at SWMU 4, Landfill E; SWMU 49, Flight Line Retention Ponds; and SWMU 50, the Western and Eastern Dredge Material Holding Areas

Interim Measures Performance Specifications
Group I, SWMUs 4, 49, and 50
U.S. Naval Station
Mayport, Florida

[1] Analysis of environmental samples using SW-846 methodology (USEPA, 1986).
[2] Sampling depth interval below the surface water and sediment interface.

Appendix IX, volatile organic compounds analysis by U.S. Environmental Protection Agency (USEPA) Method 8240; semivolatile organic compounds analysis by USEPA Method 8270; organochlorine pesticides and polychlorinated biphenyls analysis by USEPA Method 8080; and metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, cyanide, lead, mercury, nickel, selenium, silver, thallium, tin, vanadium, and zinc) analysis by USEPA Methods 6000 and 7000.

Notes: SWMU = Solid Waste Management Unit.
SW/SD = surface water and sediment samples, respectively.
Benthic Toxicity = benthic organism survival testing over a 14-day period using *Hyalella azteca* for freshwater and *Ampelisca abdita* for marine or estuarine water.
Water Quality = alkalinity (reported as calcium carbonate [$CaCO_3$]), ammonia (reported as nitrogen), chloride, hardness (reported as $CaCO^3$), phosphorous, sulfate, sulfide, total dissolved solids, total Kjeldahl nitrogen, total organic carbon, color, and pH.
TCLP = toxicity characteristic leaching procedure.
-- = analytical method not being conducted.
N/A = sampling depth not applicable, sample is a liquid quality control sample.
TBD = sampling depth to be determined in the field at the time of sampling.

criteria (USEPA, 1991) for protection of aquatic life (acute). Five inorganic analytes (beryllium, lead, mercury, nickel, and zinc) were detected in surface water samples at concentrations exceeding Florida's Class III marine surface water standard. VOCs, SVOCs pesticides, and PCBs were not detected in the surface water samples.

Currently there are no ecological benchmark criteria to assess four VOCs (acetone, acetonitrile, 2-butanone, and carbon disulfide), an SVOC (butylbenzylphthalate), and a pesticide (heptachlor), detected in sediment samples.

Two SVOCs (bis(2-ethylhexyl)phthalate, and 2-methylnaphthalene), three pesticides (chlordane, 4,4-dichlorodiphenyldichloroethane [DDD] and 4,4-dichlorodiphenyldichloroethene [DDE]), and eight metals (arsenic, cadmium, copper, lead, mercury, nickel, silver, and zinc) were detected in the sediment samples at concentrations exceeding ecological-based guidance values (Long et al., 1994; and MacDonald, 1994). Concentrations of chlordane, 4,4-DDE, cadmium, nickel, silver, and zinc exceeded their respective ecological benchmark values (Long et al., 1994; and MacDonald, 1994) where biological effects are beginning to be observed (ABB-ES, 1995a). PCBs were not detected in sediment samples.

Aquatic organism survival testing was not conducted during the RFA/SV (ABB-ES, 1995a) to assess whether or not the site-specific combinations and concentrations of chemicals detected in sediment samples at SWMU 49 had the potential to cause adverse risk to benthic receptors. This information is required by the ecological risk assessment to adequately assess whether or not adverse risk to aquatic receptors is possible. Below is the sampling approach to obtain this information.

Surface water and sediment samples were collected from four sampling locations, MPT-49-SW/SD18, MPT-49-SW/SD19, MPT-49-SW/SD20, and MPT-49-SW/SD21 (Figure 2-1). These sample locations represent a subset of previous sampling locations where chemicals were detected at concentrations above the ecological screening criteria (Long et al., 1994; and Macdonald, 1994).

The surface water and sediment samples were analyzed for target analytes selected from the groundwater monitoring list contained in Appendix IX, 40 CFR, Part 264, and USEPA CLP TCL and TAL, including VOCs, SVOCs, pesticides, PCBs, and metals (Table 2-1). Biological (survival) testing of the benthic organism *Hyellela azteca* (freshwater) was conducted using sediment samples collected from the four locations. The benthic species used was based on the salinity of the water contained in the pore space of the sediment sample.

2.3 RATIONALE FOR SAMPLING CONDUCTED AT SWMU 50. The Western and Eastern Dredge Material Holding Areas are considered by the Navy to be mission essential components for operation of ships assigned to or visiting NAVSTA Mayport. The Western and Eastern Dredge Material Holding Areas are upland areas that were created to contain material (sand, silt, and clay) dredged from Mayport Turning Basin. Without routine dredging, Mayport Turning Basin would not be accessible to ships.

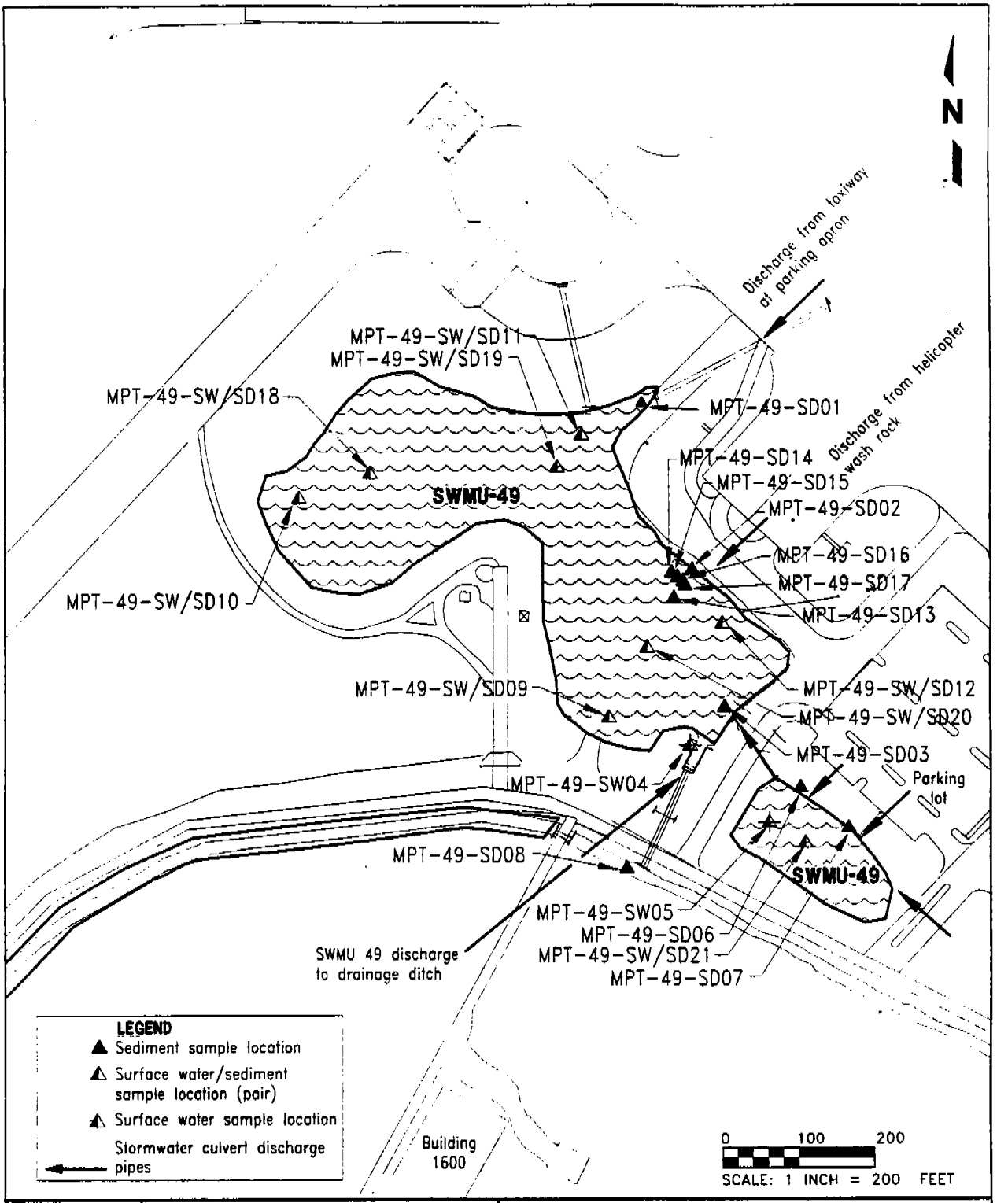

FIGURE 2-1
1992, 1994, AND 1996 SURFACE WATER AND SEDIMENT SAMPLING LOCATIONS AT SWMU 49, FLIGHT LINE RETENTION PONDS

H:\MPT\SWMU49SW.DWG, BB-NAB, 06/12/97, 10:19:24, AutoCAD R12

INTERIM MEASURE PERFORMANCE SPECIFICATIONS
GROUP I SWMUs 4, 49 AND 50

U.S. NAVAL STATION
MAYPORT, FLORIDA

Currently, the Western and Eastern Dredge Material Holding Areas are at capacity. The Navy and USACE are exploring alternatives for creating additional capacity by excavation and removal or consolidation. Until the decision is made, offshore disposal will be used to dispose of dredge material.

Additionally, this upland area, SWMU 50, is currently in a regulatory dilemma between the USACE and the USEPA. Nationwide, the USACE permits the use of upland dredge material areas for the routine maintenance of sand silt and clay that reduces the operational depth of shipping channels and berthing areas. The USEPA interprets such upland dredge material areas to be a solid waste disposal area.

Based on USEPA's interpretation, the upland areas at NAVSTA Mayport are considered SWMUs and are required under the Station's HSWA permit to assess whether or not there has been a release to the environment from the SWMU. The first sampling event to make this assessment was conducted in 1992 and consisted of collecting surface water and sediment samples from accessible parts of the Western and Eastern Dredge Material Holding Areas (ABB-ES, 1995a). Below is a summary of the analytical results from a sampling event conducted in 1992.

Eight inorganic chemicals, arsenic, barium, cobalt, lead, nickel, tin, vanadium and zinc, were detected in surface water samples at concentrations that exceeded either background screening values or benchmark values. SVOCs, pesticides, and PCBs were not detected in the surface water samples. The surface water samples were not analyzed for VOCs (ABB-ES, 1995a).

Benzo(k)fluoranthene, butylbenzylphthalate, di-n-octylphthalate, antimony, beryllium, selenium, and cyanide were target analytes detected in sediment samples that do not have benchmark values established by Long and others (1994) and MacDonald (1994) (ABB-ES, 1995a). Therefore, the concentration where effects to aquatic organisms are observed has not been adequately documented for these chemicals.

Benzo(a)anthracene, benzo(a)pyrene, chrysene, and pyrene were detected in sediment samples at concentrations that exceed the threshold effects level (TEL) (ABB-ES, 1995a). The TEL is a concentration at which no effects were observed in test species or biological communities (MacDonald, 1994). Fluoranthene, cadmium, and lead were detected in sediment samples at concentrations that exceed the effects range low, a concentration intended to estimate conditions where effects would rarely be observed (Long et al., 1994), and the TEL (ABB-ES, 1995a).

None of the target analytes detected in sediment samples exceeded values for the effects range median (ER-M) or probable effects level (PEL) (ABB-ES, 1995a). The ER-M is a concentration intended to estimate conditions where effects would occasionally occur (Long et al., 1994) and the PEL is the lower concentration limit at which effects may be first observed (Macdonald, 1994).

Observation of the two sites suggests that surface water contained in the Western and Eastern Dredge Material Holding Areas is an ephemeral feature that is present during dredging activities and may also be present depending on the frequency and amount of rainfall. Target analytes and their concentrations detected in surface water samples are expected to have considerable variation because of the type of water placed in the holding areas (sea water, brackish water) and the frequency and amount of rainfall.

Surface water contained by each dredge material holding area is channeled through weir systems that are used to control the water-level elevation in the holding area and the amount of water discharging into sediment retention ponds. The water level and amount of water discharging from the sediment retention ponds are also controlled by a weir system. The water in the sediment retention ponds discharges to adjacent marsh areas. The discharge also occurs during periods when dredging is not being conducted. It should be noted that during the 1993 and 1994 dredging events that water was pumped from the sediment retention pond to Mayport Turning Basin.

Water flowing into the sediment retention ponds during the various dredging events likely contained sediment (predominantly silts and clays). The silt and clay size particles from an estuarine environment are more likely to have adsorbed inorganic chemicals (Schropp and Windom, 1988).

It should be noted that dredging events conducted in 1993 and 1994 buried the locations sampled in 1992 beneath approximately 5 to 10 feet of dredge material. Therefore, it is proposed that surface water and sediment samples collected in 1992 be considered representative of chemicals that may be detected in the various layers of dredge material at the Western and Eastern Dredge Material Holding Areas. This assumption suggests that the sediment in the Western and Eastern Dredge Material Holding Areas could potentially contain chemicals that may result in adverse risk to an ecological receptor(s).

The sampling program at the Western and Eastern Dredge Material Holding Areas includes collecting surface water and sediment samples from their respective sediment retention ponds. These sediment retention ponds are used to minimize the amount of sediment laden water discharging to the adjacent marsh areas. Additionally, sediment samples should be collected for biological survival testing using the appropriate benthic organism.

The samples collected in 1992 along with environmental samples collected from the sediment retention pond should be utilized to assess whether or not there is a potential or actual release from SWMU 50. Additionally, some of the surface water and sediment sampling locations where biological survival testing was conducted for the assessment of the Group I landfills (SWMUs 2, 3, 4, and 5) should also be resampled to reevaluate whether or not the dredging event may have resulted in the mortalities observed.

Groundwater discharges directly to drainage ditches in the vicinity of the Western and Eastern Dredge Material Holding Areas (ABB-ES, 1996); therefore, sampling ditches (surface water and sediment samples) in the vicinity of SWMU 50 and the Group I landfills (SWMUs 2, 3, 4, and 5) should provide a direct measure of chemicals being released to the environment. Groundwater sampling is not proposed.

Surface water and sediment contained within the Western and Eastern Dredge Material Holding Areas are not proposed to be sampled. The basis for this is that the interior of the holding areas is in a constant state of flux as it transitions between each dredging event from a saltwater or brackish water flat to a grassy field. During this time, the concentrations of chemicals present in the sediment and those that leach to surface water are expected to change as the Western and Eastern Dredge Material Holding Areas evolve through the various habitat successions. Additionally, the requirements for sampling of surface

water and/or sediment within the Western and Eastern Dredge Material Holding Areas should not be determined until the Navy decides how they will utilize the Western and Eastern Dredge Material Holding Areas.

Based on the above rationale, the actual sampling activities proposed for SWMU 50 to assess whether or not there has been a release to the environment and to conduct the ecological risk assessment consist of collecting surface water, sediment, and biological survival testing samples from the sediment retention ponds located at the Western (MPT-50-SW/SD13) and Eastern (MPT-50-SW/SD14) Dredge Material Holding Areas.

The surface water and sediment samples were analyzed for target analytes selected from the groundwater monitoring list contained in Appendix IX, 40 CFR, Part 264, and USEPA CLP TCL and TAL, including VOCs, SVOCs, pesticides, PCBs, and metals (Table 2-1). Biological survival testing of the benthic organism *Ampelisca abdita* (marine or estuarine water) was also conducted using sediment samples collected from the two locations. The benthic species used was based on the salinity of the water contained in the pore space of the sediment sample.

2.4 ANALYTICAL PROGRAM AND DATA MANAGEMENT. Below is a description of the analytical program and data management for the sampling event.

Analytical Program. The environmental samples (surface water and sediment) were collected using procedures described in Chapter 2.0 of the Navsta Mayport GIR. Aliquots of the sediment sample for analysis of VOCs were placed directly into the sample container. Aliquots of the sediment sample for analysis of SVOCs (USEPA Method 8270), inorganics (USEPA Methods 6000, 7000, and 9000), and total recoverable petroleum hydrocarbons (TRPH) (USEPA Method 418.1) were then homogenized and transferred to appropriate sample containers. Aliquots for the surface water samples were either collected in or transferred to the appropriate sample container. Environmental and quality control samples were placed in coolers, refrigerated with ice, and sent overnight under chain-of-custody protocol to an offsite laboratory for analysis by USEPA SW-846 methods. The laboratory analytical program is described in Section 2.2 of the NAVSTA Mayport GIR (ABB-ES, 1995).

Surface water and sediment samples were analyzed for target analytes selected from the Groundwater Monitoring List contained in Appendix IX, 40 CFR, Part 264, and USEPA CLP TCL and TAL parameters, including VOCs, SVOCs, pesticides, PCBs, metals, and cyanide. These target analytes are described in Chapter 2.0, Analytical Program. The analysis was conducted using methods contained in Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, USEPA SW-846 (USEPA, 1986b). In addition, the surface water samples were analyzed for indicator parameters (total dissolved solids, chloride, alkalinity, hardness, sulfate, sulfide, total Kjeldahl nitrogen, ammonia, nitrate/nitrite, phosphorus, total organic carbon, color, and pH). The duplicate surface water sample was not analyzed for indicator parameters.

Analytical results obtained for the environmental samples were submitted as Naval Energy and Environmental Support Activity (NEESA) Level C (USEPA Level III) analytical packages for SVOCs, pesticides, and metals. The deliverable for TRPH was NEESA Level E. A summary of the analytical results is provided in Appendix A.

Individual analytical results in the analytical packages were reviewed relative to the following criteria:

- Data quality objectives (DQOs) and the Quality Assurance Project Plan in the NAVSTA Mayport RFI Workplan (ABB-ES, 1991)
- NEESA guidance document 20.2-047B, Sampling and Chemical Analysis Quality Assurance Requirements for the Navy Installation Program (NEESA, 1988)
- Laboratory Data Validation Functional Guidelines for Evaluating Inorganic Analyses (USEPA, 1988)
- National Functional Guidelines for Organic Data Review (USEPA, 1990)

The data validation process is described in Section 2.3 of the NAVSTA Mayport GIR (ABB-ES, 1995b).

Data validation summaries are provided in Appendix B. Overall, the data generated during the sampling event meet established DQOs and are acceptable for use in site characterization, risk assessment, and evaluation of corrective measures.

Data Management. Subsets of the complete analytical data set were used to evaluate analytes detected at each SWMU. The following process was used to develop the final data sets:

- The validated Group III data were compiled in electronic form.
- Any detection was included in the data set, including estimated concentrations ("J" qualifiers) below the contract required quantitation limits for organics and contract required detection limits for inorganics, and the method detection limits.
- Sample records rejected by the validators (i.e., "R" qualifiers) were not included in the final data set.
- Quality control samples were not included in the final data set.
- Some samples were reanalyzed by the laboratory. However, based on validator recommendations, the appropriate results were used in the final data set.
- In cases where samples were diluted to quantify specific compounds ("DL" suffix on sample identification [ID]), the dilution recommended by the data validator was used in the final data set.

Minimum concentrations, maximum concentrations, average concentrations, frequencies of detection, and 95 percent upper confidence intervals were calculated for detected analytes using standard statistical methods. However, because environmental and associated duplicate samples represent only one sampling location, duplicate results were averaged before these statistics were calculated. The following guidelines were used to calculate average values for the environmental and duplicate sample pairs:

- For target analytes detected in both the environmental and associated duplicate sample (i.e., "nonqualified positive detection" or "J" qualifier), the detected values were used to calculate the average value.

- For target analytes detected only in either the environmental or duplicate sample (i.e., one sample with nonqualified positive detection or a "J" qualifier and the other a nondetection with a "U" or "UJ" qualifier), the average was calculated by using the detected value and one-half the value of the "U" or "UJ" qualified sample.

The analytical data for surface water and sediment samples collected during the sampling event for the IM performance specifications and previous data collected during the Group I RFI field investigations and used in this report were screened against background data (ABB-ES, 1995) and State and Federal guidance concentrations. Background screening values and benchmark values for analytes detected in NAVSTA Mayport background samples are presented in the NAVSTA Mayport GIR (ABB-ES, 1995).

The analytical results of the surface water samples were compared to updates to background screening values (Appendix C) provided in the NAVSTA Mayport GIR (ABB-ES, 1995), Florida Surface Water Quality Standards for Class III freshwater (Florida Administrative Code [FAC] 62-302), and USEPA Surface Water Chronic Screening Values for freshwater (USEPA, 1995). Surface water standards calculated based on hardness are provided in Appendix D. Florida groundwater guidance criteria (Florida Department of Environmental Protection [FDEP], 1994) were used as surrogates for analytes that did not have Florida Surface Water Quality Standards for Class III freshwater.

The sediment analytical data were compared to updates to background screening values (Appendix C) provided in the NAVSTA Mayport GIR (ABB-ES, 1995), TELs from the document entitled *Approach to the Assessment of Sediment Quality in Florida Coastal Waters* by Macdonald Environmental Sciences, Ltd., 1994, and USEPA "effects values" for sediment (USEPA, 1995). TELs and effects values represent the upper limit for a specific chemical concentration that is not expected to represent a hazard to aquatic organisms.

3.0 FINDINGS

Below are the results of laboratory analysis of surface water and sediment samples and biological testing of sediment samples for SWMUs 49, 50 and 4. Photographs of the areas sampled are provided in Appendix D.

3.1 SWMU 49. Below are laboratory analytical results of the surface water and sediment samples and biological testing of sediment samples collected at SWMU 49.

3.1.1 Surface Water Analytical Results Below are results of the measurement of water quality indicator parameters and laboratory analytical results for the SWMU 49 surface water samples.

Water Quality Indicator Parameter Results. Concentrations of chloride detected in surface water samples ranged from 94.6 to 532 milligrams per liter (mg/ℓ) and salinity measurements ranged from 0.04 to 1.0 parts per thousand (Table 3-1). Based on the chloride analytical results, the water contained in the Flight Line Retention Ponds would be classified as predominantly freshwater (chloride concentrations less than 1,500 mg/ℓ) under State of Florida regulation (FAC 62-302).

Dissolved oxygen ranged from 3.2 to 8.2 mg/ℓ. The dissolved oxygen results do not suggest the presence of anoxic or supper-saturated conditions in the retention ponds.

Hardness was measured at 234 to 317 mg/ℓ, which suggests that the water is very hard (greater than 180 mg/ℓ; Durfor and Becker, 1964). Sulfate, a common form of sulfur under aerobic conditions, was measured at 12.2 to 65.1 mg/ℓ, and sulfide, a common form of sulfur under anaerobic conditions, was measured in one sample at 24.7 mg/ℓ. Chloride and sulfate appear to be the dominant anions.

A summary of nutrient (ammonia-N [ammonia as nitrogen], nitrate/nitrite, phosphorous-P, and total Kjeldahl nitrogen) parameters is also provided in Table 3-1.

Laboratory Analytical Results. VOCs and SVOCs, chlorinated pesticides, and PCBs were not detected in the surface water samples collected in 1992, 1994, or 1996. Inorganic analytes detected in the surface water samples are provided in Table 3-2.

Four inorganic analytes (arsenic, barium, chromium, and lead) were detected at concentrations above their respective background screening values (Table 3-3). Two inorganic analytes, beryllium and mercury, detected in the surface water samples from SWMU 49 were not detected in background samples.

Comparison of the analytical results of the surface water samples to Florida Surface Water Quality Standards and USEPA Surface Water Chronic Screening Values suggests that concentrations of beryllium, cadmium, lead, and mercury exceed their respective screening criteria. Arsenic, barium, and chromium exceed background screening values but not their respective regulatory screening criteria.

Table 3-1
Water Quality Parameters Measured in Surface Water Samples Collected at SWMU 49, Flight Line Retention Ponds

Interim Measures Performance Specifications
Group I, SWMUs 4, 49, and 50
U.S. Naval Station
Mayport, Florida

Analytical Batch Number:	M7646	M7646	M7646	M7646	MB945	MB945	MB945	MB945
Sample Location:	MPT-49-SW09	MPT-49-SW10	MPT-49-SW11	MPT-49-SW12	MPT-49-SW18	MPT-49-SW19	MPT-49-SW20	MPT-49-SW21
Sample Number:	49SW009	49SW010	49SW011	49SW012	49W018	49W019	49W020	49W021
Date Sampled:	02-AUG-94	02-AUG-94	02-AUG-94	02-AUG-94	25-SEP-96	25-SEP-96	25-SEP-96	26-SEP-96
Field Measurements								
Temperature (°C)	32	32	30	32	27.7	28.1	27.4	26.8
pH (standard units)	NM	NM	NM	NM	8.89	9.27	9.3	8.46
Specific conductivity (μmho/cm)	2,200	2,100	2,100	2,100	1.07	0.78	0.98	1.05
Salinity (°/₀₀)	1.0	1.0	1.0	1.0	0.04	0.04	0.04	0.04
Dissolved oxygen (mg/ℓ)	3.2	5.2	5.4	5.8	7.43	8.0	8.2	6.0
Turbidity (NTU)	NM	NM	NM	NM	34	43	49	37
Laboratory Measurements (mg/ℓ)								
Alkalinity as $CaCO_3$	166	150	150	146	195	186	180	104
Ammonia-N	0.3	--	--	--	--	--	--	--
Chloride	525	525	512	532	120	120	128	94.6
Hardness as $CaCO_3$	317	288	308	308	282	260	290	234
Phosphorous-P, total	0.31	0.22	0.25	0.34	0.07	0.09	0.1	0.09
Sulfate	57.7	65.1	55.8	61.8	20.5	21.6	21.5	12.2
Sulfide	24.7	--	--	--	--	--	--	--
Total dissolved solids	NA	NA	NA	NA	444	442	456	303
Total Kjeldahl nitrogen	2.6	3.2	106	2.3	1.3	1.5	1.4	1.7
Total organic carbon	NA	NA	NA	NA	7.4	6.6	6.3	5.7

Notes: SWMU = Solid Waste Management Unit.
°C = degree Celsius.
NM = not measured.
μmho/cm = micromhos per centimeter.
°/₀₀ = parts per thousand.
mg/ℓ = milligrams per liter.
NTU = nephelometric turbidity units.
$CaCO_3$ = calcium carbonate.
-- = concentration of analyte, if present, was less than detection limit.
NA = not analyzed.

Table 3-2
Inorganic Analytes Detected In Surface Water Samples Collected at SWMU 49, Flight Line Retention Ponds

Interim Measures Performance Specifications
Group I, SWMUs 4, 49, and 50
U.S. Naval Station
Mayport, Florida

Analytical Batch Number:	21528	21528	21528	M7645	M7645	M7645
Sample Location:	MPT-49-SW04	MPT-49-SW04	MPT-49-SW05	MPT-49-SW09	MPT-49-SW10	MPT-49-SW11
Sample Number:	MPT49SW41	MPT49SW41DUP	MPT49SW51	49SW009	49SW010	49SW011
Date Sampled:	22-APR-92	22-APR-92	22-APR-92	02-AUG-94	02-AUG-94	02-AUG-94
Inorganic Analytes (µg/ℓ)						
Antimony	--	--	14 J	--	2.4 J	2.6 J
Arsenic	--	--	--	1.7 J	6.8 J	2.9 J
Barium	6.8 J	7.4 J	10.9 J	18.4 J	35.6 J	12 J
Beryllium	--	--	--	--	0.88 J	--
Cadmium	--	--	--	--	6 J	--
Chromium	--	2.6 J	3.5 J	2.1 J	14.1	--
Copper	--	--	--	12.4 J	18.4 J	--
Lead	20.2 J	15.6 J	14.9 J	4.1 J	34.2 J	--
Mercury	--	--	--	--	0.23	--
Nickel	--	--	3.9 J	78.6 J	17.6 J	--
Selenium	--	--	--	--	--	--
Tin	--	--	--	--	--	--
Vanadium	2.4 J	3.4 J	4.8 J	4.8 J	29 J	3.4 J
Zinc	--	--	--	38	164	--
Cyanide	--	--	--	--	0.33 J	--

See notes at end of table.

Table 3-2 (Continued)
Inorganic Analytes Detected in Surface Water Samples Collected at SWMU 49, Flight Line Retention Ponds

Interim Measures Performance Specifications
Group I, SWMUs 4, 49, and 50
U.S. Naval Station
Mayport, Florida

Analytical Batch Number:	M7645	MB943	MB943	MB943	MB943
Sample Location:	MPT-49-SW12	MPT-49-SW18	MPT-49-SW19	MPT-49-SW20	MPT-49-SW21
Sample Number:	49SW012	49W018	49W019	49W020	49W021
Date Sampled:	02-AUG-94	25-SEP-96	25-SEP-96	25-SEP-96	26-SEP-96
Inorganics Analytes (µg/ℓ)					
Antimony	--	--	--	--	--
Arsenic	1.4 J	--	--	--	--
Barium	15 J	5.3 J	10.5 J	7.8 J	11.9 J
Beryllium	--	--	--	--	--
Cadmium	--	--	--	--	--
Chromium	--	2 J	1.6 J	1.9 J	1.5 J
Copper	--	--	--	--	--
Lead	--	--	--	--	--
Mercury	--	--	--	--	--
Nickel	--	--	--	--	--
Selenium	--	4.4 J	--	--	--
Tin	--	119	132	125	98.2
Vanadium	3.3 J	2.2 J	2.1 J	2.1 J	4.9 J
Zinc	--	--	135	--	--
Cyanide	--	--	--	--	--

Notes: SWMU = Solid Waste Management Unit.
µg/ℓ = micrograms per liter.
-- = concentration of analyte, if present, was less than detection limit.
J = estimated value.

Table 3-3
Summary of Chemicals Detected in Surface Water Samples (Unfiltered) Collected at SWMU 49, Flight Line Retention Ponds

Interim Measures Performance Specifications
Group I, SWMUs 4, 49, and 50
U.S. Naval Station
Mayport, Florida

Analyte	Frequency of Detection[1]	Reporting Limit Range	Detected Concentration Range	Mean of Detected Concentration[2]	Background Screening Concentration[3]	Florida Surface Water Quality Standards (Class III Freshwater)[4]	Frequency Above Florida Surface Water Quality Standards[5]	USEPA Surface Water Chronic Screening Value (Freshwater)[6]	Frequency Above USEPA Surface Water Chronic Screening Value[7]
Inorganic Analytes (µg/ℓ)									
Antimony	3/10	2.2 to 10.9	2.4 to 14	6.3	77.6	4,300	0/10	160	0/10
Arsenic	4/10	0.9 to 5.2	1.4 to 6.8	3.2	6.2	50	0/10	190	0/10
Barium	10/10	NA	5.3 to 35.6	13.5	23	[8]2,000	0/10	NSC	NSC
Beryllium	1/10	0.11 to 0.2	0.88	0.88	ND	0.13	1/10	0.53	1/10
Cadmium	1/10	0.38 to 3	6	6	3.2	[9]2.58	1/10	[9]2.58	1/10
Chromium	8/10	2 to 2.1	1.5 to 14.1	3.6	5.0	[9]489	0/10	[9]489	0/10
Copper	2/10	2.1 to 25.8	12.4 to 18.4	15.4	27.4	[9]29	0/10	[9]29	0/10
Lead	4/10	0.9 to 6.4	4.1 to 34.2	17.8	2.6	[9]12.1	3/10	[9]12.1	3/10
Mercury	1/10	0.04 to 0.16	0.23	0.23	ND	0.012	1/10	0.012	0/10
Nickel	3/10	1.2 to 7.8	3.9 to 78.6	33.4	26	[9]383	0/10	[9]383	0/10
Selenium	1/10	1.2 to 3.9	4.4	4.4	11.6	5	0/10	5	0/10
Tin	4/10	9.4 to 26.4	98.2 to 132	119	1552	[8]4,200	0/10	NSC	NSC
Vanadium	10/10	NA	2.1 to 29	5.9	7.8	[8]49	0/10	NSC	NSC
Zinc	3/10	0.9 to 81.6	38 to 164	112	4	[9]258	0/10	[9]258	0/10
Cyanide	1/10	0.32 to 1.8	0.33	0.33	4.2	5.2	0/10	5.2	0/10

See notes at end of table.

Table 3-3 (Continued)
Summary of Chemicals Detected in Surface Water Samples (Unfiltered) Collected at SWMU 49, Flight Line Retention Ponds

Interim Measures Performance Specifications
Group I, SWMUs 4, 49, and 50
U.S. Naval Station
Mayport, Florida

[1] Frequency of detection is the number of environmental samples in which the analyte was detected over the total number of environmental samples analyzed (excluding rejected values). An environmental sample and duplicate were considered one sample.
[2] The mean of detected concentrations is the arithmetic mean of all samples in which the analyte was detected. It does not include those samples with "R", "U", or "UJ" validation qualifiers.
[3] 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. The average detected organic values are provided for comparison purposes only.
[4] Values are from Florida Surface Water Quality Standards (Florida Administration Code [FAC] 62-302) (Florida Department of Environmental Protection [FDEP], 1995). Values from FDEP Groundwater Guidance Concentrations (FDEP, 1994) are used as surrogate comparison values whenever the Surface Water Quality Standards do not contain a value for a specific analyte.
[5] The number of samples in which the analyte was detected at a concentration above both the background screening concentration (for inorganics only) and the Florida Surface Water Quality Standards (FAC 62-302) in relation to the total number of samples analyzed.
[6] Values are from USEPA Region IV Supplemental Guidance to Risk Assessment Guidance for Superfund (RAGS): Ecological Risk Assessment (USEPA, 1995).
[7] The number of samples in which the analyte was detected at a concentration above both the background screening concentration (for inorganics only) and the USEPA Region IV Supplemental Guidance to RAGS: Ecological Risk Assessment (USEPA, 1995) in relation to the number of samples analyzed.
[8] Value is from FDEP Groundwater Guidance Concentrations (FDEP, 1994).
[9] Value is a hardness-based criterion. The criterion and calculation are presented in Appendix D.

Notes: Environmental samples: 49SW009, 49SW010, 49SW011, 49SW012, 49W018, 49W019, 49W020, 49W021, MPT49SW41, and MPT49SW51. Analytical results are provided in Table 3-2.
Environmental sample duplicates: MPT49SW41DUP
Background samples: 00SW001, 0BW005, MPT-B-SW-1, MPT-B-SW-2, MPT-B-SW-3, MPTBSW4, MPTBSW5, MPTBSW6, and MPTBSW7.
Background sample duplicates: MPT-B-SW-1D, and MPTBSW7D.
The average of an environmental or background sample and its duplicate, if collected, is used in all calculations.
Please refer to Appendix C for the analytical results of the background samples.

SWMU = Solid Waste Management Unit.
USEPA = U.S. Environmental Protection Agency.
$\mu g/\ell$ = micrograms per liter.
NA = not applicable.
NSC = no screening concentration available.
ND = not detected in background surface water samples.

Beryllium, cadmium, and mercury were detected as single occurrences in surface water samples collected in 1994 but were not detected in samples collected in 1992 or 1996. Lead was detected in surface water samples collected in 1992 and 1994 but not in 1996.

3.1.2 **Sediment Analytical Results** VOCs and SVOCs, chlorinated pesticides, and inorganic analytes were detected in sediment samples collected in 1992, 1994, and 1996 (Table 3-4). PCBs were not detected in the sediment samples.

The organic compounds detected in the sediment samples were compared to FDEP TELs and USEPA effects values (Table 3-5). Screening values have not been established for any of the detected VOCs (2-butanone, acetone, acetonitrile, carbon disulfide, methylene chloride, and toluene), three of the SVOCs (butylbenzyl-phthalate, di-n-octylphthalate, and n-nitroso-di-n-propylamine), and one pesticide (heptachlor). Seven of the SVOCs (benzo(a)anthracene, benzo(a)pyrene, bis(2-ethylhexyl)phthalate, fluoranthene, 2-methylnaphthalene, naphthalene, and pyrene) were detected at concentrations that exceeded their respective TELs and effects values. Three pesticides (4,4'-DDD; 4,4'-DDE; and chlordane) were detected at concentrations that exceeded their respective TELs and effects values.

The inorganic analytes detected in the sediment samples were compared to background screening values, FDEP TELs, and USEPA effects values (Table 3-5). Eleven of the inorganic analytes (arsenic, beryllium, chromium, cobalt, copper, lead, mercury, nickel, tin, vanadium, and zinc) were detected at concentrations that exceed background screening values. Antimony, silver, and cyanide were detected in the sediment samples from SWMU 49 but were not detected in background sediment samples.

TELs and effects values have not been established for eight of the inorganic analytes (barium, beryllium, cobalt, selenium, thallium, tin, vanadium, and cyanide). Eight of the inorganic analytes were detected at concentrations that exceed their respective TELS and effects values (antimony, arsenic, copper, lead, mercury, nickel, silver, and zinc). Silver and cyanide were detected in SWMU 50 sediment samples but were not detected in the background samples.

3.1.3 **Biological Testing Results** Fourteen-day biological testing was conducted with sediment collected in September 1996 from four sampling locations (MPT-49-SD18 through MPT-49-SD21). The freshwater amphipod *Hyalella azteca* was used in the survival test based on the salinity of the sediment pore fluid (Table 3-6). Survival percentages for the samples ranged from 88 to 100 percent. The survival percentage for the laboratory-created control samples ranged from 91 to 96 percent and 79 percent for background sampling location MPT-B-SD05. Table 3-6 also lists chemicals and concentrations detected in the four samples collected in 1996 that do not have a TEL or effects value, that exceeded their respective TEL and effects value, or that exceeded background screening concentrations. A report on the biological testing conducted by Springborn Laboratories, Inc., is provided in Appendix E.

3.2 **SWMU 50**. Below are laboratory analytical results of the surface water and sediment samples and biological testing of sediment samples collected at SWMU 50.

Table 3-4
Organic and Inorganic Analytes Detected in Sediment Samples Collected at SWMU 49, Flight Line Retention Ponds

Interim Measures Performance Specifications
Group I, SWMUs 4, 49, and 50
U. S. Naval Station
Mayport, Florida

Analytical Batch Number:	21528	21528	21528	21528	R8730	21528
Sample Location:	MPT-49-SD01	MPT-49-SD02	MPT-49-SD03	MPT-49-SD06	MPT-49-SD06	MPT-49-SD07
Sample Number:	MPT49SD11	MPT49SD21	MPT49SD31	MPT49SD61	49SD006	MPT49SD71
Date Sampled:	22-APR-92	22-APR-92	22-APR-92	22-APR-92	12-SEP-94	22-APR-92
Sampled Depth (ft bls):	0 to 1	0 to 1	0 to 1	0 to 1	0 to 1	0 TO 1
Volatile Organic Compounds (µg/kg)						
Acetone	NA	NA	NA	NA	NA	NA
Acetonitrile	NA	NA	NA	NA	NA	NA
2-Butanone	NA	NA	NA	NA	NA	NA
Carbon disulfide	NA	NA	NA	NA	NA	NA
Methylene chloride	NA	NA	NA	NA	NA	NA
Toluene	NA	NA	NA	NA	NA	NA
Semivolatile Organic Compounds (µg/kg)						
Benzo(a)anthracene	--	--	--	--	NA	--
Benzo(b)fluoranthene	--	--	--	--	NA	--
Benzo(k)fluoranthene	--	--	--	--	NA	--
Benzo(g,h,i)perylene	--	--	--	--	NA	--
Benzo(a)pyrene	--	--	--	--	NA	--
Butylbenzylphthalate	--	510	--	--	NA	--
Chrysene	--	--	--	--	NA	--
Di-n-butylphthalate	--	--	--	--	--	--
Di-n-octylphthalate	--	--	--	--	NA	--
bis(2-Ethylhexyl)phthalate	220	26,000	87	600	NA	--
Fluoranthene	--	370	--	--	NA	49

See notes at end of table.

Table 3-4 (Continued)
Organic and Inorganic Analytes Detected in Sediment Samples Collected at SWMU 49, Flight Line Retention Ponds

Interim Measures Performance Specifications
Group I, SWMUs 4, 49, and 50
U. S. Naval Station
Mayport, Florida

Analytical Batch Number:	21528	21528	21528	21528	R8730	21528
Sample Location:	MPT-49-SD01	MPT-49-SD02	MPT-49-SD03	MPT-49-SD06	MPT-49-SD06	MPT-49-SD07
Sample Number:	MPT49SD11	MPT49SD21	MPT49SD31	MPT49SD61	49SD006	MPT49SD71
Date Sampled:	22-APR-92	22-APR-92	22-APR-92	22-APR-92	12-SEP-94	22-APR-92
Sampled Depth (ft bls):	0 to 1	0 to 1	0 to 1	0 to 1	0 to 1	0 TO 1
Semivolatile Organic Compounds (µg/kg) (continued)						
Indeno(1,2,3-cd)pyrene	--	--	--	--	NA	--
2-Methylnaphthalene	--	1300	--	--	--	--
Naphthalene	--	16,000	--	--	--	--
N-nitroso-di-n-propylamine	--	--	--	--	--	360
Pyrene	--	320	--	--	NA	52
Pesticide Compounds (µg/kg)						
Chlordane	--	--	--	--	--	730
4,4-DDD	--	--	--	--	--	38
4,4-DDE	--	--	--	--	--	--
Heptachlor	--	--	--	--	--	51
Inorganic Analytes (mg/kg)						
Antimony	--	12.7	--	--	NA	--
Arsenic	2.7	2.8	0.44	8.7	NA	1.0
Barium	11.4	29	2.8	14.3	NA	6.9
Beryllium	0.4	--	--	0.68	NA	0.11
Cadmium	--	--	--	--	NA	--
Chromium	12.2	32.9	--	20	NA	17.6

See notes at end of table.

Table 3-4 (Continued)
Organic and Inorganic Analytes Detected in Sediment Samples Collected at SWMU 49, Flight Line Retention Ponds

Interim Measures Performance Specifications
Group I, SWMUs 4, 49, and 50
U. S. Naval Station
Mayport, Florida

Analytical Batch Number:	21528	21528	21528	21528	R8730	21528
Sample Location:	MPT-49-SD01	MPT-49-SD02	MPT-49-SD03	MPT-49-SD06	MPT-49-SD06	MPT-49-SD07
Sample Number:	MPT49SD11	MPT49SD21	MPT49SD31	MPT49SD61	49SD006	MPT49SD71
Date Sampled:	22-APR-92	22-APR-92	22-APR-92	22-APR-92	12-SEP-94	22-APR-92
Sampled Depth (ft bls):	0 to 1	0 to 1	0 to 1	0 to 1	0 to 1	0 TO 1
Inorganic Analytes (mg/kg) (continued)						
Cobalt	2.1	1.5	--	3.9	NA	--
Copper	7.6	49.7	2.2	17	NA	11.8
Lead	5.8	76	2.3	23.8	NA	13.3
Mercury	--	--	--	--	NA	--
Nickel	8	14.3	2.9	9.3	NA	13.4
Selenium	0.47	0.66	--	--	NA	--
Silver	--	1.3	--	--	NA	--
Thallium	--	--	--	--	NA	--
Tin	--	--	--	--	NA	--
Vanadium	12.5	3.3	1.5	22.6	NA	4.3
Zinc	34	97.5	10.1	52.3	NA	26.8
Cyanide	--	1.2	2.2	--	NA	11.8

See notes at end of table.

Table 3-4 (Continued)
Organic and Inorganic Analytes Detected in Sediment Samples Collected at SWMU 49, Flight Line Retention Ponds

Interim Measures Performance Specifications
Group I, SWMUs 4, 49, and 50
U. S. Naval Station
Mayport, Florida

Analytical Batch Number:	R8730	21528	21528	M7645	M7645	M7645
Sample Location:	MPT-49-SD07	MPT-49-SD08	MPT-49-SD08	MPT-49-SD09	MPT-49-SD10	MPT-49-SD11
Sample Number:	49SD007	MPT49SD81	MPT49SD81DUP	49SD009	49SD010	49SD011
Date Sampled:	12-SEP-94	22-APR-92	22-APR-92	02-AUG-94	02-AUG-94	02-AUG-94
Sampled Depth (ft bls):	0 to 1	0 to 1	0 to 1	0 to 1	0 to 1	0 to 1
Volatile Organic Compounds (µg/kg)						
Acetone	NA	NA	NA	230 J	240 J	--
Acetonitrile	NA	NA	NA	--	--	--
2-Butanone	NA	NA	NA	20 J	33 J	15 J
Carbon disulfide	NA	NA	NA	30	56	18
Methylene chloride	NA	NA	NA	--	--	--
Toluene	NA	NA	NA	--	--	--
Semivolatile Organic Compounds (µg/kg)						
Benzo(a)anthracene	NA	--	--	--	--	--
Benzo(b)fluoranthene	NA	--	--	--	--	--
Benzo(k)fluoranthene	NA	--	--	--	--	--
Benzo(g,h,i)perylene	NA	--	--	--	--	--
Benzo(a)pyrene	NA	--	--	--	--	--
Butylbenzylphthalate	NA	--	--	--	--	--
Chrysene	NA	--	--	--	--	--
Di-n-butylphthalate	--	--	970	--	--	--
Di-n-octylphthalate	NA	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	NA	98	73	--	--	--
Fluoranthene	NA	54	--	--	--	--

See notes at end of table.

Table 3-4 (Continued)
Organic and Inorganic Analytes Detected in Sediment Samples Collected at SWMU 49, Flight Line Retention Ponds

Interim Measures Performance Specifications
Group I, SWMUs 4, 49, and 50
U. S. Naval Station
Mayport, Florida

Analytical Batch Number:	R8730	21528	21528	M7645	M7645	M7645
Sample Location:	MPT-49-SD07	MPT-49-SD08	MPT-49-SD08	MPT-49-SD09	MPT-49-SD10	MPT-49-SD11
Sample Number:	49SD007	MPT49SD81	MPT49SD81DUP	49SD009	49SD010	49SD011
Date Sampled:	12-SEP-94	22-APR-92	22-APR-92	02-AUG-94	02-AUG-94	02-AUG-94
Sampled Depth (ft bls):	0 to 1	0 to 1	0 to 1	0 to 1	0 to 1	0 to 1
Semivolatile Organic Compounds (µg/kg) (continued)						
Indeno(1,2,3-cd)pyrene	NA	--	--	--	--	--
2-Methylnaphthalene	--	--	--	--	--	--
Naphthalene	--	--	--	--	--	--
N-nitroso-di-n-propylamine	--	--	--	--	--	--
Pyrene	NA	56	--	--	--	--
Pesticide Compounds (µg/kg)						
Chlordane	--	--	--	--	--	--
4,4-DDD	--	8	--	--	--	--
4,4-DDE	--	11	2.6	2.8 J	2.4	8.7
Heptachlor	--	--	--	--	--	--
Inorganic Analytes (mg/kg)						
Antimony	NA	--	--	2.3 J	1.6 J	2 J
Arsenic	NA	0.85	0.4	4.5 J	6.2 J	10.8
Barium	NA	4.3	5.3	17 J	18 J	19.2 J
Beryllium	NA	0.09	0.06	0.65 J	0.93 J	1.1 J
Cadmium	NA	0.09	--	--	--	--
Chromium	NA	3.9	4.4	23.4	28.3	31.8

See notes at end of table.

Table 3-4 (Continued)
Organic and Inorganic Analytes Detected in Sediment Samples Collected at SWMU 49, Flight Line Retention Ponds

Interim Measures Performance Specifications
Group I, SWMUs 4, 49, and 50
U. S. Naval Station
Mayport, Florida

Analytical Batch Number:	R8730	21528	21528	M7645	M7645	M7645
Sample Location:	MPT-49-SD07	MPT-49-SD08	MPT-49-SD08	MPT-49-SD09	MPT-49-SD10	MPT-49-SD11
Sample Number:	49SD007	MPT49SD81	MPT49SD81DUP	49SD009	49SD010	49SD011
Date Sampled:	12-SEP-94	22-APR-92	22-APR-92	02-AUG-94	02-AUG-94	02-AUG-94
Sampled Depth (ft bls):	0 to 1	0 to 1	0 to 1	0 to 1	0 to 1	0 to 1
Inorganic Analytes (mg/kg) (continued)						
Cobalt	NA	1.1	--	3.1 J	3.2 J	6.9
Copper	NA	3.4	5.3	11.9 J	7.4 J	45.7
Lead	NA	2.7	3.4	22.9 J	14.2 J	21.9 J
Mercury	NA	--	--	--	0.83	--
Nickel	NA	1.9	1.9	56	--	70.6
Selenium	NA	--	--	--	--	--
Silver	NA	--	--	--	--	2.4 J
Thallium	NA	--	--	--	--	--
Tin	NA	--	--	8.8 J	9.2 J	10.9 J
Vanadium	NA	3.4	2.5	23 J	29.6 J	37.9 J
Zinc	NA	107	19	94.1	42.4	625
Cyanide	NA	0.9	0.33	0.12 J	--	--

See notes at end of table.

Table 3-4 (Continued)
Organic and Inorganic Analytes Detected in Sediment Samples Collected at SWMU 49, Flight Line Retention Ponds

Interim Measures Performance Specifications
Group I, SWMUs 4, 49, and 50
U. S. Naval Station
Mayport, Florida

Analytical Batch Number:	M7645	R8730	R8730	R8730	R8730	R8730
Sample Location:	MPT-49-SD12	MPT-49-SD13	MPT-49-SD14	MPT-49-SD15	MPT-49-SD16	MPT-49-SD17
Sample Number:	49SD012	49SD013	49SD014	49SD015	49SD016	49SD017
Date Sampled:	02-AUG-94	12-SEP-96	12-SEP-94	12-SEP-94	12-SEP-94	12-SEP-94
Sampled Depth (ft bls):	0 to 1	0 to 1	0 to 1	0 to 1	0 to 1	0 to 1
Volatile Organic Compounds (µg/kg)						
Acetone	510 J	--	--	--	--	--
Acetonitrile	--	--	--	--	--	--
2-Butanone	64 J	--	--	--	--	--
Carbon disulfide	58	--	--	--	--	13
Methylene chloride	--	--	--	--	--	--
Toluene	--	--	--	--	--	--
Semivolatile Organic Compounds (µg/kg)						
Benzo(a)anthracene	--	--	--	--	--	--
Benzo(b)fluoranthene	--	--	--	--	--	--
Benzo(k)fluoranthene	--	--	--	--	--	--
Benzo(g,h,i)perylene	--	--	--	--	--	--
Benzo(a)pyrene	--	--	--	--	--	--
Butylbenzylphthalate	--	--	--	--	--	--
Chrysene	--	--	--	--	--	--
Di-n-butylphthalate	--	--	--	--	--	--
Di-n-octylphthalate	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	--	110 J	94 J	460 J	--	440 J
Fluoranthene	--	--	--	--	--	--

See notes at end of table.

Table 3-4 (Continued)
Organic and Inorganic Analytes Detected In Sediment Samples Collected at SWMU 49, Flight Line Retention Ponds

Interim Measures Performance Specifications
Group I, SWMUs 4, 49, and 50
U. S. Naval Station
Mayport, Florida

Analytical Batch Number:	M7645	R8730	R8730	R8730	R8730	R8730
Sample Location:	MPT-49-SD12	MPT-49-SD13	MPT-49-SD14	MPT-49-SD15	MPT-49-SD16	MPT-49-SD17
Sample Number:	49SD012	49SD013	49SD014	49SD015	49SD016	49SD017
Date Sampled:	02-AUG-94	12-SEP-96	12-SEP-94	12-SEP-94	12-SEP-94	12-SEP-94
Sampled Depth (ft bls):	0 to 1	0 to 1	0 to 1	0 to 1	0 to 1	0 to 1
Semivolatile Organic Compounds (µg/kg) (continued)						
Indeno(1,2,3-cd)pyrene	--	--	--	--	--	--
2-Methylnaphthalene	--	--	--	--	--	--
Naphthalene	--	--	--	--	--	--
N-nitroso-di-n-propylamine	--	--	--	--	--	--
Pyrene	--	--	--	--	--	--
Pesticide Compounds (µg/kg)						
Chlordane	--	--	--	--	--	--
4,4-DDD	--	--	--	--	1.4 J	--
4,4-DDE	9.1	1.4	1.2	--	1.8 J	--
Heptachlor	--	--	--	--	--	--
Inorganic Analytes (mg/kg)						
Antimony	1.7 J	--	--	--	--	--
Arsenic	6.9 J	0.2 J	0.69 J	1.1 J	14.4	5.3
Barium	18.1 J	3.4 J	--	3.6 J	5.9 J	17 J
Beryllium	0.83 J	--	0.09 J	0.11 J	0.4 J	0.74 J
Cadmium	--	--	--	--	0.33 J	--
Chromium	24.9	4.4 J	1.9 J	5.9	8.6	31.5

See notes at end of table.

Table 3-4 (Continued)
Organic and Inorganic Analytes Detected in Sediment Samples Collected at SWMU 49, Flight Line Retention Ponds

Interim Measures Performance Specifications
Group I, SWMUs 4, 49, and 50
U. S. Naval Station
Mayport, Florida

Analytical Batch Number:	M7645	R8730	R8730	R8730	R8730	R8730
Sample Location:	MPT-49-SD12	MPT-49-SD13	MPT-49-SD14	MPT-49-SD15	MPT-49-SD16	MPT-49-SD17
Sample Number:	49SD012	49SD013	49SD014	49SD015	49SD016	49SD017
Date Sampled:	02-AUG-94	12-SEP-96	12-SEP-94	12-SEP-94	12-SEP-94	12-SEP-94
Sampled Depth (ft bls):	0 to 1	0 to 1	0 to 1	0 to 1	0 to 1	0 to 1
Inorganic Analytes (mg/kg) (continued)						
Cobalt	3.6 J	--	--	--	0.94 J	--
Copper	11.9 J	--	0.27 J	--	--	--
Lead	22.9 J	--	--	--	2.2	10.9
Mercury	--	--	--	--	--	0.07 J
Nickel	7.8 J	--	--	--	--	--
Selenium	--	--	--	--	0.16 J	0.55 J
Silver	--	--	--	--	--	--
Thallium	--	--	--	0.21 J	0.32 J	0.31 J
Tin	10 J	3.6 J	--	--	--	6.8 J
Vanadium	26.6 J	3.1 J	1.6 J	3.9 J	15.5	38.3
Zinc	57.5	4.9 J	2.8 J	10.1	6.7	15.9
Cyanide	--	--	--	--	--	0.42 J

See notes at end of table.

Table 3-4 (Continued)
Organic and Inorganic Analytes Detected in Sediment Samples Collected at SWMU 49, Flight Line Retention Ponds

Interim Measures Performance Specifications
Group I, SWMUs 4, 49, and 50
U. S. Naval Station
Mayport, Florida

Analytical Batch Number:	R8730	MB944	MB944	MB944	MB944
Sample Location:	MPT-49-SD17	MPT-49-SD18	MPT-49-SD19	MPT-49-SD20	MPT-49-SD21
Sample Number:	49SD017DUP	49D01801	49D01901	49D02001	49D02101
Date Sampled:	12-SEP-94	25-SEP-96	25-SEP-96	25-SEP-96	25-SEP-96
Sampled Depth (ft bls):	0 to 1	0 to 1	0 to 1	0 to 1	0 to 1
Volatile Organic Compounds (µg/kg)					
Acetone	--	340	--	--	--
Acetonitrile	16 J	--	--	--	--
2-Butanone	--	--	--	--	--
Carbon disulfide	11 J	--	4 J	4 J	6 J
Methylene chloride	--	46	5 J	--	--
Toluene	--	--	--	3 J	--
Semivolatile Organic Compounds (µg/kg)					
Benzo(a)anthracene	--	--	--	--	92 J
Benzo(b)fluoranthene	--	--	--	--	180 J
Benzo(k)fluoranthene	--	--	--	--	140 J
Benzo(g,h,i)perylene	--	--	--	--	90 J
Benzo(a)pyrene	--	--	--	--	120 J
Butylbenzylphthalate	--	--	--	--	1,000
Chrysene	--	--	--	--	210 J
Di-n-butylphthalate	--	--	--	--	--
Di-n-octylphthalate	--	--	--	--	85 J
bis(2-Ethylhexyl)phthalate	180 J	89 J	--	210 J	4,400
Fluoranthene	--	--	--	--	190 J

See notes at end of table.

Table 3-4 (Continued)
Organic and Inorganic Analytes Detected in Sediment Samples Collected at SWMU 49, Flight Line Retention Ponds

Interim Measures Performance Specifications
Group I, SWMUs 4, 49, and 50
U. S. Naval Station
Mayport, Florida

Analytical Batch Number:	R8730	MB944	MB944	MB944	MB944
Sample Location:	MPT-49-SD17	MPT-49-SD18	MPT-49-SD19	MPT-49-SD20	MPT-49-SD21
Sample Number:	49SD017DUP	49D01801	49D01901	49D02001	49D02101
Date Sampled:	12-SEP-94	25-SEP-96	25-SEP-96	25-SEP-96	25-SEP-96
Sampled Depth (ft bls):	0 to 1	0 to 1	0 to 1	0 to 1	0 to 1
Semivolatile Organic Compounds (µg/kg) (continued)					
Indeno(1,2,3-cd)pyrene	--	--	--	--	92 J
2-Methylnaphthalene	--	--	--	--	--
Naphthalene	--	--	--	--	--
N-nitroso-di-n-propylamine	--	--	--	--	--
Pyrene	--	--	--	--	240 J
Pesticide Compounds (µg/kg)					
Chlordane	--	--	--	--	--
4,4-DDD	--	--	--	--	--
4,4-DDE	--	--	--	--	--
Heptachlor	--	--	--	--	--
Inorganic Analytes (mg/kg)					
Antimony	--	92.8	1.6	1.3 J	--
Arsenic	4.2 J	24.5	--	11.5	--
Barium	14.3 J	9.4 J	12.4 J	8.7 J	8.5 J
Beryllium	0.89 J	--	0.6 J	0.73 J	0.29 J
Cadmium	--	--	--	--	--
Chromium	33.3	40.5 J	21.3 J	15.3	11.7 J

See notes at end of table.

Table 3-4 (Continued)
Organic and Inorganic Analytes Detected in Sediment Samples Collected at SWMU 49, Flight Line Retention Ponds

Interim Measures Performance Specifications
Group I, SWMUs 4, 49, and 50
U. S. Naval Station
Mayport, Florida

Analytical Batch Number:	R8730	MB944	MB944	MB944	MB944
Sample Location:	MPT-49-SD17	MPT-49-SD18	MPT-49-SD19	MPT-49-SD20	MPT-49-SD21
Sample Number:	49SD017DUP	49D01801	49D01901	49D02001	49D02101
Date Sampled:	12-SEP-94	25-SEP-96	25-SEP-96	25-SEP-96	25-SEP-96
Sampled Depth (ft bls):	0 to 1	0 to 1	0 to 1	0 to 1	0 to 1
Inorganic Analytes (mg/kg) (continued)					
Cobalt	--	2.4 J	2.3 J	2.7 J	1.4 J
Copper	37.7	--	4.8 J	3.5 J	35.4
Lead	10.3	80.9	6.9	5.5	11.9
Mercury	0.07 J	0.06 J	0.06 J	0.06 J	0.07 J
Nickel	73.2	46.6	4.4 J	5 J	3.7 J
Selenium	0.64 J	--	--	--	--
Silver	--	--	0.97 J	1.7 J	--
Thallium	--	--	--	--	--
Tin	--	89.8	50.9	40.3	29.8
Vanadium	40.3	--	22.2	20.9	14
Zinc	14.7	38.7	25.2	18.2	53.4
Cyanide	--	--	--	--	--

Notes: SWMU = Solid Waste Management Unit.
ft bls = feet below land surface.
µg/kg = micrograms per kilogram.
NA = not analyzed.
-- = concentration of analyte, if present, was less than detection limit.
DDD = dichlorodiphenyldichloroethane.
DDE = dichlorodiphenyldichloroethene.
mg/kg = milligrams per kilogram.
J = estimated value.

Table 3-5
Summary of Chemicals Detected in Sediment Samples Collected at SWMU 49, Flight Line Retention Ponds

Interim Measures Performance Specifications
Group I, SWMUs 4, 49, and 50
U.S. Naval Station
Mayport, Florida

Analyte	Frequency of Detection[1]	Reporting Limit Range	Detected Concentration Range	Mean of Detected Concentrations[2]	Background Screening Concentration[3]	Florida Sediment Quality Assessment Guidelines[4]	Frequency Above Sediment Quality Assessment Guidelines[5]	USEPA Sediment Screening Values[6]	Frequency Above Sediment Screening Values[7]
Volatile Organic Compounds (µg/kg)									
Acetone	4/13	20 to 98	230 to 510	330	ND	NSC	NSC	NSC	NSC
Acetonitrile	1/13	130 to 450	[8]73	73	ND	NSC	NSC	NSC	NSC
2-Butanone	4/13	22 to 29	15 to 64	33	ND	NSC	NSC	NSC	NSC
Carbon disulfide	8/13	6 to 13	4 to 58	23.5	51	NSC	NSC	NSC	NSC
Methylene chloride	2/13	6 to 32	5 to 46	25.5	ND	NSC	NSC	NSC	NSC
Toluene	1/13	6 to 23	3	3	3	NSC	NSC	NSC	NSC
Semivolatile Organic Compounds (µg/kg)									
Benzo(a)anthracene	1/19	840 to 14,000	92	92	ND	74.8	1/19	74.8	1/19
Benzo(b)fluoranthene	1/19	420 to 14,000	180	180	ND	[9]655	0/19	[9]655	0/19
Benzo(k)fluoranthene	1/19	420 to 14,000	140	140	ND	[9]655	0/19	[9]655	0/19
Benzo(g,h,i)perylene	1/19	420 to 14,000	90	90	ND	[9]655	0/19	[9]655	0/19
Benzo(a)pyrene	1/19	420 to 14,000	120	120	ND	88.8	1/19	88.8	1/19
Butylbenzylphthalate	2/19	420 to 14,000	510 to 1,000	755	ND	NSC	NSC	NSC	NSC
Chrysene	1/19	420 to 14,000	210	210	ND	108	0/19	108	0/19
Di-n-butylphthalate	1/19	420 to 14,000	[8]593	593	62.3	NSC	NSC	NSC	NSC
Di-n-octylphthalate	1/19	420 to 14,000	85	85	ND	NSC	NSC	NSC	NSC
bis(2-Ethylhexyl)phthalate	12/19	420 to 14,000	[8]86 to 26,000	2,722	170	182	1/19	182	1/19
Fluoranthene	4/19	420 to 14,000	49 to 370	185	ND	21.1	4/19	113	1/19
Indeno(1,2,3-cd)pyrene	1/19	420 to 14,000	92	92	ND	[9]655	0/19	[9]655	0/19
2-Methylnaphthalene	1/19	420 to 14,000	1,300	1,300	ND	20.2	1/19	20.2	1/19

See notes at end of table.

Table 3-5 (Continued)
Summary of Chemicals Detected in Sediment Samples Collected at SWMU 49, Flight Line Retention Ponds

Interim Measures Performance Specifications
Group I, SWMUs 4, 49, and 50
U.S. Naval Station
Mayport, Florida

Analyte	Frequency of Detection[1]	Reporting Limit Range	Detected Concentration Range	Mean of Detected Concentrations[2]	Background Screening Concentration[3]	Florida Sediment Quality Assessment Guidelines[4]	Frequency Above Sediment Quality Assessment Guidelines[5]	USEPA Sediment Screening Values[6]	Frequency Above Sediment Screening Values[7]
Semivolatile Organic Compounds (µg/kg) (continued)									
Naphthalene	1/19	420 to 14,000	16,000	16000	ND	34.6	1/19	34.6	1/19
N-nitroso-di-n-propylamine	1/19	420 to 14,000	360	360	ND	NSC	NSC	NSC	NSC
Pyrene	4/19	420 to 14,000	52 to 320	186	282	153	2/19	153	2/19
Pesticide Compounds (µg/kg)									
Chlordane	1/21	8.4 to 1,200	730	730	ND	0.5	1/21	0.5	1/21
4,4-DDD	3/21	1.6 to 240	1.4 to 38	16.1	4.2	1.22	3/21	1.22	3/21
4,4-DDE	8/21	0.86 to 240	1.2 to 9.1	4.3	5.5	2	6/21	2	6/21
Heptachlor	1/21	0.84 to 120	51	51	ND	NSC	NSC	NSC	NSC
Inorganic Analytes (mg/kg)									
Antimony	8/19	0.76 to 4.4	1.3 to 92.8	14.5	ND	2	3/19	2	3/19
Arsenic	17/19	3.3 to 4.2	0.2 to 24.5	6	5.4	7.24	5/19	7.24	5/19
Barium	18/19	1.7	2.8 to 29	11.6	13.6	NSC	NSC	NSC	NSC
Beryllium	15/19	0.03 to 0.076	[6]0.075 to 1.1	0.52	0.38	NSC	NSC	NSC	NSC
Cadmium	1/19	0.25 to 2.4	0.33	0.33	1.14	0.676	0/19	0.676	0/19
Chromium	18/19	2	1.9 to 40.5	18.7	13.8	52.3	0/19	52.3	0/19
Cobalt	13/19	0.5 to 1.6	[8]0.8 to 6.9	2.7	2.6	NSC	NSC	NSC	NSC
Copper	14/19	0.43 to 2.2	2.2 to 49.7	16.6	6.8	18.7	4/19	18.7	4/19
Lead	16/19	0.38 to 1.5	2.2 to 80.9	20.3	9.2	30.2	2/19	30.2	2/19
Mercury	6/19	0.04 to 0.27	0.06 to 0.83	0.19	0.76	0.13	1/19	0.13	1/19
Nickel	14/19	1.5 to 4.9	[8]1.9 to 70.6	20.1	11.6	15.9	4/19	15.9	4/19
Selenium	4/19	0.15 to 8.6	0.16 to 0.66	0.47	1.1	NSC	NSC	NSC	NSC
Silver	4/19	0.44 to 1.6	0.97 to 2.4	1.6	ND	0.733	4/19	0.733	4/19
Thallium	3/19	0.15 to 1	0.21 to 0.32	0.25	1.24	NSC	NSC	NSC	NSC
Tin	10/19	2 to 2.2	3.6 to 89.8	25.8	13.8	NSC	NSC	NSC	NSC

See notes at end of table.

Table 3-5 (Continued)
Summary of Chemicals Detected in Sediment Samples Collected at SWMU 49, Flight Line Retention Ponds

Interim Measures Performance Specifications
Group I, SWMUs 4, 49, and 50
U.S. Naval Station
Mayport, Florida

Analyte	Frequency of Detection[1]	Reporting Limit Range	Detected Concentration Range	Mean of Detected Concentrations[2]	Background Screening Concentration[3]	Florida Sediment Quality Assessment Guidelines[4]	Frequency Above Sediment Quality Assessment Guidelines[5]	USEPA Sediment Screening Values[6]	Frequency Above Sediment Screening Values[7]
Inorganic Analytes (mg/kg) (continued)									
Vanadium	18/19	0.15 to 0.15	1.5 to [8]39.3	15.8	13.4	NSC	NSC	NSC	NSC
Zinc	19/19	NA	2.8 to 625	67.3	23.6	124	1/19	124	1/19
Cyanide	6/19	0.11 to 0.45	0.12 to 1.2	0.55	ND	NSC	NSC	NSC	NSC

[1] Frequency of detection is the number of environmental samples in which the analyte was detected over the total number of environmental samples analyzed (excluding rejected values). An environmental sample and duplicate were considered one sample.
[2] The mean of detected concentrations is the arithmetic mean of all samples in which the analyte was detected. It does not include those samples with "R", "U", or "UJ" validation qualifiers.
[3] 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.
[4] Values are the Threshold Effects Levels (TEL) from "Approach to the Assessment of Sediment Quality in Florida Coastal Waters." (MacDonald Environmental Science, 1994).
[5] Frequency of detection is the number of samples in which the analyte was detected at concentrations exceeding the value reported in "Assessment of Sediment Quality in Florida Coastal Waters" (MacDonald Environmental Science, 1994) in relation to the total number of environmental samples collected.
[6] Values are the "effects values" provided in USEPA Region IV Supplemental Guidance to Risk Assessment Guidance for Superfund (RAGS). (USEPA, 1995)
[7] Frequency of detection is the number of samples in which the analyte was detected at concentrations exceeding the value reported in "USEPA Region IV Supplemental Guidance to RAGS" (USEPA, 1995) in relation to the total number of environmental samples collected.
[8] The value is the average of a sample and its duplicate. For duplicate samples having one nondetect value, one-half of the contract-required quantification limit/contract-required detection limit is used as a surrogate concentration for the nondetect concentration.
[9] The values are based on Florida TEL for High Molecular Weight Polynuclear Aromatic Hydrocarbons (PAHs) or USEPA Effects Value for High Molecular Weight PAHs.

Notes: Environmental samples: 49D01801, 49D01901, 49D02001, 49D02101, 49SD006, 49SD007, 49SD009, 49SD010, 49SD011, 49SD012, 49SD013, 49SD014, 49SD015, 49SD016, 49SD017, MPT49SD11, MPT49SD21, MPT49SD31, MPT49SD61, MPT49SD71, and MPT49SD81. Analytical results are provided in Table 3-5.
Environmental sample duplicate: MPT49SD81D and 49SD017DUP
Background samples: 00SD001, 0BD00501, MPT-B-SD-1, MPT-B-SD-2, MPT-B-SD-3, MPTBSD4, MPTBSD5, MPTBSD6, and MPTBSD7.
Background sample duplicates: MPT-B-SD-3D and MPTBSD7D.
The average of an environmental or background sample and its duplicate, if collected, is used in all calculations.
Please refer to Appendix C for analytical results of the background samples.

SWMU = Solid Waste Management Unit.
USEPA = U.S. Environmental Protection Agency.
μg/kg = micrograms per kilograms.
ND = not detected in any background samples.
NSC = no screening concentration available.
DDD = dichlorodiphenyldichloroethane.
DDE = dichlorodiphenyldichloroethene.

Table 3-6
Summary of Toxicity Tests and Organic and Inorganic Analytes Detected in Sediment Samples from SWMU 49, Flight Line Retention Ponds

Interim Measures Performance Specifications
Group I, SWMUs 4, 49, and 50
U.S. Naval Station
Mayport, Florida

Analytical Batch Number:	MB944	MB944	MB944	MB944	Background Screening Concentration[1]	Screening Values[2]
Sample Location:	MPT-49-SD18	MPT-49-SD19	MPT-49-SD20	MPT-49-SD21		
Sample Number:	49D01801	49D01901	49D02001	49D02101		
Date Sampled:	25-SEP-96	25-SEP-96	25-SEP-96	25-SEP-96		
Sample Date (ft bls):	0 to 1	0 to 1	0 to 1	0 to 1		
Toxicity Summary						
Survival percentage	93	88	100	94	NA	NA
Number of deaths	7	16	0	7	NA	NA
Salinity during testing (‰)	5	5	5	5	NA	NA
Sediment salinity (‰)	3	10	3	4	NA	NA
Water column salinity (‰)	0.04	0.04	0.04	0.04	NA	NA
Volatile Organic Compounds (µg/kg)						
Acetone	340	--	--	--	ND	NSC
Carbon disulfide	--	4 J	4 J	6 J	51	NSC
Methylene chloride	46	5 J	--	--	ND	NSC
Toluene	--	--	3 J	--	ND	NSC
Semivolatile Organic Compounds (µg/kg)						
Benzo(a)anthracene	--	--	--	92 J	ND	74.8
Benzo(a)pyrene	--	--	--	120 J	ND	88.8
Butylbenzylphthalate	--	--	--	1,000	ND	NSC
Chrysene	--	--	--	210 J	ND	108
Di-n-octylphthalate	--	--	--	85 J	ND	NSC
bis(2-Ethylhexyl)phthalate	89 J	--	210 J	4,400	170	182
Fluoranthene	--	--	--	190 J	ND	113
Pyrene	--	--	--	240 J	ND	153

See notes at end of table.

Table 3-6 (Continued)
Summary of Toxicity Tests and Organic and Inorganic Analytes Detected in Sediment Samples from SWMU 49, Flight Line Retention Ponds

Interim Measures Performance Specifications
Group I, SWMUs 4, 49, and 50
U.S. Naval Station
Mayport, Florida

Analytical Batch Number:	MB944	MB944	MB944	MB944	Background Screening Concentration[1]	Screening Values[2]
Sample Location:	MPT-49-SD18	MPT-49-SD19	MPT-49-SD20	MPT-49-SD21		
Sample Number:	49D01801	49D01901	49D02001	49D02101		
Date Sampled:	25-SEP-96	25-SEP-96	25-SEP-96	25-SEP-96		
Sample Date (ft bls):	0 to 1	0 to 1	0 to 1	0 to 1		
Inorganic Analytes (mg/kg)						
Antimony	92.8	--	--	--	ND	2
Arsenic	24.5	--	11.5	--	5.4	7.24
Beryllium	--	0.6 J	0.73 J	--	0.38	NSC
Cobalt	--	--	2.7 J	--	2.6	NSC
Copper	--	--	--	35.4	6.8	18.7
Lead	80.9	--	--	--	9.2	30.2
Nickel	46.6	--	--	--	11.6	15.9
Silver	--	0.97 J	1.7 J	--	ND	0.733
Tin	89.8	50.9	40.3	29.8	13.8	NSC
Vanadium	--	22.2	20.9	14	13.4	NSC

[1] 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. Average detected organic concentration values are provided for comparison purposes only. Background screening concentration is presented in Appendix B.
[2] Values are the lower of either threshold effects levels from "Approach to the Assessment of Sediment Quality in Florida Coastal Waters" (MacDonald Environmental Services, 1994) or the "effects values" provided in U.S. Environmental Protection Agency (USEPA) Region IV Supplemental Guidance to RAGS. (USEPA, 1995).

Notes: SWMU = Solid Waste Management Unit.
ft bls = feet below land surface.
NA = not appropriate.
(‰) = parts per thousand.
µg/kg = micrograms per kilogram.
-- = concentration of analyte, if present, was less than detection limit, background screening concentration, and screening value.
ND = not detected in background sediment sample.
NSC = no screening concentration available.
J = estimated value.
mg/kg = milligrams per kilogram.
RAGS = Risk Assessment Guidance for Superfund.

3.2.1 Surface Water Analytical Results Below are results of the measurement of water quality indicator parameters and laboratory analytical results for the SWMU 50 surface water samples.

Water Quality Indicator Parameter Results. Concentrations of chloride detected in surface water samples collected in 1994 ranged from 15,600 mg/ℓ in a sample collected from the western sediment detention pond to 7,980 and 9,630 mg/ℓ in 1996 from samples collected from the western and eastern sediment detention ponds (Table 3-7). Salinity measurements ranged from 20 parts per thousand in 1994 to 1.76 and 1.87 parts per thousand in 1996. Based on the chloride analytical results, the water contained in the sediment retention ponds would be classified as predominantly marine (chloride concentrations greater than 1,500 mg/ℓ) under State of Florida regulation (FAC 62-302).

Dissolved oxygen ranged from 2.7 to 12 mg/ℓ. The dissolved oxygen results do not suggest the presence of anoxic or supper-saturated conditions in the SWMU 50 sediment detention ponds.

Hardness was measured at 264 to 3,690 mg/ℓ, which suggests that the water is very hard (greater than 180 mg/ℓ; Durfor and Becker, 1964). Sulfate was measured at 583 to 1,220 mg/ℓ, and sulfide was measured in one sample at 1.4 mg/ℓ. Chloride and sulfate appear to be the dominant anions.

A summary of nutrient (ammonia-N [ammonia as nitrogen], nitrate/nitrite, phosphorous-P, and total Kjeldahl nitrogen) parameters is also provided in Table 3-7.

Laboratory Analytical Results. SVOCs, organochlorine pesticides and PCBs were not detected in the surface water samples collected in 1994. Two VOCs (methylene chloride and 2-butanone) were detected in the surface water sample collected in 1994 (Table 3-8). VOCs and SVOCs, organochlorine pesticides, and PCBs were not detected in the surface water samples collected in 1996.

Inorganic analytes detected in the sample (MPT-2-SW36) collected in 1994 and in two samples collected in 1996 (MPT-50-SW13 and MPT-5-SW14) are provided in Table 3-8.

Five inorganic analytes (arsenic, barium, selenium, zinc, and cyanide) were detected at concentrations exceeding their respective background screening concentrations. One inorganic analyte, mercury, was detected in a surface water sample from SWMU 50 but was not detected in the background samples.

Comparison of the analytical results of the surface water samples to Florida Surface Water Quality Standards and USEPA Surface Water Chronic Screening Values suggests that concentrations of mercury, selenium, and cyanide exceed their respective screening criteria (Table 3-9). Arsenic, barium, and zinc exceed background screening values but not their respective regulatory screening criteria.

Mercury and selenium were detected in the surface water sample collected in 1994 but were not detected in samples collected in 1996. Cyanide was detected as a single occurrence in a surface water sample collected in 1996.

Table 3-7
Field and Laboratory Water Quality Parameter Measurements for Surface Water Samples Collected at the Eastern and Western Dredge Material Holding Areas, SWMU 50

Interim Measures Performance Specifications
Group I, SWMUs 4, 49, and 50
U. S. Naval Station
Mayport, Florida

Analytical Batch Number:	M7637	MB945	MC015
Sample Location:	MPT-2-SW36	MPT-50-SW13	MPT-50-SW14
Sample Number:	02SW036	50W013	50W014
Date Sampled:	01-AUG-94	26-SEP-96	01-OCT-96
Field Measurements			
Temperature (°C)	36	24.9	31
pH (standard units)	NM	8.4	9.5
Specific conductivity (μmho/cm)	42,000	28.3	30
Salinity (°/∞)	20	1.76	1.87
Dissolved oxygen (mg/ℓ)	8.3	2.7	12
Turbidity (NTU)	NM	245	NM
Laboratory Measurements (mg/ℓ)			
Alkalinity as $CaCO_3$	129	85	235
Ammonia-N	–	1.7	5.3
Chloride	15,600	7,980	9,630
Hardness as $CaCO_3$	3,690	264	2,490
Phosphorous-P, total	1.22	1.85	1.76
Sulfate	821	1,220	583
Sulfide	1.4	NA	NA
Total dissolved solids	821	15,000	16,500
Total Kjeldahl nitrogen	6.5	12.9	15.7
Total organic carbon	NA	55.2	73.7
pH (standard units)	9.3	NA	NA

Notes: SWMU = Solid Waste Management Unit.
°C = degrees Celsius.
μmho/cm = micromhos per centimeter.
°/∞ = parts per thousand.
mg/ℓ = milligrams per liter.
NTU = nephelometric turbidity units.
NM = not measured.
$CaCO^3$ = calcium carbonate
– = concentration of analyte, if present, was less than detection limit.
NA = not analyzed.

Table 3-8
Organic and Inorganic Analytes Detected in Surface Water Samples Collected at the Eastern and Western Dredge Material Holding Areas, SWMU 50

Interim Measures Performance Specifications
Group I, SWMUs 4, 49, and 50
U.S. Naval Station
Mayport, Florida

Analytical Batch Number:	M7637	MB943	MC014
Sample Location:	MPT-2-SW36	MPT-50-SW13	MPT-50-SW14
Sample Number:	02SW036	50W013	50W014
Date Sampled:	01-AUG-94	26-SEP-96	01-OCT-96
Volatile Organic Compounds (µg/ℓ)			
Methylene chloride	5	–	–
2-Butanone	5 J	–	–
Inorganic Analytes (µg/ℓ)			
Arsenic	22.6 J	34.5	34.2
Barium	20.6 J	23.6 J	21.5 J
Chromium	–	2.8 J	0.88 J
Copper	9.3 J	–	–
Mercury	0.34	–	–
Selenium	25.1 J	–	–
Tin	–	154	91.3
Vanadium	6.5 J	2.6 J	2.8 J
Zinc	31.5 J		
Cyanide	–	–	5.3 J

Notes: SWMU = Solid Waste Management Unit.
µg/ℓ = milligrams per liter.
– = concentration of analyte, if present, was less than detection limit.
J = estimated value.

Table 3-9
Summary of Chemicals Detected in Surface Water Samples (Unfiltered) Collected at the Eastern and Western Dredge Material Holding Areas, SWMU 50

Interim Measures Performance Specifications
Group I, SWMUs 4, 49, and 50
U.S. Naval Station
Mayport, Florida

Analyte	Frequency of Defection[1]	Reporting Limit Range	Detected Concentration Range	Mean of Detected Concentration[2]	Background Screening Concentration[3]	Florida Surface Water Quality Standards (Class III Freshwater)[4]	Frequency Above Florida Surface Water Quality Standards[5]	USEPA Surface Water Chronic Screening Value (Freshwater)[6]	Frequency Above USEPA Surface Water Chronic Screening Value[7]
Volatile Organic Compounds (µg/ℓ)									
2-Butanone	1/3	5	5	5	ND	[8]4,200	0/3	NSC	0/3
Methylene chloride	1/3	10	5	5	ND	1,580	0/3	1,930	NSC
Inorganic Analytes (µg/ℓ)									
Arsenic	3/3	NA	22.6 to 34.5	30.4	6.2	50	0/3	190	0/3
Barium	3/3	NA	20.6 to 23.6	21.9	23	[8]2,000	0/3	NSC	NSC
Chromium	2/3	2	0.88 to 2.8	1.8	5.0	[8]644	0/3	[9]644	0/3
Copper	1/3	14.7	9.3	9.3	27.4	[8]38.6	0/3	[9]38.6	0/3
Mercury	1/3	0.07 to 0.08	0.34	0.34	ND	0.012	1/3	0.012	1/3
Selenium	1/3	3.9	25.1	25.1	11.6	5	1/3	5	1/3
Tin	2/3	9.4	91.3 to 154	123	1552	[8]4,200	0/3	NSC	NSC
Vanadium	3/3	NA	2.6 to 6.5	4	7.8	[8]49	0/3	NSC	NSC
Zinc	1/3	46.7 to 54.1	31.5	31.5	4	[8]343	0/3	[9]343	NSC
Cyanide	1/2	0.32 to 0.88	5.3	5.3	4.2	5.2	1/2	5.2	1/2

See notes at end of table.

Table 3-9 (Continued)
Summary of Chemicals Detected in Surface Water Samples (Unfiltered) Collected at the Eastern and Western Dredge Material Holding Areas, SWMU 50

Interim Measures Performance Specifications
Group I, SWMUs 4, 49, and 50
U.S. Naval Station
Mayport, Florida

[1] Frequency of detection is the number of environmental samples in which the analyte was detected over the total number of environmental samples analyzed (excluding rejected values). An environmental sample and duplicate, if collected, were considered one sample.
[2] The mean of detected concentrations is the arithmetic mean of all samples in which the analyte was detected. It does not include those samples with "R", "U", or "UJ" validation qualifiers.
[3] 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. The average detected organic concentration values are provided for comparison purposes only.
[4] Values are from Florida Surface Water Quality Standards (Florida Administration Code [FAC] 62-302) (Florida Department of Environmental Protection [FDEP], 1995). Values from FDEP Groundwater Guidance Concentrations (FDEP, 1994) are used as surrogate comparison values whenever the Surface Water Quality Standards do contain a value for a specific analyte detected.
[5] The number of samples in which the analyte was detected at a concentration above both the background screening concentration (for inorganics only) and the Florida Surface Water Quality Standards (FAC 62-302) over the total number of sample analyzed.
[6] Values are from USEPA Region IV Supplemental Guidance to Risk Assessment Guidance for Superfund (RAGS): Ecological Risk Assessment (USEPA, 1995).
[7] The number of samples in which the analyte was detected at a concentration above both the background screening concentration (for inorganics only) and the USEPA Region IV Supplemental Guidance to RAGS: Ecological Risk Assessment (USEPA, 1995) over the total number of samples analyzed.
[8] Value is from FDEP Groundwater Guidance Concentrations (FDEP, 1994).
[9] Value is a hardness-based criterion. The criterion and calculation are presented in Appendix C.

Notes: Environmental samples: 02SW036, 50W013, and 50W014. Analytical results are provided in Table 3-8.
Environmental sample duplicates: None associated with the environmental samples.
Background samples: 00SW001, 0BW005, MPT-B-SW-1, MPT-B-SW-2, MPT-B-SW-3, MPTBSW4, MPTBSW5, MPTBSW6, MPTBSW7
Background sample duplicates: MPT-B-SW-1D, and MPTBSW7D.
The average of an environmental or background sample and its duplicate, if collected, is used in all calculations.
Please refer to Appendix C for the analytical results of the background samples.

SWMU = Solid Waste Management Unit.
USEPA = U.S. Environmental Protection Agency.
$\mu g/\ell$ = micrograms per liter.
ND = not detected in background surface water samples.
NSC = no screening concentration available.
NA = not applicable.

3.2.2 Sediment Analytical Results VOCs and SVOCs and inorganic analytes detected in sediment samples from the SWMU 50 detention ponds are provided in Table 3-10. Pesticides and PCBs were not detected in the sediment samples.

The organic compounds detected in the sediment samples were compared to FDEP TELs and USEPA effects levels (Table 3-11). Screening values have not been established for any of the detected VOCs (acetone, 2-butanone, carbon disulfide, and methylene chloride) and seven of the inorganic analytes (barium, beryllium, cobalt, selenium, tin, vanadium, and cyanide). The SVOC bis(2-ethylhexyl)phthalate was detected at concentrations that exceed its TEL and effects level.

The inorganic analytes detected in the sediment samples were compared to background screening values, FDEP TELs, and USEPA effects levels (Table 3-11). Ten of the inorganic analytes (arsenic, barium, beryllium, chromium, cobalt, copper, lead, tin, vanadium, and zinc) were detected at concentrations greater than their respective background screening values.

TELs and effects levels have not been established for seven of the inorganic analytes (barium, beryllium, cobalt, selenium, tin, vanadium, and cyanide). Two of the inorganic analytes (arsenic and silver) were detected at concentrations that exceed their respective TELs and effects levels.

3.2.3 Biological Testing Results Fourteen-day biological testing was conducted with sediment collected in September 1996 from two sampling locations (MPT-50-SD13 and MPT-50-SD14). The marine amphipod *Ampelisca abdita* was used in the survival test based on the salinity of the sediment pore fluid (Table 3-12). Survival percentages for the samples was 44 percent for sampling location MPT-50-SD13 (Western Dredge Material Holding Area) and 90 percent for sampling location MPT-50-SD14 (Eastern Dredge Material Holding Area). The survival percentage for the laboratory-created control samples ranged from 91 to 96 percent and 79 percent for background sampling location MPT-B-SD05. Table 3-12 also lists chemicals and concentrations detected in the four samples that do not have a TEL or effects value, that exceeded their respective TEL and effects value, and that exceeded background screening concentrations.

3.3 SWMU 4. Below are laboratory analytical results of the surface water and sediment samples and biological testing of sediment samples collected at SWMU 50.

3.3.1 Surface Water Analytical Results Below are results of the measurement of water quality indicator parameters and laboratory analytical results for the SWMU 4 surface water samples.

Water Quality Indicator Parameter Results. Concentrations of chloride detected in surface water samples collected in 1994 ranged from 1,900 to 18,000 mg/ℓ (average value of 11,400 mg/ℓ) (Table 3-13). Concentrations of chloride detected in surface water samples collected in 1996 ranged from 506 to 9,930 mg/ℓ (average value of 4,881 mg/ℓ). Salinity measurements ranged from 3 to 26 parts per thousand (average value of 16.3 parts per thousand) in 1994 and from 0.09 to 1.44 parts per thousand (average value of 0.87 parts per thousand) in 1996. Based on the chloride analytical results, the water contained in the SWMU 4 and Munitions Road drainage ditch system would be classified as predominantly marine (chloride concentrations greater than 1,500 mg/ℓ) under State of Florida regulation (FAC 62-302). However, the surface water samples collected in 1996 at sampling

Table 3-10
Organic and Inorganic Analytes Detected in Sediment Samples Collected at the Eastern and Western Dredge Material Holding Areas, SWMU 50

Interim Measures Performance Specifications
Group I, SWMUs 4, 49, and 50
U.S. Naval Station
Mayport, Florida

Analytical Batch Number:	M7635	MB944	MC040
Sample Location:	MPT-2-SD36	MPT-50-SD13	MPT-50-SD14
Sample Number:	02SD036	50D01301	50D01401
Date Sampled:	01-AUG-94	26-SEP-96	01-OCT-96
Sample Depth (ft bls):	0 to 1	0 to 1	0 to 1
Volatile Organic Compounds (µg/kg)			
Acetone	450 J	570	--
2-Butanone	78 J	100	23 J
Carbon disulfide	71	48	4 J
Methylene chloride	--	--	4 J
Semivolatile Organic Compounds (µg/kg)			
bis(2-Ethylhexyl)phthalate	--	290 J	620 J
Inorganic Analytes (mg/kg)			
Arsenic	10.9	--	5
Barium	20.7 J	13.3 J	15 J
Beryllium	0.88 J	0.58 J	0.65 J
Chromium	31.8	21.3 J	23 J
Cobalt	4 J	2.6 J	2.7 J
Copper	16.4	9.8 J	9.7
Lead	18.5 J	9.6	14.9
Mercury	--	0.11 J	0.11 J
Nickel	9.1 J	6.1 J	4.4 J
Selenium	1.1 J	--	--
Silver	--	1.1 J	--
Tin	10.3 J	85.4	9.7 J
Vanadium	39.7	26.1	25.6
Zinc	58.2	35.3	34.7
Cyanide	0.32 J	--	--

Notes: SWMU = Solid Waste Management Unit.
ft bls = feet below land surface.
µg/kg = milligrams per kilogram.
-- = concentration of analyte, if present, was less than detection limit.
J = estimated value.
mg/kg = milligrams per kilogram.

Table 3-11
Summary of Chemicals Detected in Sediment Samples Collected at the Eastern and Western Dredge Material Holding Areas, SWMU 50

Interim Measures Performance Specifications
Group I, SWMUs 4, 49, and 50
U.S. Naval Station
Mayport, Florida

Analyte	Frequency of Detection[1]	Reporting Limit Range	Detected Concentration Range	Mean of Detected Concentrations[2]	Background Screening Concentration[3]	Florida Sediment Quality Assessment Guidelines[4]	Frequency Above Sediment Quality Assessment Guidelines[5]	USEPA Sediment Screening Values[6]	Frequency Above Sediment Screening Values[7]
Volatile Organic Compounds (µg/kg)									
Acetone	2/3	76	450 to 570	510	ND	NSC	NSC	NSC	NSC
2-Butanone	3/3	NA	23 to 100	67	ND	NSC	NSC	NSC	NSC
Carbon disulfide	3/3	NA	4 to 71	41	51	NSC	NSC	NSC	NSC
Methylene chloride	1/3	19 to 24	4	4	ND	NSC	NSC	NSC	NSC
Semivolatile Organic Compounds (µg/kg)									
bis(2-Ethylhexyl) phthalate	2/3	5,000	290 - 620	455	170	182	2/3	182	2/3
Inorganic Analytes (mg/kg)									
Arsenic	2/3	7	5 to 10.9	8	5.4	7.24	1/3	7.24	1/3
Barium	3/3	NA	13.3 - 20.7	16.3	15.6	NSC	NSC	NSC	NSC
Beryllium	3/3	NA	0.58 - 0.88	0.7	0.36	NSC	NSC	NSC	NSC
Chromium	3/3	NA	21.3 - 31.8	25.4	13.8	52.3	0/3	52.3	0/3
Cobalt	3/3	NA	2.6 - 4	3.1	2.6	NSC	NSC	NSC	NSC
Copper	3/3	NA	9.7 - 16.4	12	6.8	18.7	0/3	18.7	0/3
Lead	3/3	NA	9.6 - 18.5	14.3	9.2	30.2	0/3	30.2	0/3
Mercury	2/3	0.11	0.11	0.11	0.76	0.13	0/3	0.13	0/3
Nickel	3/3	NA	4.4 - 9.1	6.5	11.6	15.9	0/3	15.9	0/3
Selenium	1/3	6.8 to 13.9	1.1	1.1	1.1	NSC	NSC	NSC	NSC
Silver	1/3	0.51 - 1.3	1.1	1.1	ND	0.733	1/3	0.733	1/3

See notes at end of table.

Table 3-11 (Continued)
Summary of Chemicals Detected in
Sediment Samples Collected at the Eastern and Western Dredge Material Holding Areas, SWMU 50

Interim Measures Performance Specifications
Group I, SWMUs 4, 49, and 50
U.S. Naval Station
Mayport, Florida

Analyte	Frequency of Detection[1]	Reporting Limit Range	Detected Concentration Range	Mean of Detected Concentrations[2]	Background Screening Concentration[3]	Florida Sediment Quality Assessment Guidelines[4]	Frequency above Sediment Quality Assessment Guidelines[5]	USEPA Sediment Screening Values[6]	Frequency above Sediment Screening Values[7]
Tin	3/3	NA	9.7 to 85.4	35.1	13.8	NSC	NSC	NSC	NSC
Vanadium	3/3	NA	25.6 to 39.7	30.5	13.4	NSC	NSC	NSC	NSC
Zinc	3/3	NA	35.3 to 58.2	43.6	23.6	124	0/3	124	0/3
Cyanide	1/3	0.2 to 0.41	0.32	0.32	ND	NSC	NSC	NSC	NSC

[1] Frequency of detection is the number of environmental samples in which the analyte was detected over the total number of environmental samples analyzed (excluding rejected values). An environmental sample and duplicate, if collected, were considered one sample.
[2] The mean of detected concentrations is the arithmetic mean of all samples in which the analyte was detected. It does not include those samples with "R", "U", or "UJ" validation qualifiers.
[3] 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. The average of the detected organic concentration(s) is provided for comparison purposes only.
[4] Values are from " Approach to the Assessment of Sediment Quality in Florida Coastal Waters." (MacDonald Environmental Services, 1994).
[5] Frequency of detection is the number of samples in which the analyte was detected at concentrations exceeding the value reported in "Assessment of Sediment Quality in Florida Coastal Waters" (MacDonald Environmental Services, 1994) in relation to the number of samples analyzed.
[6] Values are the "effects values" provided in USEPA Region IV Supplemental Guidance to Risk Assessment Guidance for Superfund (RAGS). (USEPA, 1995)
[7] Frequency of detection is the number of samples in which the analyte was detected at concentrations exceeding the value reported in USEPA Region IV Supplemental Guidance to RAGS. (USEPA, 1995) in relation to the number of samples analyzed.

Notes: Environmental samples: 0SD036, 50D01301, and 50D01401. Analytical results are provided in Table 3-10.
Environmental sample duplicates: None associated with the environmental samples.
Background samples: 00SD001, 0BD00501, MPT-B-SD-1, MPT-B-SD-2, MPT-B-SD-3, MPTBSD4, MPTBSD5, MPTBSD6, MPTBSD7
Background sample duplicates: MPT-B-SD-3D, MPTBSD7D
The average of an environmental or background sample and its duplicate, if collected, is used in all calculations.
Please refer to Appendix C for analytical results of the background samples.

SWMU = Solid Waste Management Unit.
USEPA = U.S. Environmental Protection Agency.
µg/kg = micrograms per kilograms.
ND = not detected in background sediment samples.
NSC = no screening criteria.
NA = not applicable.
mg/kg = milligrams per kilograms.

Table 3-12
Summary of Toxicity Tests, and Organic and Inorganic Analytes Detected in Sediment Samples from SWMU 50, the Eastern and Western Dredge Material Holding Areas

Interim Measures Performance Specifications
Group I, SWMUs 4, 49, and 50
U.S. Naval Station
Mayport, Florida

Analytical Batch Number:	MB944	MC040	Background Screening Concentration[1]	Screening Values[2]
Sample Location:	MPT-50-SD13	MPT-50-SD14		
Sample Number:	50D01301	50D01401		
Date Sampled:	26-SEP-96	01-OCT-96		
Sample Date (ft bls):	0 to 1	0 to 1		
Toxicity Testing Summary				
Survival percentage	44	90	NA	NA
Number of deaths	6	9	NA	NA
Salinity during testing (°/∞)	32	18	NA	NA
Sediment salinity (°/∞)	25	19	NA	NA
Water column salinity (°/∞)	1.76	1.87	NA	NA
Volatile Organic Compounds (µg/kg)				
Methylene chloride	–	4 J	ND	NSC
Acetone	570	–	ND	NSC
Carbon disulfide	48	4 J	51	NSC
2-Butanone	100	23 J	ND	NSC
Semivolatile Organic Compounds (µg/kg)				
bis(2-Ethylhexyl)phthalate	290 J	620 J	170	182
Inorganic Analytes (mg/kg)				
Beryllium	0.58 J	0.65 J	0.36	NSC
Cobalt	–	2.7 J	2.6	NSC
Silver	1.1 J	–	ND	0.733
Tin	85.4	–	13.8	NSC
Vanadium	26.1	25.6	13.4	NSC

See notes at end of table.

Table 3-12 (Continued)
Summary of Toxicity Tests, and Organic and Inorganic Analytes Detected in Sediment Samples from SWMU 50, the Eastern and Western Dredge Material Holding Areas

Interim Measures Performance Specifications
Group I, SWMUs 4, 49, and 50
U. S. Naval Station
Mayport, Florida

[1] 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. Average detected organic concentration values are provided for comparison purposes only. Background screening concentration is presented in Appendix B.
[2] Values are the lower of either Threshold Effects Levels (TEL) from "Approach to the Assessment of Sediment Quality in Florida Coastal Waters" (MacDonald Environmental Services, 1994) or the "effects values" provided in USEPA Region IV Supplemental Guidance to RAGS. (USEPA, 1995).

Notes: SWMU = Solid Waste Management Unit.
ft/bls = feet below land surface.
NA = not appropriate.
$^{0}/_{\infty}$ = parts per thousand.
μg/kg = micrograms per kilogram.
-- = concentration of analyte, if present, was less than detection limit, background screening concentration, and screening value.
J = estimated value.
ND = not detected in background sediment samples.
NSC = no screening concentration available.
mg/kg = milligrams per kilogram.
RAGS = Risk Assessment Guidance for Superfund.

Table 3-13
Field and Laboratory Water Quality Parameter Measurements for Surface Water Samples Collected at SWMU 4 and the Munitions Road Ditch System

Interim Measures Performance Specifications
Group I, SWMUs 4, 49, and 50
U. S. Naval Station
Mayport, Florida

Analytical Batch Number:	M7629	M7638	MB981	M7638	M7638	MC030	M7638
Sample Location:	MPT-2-SW17	MPT-2-SW20	MPT-2-SW20	MPT-2-SW23	MPT-2-SW26	MPT-2-SW26	MPT-2-SW28
Sample Number:	02SW017	02SW020	02W020	02SW023	02SW026	02W026	02SW028
Date Sampled:	29-JUL-94	31-JUL-94	01-OCT-96	30-JUL-94	30-JUL-94	03-OCT-96	30-JUL-94
Field Measurements							
Temperature (°C)	25	29	27.6	29	27	23	35
pH (standard units)	NM	NM	9.19	NM	NM	7.98	NM
Specific conductivity (μmho/cm)	29,500	34,000	20.7	9,000	17,500	23.6	47,000
Salinity (°/₀₀)	16.5	21	1.25	5	10	1.44	26
Dissolved oxygen (mg/ℓ)	1.2	6.6	7.3	4.6	4.2	3.01	0.2
Turbidity (NTU)	NM	NM	5	NM	NM	106	NM
Laboratory Measurements (mg/ℓ)							
Alkalinity as $CaCO_3$	--	217	708	146	544	913	--
Ammonia-N	1.3	0.2	0.4	--	1.6	4.6	11.4
Chloride	11,900	14,600	9,930	1,900	5,960	6,940	18,000
Hardness as $CaCO_3$	2,350	3,330	2,320	1,150	2,880	3,070	808
Phosphorous-P, total	2.44	28.6	4.12	41.4	2.82	5.84	41
Sulfate	3,350	803	593	2,000	1,260	370	9,710
Sulfide	1	0.4	0.3	1.5	1.2	--	131
Total dissolved solids	NA	NA	10,900	NA	NA	13,100	NA
Total Kjeldahl nitrogen	10	8.3	8.6	57.1	5.4	9.6	14.4
Total organic carbon	NA	NA	46.1	NA	NA	45.3	NA

See notes at end of table.

Table 3-13 (Continued)
Field and Laboratory Water Quality Parameter Measurements for Surface Water Samples Collected at SWMU 4 and the Munitions Road Ditch System

Interim Measures Performance Specifications
Group I, SWMUs 4, 49, and 50
U. S. Naval Station
Mayport, Florida

Analytical Batch Number:	MC015	M7617	MC048	M7629	M7638	MC015	M7638
Sample Location:	MPT-2-SW28	MPT-2-SW31	MPT-2-SW31	MPT-2-SW32	MPT-2-SW33	MPT-2-SW33	MPT-2-SW34
Sample Number:	02W028	02SW031	02W031	02SW032	02SW033	02W033	02SW034
Date Sampled:	02-OCT-96	28-JUL-94	04-OCT-96	29-JUL-94	30-JUL-94	01-OCT-96	30-JUL-94
Field Measurements							
Temperature (°C)	25.5	29	23.2	25	30.5	28	30
pH (standard units)	8.39	NM	7.7	NM	NM	8.54	NM
Specific conductivity (μmho/cm)	21.3	32,000	2.07	30,000	32,000	21.3	32,500
Salinity (°/₀₀)	1.28	18.5	0.09	17	19.5	1.28	20
Dissolved oxygen (mg/ℓ)	2.49	6	2.8	2.6	4.2	3.76	1.4
Turbidity (NTU)	NM	NM	NM	NM	NM	NM	NM
Laboratory Measurements (mg/ℓ)							
Alkalinity as $CaCO_3$	616	392	206	228	250	1,020	215
Ammonia-N	0.5	--	0.7	0.9	0.5	8.7	0.4
Chloride	5,690	14,200	506	12,100	14,400	9,900	12,900
Hardness as $CaCO_3$	2,320	3,340	428	3,480	3,260	2,600	3,300
Phosphorous-P, total	3.11	1.82	0.35	2.34	1.82	2.76	2.1
Sulfate	445	898	69.9	844	728	483	632
Sulfide	--	2	--	1.3	0.8	--	0.9
Total dissolved solids	11,100	NA	1,260	NA	NA	11,200	NA
Total Kjeldahl nitrogen	6.7	8.1	2	8.4	7.8	12.3	8.6
Total organic carbon	39.8	NA	15.9	NA	NA	30.4	NA

See notes at end of table.

Table 3-13 (Continued)
Field and Laboratory Water Quality Parameter Measurements for Surface Water Samples Collected at SWMU 4 and the Munitions Road Ditch System

Interim Measures Performance Specifications
Group I, SWMUs 4, 49, and 50
U. S. Naval Station
Mayport, Florida

Analytical Batch Number:	MC030	M7638	MC048	M7629	MC048	MB981
Sample Location:	MPT-2-SW34	MPT-2-SW38	MPT-2-SW38	MPT-2-SW39	MPT-2-SW39	MPT-4-SW01
Sample Number:	02W034	02SW038	02W038	02SW039	02W039	04W001
Date Sampled:	03-OCT-96	01-AUG-94	04-OCT-96	29-JUL-94	04-OCT-96	30-SEP-96
Field Measurements						
Temperature (°C)	22.8	39	24.9	24	23.3	27.4
pH (standard units)	8.57	NM	8.58	NM	7.89	8.78
Specific conductivity (μmhos/cm)	9.8	44,000	12.51	5,000	3.62	18
Salinity (°/₀₀)	0.55	23	0.71	3	0.18	1.07
Dissolved oxygen (mg/ℓ)	2.91	0.15	6	0.3	2	3.5
Turbidity (NTU)	67	NM	167	NM	NM	NM
Laboratory Measurements (mg\ℓ)						
Alkalinity as $CaCO_3$	871	459	539	548	342	911
Ammonia-N	1.3	0.7	4.2	18.4	2.5	6.7
Chloride	2,220	17,300	3,210	2,140	1,060	4,470
Hardness as $CaCO_3$	1,230	3,380	1,140	951	688	2,100
Phosphorous-P, total	1.95	3.63	1.08	1.36	0.75	1.68
Sulfate	173	2,060	146	648	147	340
Sulfide	--	0.2	--	7.2	--	0.4
Total dissolved solids	4,470	NA	5,710	NA	2,330	8,710
Total Kjeldahl nitrogen	6	22.5	13.5	17.2	6.5	11
Total organic carbon	24.4	NA	18.1	NA	17.6	32.8

See notes at end of table.

Table 3-13 (Continued)
Field and Laboratory Water Quality Parameter Measurements for Surface Water Samples Collected at SWMU 4 and the Munitions Road Ditch System

Interim Measures Performance Specifications
Group I, SWMUs 4, 49, and 50
U. S. Naval Station
Mayport, Florida

Notes: SWMU = Solid Waste Management Unit.
°C = degree Celsius.
NM = not measured.
μmho/cm = micromhos per centimeter.
$^{o}/_{oo}$ = parts per thousand.
mg/ℓ = milligrams per liter.
NTU = nephelometric turbidity units.
$CaCO_3$ = calcium carbonate.
-- = concentration of analyte, if present, was less than detection limit.
NA = not analyzed.

locations MPT-2-SW31 and MPT-2-SW39 near the confluence of the SWMU 4 drainage ditch and the Patrol Road drainage ditch would be classified as predominantly freshwater.

Dissolved oxygen ranged from 0.15 to 6.6 mg/ℓ (average value of 2.9 mg/ℓ) in 1994 and from 2 to 7.3 mg/ℓ (average value of 3.8 mg/ℓ) in 1996. The dissolved oxygen results for 1994 suggest the presence of anoxic conditions at the locations of samples MPT-2-SW17, MPT-2-SW28, MPT-2-SW34, MPT-2-SW38, and MPT-2-SW39. The dissolved oxygen results for 1996 do not suggest the presence of anoxic or supper-saturated conditions in the SWMU 50 sediment detention ponds.

Hardness was measured from 808 to 3,480 mg/ℓ (average value of 2,566 mg/ℓ) in 1994 and from 428 to 3,070 mg/ℓ (average value of 1,766 mg/ℓ) in 1996. The 1994 and 1996 analytical results suggest that the water is very hard (greater than 180 mg/ℓ; Durfor and Becker, 1964).

Sulfate was measured from 632 to 9,710 mg/ℓ (average value of 2,085 mg/ℓ) in 1994 and from 69.9 to 593 mg/ℓ (average value of 307 mg/ℓ) in 1996. Sulfide was measured from 0.2 to 131 mg/ℓ (average value of 13.45 mg/ℓ) in 1994. Sulfide was detected in only two surface water samples collected in 1996, MPT-2-SW20 and MPT-4-SW01, at concentrations of 0.3 and 0.4 mg/ℓ, respectively. Chloride and sulfate appear to be the dominant anions in samples collected in 1994 and 1996.

A summary of nutrient (ammonia-N [ammonia as nitrogen], nitrate/nitrite, phosphorous-P, and total Kjeldahl nitrogen) parameters is also provided in Table 3-13.

Laboratory Analytical Results. Organochlorine pesticides and PCBs were not detected in the surface water samples collected in 1994. Six VOCs (1,4-dichlorobenzene, 2-butanone, benzene, carbon disulfide, chlorobenzene, and methylene chloride) and three SVOCs (isophorone, bis(2-ethylhexyl)phthalate, and 3- and 4- methylphenol) were detected in the surface water samples collected in 1994 (Table 3-14). VOCs and SVOCs, organochlorine pesticides, and PCBs were not detected in surface water samples collected in 1996. Inorganic analytes detected in the samples collected in 1994 and 1996 are provided in Table 3-14.

The organic analytical results are compared to Florida Surface Water Quality Standards and USEPA Surface Water Chronic Screening Values in Table 3-15. Currently, there are no Federal screening criteria for the VOCs 2-butanone and carbon disulfide and the SVOC 3- and 4- methylphenol. However, the comparison of the 1994 organic analytical results to Florida Surface Water Quality Standards suggests that only the detected concentrations of bis(2-ethylhexyl)phthalate were greater than the screening values.

The inorganic analytical results are compared to background screening values, Florida Surface Water Quality Standards, and USEPA Surface Water Chronic Screening Values in Table 3-15. Nine of the inorganic analytes (arsenic, barium, cadmium, chromium, lead, selenium, vanadium, zinc, and cyanide) were detected at concentrations that exceed background screening values. Two of the inorganic analytes, beryllium and mercury, were detected in SWMU 4 surface water samples but not in the background samples.

Table 3-14
Organic and Inorganic Analytes Detected in Surface Water Samples Collected at SWMU 4 and the Munitions Road Ditch System

Interim Measures Performance Specifications
Group I, SWMUs 4, 49, and 50
U. S. Naval Station
Mayport, Florida

Analytical Batch Number:	M7628	M7636	M7636	MB980	MB980	M7636	M7636	MC030
Sample Location:	MPT-2-SW17	MPT-2-SW20	MPT-2-SW20	MPT-2-SW20	MPT-2-SW20	MPT-2-SW23	MPT-2-SW26	MPT-2-SW26
Sample Number:	02SW017	02SW020	02SW020DUP	02W020	02W020DUP	02SW023	02SW026	02W026
Date Sampled:	29-JUL-94	31-JUL-94	31-JUL-94	01-OCT-96	01-OCT-96	30-JUL-94	30-JUL-94	3-OCT-96
Volatile Organic Compounds (µg/ℓ)								
Benzene	--	--	--	--	--	--	--	--
2-Butanone	--	--	--	--	--	--	2 J	--
Carbon disulfide	--	--	--	--	--	--	--	--
Chlorobenzene	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	--	--	--	--	--	--	--	--
Methylene chloride	1 J	--	--	--	--	--	--	--
Semivolatile Organic Compounds (µg/ℓ)								
bis(2-Ethylhexyl)phthalate	--	4 J	3 J	--	--	--	--	--
Isophorone	--	--	3 J	--	--	--	--	--
3 & 4-Methylphenol	--	--	--	--	--	--	--	--
Inorganic Analytes (µg/ℓ)								
Antimony	--	--	--	--	--	--	--	--
Arsenic	14.2 J	15.2 J	14.1	--	--	29.1	37.6	36.8
Barium	30.6 J	16.6 J	18.7 J	19.1 J	21.5 J	27.4 J	26.7 J	29.2 J
Beryllium	--	--	--	--	--	0.24 J	--	--
Cadmium	--	--	--	--	--	--	--	--
Chromium	--	2.8 J	--	27.8	28.8	4.2 J	--	33.7
Cobalt	--	--	--	--	--	3.1 J	--	--

See notes at end of table.

Table 3-14 (Continued)
Organic and Inorganic Analytes Detected in Surface Water Samples Collected at SWMU 4 and the Munitions Road Ditch System

Interim Measures Performance Specifications
Group I, SWMUs 4, 49, and 50
U. S. Naval Station
Mayport, Florida

Analytical Batch Number:	M7628	M7636	M7636	MB980	MB980	M7636	M7636	MC030
Sample Location:	MPT-2-SW17	MPT-2-SW20	MPT-2-SW20	MPT-2-SW20	MPT-2-SW20	MPT-2-SW23	MPT-2-SW26	MPT-2-SW26
Sample Number:	02SW017	02SW020	02SW020DUP	02W020	02W020DUP	02SW023	02SW026	02W026
Date Sampled:	29-JUL-94	31-JUL-94	31-JUL-94	01-OCT-96	01-OCT-96	30-JUL-94	30-JUL-94	3-OCT-96
Inorganic Analytes (µg/ℓ) (continued)								
Copper	8.3 J	--	--	--	--	--	6.78 J	--
Lead	--	--	--	--	--	23.8 J	--	--
Mercury	0.12 J	--	--	--	--	0.53	--	--
Nickel	--	--	--	--	--	7.4 J	--	--
Selenium	17 J	16.9 J	--	12	8.5	--	--	12.4
Thallium	2 J	--	--	--	--	--	--	--
Tin	9.4 J	--	--	243	248	--	--	213
Vanadium	3.9 J	5.5 J	5.2 J	8.6 J	10 J	11 J	13.4 J	17.6 J
Zinc	64	34.4	19 J	--	--	46.9	--	--
Cyanide	--	--	--	--	--	--	--	5.2 J

See notes at end of table.

Table 3-14 (Continued)
Organic and Inorganic Analytes Detected in Surface Water Samples Collected at SWMU 4 and the Munitions Road Drainage Ditch System

Interim Measures Performance Specifications
Group I, SWMUs 4, 49, and 50
U. S. Naval Station
Mayport, Florida

Analytical Batch Number:	M7636	MC014	M7615	M7615	MC047	M7628	M7636	MC047
Sample Location:	MPT-2-SW28	MPT-2-SW28	MPT-2-SW31	MPT-2-SW31	MPT-2-SW31	MPT-2-SW32	MPT-2-SW33	MPT-2-SW33
Sample Number:	02SW028	02W028	02SW031	02SW031DUP	02W031	02SW032	02SW033	02W033
Date Sampled:	31-JUL-94	02-OCT-96	28-JUL-94	28-JUL-94	04-OCT-96	29-JUL-94	30-JUL-94	04-OCT-96
Volatile Organic Compounds (µg/ℓ)								
Benzene	--	--	--	--	--	--	--	--
2-Butanone	--	--	--	--	--	--	--	--
Carbon disulphide	2 J	--	--	--	--	--	--	--
Chlorobenzene	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	--	--	--	--	--	--	--	--
Methylene chloride	--	--	--	1 J	--	1 J	--	--
Semivolatile Organic Compounds (µg/ℓ)								
bis(2-Ethylhexyl)phthalate	--	--	2 J	9 J	--	--	--	--
Isophorone	--	--	3 J	--	--	--	--	--
3 & 4-Methylphenol	--	--	--	--	--	--	--	--
Inorganic Analytes (µg/ℓ)								
Antimony	--	--	--	--	--	--	--	--
Arsenic	26.3	20.7	21.4 J	11.2 J	6.4 J	15.1 J	12.9 J	11.8
Barium	81.7 J	20.3 J	21.6 J	25.5 J	13.5 J	28.4 J	21.9 J	52.2 J
Beryllium	0.63 J	--	--	--	--	--	--	--
Cadmium	--	--	--	4.8 J	--	8.3	--	--
Chromium	16	3.6 J	--	--	2.8 J	--	--	2.5 J
Cobalt	4.6 J	--	--	--	--	--	--	--

See notes at end of table.

Table 3-14 (Continued)
Organic and Inorganic Analytes Detected in Surface Water Samples Collected at SWMU 4 and the Munitions Road Drainage Ditch System

Interim Measures Performance Specifications
Group I, SWMUs 4, 49, and 50
U. S. Naval Station
Mayport, Florida

Analytical Batch Number:	M7636	MC014	M7615	M7615	MC047	M7628	M7636	MC047
Sample Location:	MPT-2-SW28	MPT-2-SW28	MPT-2-SW31	MPT-2-SW31	MPT-2-SW31	MPT-2-SW32	MPT-2-SW33	MPT-2-SW33
Sample Number:	02SW028	02W028	02SW031	02SW031DUP	02W031	02SW032	02SW033	02W033
Date Sampled:	31-JUL-94	02-OCT-96	28-JUL-94	28-JUL-94	04-OCT-96	29-JUL-94	30-JUL-94	04-OCT-96
Inorganic Analytes (µg/ℓ) (continued)								
Copper	--	--	--	--	--	--	--	--
Lead	20.5 J	--	--	--	--	--	--	--
Mercury	0.9	--	0.18 J	0.12 J	--	0.14 J	--	--
Nickel	13.1 J	--	--	--	--	8.6 J	--	--
Selenium	24.7 J	--	18.9 J	--	--	15.3 J	--	--
Thallium	--	--	--	--	--	--	--	--
Tin	--	255	--	--	273	--	--	97
Vanadium	42.8 J	5.6 J	5.8 J	5.2 J	2.5 J	6.2 J	6.4 J	2.5 J
Zinc	124	--	42.8	25.8	128	44.2	55.2	--
Cyanide	0.88 J	1.1 J	--	--	1.3 J	--	--	2 J

See notes at end of table.

Table 3-14 (Continued)
Organic and Inorganic Analytes Detected in Surface Water Samples Collected at SWMU 4 and the Munitions Road Ditch System

Interim Measures Performance Specifications
Group 1, SWMUs 4, 49, and 50
U. S. Naval Station
Mayport, Florida

Analytical Batch Number:	M7636	MC032	MC032	M7637	M7637	MC047	M7628	MC047	MB980
Sample Location:	MPT-2-SW34	MPT-2-SW34	MPT-2-SW34	MPT-2-SW38	MPT-2-SW38	MPT-2-SW38	MPT-2-SW39	MPT-2-SW39	MPT-4-SW01
Sample Number:	02SW034	02W034	02W034DUP	02SW038	02SW038DUP	02W038	02SW039	02W039	04W001
Date Sampled:	30-JUL-94	03-OCT-96	03-OCT-96	01-AUG-94	01-AUG-94	4-OCT-96	29-JUL-94	04-OCT-96	30-SEP-96
Volatile Organic Compounds (µg/ℓ)									
Benzene	--	--	--	--	--	--	4 J	--	--
2-Butanone	--	--	--	--	--	--	--	--	--
Carbon disulfide	--	--	--	--	--	--	1 J	--	--
Chlorobenzene	--	--	--	--	--	--	11	--	--
1,4-Dichlorobenzene	--	--	--	--	--	--	2 J	--	--
Methylene chloride	--	--	--	--	--	--	--	--	--
Semivolatile Organic Compounds (µg/ℓ)									
bis(2-Ethylhexyl)phthalate	--	--	--	--	--	--	--	--	--
Isophorone	--	--	--	--	--	--	--	--	--
3 & 4-Methylphenol	--	--	--	--	--	--	4 J	--	--
Inorganic Analytes (µg/ℓ)									
Antimony	--	--	--	--	--	--	3 J	--	--
Arsenic	12.9	--	--	5.7 J	2.6 J	9.2 J	3.4	10.5	--
Barium	23.6 J	12.3 J	12 J	31.2 J	36.1 J	6.9 J	28.4 J	17.4 J	40.7 J
Beryllium	--	--	--	0.21 J	--	--	--	--	--
Cadmium	--	--	--	5.9 J	--	--	--	--	--
Chromium	--	16.4	16.2	--	--	5.3 J	--	4.3 J	25.2
Cobalt	--	--	--	--	--	--	--	--	--

See notes at end of table.

Table 3-14 (Continued)
Organic and Inorganic Analytes Detected in Surface Water Samples Collected at SWMU 4 and the Munitions Road Ditch System

Interim Measures Performance Specifications
Group I, SWMUs 4, 49, and 50
U. S. Naval Station
Mayport, Florida

Analytical Batch Number:	M7636	MC032	MC032	M7637	M7637	MC047	M7628	MC047	MB980
Sample Location:	MPT-2-SW34	MPT-2-SW34	MPT-2-SW34	MPT-2-SW38	MPT-2-SW38	MPT-2-SW38	MPT-2-SW39	MPT-2-SW39	MPT-4-SW01
Sample Number:	02SW034	02W034	02W034DUP	02SW038	02SW038DUP	02W038	02SW039	02W039	04W001
Date Sampled:	30-JUL-94	03-OCT-96	03-OCT-96	01-AUG-94	01-AUG-94	4-OCT-96	29-JUL-94	04-OCT-96	30-SEP-96
Inorganic Analytes (µg/ℓ) (continued)									
Copper	--	--	--	14.5 J	8 J	--	--	--	--
Lead	--	--	--	47.5 J	--	--	--	--	--
Mercury	--	--	--	--	--	--	0.27	--	--
Nickel	--	--	--	--	13.8 J	--	--	--	--
Selenium	--	--	4.2 J	14.1 J	31.1 J	--	1.9 J	--	9.6
Thallium	--	--	--	--	--	--	--	--	--
Tin	--	207	204	--	11.9 J	--	--	363	245
Vanadium	3.7 J	4.8 J	4.6 J	--	--	338	3.2 J	2.1 J	4.2 J
Zinc	75.1	--	139 J	24	24.6	2.7 J	32.8	110	--
Cyanide	--	1.1 J	2.7 J	0.42 J	--	0.88 J	--	1 J	1.2 J

Notes: SWMU = Solid Waste Management Unit.
µg/ℓ = micrograms per liter.
J = estimated value.
-- = concentration of analyte, if present, was less than detection limit.

Table 3-15
Summary of Chemicals Detected in Surface Water Samples (Unfiltered) Collected at SWMU 4 and the Munitions Road Ditch System

Interim Measures Performance Specifications
Group I SWMUs 4, 49, and 50
U.S. Naval Station
Mayport, Florida

Analyte	Frequency of Detection[1]	Reporting Limit Range	Detected Concentration Range	Mean of Detected Concentration[2]	Background Screening Concentration[3]	Florida Surface Water Quality Standards (Class III Freshwater)[4]	Frequency Above Florida Surface Water Quality Standards[5]	USEPA Surface Water Chronic Screening Value (Freshwater)[6]	Frequency Above USEPA Surface Water Chronic Screening Value[7]
Volatile Organic Compounds (µg/ℓ)									
Benzene	1/20	5	4	4	ND	71.28	0/20	53	0/20
2-Butanone	1/20	10	2	2	ND	[8]4,200	0/20	NSC	NSC
Carbon disulfide	2/20	5	1 to 2	1.5	ND	[8]700	0/20	NSC	NSC
Chlorobenzene	1/20	5	11	11	ND	[8]100	0/20	195	0/20
1,4-Dichlorobenzene	1/20	5 to 10	2	2	ND	[8]75	0/20	11.2	0/20
Methylene chloride	3/20	2.5 to 5	1 to [9]1.75	1.3	ND	[8]5	0/20	1,930	0/20
Semivolatile Organic Compounds (µg/ℓ)									
bis(2-Ethylhexyl)phthalate	2/20	10	3.5 to [9]5.5	4.5	2	[10]0.3	2/20	[10]0.3	2/20
Isophorone	2/20	5 to 10	[9]4	4	ND	[8]40	0/20	1,170	0/20
3- & 4-Methylphenol (2)	1/20	10	4	4	ND	[8]35	0/20	NSC	NSC
Inorganic Analytes (µg/ℓ)									
Antimony	1/20	3.4 to 22.3	3	3	77.6	4,300	0/20	160	0/20
Arsenic	17/20	5.2 to 5.2	3.4 to 37.6	16.6	6.2	50	0/20	190	0/20
Barium	20/20	NA	6.9 to 81.7	27.8	23	[8]2,000	0/20	NSC	NSC
Beryllium	3/20	0.09 to 0.18	[9]0.15 to 0.63	0.34	ND	0.13	3/20	0.53	1/20

See notes at end of table.

Table 3-15 (Continued)
Summary of Chemicals Detected in Surface Water Samples (Unfiltered) Collected at SWMU 4 and the Munitions Road Ditch System

Interim Measures Performance Specifications
Group I SWMUs 4, 49, and 50
U.S. Naval Station
Mayport, Florida

Analyte	Frequency of Detection[1]	Reporting Limit Range	Detected Concentration Range	Mean of Detected Concentration[2]	Background Screening Concentration[3]	Florida Surface Water Quality Standards (Class III Freshwater)[4]	Frequency Above Florida Surface Water Quality Standards[5]	USEPA Surface Water Chronic Screening Value (Freshwater)[6]	Frequency Above USEPA Surface Water Chronic Screening Value[7]
Inorganic Analytes (µg/ℓ) (continued)									
Cadmium	3/20	0.38 to 3	[8]3.15 to 8.3	5.1	3.2	[11]3.37	2/20	[11]3.37	2/20
Chromium	12/20	1 to 2	[9]1.9 to 33.7	12	5.0	[11]644	0/20	[11]644	0/20
Cobalt	2/20	0.32 to 2.7	3.1 to 4.6	3.9	15.4	NSC	NSC	NSC	NSC
Copper	3/20	4 to 32.2	6.78 to [9]11.25	8.8	27.4	[11]38.7	0/20	[11]38.7	0/20
Lead	3/20	1 to 20.5	20.5 to [9]24.25	22.8	2.6	[11]18.6	3/20	[11]18.6	3/20
Mercury	6/20	0.01 to 0.2	0.12 to 0.9	0.35	ND	0.012	6/20	0.012	6/20
Nickel	4/20	1.2 to 7.3	7.4 to 13.1	9.5	26	[11]509	0/20	[11]509	0/20
Selenium	11/20	1.95 to 13.2	1.9 to 24.7	12.8	11.6	5	9/20	5	9/20
Thallium	1/20	1.3 to 13	2	2	75.6	63	0/20	4	0/20
Tin	11/20	4.7 to 9.4	[9]8.3 to 363	202	1552	[8]4,200	0/20	NSC	NSC
Vanadium	19/20	1.7	2.1 to 42.8	8	7.8	[8]49	0/20	NSC	NSC
Zinc	13/20	9.1 to 85.9	[9]24.3 to 128	65.3	4	[11]343	0/20	[11]343	0/20
Cyanide	10/20	0.16 to 8.1	[9]0.29 to 88	10.3	4.2	5.2	1/20	5.2	1/20

See notes at end of table.

Table 3-15 (Continued)
Summary of Chemicals Detected in Surface Water Samples (Unfiltered) Collected at SWMU 4 and the Munitions Road Ditch System

Interim Measures Performance Specifications
Group I SWMUs 4, 49, and 50
U.S. Naval Station
Mayport, Florida

[1] Frequency of detection is the number of environmental samples in which the analyte was detected over the total number of environmental samples analyzed (excluding rejected values). An environmental sample and duplicate were considered one sample.
[2] The mean of detected concentrations is the arithmetic mean of all samples in which the analyte was detected. It does not include those samples with "R", "U", or "UJ" validation qualifiers.
[3] 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. The average detected organic values are provided for comparison purposes only.
[4] Values are from Florida Surface Water Quality Standards (Florida Administration Code [FAC] 62-302) (Florida Department of Environmental Protection [FDEP], 1995). Values from FDEP Groundwater Guidance Concentrations (FDEP, 1994) are used as surrogate comparison values whenever the Surface Water Quality Standards do contain a value for a specific analyte detected.
[5] The number of samples in which the analyte was detected at a concentration above both the background screening concentration (for inorganics only) and the Florida Surface Water Quality Standards (FAC 62-302) over the total number of samples analyzed.
[6] Values are from USEPA Region IV Supplemental Guidance to Risk Assessment Guidance for Superfund (RAGS): Ecological Risk Assessment (USEPA, 1995).
[7] The number of samples in which the analyte was detected at a concentration above both the background screening concentration (for inorganics only) and the USEPA Region IV Supplemental Guidance to RAGS: Ecological Risk Assessment (USEPA, 1995) over the total number of samples analyzed.
[8] Value is from FDEP Groundwater Guidance Concentrations (FDEP, 1994).
[9] The value is the average of a sample and its duplicate. For duplicate samples having one nondetect value, one-half of the contract-required quantification limit/contract-required detection limit is used as a surrogate concentration for the nondetect concentration.
[10] Value is based on phthalate esters.
[11] Value is a hardness-based criterion. The criterion and calculation are presented in Appendix D.

Notes: Environmental samples: 02SW017, 02SW020, 02SW023, 02SW026, 02SW028, 02SW031, 02SW032, 02SW033, 02SW034, 02SW038, 02SW039, 02W020, 02W026, 02W028, 02W031, 02W033, 02W034, 02W038, 02W039, and 04W001. Analytical results are provided in Table 3-14.
Environmental sample duplicates: 02SW020DUP, 02W020DUP, 02SW031DUP, 02W034DUP, 02SW038DUP.
Background samples: 00SW001, 0BW005, MPT-B-SW-1, MPT-B-SW-2, MPT-B-SW-3, MPTBSW4, MPTBSW5, MPTBSW6, and MPTBSW7.
Background sample duplicates: MPT-B-SW-1D and MPTBSW7D.
The average of an environmental or background sample and its duplicate is used in all calculations.
Please refer to Appendix C for the analytical results of the background samples.

SWMU = Solid Waste Management Unit.
USEPA = U.S. Environmental Protection Agency.
$\mu g/\ell$ = micrograms per liter.
ND = not detected in background surface water samples.
NSC = no screening concentration available.
NA = not applicable.

Concentrations of beryllium, cadmium, lead, mercury, selenium, and cyanide were detected at concentrations greater than Florida Surface Water Quality Standards and USEPA Surface Water Chronic Screening Values in Table 3-15. Beryllium, cadmium, lead, and mercury were detected in the 1994 surface water samples but not in the 1996 samples. Seven of the surface water samples collected in 1994 and two of the samples collected in 1996 contained selenium at concentrations greater than the Florida Surface Water Quality Standards and USEPA Surface Water Chronic Screening Values. One sample collected in 1996 contained cyanide at concentrations greater than the Florida Surface Water Quality Standards and USEPA Surface Water Chronic Screening Values.

3.3.2 Sediment Analytical Results Pesticides and PCBs were not detected in the sediment samples collected in 1994. VOCs detected in sediment samples collected in 1994 were acetone, carbon disulfide, 2-butanone, and chlorobenzene (Table 3-16). SVOCs detected in sediment samples collected in 1994 were acenaphthene, n-nitrosodiphenylamine, phenanthrene, di-n-butylphthalate, fluoranthene, pyrene, benzo(a)pyrene, chrysene, bis(2-ethylhexyl)phthalate, di-n-octylphthalate, 3- and 4- methylphenol, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, indeno(1,2,3-cd)pyrene, and benzo(g,h,i)perylene).

PCBs were not detected in the sediment samples collected in 1996. VOCs detected in sediment samples collected in 1996 were methylene chloride, acetone, carbon disulfide, 1,2-dichloroethene, 2-butanone, toluene, chlorobenzene, xylenes, and 1,4-dichlorobenzene. SVOCs detected in sediment samples collected in 1996 were acenaphthene, n-nitrosodiphenylamine, fluoranthene, pyrene, bis(2-ethylhexyl)-phthalate, and di-n-octylphthalate. Organochlorine pesticides detected in sediment samples collected in 1996 were alpha-benzene hexachloride (BHC), beta-BHC, delta-BHC, gamma-BHC (Lindane), 4,4'-DDE, 4,4'-DDD, 4,4'-DDT, endrin, endrin ketone, and chlordane.

Inorganic analytes detected in sediment samples collected in 1994 and 1996 are provided in Table 3-16.

The TCLP was conducted on two of the sediment samples collected from sampling location MPT-4-SD01 at the ditch that bisects SWMU 4. Concentrations of arsenic and barium were detected in the extracts from both samples (Table 3-17). Cadmium, chromium, lead, mercury, selenium, and silver, if present, were at concentrations that were less than the detection limit. The detected analytical results and detection limits are lower than the regulatory levels under 40 CFR 261.24 (b) that are used to characterize a material as hazardous waste (Table 3-17).

The organic compounds detected in the sediment samples were compared to FDEP TELs and USEPA effects levels (Table 3-18). Screening values have not been established for any of the detected VOCs, four of the SVOCs (di-n-butylphthalate, di-n-octylphthalate, nitrosodiphenylamine, and phenanthrene [USEPA effects level]), and four of the pesticides (endrin ketone, alpha-BHC, beta-BHC, and delta-BHC).

Five of the VOCs (1,2-dichloroethene, 1,4-dichlorobenzene, methylene chloride, toluene, and xylenes), 12 of the SVOCs (3- and 4- methylphenol, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(g,h,i)perylene, benzo(k)fluoranthene, chrysene, di-n-butylphthalate, di-n-octylphthalate, indeno(1,2,3-cd)pyrene,

Table 3-16
Organic and Inorganic Analytes Detected in Sediment Samples Collected at SWMU 4 and the Munitions Road Ditch System

Interim Measures Performance Specifications
Group I, SWMUs 4, 49, and 50
U. S. Naval Station
Mayport, Florida

Analytical Batch Number:	M7628	M7635	M7635	MB982	MB982	M7635	M7635
Sample Location:	MPT-2-SD17	MPT-2-SD20	MPT-2-SD20	MPT-2-SD20	MPT-2-SD20	MPT-2-SD23	MPT-2-SD26
Sample Number:	02SD017	02SD020	02SD020DUP	02D02001	02D02001DUP	02SD023	02SD026
Date Sampled:	29-JUL-94	31-JUL-94	31-JUL-94	1-OCT-96	1-OCT-96	30-JUL-94	30-JUL-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
Volatile Organic Compounds (µg/kg)							
Acetone	680 J	370 J	400 J	--	--	--	--
2-Butanone	100 J	60 J	70 J	--	21 J	9 J	--
Carbon disulfide	140	46	78	21	24	--	--
Chlorobenzene	--	--	--	--	--	--	--
1,4-Dichlorobenzene	--	--	--	--	--	--	--
1,2-Dichloroethene	--	--	--	--	--	--	--
Methylene chloride	--	--	--	--	--	--	--
Toluene	--	--	--	--	--	--	--
Xylenes	--	--	--	--	--	--	--
Semivolatile Organic Compounds (µg/kg)							
Acenaphthene	--	--	--	--	--	--	--
Benzo(a)anthracene	--	--	--	--	--	--	--
Benzo(b)fluoranthene	--	--	--	--	--	--	--
Benzo(k)fluoranthene	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	--	--	--	--	--	--	--
Benzo(a)pyrene	--	--	--	--	--	--	--
Chrysene	--	--	--	--	--	--	--
Di-n-butylphthalate	--	--	--	--	--	--	--
Di-n-octylphthalate	--	--	--	--	--	--	130 J

See notes at end of table.

Table 3-16 (Continued)
Organic and Inorganic Analytes Detected in Sediment Samples Collected at SWMU 4 and the Munitions Road Ditch System

Interim Measures Performance Specifications
Group I, SWMUs 4, 49, and 50
U. S. Naval Station
Mayport, Florida

Analytical Batch Number:	M7628	M7635	M7635	MB982	MB982	M7635	M7635
Sample Location:	MPT-2-SD17	MPT-2-SD20	MPT-2-SD20	MPT-2-SD20	MPT-2-SD20	MPT-2-SD23	MPT-2-SD26
Sample Number:	02SD017	02SD020	02SD020DUP	02D02001	02D02001DUP	02SD023	02SD026
Date Sampled:	29-JUL-94	31-JUL-94	31-JUL-94	1-OCT-96	1-OCT-96	30-JUL-94	30-JUL-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
Semivolatile Organic Compounds (µg/kg) (continued)							
bis(2-Ethylhexyl)phthalate	--	--	--	130 J	97 J	--	20,000 J
Fluoranthene	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	--	--	--	--	--	--	--
3 & 4-Methylphenol	--	900	940	--	--	--	--
N-Nitrosodiphenylamine	--	--	--	--	--	--	--
Phenanthrene	--	--	--	--	--	--	--
Pyrene	--	--	--	--	--	--	--
Pesticide Compounds (µg/kg)							
alpha-BHC	--	--	--	--	--	--	--
beta-BHC	--	--	--	--	--	--	--
delta-BHC	--	--	--	--	--	--	--
gamma-BHC (Lindane)	--	--	--	--	--	--	--
Chlordane	--	--	--	--	--	--	--
4,4-DDD	--	--	--	--	--	--	--
4,4-DDE	--	--	--	--	--	--	--
4,4-DDT	--	--	--	--	--	--	--
Endrin	--	--	--	--	--	--	--
Endrin Ketone	--	--	--	--	--	--	--

See notes at end of table.

Table 3-16 (Continued)
Organic and Inorganic Analytes Detected in Sediment Samples Collected at SWMU 4 and the Munitions Road Ditch System

Interim Measures Performance Specifications
Group I, SWMUs 4, 49, and 50
U. S. Naval Station
Mayport, Florida

Analytical Batch Number:	M7628	M7635	M7635	MB982	MB982	M7635	M7635
Sample Location:	MPT-2-SD17	MPT-2-SD20	MPT-2-SD20	MPT-2-SD20	MPT-2-SD20	MPT-2-SD23	MPT-2-SD26
Sample Number:	02SD017	02SD020	02SD020DUP	02D02001	02D02001DUP	02SD023	02SD026
Date Sampled:	29-JUL-94	31-JUL-94	31-JUL-94	1-OCT-96	1-OCT-96	30-JUL-94	30-JUL-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
Inorganic Analytes (mg/kg)							
Antimony	--	--	--	--	--	--	--
Arsenic	5.5 J	7.7 J	5 J	--	--	8.7 J	11.9 J
Barium	22.4 J	13.9 J	12.5 J	4.5 J	10.9 J	51 J	20.4 J
Beryllium	0.57 J	0.46 J	0.17 J	0.16 J	0.39 J	0.17 J	0.71 J
Cadmium	2.9 J	--	--	--	--	--	--
Chromium	16.5 J	17.7 J	8.9 J	5.8 J	14.7 J	12.4 J	27.1 J
Cobalt	4.9 J	2.6 J	2 J	0.66 J	1.7 J	3.6 J	4.8 J
Copper	15.8 J	23.2 J	6.3 J	3.3 J	5 J	19.8 J	17.5 J
Lead	11.3 J	12.2 J	6.8 J	--	7.9	10.7 J	16.9 J
Mercury	0.4	0.11 J	--	0.14 J	0.14 J	--	0.4
Nickel	9.8 J	5.6 J	--	0.89 J	3.5 J	7.7 J	12.4 J
Selenium	--	--	--	--	--	1.1 J	0.66 J
Silver	2.4 J	--	--	--	--	--	--
Thallium	--	0.61 J	--	--	--	--	0.59 J
Tin	13.9 J	5.5 J	9.8 J	3.9 J	10.2 J	13.9 J	4.4 J
Vanadium	23.5 J	20.4 J	15 J	6.4 J	15.7	23.2 J	49.1
Zinc	103 J	40.2	57	21.3	30.4	85.4	62.2
Cyanide	--	0.24 J	0.34 J	--	--	0.4 J	0.66 J

See notes at end of table.

Table 3-16 (Continued)
Organic and Inorganic Analytes Detected in Sediment Samples Collected at SWMU 4 and the Munitions Road Ditch System

Interim Measures Performance Specifications
Group I, SWMUs 4, 49, and 50
U. S. Naval Station
Mayport, Florida

Analytical Batch Number:	MC031	M7635	MC040	M7616	M7616	MC040	M7628
Sample Location:	MPT-2-SD26	MPT-2-SD28	MPT-2-SD28	MPT-2-SD31	MPT-2-SD31	MPT-2-SD31	MPT-2-SD32
Sample Number:	02D02601	02SD028	02D02801	02SD031	02SD031DUP	02D03101	02SD032
Date Sampled:	03-OCT-96	31-JUL-94	2-OCT-96	28-JUL-94	28-JUL-94	04-OCT-96	29-JUL-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
Volatile Organic Compounds (µg/kg)							
Acetone	--	--	--	--	56 J	--	--
2-Butanone	--	6 J	17 J	4 J	12 J	--	25 J
Carbon disulfide	4 J	3 J	9 J	3 J	2 J	--	13
Chlorobenzene	--	--	--	--	--	--	22
1,4-Dichlorobenzene	--	--	--	--	--	--	--
1,2-Dichloroethene	--	--	--	--	--	--	--
Methylene chloride	--	--	--	--	--	7 J	--
Toluene	--	--	--	--	--	--	--
Xylenes	--	--	--	--	--	--	--
Semivolatile Organic Compounds (µg/kg)							
Acenaphthene	--	--	--	--	--	--	430 J
Benzo(a)anthracene	--	--	--	420 J	--	--	--
Benzo(b)fluoranthene	--	--	--	290 J	--	--	--
Benzo(k)fluoranthene	--	--	--	300 J	--	--	--
Benzo(g,h,i)perylene	--	--	--	140 J	--	--	--
Benzo(a)pyrene	--	--	--	300 J	--	--	--
Chrysene	--	--	--	470 J	--	--	--
Di-n-Butylphthalate	--	--	--	--	--	--	340 J
Di-n-octylphthalate	--	--	--	--	--	--	--

See notes at end of table.

Table 3-16 (Continued)
Organic and Inorganic Analytes Detected in Sediment Samples Collected at SWMU 4 and the Munitions Road Ditch System

Interim Measures Performance Specifications
Group I, SWMUs 4, 49, and 50
U. S. Naval Station
Mayport, Florida

Analytical Batch Number:	MC031	M7635	MC040	M7616	M7616	MC040	M7628
Sample Location:	MPT-2-SD26	MPT-2-SD28	MPT-2-SD28	MPT-2-SD31	MPT-2-SD31	MPT-2-SD31	MPT-2-SD32
Sample Number:	02D02601	02SD028	02D02801	02SD031	02SD031DUP	02D03101	02SD032
Date Sampled:	03-OCT-96	31-JUL-94	2-OCT-96	28-JUL-94	28-JUL-94	04-OCT-96	29-JUL-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
Semivolatile Organic Compounds (µg/kg) (continued)							
bis(2-Ethylhexyl)phthalate	99 J	--	--	--	--	--	--
Fluoranthene	--	--	--	780 J	290 J	--	--
Indeno(1,2,3-cd)pyrene	--	--	--	140 J	--	--	--
3 & 4-Methylphenol	--	--	--	--	--	--	--
N-Nitrosodiphenylamine	--	--	--	--	--	--	--
Phenanthrene	--	--	--	--	95 J	--	--
Pyrene	--	--	--	760 J	280 J	--	--
Pesticide Compounds (µg/kg)							
alpha-BHC	--	--	--	--	--	--	--
beta-BHC	--	--	--	--	--	--	--
delta-BHC	--	--	--	--	--	--	--
gamma-BHC (Lindane)	--	--	--	--	--	--	--
Chlordane	--	--	--	--	--	--	--
4,4-DDD	--	--	--	--	--	--	--
4,4-DDE	--	--	--	--	--	--	--
4,4-DDT	--	--	--	--	--	--	--
Endrin	--	--	--	--	--	--	--
Endrin Ketone	--	--	--	--	--	--	--

See notes at end of table.

Table 3-16 (Continued)
Organic and Inorganic Analytes Detected in Sediment Samples Collected at SWMU 4 and the Munitions Road Ditch System

Interim Measures Performance Specifications
Group I, SWMUs 4, 49, and 50
U. S. Naval Station
Mayport, Florida

Analytical Batch Number:	MC031	M7635	MC040	M7616	M7616	MC040	M7628
Sample Location:	MPT-2-SD26	MPT-2-SD28	MPT-2-SD28	MPT-2-SD31	MPT-2-SD31	MPT-2-SD31	MPT-2-SD32
Sample Number:	02D02601	02SD028	02D02801	02SD031	02SD031DUP	02D03101	02SD032
Date Sampled:	03-OCT-96	31-JUL-94	2-OCT-96	28-JUL-94	28-JUL-94	04-OCT-96	29-JUL-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
Inorganic Analytes (mg/kg)							
Antimony	--	--	--	--	--	--	--
Arsenic	--	8.8 J	--	0.65 J	0.53 J	--	6.7
Barium	14.3 J	19.3 J	10.5 J	--	--	2.2 J	22.7 J
Beryllium	0.53 J	0.65 J	0.35 J	0.1 J	0.09 J	0.08 J	0.86 J
Cadmium	--	--	--	--	--	--	--
Chromium	20.2 J	27.3 J	13.4 J	2.3 J	2.5 J	2 J	23.9 J
Cobalt	2.6 J	4.5 J	1.7 J	--	--	0.28 J	7.2 J
Copper	9.1	11 J	3.9 J	--	2.2 J	0.47 J	8.7 J
Lead	10.9	12.6 J	6.7	3.5 J	3 J	--	11.2 J
Mercury	0.17 J	--	0.15 J	--	--	--	0.17 J
Nickel	3.8 J	9.5 J	3.1 J	--	--	--	7.7 J
Selenium	--	--	--	--	--	--	1.4 J
Silver	--	--	--	--	--	--	1.5 J
Thallium	--	1.2 J	--	--	--	--	--
Tin	10.9 J	9 J	7.4 J	3.1 J	4.4 J	3 J	4.7 J
Vanadium	26.2	32.6	16	1.7 J	1.9 J	2.5 J	28.3
Zinc	34.6	68	25	13.5 J	29.4 J	4.7	58 J
Cyanide	--	0.29 J	--	--	--	--	--

See notes at end of table.

Table 3-16 (Continued)
Organic and Inorganic Analytes Detected in Sediment Samples Collected at SWMU 4 and the Munitions Road Ditch System

Interim Measures Performance Specifications
Group I, SWMUs 4, 49, and 50
U. S. Naval Station
Mayport, Florida

Analytical Batch Number:	M7635	MC040	M7635	MC031	MC031	M7637	M7637
Sample Location:	MPT-2-SD33	MPT-2-SD33	MPT-2-SD34	MPT-2-SD34	MPT-2-SD34	MPT-2-SD38	MPT-2-SD38
Sample Number:	02SD033	02D03301	02SD034	02D03401	02D03401DUP	02SD038	02SD038DUP
Date Sampled:	30-JUL-94	3-OCT-96	30-JUL-94	3-OCT-96	3-OCT-96	1-AUG-94	1-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
Volatile Organic Compounds (µg/kg)							
Acetone	66 J	--	110 J	390	--	--	--
2-Butanone	--	8 J	13 J	69 J	31 J	11 J	8 J
Carbon disulfide	10 J	10 J	18	47	47	3 J	5 J
Chlorobenzene	--	--	--	--	--	--	--
1,4-Dichlorobenzene	--	--	--	--	--	--	--
1,2-Dichloroethene	--	--	--	--	--	--	--
Methylene chloride	--	--	--	--	--	--	--
Toluene	--	3 J	--	--	--	--	--
Xylenes	--	--	--	--	--	--	--
Semivolatile Organic Compounds (µg/kg)							
Acenaphthene	--	--	--	--	--	--	--
Benzo(a)anthracene	--	--	--	--	--	--	--
Benzo(b)fluoranthene	--	--	--	--	--	--	--
Benzo(k)fluoranthene	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	--	--	--	--	--	--	--
Benzo(a)pyrene	--	--	--	--	--	--	--
Chrysene	--	--	--	--	--	--	--
Di-n-Butylphthalate	--	--	--	--	--	--	--
Di-n-octylphthalate	--	--	--	--	--	--	--

See notes at end of table.

Table 3-16 (Continued)
Organic and Inorganic Analytes Detected in Sediment Samples Collected at SWMU 4 and the Munitions Road Ditch System

Interim Measures Performance Specifications
Group I, SWMUs 4, 49, and 50
U. S. Naval Station
Mayport, Florida

Analytical Batch Number:	M7635	MC040	M7635	MC031	MC031	M7637	M7637
Sample Location:	MPT-2-SD33	MPT-2-SD33	MPT-2-SD34	MPT-2-SD34	MPT-2-SD34	MPT-2-SD38	MPT-2-SD38
Sample Number:	02SD033	02D03301	02SD034	02D03401	02D03401DUP	02SD038	02SD038DUP
Date Sampled:	30-JUL-94	3-OCT-96	30-JUL-94	3-OCT-96	3-OCT-96	1-AUG-94	1-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
Semivolatile Organic Compounds (µg/kg) (continued)							
bis(2-Ethylhexyl)phthalate	--	94 J	--	5,000 J	1,200 J	--	--
Fluoranthene	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	--	--	--	--	--	--	--
3 & 4-Methylphenol	--	--	--	--	--	--	--
N-Nitrosodiphenylamine	--	--	--	440 J	--	--	--
Phenanthrene	--	--	--	--	--	--	--
Pyrene	--	--	--	180 J	--	--	--
Pesticide Compounds (µg/kg)							
alpha-BHC	--	--	--	1,100 J	--	--	--
beta-BHC	--	--	--	610 J	--	--	--
delta-BHC	--	--	--	510 J	--	--	--
gamma-BHC (Lindane)	--	--	--	1,300 J	--	--	--
Chlordane	--	--	--	23,000 J	--	--	--
4,4-DDD	--	--	--	9,400 J	--	--	--
4,4-DDE	--	--	--	1,200 J	--	--	--
4,4-DDT	--	--	--	10,000 J	--	--	--
Endrin	--	--	--	3,200 J	--	--	--
Endrin Ketone	--	--	--	980 J	--	--	--

See notes at end of table.

Table 3-16 (Continued)
Organic and Inorganic Analytes Detected in Sediment Samples Collected at SWMU 4 and the Munitions Road Ditch System

Interim Measures Performance Specifications
Group I, SWMUs 4, 49, and 50
U. S. Naval Station
Mayport, Florida

Analytical Batch Number:	M7635	MC040	M7635	MC031	MC031	M7637	M7637
Sample Location:	MPT-2-SD33	MPT-2-SD33	MPT-2-SD34	MPT-2-SD34	MPT-2-SD34	MPT-2-SD38	MPT-2-SD38
Sample Number:	02SD033	02D03301	02SD034	02D03401	02D03401DUP	02SD038	02SD038DUP
Date Sampled:	30-JUL-94	3-OCT-96	30-JUL-94	3-OCT-96	3-OCT-96	1-AUG-94	1-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
Inorganic Analytes (mg/kg)							
Antimony	--	--	--	--		1.2 J	--
Arsenic	7.5 J	4.5	7.6 J	--		4.1	4.4
Barium	13.5 J	6.8 J	27.4 J	20.1 J	11.4 J	20.1 J	18.9 J
Beryllium	0.44 J	0.27 J	0.58 J	0.11 J	0.09 J	0.72 J	0.63 J
Cadmium	--	--	--	--	--	--	--
Chromium	16.4 J	9.3 J	20.4 J	5.4 J	3.5 J	26.3 J	23.9
Cobalt	2.4 J	0.98 J	3 J	0.7 J	0.49 J	3.9 J	3.7 J
Copper	2.6 J	2.1 J	17.5 J	4.7 J	2.9 J	9.9	7.6 J
Lead	5.9 J	--	15.8 J	--	--	23.6 J	18.2 J
Mercury	--	0.12 J	--	0.08 J	0.05 J	0.08 J	--
Nickel	3.7 J	1.9 J	13.6 J	--	0.39 J	63.2	7.2 J
Selenium	0.8 J	--	1.4 J	--	--	--	0.66 J
Silver	--	--	--	--	--	--	0.85 J
Thallium	--	--	--	--	--	--	--
Tin	7.4 J	6.2 J	--	6.8 J	4.9 J	35.6	5.7 J
Vanadium	22.8	12.5	24.9 J	6.9 J	5.2 J	29.1	25.6
Zinc	18.3	12.9	74.4	23.1	17.1	47.2	35
Cyanide	0.16 J	--	0.34 J	--	--	0.22 J	0.16 J

See notes at end of table.

Table 3-16 (Continued)
Organic and Inorganic Analytes Detected in Sediment Samples Collected at SWMU 4 and the Munitions Road Ditch System

Interim Measures Performance Specifications
Group I, SWMU 4, 49, and 50
U. S. Naval Station
Mayport, Florida

Analytical Batch Number:	MC040	M7628	MC040	MB982	MB982	MB982
Sample Location:	MPT-2-SD38	MPT-2-SD39	MPT-2-SD39	MPT-4-SD01	MPT-4-SD01	MPT-4-SD02
Sample Number:	02D03801	02SD039	02D03901	04D00101	04D00102	04D00202
Date Sampled:	4-OCT-96	29-JUL-94	04-OCT-96	30-SEP-96	30-SEP-96	30-SEP-96
Sample Depth (ft bls):	0 to 1	0 to 1	0 to 1	0 to 1	1 to 2	1 to 2
Volatile Organic Compounds (µg/kg)						
Acetone	--	--	--	380	--	--
2-Butanone	--	--	--	76	11 J	18 J
Carbon disulfide	4 J	3 J	--	37	9 J	2 J
Chlorobenzene	--	--	24	10 J	--	10
1,4-Dichlorobenzene	--	--	8 J	--	--	--
1,2-Dichloroethene	--	--	--	110	--	--
Methylene chloride	--	--	--	--	--	--
Toluene	--	--	--	--	--	--
Xylenes	--	--	--	--	--	5 J
Semivolatile Organic Compounds (µg/kg)						
Acenaphthene	--	--	--	--	150 J	--
Benzo(a)anthracene	--	--	--	--	--	--
Benzo(b)fluoranthene	--	--	--	--	--	--
Benzo(k)fluoranthene	--	--	--	--	--	--
Benzo(g,h,i)perylene	--	--	--	--	--	--
Benzo(a)pyrene	--	--	--	--	--	--
Chrysene	--	--	--	--	--	--
Di-n-Butylphthalate	--	--	--	--	--	--
Di-n-octylphthalate	--	--	--	2,600	--	--

See notes at end of table.

Table 3-16 (Continued)
Organic and Inorganic Analytes Detected in Sediment Samples Collected at SWMU 4 and the Munitions Road Ditch System

Interim Measures Performance Specifications
Group I, SWMU 4, 49, and 50
U. S. Naval Station
Mayport, Florida

Analytical Batch Number:	MC040	M7628	MC040	MB982	MB982	MB982
Sample Location:	MPT-2-SD38	MPT-2-SD39	MPT-2-SD39	MPT-4-SD01	MPT-4-SD01	MPT-4-SD02
Sample Number:	02D03801	02SD039	02D03901	04D00101	04D00102	04D00202
Date Sampled:	4-OCT-96	29-JUL-94	04-OCT-96	30-SEP-96	30-SEP-96	30-SEP-96
Sample Depth (ft bls):	0 to 1	0 to 1	0 to 1	0 to 1	1 to 2	1 to 2
Semivolatile Organic Compounds (µg/kg) (continued)						
bis(2-Ethylhexyl)phthalate	--	--	120 J	--	--	--
Fluoranthene	--	--	61 J	--	97 J	--
Indeno(1,2,3-cd)pyrene	--	--	--	--	--	--
3 & 4-Methylphenol	--	--	--	--	--	--
N-Nitrosodiphenylamine	--	--	--	--	--	--
Phenanthrene	--	--	--	--	--	--
Pyrene	--	--	75 J	--	--	67 J
Pesticide Compounds (µg/kg)						
alpha-BHC	--	--	--	--	--	--
beta-BHC	--	--	--	--	--	--
delta-BHC	--	--	--	--	--	--
gamma-BHC (Lindane)	--	--	--	--	--	--
Chlordane	--	--	--	--	--	--
4,4-DDE	--	--	--	--	--	--
4,4-DDD	--	--	--	--	--	--
4,4-DDT	--	--	--	--	--	--
Endrin	--	--	--	--	--	--
Endrin Ketone	--	--	--	--	--	--

See notes at end of table.

Table 3-16 (Continued)
Organic and Inorganic Analytes Detected in Sediment Samples Collected at SWMU 4 and the Munitions Road Ditch System

Interim Measures Performance Specifications
Group I, SWMU 4, 49, and 50
U. S. Naval Station
Mayport, Florida

Analytical Batch Number:	MC040	M7628	MC040	MB982	MB982	MB982
Sample Location:	MPT-2-SD38	MPT-2-SD39	MPT-2-SD39	MPT-4-SD01	MPT-4-SD01	MPT-4-SD02
Sample Number:	02D03801	02SD039	02D03901	04D00101	04D00102	04D00202
Date Sampled:	4-OCT-96	29-JUL-94	04-OCT-96	30-SEP-96	30-SEP-96	30-SEP-96
Sample Depth (ft bls):	0 to 1	0 to 1	0 to 1	0 to 1	1 to 2	1 to 2
Inorganic Analytes (mg/kg)						
Antimony	--	--	--	--	--	--
Arsenic	--	1.4 J	--	--	--	--
Barium	9.9 J	--	6.1 J	15.9 J	5.9 J	7.6 J
Beryllium	0.3 J	0.16 J	0.16 J	0.21 J	0.09 J	0.22 J
Cadmium	--	1.3 J	--	--	--	--
Chromium	12 J	6.2 J	6.7 J	9.8 J	4.2 J	8.4 J
Cobalt	1.4 J	--	0.63 J	1.7 J	0.48 J	1 J
Copper	2.6 J	1.6 J	1.5 J	11 J	2 J	2.1 J
Lead	5.3	4 J	--	--	--	--
Mercury	0.06 J	--	0.04 J	0.25 J	0.06 J	3.7
Nickel	3.1 J	--	0.4 J	4.4 J	--	0.05 J
Selenium	--	--	--	--	--	1.9 J
Silver	--	--	--	--	--	--
Thallium	--	--	--	--	--	--
Tin	7.9 J	4.4 J	4.2 J	11.9 J	4.2 J	4.6 J
Vanadium	12.8	5.5 J	6.3 J	21.9 J	5.7 J	10.5

See notes at end of table.

Table 3-16 (Continued)
Organic and Inorganic Analytes Detected in Sediment Samples Collected at SWMU 4 and the Munitions Road Ditch System

Interim Measures Performance Specifications
Group I, SWMU 4, 49, and 50
U. S. Naval Station
Mayport, Florida

Analytical Batch Number:	MC040	M7628	MC040	MB982	MB982	MB982
Sample Location:	MPT-2-SD38	MPT-2-SD39	MPT-2-SD39	MPT-4-SD01	MPT-4-SD01	MPT-4-SD02
Sample Number:	02D03801	02SD039	02D03901	04D00101	04D00102	04D00202
Date Sampled:	4-OCT-96	29-JUL-94	04-OCT-96	30-SEP-96	30-SEP-96	30-SEP-96
Sample Depth (ft bls):	0 to 1	0 to 1	0 to 1	0 to 1	1 to 2	1 to 2
Inorganic Analytes (mg/kg) (continued)						
Zinc	16.1	17.7 J	10.5	54	15.7	16.8
Cyanide	--	--	--	--	--	--

Notes: SWMU = Solid Waste Management Unit.
ft bls = feet below land surface.
µg/kg = micrograms per kilogram.
-- = concentration of analyte, if present, was less than detection limit.
J = estimated value.
BHC = hexachlorocyclohexane.
4,4-DDD = dichlorodiphenyldichloroethane.
4,4-DDE = dichlorodiphenyldichloroethene.
4,4-DDT = dichlorodiphenyltrichloroethane.
mg/kg = milligrams per kilogram.

Table 3-17
Toxicity Characteristic Leaching Procedure Results (Inorganics) for Sediment Samples Collected at SWMU 4

Interim Measures Performance Specifications
Group I, SWMUs 4, 49, and 50
U. S. Naval Station
Mayport, Florida

Analytical Batch Number: Sample Location: Sample Number: Date Sampled: Sample Depth (ft bls):	Detection Limit	MB982 MPT-4-SD01 04D00101 30-SEP-96 0 to 1	MB982 MPT-4-SD01 04D00102 30-SEP-96 1 to 2	Regulatory Level[1] (µg/ℓ)
Inorganic Analytes (µg/ℓ)				
Arsenic	14.9	26.4	15.4	5.000
Barium	0.35	405	424	100.000
Cadmium	3.3	--	--	1.000
Chromium	2.2	--	--	5.000
Lead	15.7	--	--	5.000
Mercury	0.01	--	--	200
Selenium	29.4	--	--	1.000
Silver	2.2	--	--	5.000

[1] Toxicity Characteristic, 40 Code of Federal Regulations 261.24(b).

Notes: SWMU = Solid Waste Management Unit.
µg/ℓ = micrograms per liter.
ft bls = feet below land surface.
-- = concentration of analyte, if present, was less than detection limit.

Table 3-18
Summary of Chemicals Detected in Sediment Samples Collected at SWMU 4 and the Munitions Road Drainage Ditch System

Interim Measures Performance Specifications
Group I, SWMUs 4, 49, and 50
U.S. Naval Station
Mayport, Florida

Analyte	Frequency of Detection[1]	Reporting Limit Range	Detected Concentration Range	Mean of Detected Concentrations[2]	Background Screening Concentration[3]	Florida Sediment Quality Assessment Guidelines[4]	Frequency Above Sediment Quality Assessment Guidelines[5]	USEPA Sediment Screening Values[6]	Frequency Above Sediment Screening Values[7]
Volatile Organic Compounds (µg/kg)									
Acetone	7/22	10 to 112.5	[8]33.75 to 680	270	ND	NSC	NSC	NSC	NSC
2-Butanone	15/22	14 to 26	6 to 100	28.9	ND	NSC	NSC	NSC	NSC
Carbon disulfide	18/22	7 to 12	2 to 140	22.2	51	NSC	NSC	NSC	NSC
Chlorobenzene	4/22	6 to 36	10 to 24	16.5	ND	NSC	NSC	NSC	NSC
1,4-Dichlorobenzene	1/22	6 to 2,200	8	8	ND	NSC	NSC	NSC	NSC
1,2-Dichloroethene (total)	1/22	6 to 36	110	110	ND	NSC	NSC	NSC	NSC
Methylene chloride	1/22	6.5 to 36	7	7	ND	NSC	NSC	NSC	NSC
Toluene	1/22	6 to 36	3	3	3	NSC	NSC	NSC	NSC
Xylenes (total)	1/22	6 to 36	5	5	ND	NSC	NSC	NSC	NSC
Semivolatile Organic Compounds (µg/kg)									
Acenaphthene	2/21	150 to 2,200	150 to 430	290	ND	6.71	2/21	6.71	2/21
Benzo(a)anthracene	1/21	150 to 2,200	[8]425	425	ND	74.8	1/21	74.8	1/21
Benzo(b)fluoranthene	1/21	150 to 2,200	[8]360	360	ND	[10]655	0/21	[10]655	0/21
Benzo(k)fluoranthene	1/21	150 to 2,200	[8]365	365	ND	[10]655	0/21	[10]655	0/21
Benzo(g,h,i)perylene	1/21	150 to 2,200	[8]285	285	ND	[10]55	0/21	[10]655	0/21
Benzo(a)pyrene	1/21	150 to 2,200	[8]365	365	ND	88.8	1/21	88.8	1/21
Chrysene	1/21	150 to 2,200	[8]450	450	ND	108	1/21	108	1/21
Di-n-butylphthalate	1/21	150 to 2,200	340	340	62.3	NSC	NSC	NSC	NSC
Di-n-octylphthalate	1/21	150 to 2,200	130	130	ND	NSC	NSC	NSC	NSC

See notes at end of table.

Table 3-18 (Continued)
Summary of Chemicals Detected in Sediment Samples Collected at SWMU 4 and the Munitions Road Ditch System

Interim Measures Performance Specifications
Group 1, SWMUs 4, 49, and 50
U.S. Naval Station
Mayport, Florida

Analyte	Frequency of Detection[1]	Reporting Limit Range	Detected Concentration Range	Mean of Detected Concentrations[2]	Background Screening Concentration[3]	Florida Sediment Quality Assessment Guidelines[4]	Frequency Above Sediment Quality Assessment Guidelines[5]	USEPA Sediment Screening Values[6]	Frequency Above Sediment Screening Values[7]
Semivolatile Organic Compounds (µg/kg) (continued)									
bis(2-Ethylhexyl)phthalate	7/21	150 to 2,200	94 to 20,000	3,732	170	182	4/21	182	4/21
Fluoranthene	3/21	150 to 2,200	61 to [8]535	231	ND	113	1/21	113	1/21
Indeno(1,2,3-cd)pyrene	1/21	150 to 2,200	[8]285	285	ND	[10]655	0/21	[10]655	0/21
3- & 4-Methylphenol (2)	1/21	150 to 2,200	[8]920	920	ND	[9]312	1/21	[9]312	1/21
N-Nitrosodiphenylamine	1/21	150 to 2,200	[8]595	595	ND	NSC	NSC	NSC	NSC
Phenanthrene	1/21	150 to 2,200	[8]257	257	ND	86.7	1/21	86.7	1/21
Pyrene	4/21	150 to 2,200	67 to [8]520	282	282	153	2/21	153	2/21
Pesticide Compounds (µg/kg)									
alpha-BHC	1/22	1 to 16	[8]557	558	ND	NSC	NSC	NSC	NSC
beta-BHC	1/22	2 to 31	[8]319	320	ND	NSC	NSC	NSC	NSC
delta-BHC	1/22	1 to 16	[8]262	263	ND	NSC	NSC	NSC	NSC
gamma-BHC (Lindane)	1/22	1 to 16	[8]657	658	ND	0.32	1/22	0.32	1/22
Chlordane	1/22	10 to 160	[8]11,575	11,575	ND	0.5	1/22	0.5	1/22
4,4-DDD	1/22	2 to 31	[8]4,714	4,715	4.2	1.22	1/22	1.22	1/22
4,4-DDE	1/22	1 to 16	[8]607	608	5.5	2.07	1/22	2.07	1/22
4,4-DDT	1/22	2 to 31	[8]5,014	5,015	0.8	1.19	1/22	1.19	1/22
Endrin	1/22	2 to 31	[8]1,614	1,615	ND	0.02	1/22	0.02	1/22
Endrin ketone	1/22	2 to 31	[8]504	505	ND	NSC	NSC	NSC	NSC

See notes at end of table.

Table 3-18 (Continued)
Summary of Chemicals Detected in Sediment Samples Collected at SWMU 4 and the Munitions Road Ditch System

Interim Measures Performance Specifications
Group I, SWMUs 4, 49, and 50
U.S. Naval Station
Mayport, Florida

Analyte	Frequency of Detection[1]	Reporting Limit Range	Detected Concentration Range	Mean of Detected Concentrations[2]	Background Screening Concentration[3]	Florida Sediment Quality Assessment Guidelines[4]	Frequency Above Sediment Quality Assessment Guidelines[5]	USEPA Sediment Screening Values[6]	Frequency Above Sediment Screening Values[7]
Inorganic Analytes (mg/kg)									
Antimony	1/22	0.43 to 2.1	[B]0.815	0.82	ND	NSC	NSC	2	0/21
Arsenic	12/22	2.2 to 9.1	[B]0.59 to 11.9	6.1	5.4	7.24	5/21	7.24	5/21
Barium	20/22	4.15 to 5.7	2.2 to 51	15.6	13.6	NSC	NSC	NSC	NSC
Beryllium	22/22	NA	0.08 to 0.86	0.36	0.38	NSC	NSC	NSC	NSC
Cadmium	2/22	0.49 to 2.4	1.3 to 2.9	2.1	1.14	0.676	1/22	0.676	1/22
Chromium	22/22	NA	2 to 27.3	13.3	13.8	52.3	0/22	52.3	0/22
Cobalt	20/22	0.67 to 0.89	0.28 to 7.2	2.5	2.6	NSC	NSC	NSC	NSC
Copper	22/22	0.495	0.47 to 19.8	7.4	6.8	18.7	1/22	18.7	1/22
Lead	16/22	2.25 to 9.6	[B]3.25 to [B]20.9	9.6	9.2	30.2	0/22	30.2	0/22
Mercury	15/22	0.03 to 0.16	0.04 to 0.4	0.15	0.76	0.13	0/22	0.13	0/22
Nickel	18/22	0.18 to 2.65	[B]0.295 to [B]35.2	6.9	11.6	15.9	1/22	15.9	1/22
Selenium	6/22	0.255 to 18	[B]0.45 to 1.4	1	1.1	NSC	NSC	NSC	NSC
Silver	3/22	0.33 to 1.6	[B]0.625 to 2.4	1.5	ND	0.733	2/22	0.733	2/22
Thallium	3/22	0.29 to 1.2	[B]0.53 to 1.2	0.78	1.24	NSC	NSC	NSC	NSC
Tin	21/22	6.2 to 6.2	3 to [B]20.65	7.8	13.8	NSC	NSC	NSC	NSC
Vanadium	22/22	NA	[B]1.8 to 49.1	17.6	13.4	NSC	NSC	NSC	NSC
Zinc	22/22	NA	4.7 to 103	37.9	23.6	124	0/22	124	0/22
Cyanide	7/22	0.13 to 0.54	0.16 to 0.66	0.33	ND	NSC	NSC	NSC	NSC

See notes at end of table.

Table 3-18 (Continued)
Summary of Chemicals Detected in Sediment Samples Collected at SWMU 4 and the Munitions Road Ditch System

Interim Measures Performance Specifications
Group I, SWMUs 4, 49, and 50
U.S. Naval Station
Mayport, Florida

[1] Frequency of detection is the number of environmental samples in which the analyte was detected over the total number of environmental samples analyzed (excluding rejected values). An environmental sample and duplicate were considered one sample.
[2] The mean of detected concentrations is the arithmetic mean of all samples in which the analyte was detected. It does not include those samples with "R", "U", or "UJ" validation qualifiers.
[3] 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. Average detected organic concentration values are provided for comparison purposes only.
[4] Values are from "Approach to the Assessment of Sediment Quality in Florida Coastal Waters." (MacDonald Environmental Services, 1994).
[5] Frequency of detection is the number of samples in which the analyte was detected at a concentration exceeding both the background screening concentration (for inorganics only) and the value reported in "Assessment of Sediment Quality in Florida Coastal Waters." (MacDonald Environmental Services, 1994).
[6] Vales are the "effects values" provided in USEPA Region IV Supplemental Guidance to Risk Assessment Guidance for Superfund (RAGS). (USEPA, 1995).
[7] Frequency of detection is the number of samples in which the analyte was detected at a concentration exceeding both the background screening concentration (for inorganics only) and the value reported in "USEPA Region IV Supplemental Guidance to RAGS." (USEPA, 1995).
[8] The value is the average of a sample and its duplicate. For duplicate samples having one nondetect value, one-half of the contract-required quantification limit/contract-required detection limit is used as a surrogate concentration for the nondetect concentration.
[9] The values is based on USEPA Effects Value for Low Molecular Weight Polynuclear Aromatic Hydrocarbons (PAHs) and Florida Threshold Effect Level (TEL) for Low Molecular Weight PAHs.
[10] The value is based on USEPA Effects Value for High Molecular Weight PAHs and Florida TEL for High Molecular Weight PAHs.

Notes: Environmental samples: 02D02001, 02D02601, 02D02801, 02D03101, 02D03301, 02D03401, 02D03801, 02D03901, 02SD017, 02SD020, 02SD023, 02SD026, 02SD028, 02SD031, 02SD032, 02SD033, 02SD034, 02SD038, 02SD039, 02400101, 04D00102, and 04D00202. Analytical results are provided in Table 3-16.
Environmental sample duplicates: 02D02001D, 02D03401D, 02SD020D, 02SD031D, and 02SD038D.
Background samples: 00SD001, 0BD00501, MPT-B-SD-1, MPT-B-SD-2, MPT-B-SD-3, MPTBSD4, MPTBSD5, MPTBSD6, and MPTBSD7.
Background sample duplicate: MPT-B-SD-3D and MPTBSD7D.
The average of an environmental or background sample and its duplicate, if collected, is used in all calculations.
Please refer to Appendix C for analytical results of the background samples.

SWMU = Solid Waste Management Unit.
USEPA = U.S. Environmental Protection Agency.
μg/kg = micrograms per kilogram.
ND = not detected in background sediment samples.
NSC = no screening concentration available.
DDD = dichlorodiphenyldichloroethane.
DDE = dichlorodiphenyldichloroethene.
DDT = dichlorodiphenyltrichloroethane.
BHC = hexachlorocyclohexane.
mg/kg = milligrams per kilogram.
NA = not applicable.

n-nitrosodiphenylamine, and phenanthrene), and the pesticides were detected in less than 5 percent of the samples (i.e., detected at a frequency of 1 in 21 sediment samples).

SVOCs that were detected at concentrations exceeding their respective FDEP and USEPA screening criteria were 3- and 4- methylphenol, acenaphthene, benzo(a)pyrene, benzo(b)fluoranthene, chrysene, fluoranthene, pyrene, and bis-2-ethylhexyl)-phthalate. Pesticides that were detected at concentrations that exceeded their respective FDEP and USEPA screening criteria were 4,4'-DDD, 4,4'-DDE, 4,4'-DDT, chlordane, endrin, and gamma-BHC (Lindane).

The inorganic analytes detected in the sediment samples were compared to background screening values, FDEP TELs, and USEPA effects levels (Table 3-18). Concentrations of arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, nickel, selenium, tin, vanadium, and zinc were detected at concentrations that exceed background screening values. Antimony, silver, and cyanide were detected in the SWMU 4 sediment samples but not in background samples.

Arsenic, cadmium, copper, nickel and silver were detected at concentrations that exceed FDEP TELs and USEPA effects levels (Table 3-18). Arsenic was detected in only one of the samples (MPT-2-SD33) collected in 1996; the concentration did not exceed the FDEP TEL, and USEPA effects level. Cadmium and silver were detected only in sediment samples collected in 1994. Copper and nickel were detected in sediment samples collected in 1994 and 1996, but only the samples collected in 1994 contained the chemicals at concentrations that exceed their respective FDEP TELs and USEPA effects levels.

3.3.3 Biological Testing Results Fourteen-day biological testing was conducted with sediment collected from sampling locations at SWMU 4 and the Munitions Road drainage ditch system in September 1994 and 1996 (Table 3-19). The marine amphipod *Ampelisca abdita* was used in each of the survival tests. Survival percentages for the samples collected in 1994 ranged from 23 to 100 percent and 54 to 98 percent for samples collected in 1996. The survival percentage for the 1994 laboratory-created control samples ranged from 86 to 99 percent. The survival percentage for the 1996 laboratory-created control samples ranged from 91 to 96 percent and 79 percent for background sampling location MPT-B-SD05.

Table 3-19 also lists chemicals and concentrations detected in the four samples that do not have a TEL or effects value, that exceeded their respective TEL and effects value, and that exceeded background screening concentrations.

Table 3-19 (Continued)
Summary of Toxicity Tests and Organic and Inorganic Analytes Detected in Sediment Samples from SWMU 4 and the Munitions Road Ditch System

Interim Measures Performance Specifications
Group I, SWMUs 4, 49, and 50
U. S. Naval Station
Mayport, Florida

Analytical Batch Number:	M7635	MC040	M7616	M7616	MC040	M7628	MC040
Sample Location:	MPT-2-SD28	MPT-2-SD28	MPT-2-SD31	MPT-2-SD31	MPT-2-SD31	MPT-2-SD32	MPT-2-SD33
Sample Number:	02SD028	02D02801	02SD031	02SD031DUP	02D03101	02SD032	02D03301
Date Sampled:	31-JUL-94	2-OCT-96	28-JUL-94	28-JUL-94	04-OCT-96	29-JUL-94	3-OCT-96
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
Inorganic Analytes (mg/kg)							
Arsenic	8.8 J	--	--	--	--	--	--
Barium	19.3 J	--	--	--	--	22.7 J	--
Beryllium	0.65 J	--	--	--	--	0.86 J	--
Cadmium	--	--	--	--	--	--	--
Cobalt	4.5 J	--	--	--	0.28 J	7.2 J	0.98 J
Copper	11 J	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--
Selenium	--	--	--	--	--	1.4 J	--
Silver	--	--	--	--	--	1.5 J	--
Thallium	--	--	--	--	--	--	--
Tin	9 J	--	--	--	--	--	--
Vanadium	32.8 J	16	--	--	--	28.3	12.5
Cyanide	0.29 J	--	--	--	--	--	--

See notes at end of table.

Table 3-19 (Continued)
Summary of Toxicity Tests and Organic and Inorganic Analytes Detected in Sediment Samples from SWMU 4 and the Munitions Road Ditch System

Interim Measures Performance Specifications
Group I, SWMUs 4, 49, and 50
U. S. Naval Station
Mayport, Florida

Analytical Batch Number:	M7635	MC031	MC031	M7637	M7637	MC040	MC040
Sample Location:	MPT-2-SD34	MPT-2-SD34	MPT-2-SD34	MPT-2-SD38	MPT-2-SD38	MPT-2-SD38	MPT-2-SD39
Sample Number:	02SD034	02D03401	02D03401DUP	02SD038	02SD038DUP	02D03801	02D03901
Date Sampled:	30-JUL-94	3-OCT-96	3-OCT-96	1-AUG-94	1-AUG-94	4-OCT-96	04-OCT-96
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
Toxicity Testing Summary							
Survival percentage	33	54		78		73	95
Number of deaths	54	17		18		12	5
Salinity during testing (°/₀₀)	21 to 25	18		19 to 21		18	5
Sediment salinity (°/₀₀)	NR	18		NR		21	5
Water column salinity (°/₀₀)	20	0.55	0.55	23	23	0.71	3
Volatile Organic Compounds (µg/kg)							
Acetone	110 J	390	--	--	--	--	--
2-Butanone	13 J	69 J	31 J	11 J	8 J	--	--
Carbon disulfide	18	47	47	3 J	5 J	4 J	--
Chlorobenzene	--	--	--	--	--	--	24
1,4-Dichlorobenzene	--	--	--	--	--	--	8 J
1,2-Dichloroethene	--	--	--	--	--	--	--
Methylene chloride	--	--	--	--	--	--	--
Toluene	--	--	--	--	--	--	--
Xylenes	--	--	--	--	--	--	--
Semivolatile Organic Compounds (µg/kg)							
Acenaphthene	--	--	--	--	--	--	--
Benzo(a)anthracene	--	--	--	--	--	--	--

See notes at end of table.

Table 3-19 (Continued)
Summary of Toxicity Tests and Organic and Inorganic Analytes Detected in Sediment Samples from SWMU 4 and the Munitions Road Ditch System

Interim Measures Performance Specifications
Group I, SWMUs 4, 49, and 50
U. S. Naval Station
Mayport, Florida

Analytical Batch Number:	M7635	MC031	MC031	M7637	M7637	MC040	MC040
Sample Location:	MPT-2-SD34	MPT-2-SD34	MPT-2-SD34	MPT-2-SD38	MPT-2-SD38	MPT-2-SD38	MPT-2-SD39
Sample Number:	02SD034	02D03401	02D03401DUP	02SD038	02SD038DUP	02D03801	02D03901
Date Sampled:	30-JUL-94	3-OCT-96	3-OCT-96	1-AUG-94	1-AUG-94	4-OCT-96	04-OCT-96
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
Semivolatile Organic Compounds (µg/kg) (continued)							
Benzo(a)pyrene	--	--	--	--	--	--	--
Chrysene	--	--	--	--	--	--	--
Di-n-butylphthalate	--	--	--	--	--	--	--
Di-n-octylphthalate	--	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	--	5,000 J	1,200 J	--	--	--	--
Fluoranthene	--	--	--	--	--	--	--
3 & 4-Methylphenol	--	--	--	--	--	--	--
N-Nitrosodiphenylamine	--	440 J	--	--	--	--	--
Phenanthrene	--	--	--	--	--	--	--
Pyrene	--	180 J	--	--	--	--	--
Pesticide Compounds (µg/kg)							
alpha-BHC	--	1,100 J	--	--	--	--	--
beta-BHC	--	610 J	--	--	--	--	--
delta-BHC	--	510 J	--	--	--	--	--
gamma-BHC (Lindane)	--	1,300 J	--	--	--	--	--
Chlordane	--	23,000 J	--	--	--	--	--
4,4-DDD	--	9,400 J	--	--	--	--	--
4,4-DDE	--	1,200 J	--	--	--	--	--
4,4-DDT	--	10,000 J	--	--	--	--	--
Endrin	--	3,200 J	--	--	--	--	--
Endrin Ketone	--	980 J	--	--	--	--	--

See notes at end of table.

Table 3-19 (Continued)
Summary of Toxicity Tests and Organic and Inorganic Analytes
Detected in Sediment Samples from SWMU 4 and the Munitions Road Ditch System

Interim Measures Performance Specifications
Group I, SWMUs 4, 49, and 50
U. S. Naval Station
Mayport, Florida

Analytical Batch Number:	M7635	MC031	MC031	M7637	M7637	MC040	MC040
Sample Location:	MPT-2-SD34	MPT-2-SD34	MPT-2-SD34	MPT-2-SD38	MPT-2-SD38	MPT-2-SD38	MPT-2-SD39
Sample Number:	02SD034	02D03401	02D03401DUP	02SD038	02SD038DUP	02D03801	02D03901
Date Sampled:	30-JUL-94	3-OCT-96	3-OCT-96	1-AUG-94	1-AUG-94	4-OCT-96	04-OCT-96
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
Inorganic Analytes (mg/kg)							
Arsenic	7.6 J	--		--	--	--	--
Barium	27.4 J	20.1 J	--	20.1 J	18.9 J	--	--
Beryllium	0.58 J	--	--	0.72 J	0.63 J	--	--
Cadmium	--	--	--	--	--	--	--
Cobalt	3 J	0.7 J	0.49 J	3.9 J	3.7 J	1.4 J	0.63 J
Copper	--	--	--	--	--	--	--
Nickel	--	--	--	63.2	--	--	--
Selenium	1.4 J	--	--	--	--	--	--
Silver	--	--	--	--	0.85 J	--	--
Thallium	--	--	--	--	--	--	--
Tin	--	--	--	35.6	--	--	--
Vanadium	24.9 J	--	--	29.1	25.6	--	--
Cyanide	0.34 J	--	--	0.22 J	0.16 J	--	--

See notes at end of table.

Table 3-19 (Continued)
Summary of Toxicity Tests and Organic and Inorganic Analytes Detected in Sediment Samples from SWMU 4 and the Munitions Road Ditch System

Interim Measures Performance Specifications
Group I, SWMU 4, 49, and 50
U. S. Naval Station
Mayport, Florida

Analytical Batch Number:	MB982	MB982	MB982	Background Screening Concentration[1]	Lowest Screening Concentration[2]
Sample Location:	MPT-4-SD01	MPT-4-SD01	MPT-4-SD02		
Sample Number:	04D00101	04D00102	04D00202		
Date Sampled:	30-SEP-96	30-SEP-96	30-SEP-96		
Sample Depth (ft bls):	0 to 1	1 to 2	1 to 2		
Toxicity Testing Summary					
Survival percentage	94	98	95	NA	NA
Number of deaths	7	5	5	NA	NA
Salinity during testing (°/oo)	5	5	5	NA	NA
Sediment salinity (°/oo)	9	7	7	NA	NA
Water column salinity (°/oo)	1.07	NM	NM	NA	NA
Volatile Organic Compounds (µg/kg)					
Acetone	380	--	--	ND	NSC
2-Butanone	76	11 J	18 J	ND	NSC
Carbon disulfide	37	9 J	2 J	51	NSC
Chlorobenzene	10 J	--	10	ND	NSC
1,4-Dichlorobenzene	--	--	--	ND	NSC
1,2-Dichloroethene	110	--	--	ND	NSC
Methylene chloride	--	--	--	ND	NSC
Toluene	--	--	--	3	NSC
Xylenes	--	--	5 J	ND	NSC
Semivolatile Organic Compounds (µg/kg)					
Acenaphthene	--	150 J	--	ND	6.71
Benzo(a)anthracene	--	--	--	ND	74.8

See notes at end of table.

Table 3-19 (Continued)
Summary of Toxicity Tests and Organic and Inorganic Analytes Detected in Sediment Samples from SWMU 4 and the Munitions Road Ditch System

Interim Measures Performance Specifications
Group I, SWMU 4, 49, and 50
U. S. Naval Station
Mayport, Florida

Analytical Batch Number:	MB982	MB982	MB982	Background Screening Concentration[1]	Lowest Screening Concentration[2]
Sample Location:	MPT-4-SD01	MPT-4-SD01	MPT-4-SD02		
Sample Number:	04D00101	04D00102	04D00202		
Date Sampled:	30-SEP-96	30-SEP-96	30-SEP-96		
Sample Depth (ft bls):	0 to 1	1 to 2	1 to 2		
Semivolatile Organic Compounds (µg/kg) (continued)					
Benzo(a)pyrene	--	--	--	ND	88.8
Chrysene	--	--	--	ND	108
Di-n-butylphthalate	--	--	--	62.3	NSC
Di-n-octylphthalate	2,600	--	--	ND	NSC
bis(2-Ethylhexyl)phthalate	--	--	--	170	182
Fluoranthene	--	--	--	ND	113
3 & 4-Methylphenol	--	--	--	ND	312
N-Nitrosodiphenylamine	--	--	--	ND	NSC
Phenanthrene	--	--	--	ND	88.7
Pyrene	--	--	--	282	153
Pesticide Compounds (µg/kg)					
alpha-BHC	--	--	--	ND	NSC
beta-BHC	--	--	--	ND	NSC
delta-BHC	--	--	--	ND	NSC
gamma-BHC (Lindane)	--	--	--	ND	0.32
Chlordane	--	--	--	ND	0.5
4,4-DDD	--	--	--	4.2	1.22
4,4-DDE	--	--	--	5.5	2.07
4,4-DDT	--	--	--	0.8	1.19
Endrin	--	--	--	ND	0.02
Endrin Ketone	--	--	--	ND	NSC

See notes at end of table.

Table 3-19 (Continued)
Summary of Toxicity Tests and Organic and Inorganic Analytes Detected in Sediment Samples from SWMU 4 and the Munitions Road Ditch System

Interim Measures Performance Specifications
Group I, SWMU 4, 49, and 50
U. S. Naval Station
Mayport, Florida

Analytical Batch Number:	MB982	MB982	MB982	Background Screening Concentration[1]	Lowest Screening Concentration[2]
Sample Location:	MPT-4-SD01	MPT-4-SD01	MPT-4-SD02		
Sample Number:	04D00101	04D00102	04D00202		
Date Sampled:	30-SEP-96	30-SEP-96	30-SEP-96		
Sample Depth (ft bls):	0 to 1	1 to 2	1 to 2		
Inorganic Analytes (mg/kg)					
Arsenic	--	--	--	5.4	7.24
Barium	15.9 J	--	--	13.6	NSC
Beryllium	0.21 J	--	--	0.38	NSC
Cadmium	--	--	--	1.14	0.676
Cobalt	--	--	--	26.6	NSC
Copper	--	--	--	6.8	18.7
Nickel	--	--	--	11.6	15.9
Selenium	--	--	1.9 J	1.1	NSC
Silver	--	--	--	ND	0.733
Thallium	--	--	--	1.24	NSC
Tin	--	--	--	13.8	NSC
Vanadium	21.9 J	--	--	13.4	NSC
Cyanide	--	--	--	ND	NSC

See notes at end of table.

Table 3-19 (Continued)
Summary of Toxicity Tests and Organic and Inorganic Analytes Detected in Sediment Samples from SWMU 4 and the Munitions Road Ditch System

Interim Measures Performance Specifications
Group I, SWMU 4, 49, and 50
U. S. Naval Station
Mayport, Florida

[1] 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. Average detected organic concentration values are provided for comparison purposes only. Background screening concentration is presented in Appendix B.
[2] Values are the lower of either Threshold Effects Levels from "Approach to the Assessment of Sediment Quality in Florida Coastal Waters" (Florida Department of Environmental Protection, 1994) or the "effects values" provided in U.S. Environmental Protection Agency (USEPA) Region IV Supplemental Guidance to RAGS. (USEPA, 1995).

Notes: SWMU = Solid Waste Management Unit.
ft bls = feet below land surface.
% = percent.
NR = not reported.
µg/kg = micrograms per kilogram.
J = estimated value.
-- = concentration of analyte, if present, was less than detection limit, background screening concentration, and screening value.
BHC = hexachlorocyclohexane.
DDE = dichlorodiphenyldichloroethene.
DDD = dichlorodiphenyldichloroethane.
DDT = dichlorodiphenyltrichloroethane.
mg/kg = milligrams per kilogram.
NM = not measured.
ND = not detected in background samples.
NSC = no screening concentration available.
RAGS = Risk Assessment Guidance for Superfund.

4.0 IM PERFORMANCE SPECIFICATION EVALUATION

This chapter provides an ecological risk evaluation based on the laboratory analytical results and biological testing and an evaluation of whether or not an IM is warranted at SWMU 49, Flight Line Retention Pond, the two settling ponds associated with SWMU 50, and SWMU 4, as well as the interconnecting ditch system in the vicinity of the munitions storage area. Also included is a brief discussion of applicable remedial alternatives, if applicable.

4.1 SWMU 49, FLIGHT LINE RETENTION PONDS. Below is an evaluation of surface water and sediment samples collected at SWMU 49.

Surface Water. Surface water contained in SWMU 49 ponds would be classified as predominantly freshwater according to State of Florida surface water criterion (FAC 62-302). The SWMU 49 ponds discharge to a drainage ditch that would be classified as a Class III, predominantly marine water body (ABB-ES, 1995).

Organic analytes, if present, were not detected at concentrations exceeding detection limits in the surface water samples collected in 1992, 1994, and 1996. Four inorganic target analytes (beryllium, cadmium, lead, and mercury) were detected at concentrations greater than regulatory screening concentrations in surface water samples collected in 1994 (Table 3-3). These analytes were not detected in surface water samples collected in 1996. None of the other inorganic target analytes detected in 1996 surface water samples contained inorganic chemicals at concentrations greater than the regulatory screening concentration. The USEPA screening values "are intended to protect 95 percent of the species, 95 percent of the time" (USEPA, 1995).

Comparison of the target analysis detected in 1992, 1994, and 1996 to the analytes evaluated during the ecological baseline risk assessment for the Group I SWMUs 2, 3, 4, 5, and 13 (ABB-ES, 1996) suggests that the chemical concentrations detected in SWMU 49 surface water samples are lower than those evaluated during the RFI. The ecological risk assessment determined that there was not a risk to terrestrial and aquatic receptors to exposure to surface water in ditches adjacent to the SWMUs.

Comparison of the analytical results to regulatory screening criteria and the ecological baseline risk assessment suggests that surface water contained in SWMU 49 does not impair or prevent reproduction, growth, and survival of terrestrial and aquatic receptors.

Based on the above evaluation, neither additional investigative activities nor an IM under the RCRA corrective action program for NAVSTA Mayport appears to be warranted for SWMU 49 surface water.

Sediment. Twenty-one sediment samples have been collected from SWMU 49 in sampling events conducted during 1992, 1994, and 1996. Six VOCs, 11 SVOCs, 3 pesticides, and 13 inorganic analytes have been detected in these samples at concentrations above Florida TEL or USEPA screening values (Table 3-5).

Fourteen-day biological (survival) tests were performed on four sediment samples (MPT-49-SD18 through MPT-49-SD21) collected in 1996 from SWMU 49. Survival rates

for the amphipods placed in the SWMU 49 sediment samples were similar to the laboratory control samples and had a higher percentage of survival relative to the background sample (Table 3-6) (Plate 2). The biological testing results suggest that the cumulative toxicity effect of chemicals detected in SWMU 49 sediment samples does not appear to adversely impair the survival rates of the test species (*Hyalella azteca*).

Organic and inorganic chemicals are present at concentrations that exceed FDEP TELs and USEPA effects levels. The combination and concentration of chemicals detected and compared to the screening criteria (MacDonald, 1994 and USEPA, 1995b) suggest that adverse biological effects are possible. However, the biological (survival) testing results do not provide evidence that support the occurrence of adverse biological effects.

Based on the above evaluation, neither additional investigative activities nor an IM under the RCRA corrective action program for NAVSTA Mayport appears to be warranted for SWMU 49 sediment.

4.2 SWMU 50. Below is an evaluation of surface water and sediment samples collected from the settling ponds located on SWMU 50, the Western and Eastern Dredge Material Holding Areas.

Surface Water. The surface water in both the eastern and western ponds would be classified as predominantly marine water according to Florida Surface Water Quality Standards (FAC 62-302). The SWMU 50 ponds discharge to a drainage ditch that would be classified as a Class III, predominantly marine water body (ABB-ES, 1995).

During a dredging event in 1994, chloride was detected 15,600 mg/ℓ, and a salinity measurement of 20 parts per thousand was made at sampling location MPT-2-SW36 in the western settling pond. Approximately 2 years after the dredging event, chloride was detected at 7,980 and 9,630 mg/ℓ, and salinity was measured at 1.76 and 1.87 in surface water samples collected from the eastern and western settling ponds, respectively. The difference between the 1994 and 1996 chloride and salinity measurements demonstrates that surface water runoff from the Western and Eastern Dredge Material Holding Areas into their sediment settling ponds is becoming less similar to sea water with time following a dredging event.

Organic target analytes, if present, were not detected at concentrations exceeding the detection limits in surface water samples collected during either the 1994 or 1996 sampling events. Three inorganic analytes (mercury, selenium, and cyanide) were detected in surface water samples at concentrations greater than regulatory screening concentrations. Mercury and selenium were detected at concentrations exceeding the screening criteria in surface water samples collected in 1994. Concentrations of mercury and selenium, if present, did not exceed detection limits in samples collected in 1996.

Cyanide was the only target analyte detected in the surface water samples collected in 1996 at a concentration greater than the regulatory screening concentration. Cyanide was detected at a concentration of 5.3 micrograms per liter (μg/ℓ). The Florida Surface Water Quality Standard and USEPA screening value for cyanide is 5.2 μg/ℓ.

Comparison of the target analysis detected in 1992, 1994, and 1996 to the analytes evaluated during the ecological baseline risk assessment for the Group I SWMUs 2, 3, 4, 5, and 13 (ABB-ES, 1996) suggests that the chemical concentrations detected in SWMU 50 surface water samples are lower than those evaluated during the RFI. The ecological risk assessment determined that there was not a risk to terrestrial and aquatic receptors to exposure to surface water in ditches adjacent to the SWMUs.

Comparison of the analytical results to regulatory screening criteria and the ecological baseline risk assessment suggests that surface water contained in SWMU 49 does not impair or prevent reproduction, growth, and survival of terrestrial and aquatic receptors.

Based on the above evaluation, neither additional investigative activities nor an IM under the RCRA corrective action program for NAVSTA Mayport appears to be warranted for SWMU 50 surface water.

Sediment. One SVOC (bis(2-ethylhexyl)phthalate) and two inorganics (arsenic and silver) were detected in sediment samples at concentrations greater than their respective regulatory screening concentrations (Table 3-11). The screening values "represent a preliminary screening of site contaminant levels to determine if there is a need to conduct further investigation at the site. . . .[they] are intended to protect 95 percent of the species, 95 percent of the time" (USEPA, 1995).

The highest detected concentrations of bis(2-ethylhexyl)phthalate, arsenic, and silver were also compared (Table 4-1) to Florida's PEL. The PEL defines the lower limit of the range of contaminant concentrations that are usually or always associated with adverse biological effects (MacDonald, 1994). The highest detected concentration of bis(2-ethylhexyl)phthalate and arsenic (detected in the sample [MPT-50-SD14] collected from the eastern settling pond in 1996 and 1994, respectively) were less than the PEL. The highest detected concentration of silver (detected as a single occurrence in the sediment sample [MPT-50-SD13] collected from the western settling pond in 1996) approached but did not exceed the PEL.

Currently, regulatory screening concentrations have not been established for the four VOCs (acetone, 2-butanone, carbon disulfide, and methylene chloride) detected and six of the inorganic analytes (barium, beryllium, cobalt, selenium, tin, and cyanide) (Table 3-11). The lack of a regulatory screening concentration is an uncertainty. The uncertainty is a lack of knowledge for the concentration(s) that may pose a risk to aquatic or benthic receptors.

Biological testing was performed on each of the sediment samples collected in 1996 from the western and eastern settling ponds (Plate 2). The biological testing survival percentage for the western and eastern settling pond sediment was 44 and 90 percent, respectively. The survival rate for the marine amphipods placed in the western settling pond sediment sample was less than laboratory control and background samples (Table 3-12). Survival rates for the marine amphipods placed in the eastern settling pond sediment samples were similar to the laboratory control samples and had a higher percentage of survival relative to the background sample (Table 3-12).

Table 4-1
Threshold Effects Levels and Probable Effects Levels Compared to Highest Concentrations Detected in SWMU 50 Sediment Samples

Interim Measure Performance Specifications
Group I, SWMUs 4, 49, and 50
U. S. Naval Station
Mayport, Florida

Analyte	Threshold Effects Level[1] (µg/kg)	Probable Effects Level[1] (µg/kg)	Highest Concentration Detected (µg/kg)
Arsenic	7.24	41.6	10.9
bis(2-Ethylhexyl)phthalate	182	2,647	620
Silver	0.733	1.77	1.1

[1] Values from "Approach to the Assessment of Sediment Quality in Florida Coastal Waters" (Florida Department of Environmental Protection, 1994).

Notes: SWMU = Solid Waste Management Unit.
µg/kg = micrograms per kilogram.

The biological testing does not identify the analyte or combination of analytes responsible for the difference in the biological test results (USEPA, 1992). However, there were some differences in the analytes detected in the sediment samples collected in 1994 and 1996. The differences were the combination and concentrations of volatile organic compounds, the concentrations of the SVOC, bis(2-ethylhexyl)phthalate, and the concentrations of inorganics, tin and silver (Tables 3-10 and 3-12). Three of the analytes--arsenic, bis(2ethylhexyl)-phthalate, and silver--were detected at concentrations that exceed the regulatory screening criteria (Table 4-1).

Arsenic was detected at a concentration that exceeded the regulatory screening criteria only in the sample collected in 1994. The sediment sample collected from the western pond, MPT-50-SD14, contained bis(2-ethylhexyl)phthalate at a concentration that exceeded the screening benchmark and had a 90 percent survival rate for the biological survival testing. The sediment sample collected from the eastern pond, MPT-50-SD13, contained silver at a concentration that exceeded the screening benchmark and had a 44 percent survival rate for the biological survival testing.

The biological (survival) testing assumes that the behavior of chemicals in test sediment in the laboratory is similar to that in natural *in situ* sediments (USEPA, 1992). During the testing of the sediment samples the salinity of the pore fluids were similar to the tested salinity for sample MPT-50-SD14, but the salinity of the water used to test sample MPT-50-SD13 was higher than the sample pore water salinity (Table 3-12). The salinity of the water used during the test was also much higher than the salinity of the overlying water measured at both of the sampling locations. Additionally, the dissolved oxygen measured at sampling location MPT-50-SD14 was 12 mg/ℓ and ranged from 7.3 to 8.2 mg/ℓ during the biological survival testing. Dissolved oxygen at MPT-15-SD13 was 2.7 mg/ℓ at the sampling location and was 6.5 to 7.6 mg/ℓ during the biological survival testing. The pH of the overlying water at sampling location MPT-50-SD13 (8.4 standard units) was similar to the overlying waters during the biological (survival) test (7.8 to 8.4 standard units). The pH of the overlying water at sampling location MPT-50-SD14 (9.5 standard units) was dissimilar to overlying water during the biological survival test (7.8 to 8.1 standard units).

Also, it is has been documented that anoxic conditions develop in sediment for an extended time period as a result of the lack of bioturbation when infaunal organisms are killed by anoxic overlying waters, or by a bacterial blanket resulting from eutrophication (Carr, et al., 1996). The lack of bioturbation prevents the flushing of ammonia and sulfides.

Measurement of the salinity, dissolved oxygen, and pH of overlying waters in the field and prior to and after the biological (survival) testing suggest that the test was not similar to the natural conditions. Additionally, infield measurements of pH and the oxidation reduction potential for the sediment samples were not measured. Because chemical analytical testing of the overlying waters or sediment was not conducted prior to or after the biological (survival) test, it is not known if there were differences in the bioavailability of analytes detected in the sediment samples (Table 3-10) as a result in changing the geochemical environment of the sediment samples. Small changes in the pH and oxidation reduction potential of sediments may increase or decrease the bioavailability of metals (Jackson, et al., 1993).

Organic and inorganic chemicals are present in the eastern settling pond at concentrations that exceed FDEP TELs and USEPA effects levels. The combination and concentration of chemicals detected and compared to the screening criteria (MacDonald, 1994 and USEPA, 1995b) suggest that adverse biological effects are possible. However, the biological (survival) testing results for the eastern settling pond do not provide evidence that support the occurrence of adverse biological effects.

The survival percentage for the sediment sample location in the western pond suggests that the combinations and concentrations of the chemicals would be expected to adversely impair or prevent reproduction, growth, and survival of benthic and aquatic receptors. However, there is uncertainty associated with the fact that the population size may not accurately predict the occurrence of adverse biological effects.

Additionally, mortality of aquatic and benthic species is expected to occur as a result of the transition from marine to brackish and fresh waters occurs at the Western and Eastern Dredge Material Holding Areas. During the next dredging event, the transition to a freshwater environment will be nullified, and mortality of freshwater species that have developed will occur. Currently, the Western and Eastern Dredge Material Holding Areas are full. Future use of these two areas assumes that the dredge material will be removed from the Western and Eastern Dredge Material Holding Areas.

Based on the above evaluation, neither additional investigative activities nor an IM under the RCRA corrective action program for NAVSTA Mayport appears to be warranted for SWMU 49 sediment. Also, the Western and Eastern Dredge Material Holding Areas are functioning as intended under the Section 404 of the CWA.

4.3 SWMU 4. Below is an evaluation of surface water and sediment samples collected from SWMU 4 and the Munitions Road drainage ditch system.

Surface Water. The surface water in both the drainage ditches would be classified as predominantly marine water according to Florida Surface Water Quality Standards (FAC 62-302). However, analytical results for chloride suggest that freshwater exists at the location of two samples (MPT-2-SW31 and MPT-2-SW39) collected in 1996. The sampling locations are near the confluence of the ditch bisecting SWMU 4 and the Patrol Road drainage ditch. The SWMU 4, Munitions Road, and Patrol Road drainage ditches discharge to surface water bodies that would be classified as a Class III, predominantly marine water body (ABB-ES, 1995).

Average concentrations of chloride and salinity measured in surface water samples during the 1994 dredging event were 11,400 mg/ℓ and 16.3 parts per thousand, respectively. Average concentrations of chloride and salinity measured in surface water samples during the 1996 dredging event were 4,881 mg/ℓ and 0.87 parts per thousand, respectively. The difference between the 1994 and 1996 chloride and salinity measurements demonstrates that surface water in the drainage ditches at SWMU 4 and Munitions Road ditch system is becoming less similar to sea water over time following a dredging event.

One SVOC (bis(2-ethylhexyl)phthalate) and five inorganic analytes (beryllium, cadmium, lead, mercury, and selenium) were detected in surface water samples collected in 1994 at concentrations that exceed their respective regulatory

screening concentrations. Beryllium, cadmium, lead, and mercury were not detected in surface water samples collected in 1996.

Selenium was detected in two surface water samples collected during the 1996 sampling event at concentrations that exceed the regulatory screening concentration. Cyanide was not detected in the surface water samples collected in 1994 but was detected as a single occurrence in a sample collected in 1996. The concentration detected in 1996 exceeded the regulatory screening concentration.

Comparison of the target analysis detected in 1994 and 1996 to the analytes evaluated during the ecological baseline risk assessment for Group I SWMUs 2, 3, 4, 5, and 13 (ABB-ES, 1996) suggests that the chemical concentrations detected in surface water samples from SWMU 4 and the Munitions Road drainage ditch are lower than those evaluated during the RFI. The ecological risk assessment determined that there was not a risk to terrestrial and aquatic receptors to exposure to surface water in ditches adjacent to the SWMUs.

Comparison of the analytical results to regulatory screening criteria and the ecological baseline risk assessment suggests that surface water contained in SWMU 4 landfill and Munitions Road drainage ditches does not impair or prevent reproduction, growth, and survival of terrestrial and aquatic receptors.

Sediment. Five VOCs, 12 SVOCs, 10 pesticides, and 1 inorganic analyte were detected in one of 22 samples (a detection rate of less than 5 percent) (Tables 3-18 and 4-2). The VOCs were detected in samples collected in 1996 from different sample locations (Table 3-16).

Three SVOCs (3- and 4-methylphenol, fluoranthene, and pyrene) were detected in an environmental sample and duplicate collected in 1994. 3- and 4-Methylphenol was detected in the samples from location MPT-2-SD20 (Plate 2). This chemical was not detected in an environmental sample and duplicate collected from the same location in 1996. Fluoranthene and pyrene were detected in the samples from location MPT-2-SD31. These chemicals were not detected in an environmental sample collected from the same location in 1996.

Seven other SVOCs (benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(a)pyrene, indeno(1,2,3-cd)pyrene, and benzo(g,h,i)perylene) were also detected in the environmental sample collected in 1994 from location MPT-2-SD31 but not from the duplicate. These chemicals were not detected in the sediment sample collected from location MPT-20SD31 in 1996.

Di-n-butylphthalate was detected in 1994 as a single occurrence in a sample from location MPT-2-SD32 but was not detected in samples collected in 1996. Di-n-octylphthalate was detected as a single occurrence in a sample from location MPT-4-SD01 but was not detected in samples collected in 1994.

Ten pesticides were detected as single occurrences in the environmental sample collected in 1996 from sampling location MPT-2-SD34 (Table 3-16). The pesticides were not detected in the duplicate from this location. Pesticides were not detected in samples collected in 1994.

Table 4-2
Summary of Chemicals Detected in Sediment Samples Collected in 1994 and 1996 from SWMU 4 and the Munitions Road Ditch System

Interim Measure Performance Specifications
Group I, SWMUs 4, 49, and 50
U. S. Naval Station
Mayport, Florida

Analyte	1994 Frequency[1]	1994 Range[2]	1996 Frequency[1]	1996 Range[3]	Background[4]	Sediment Screening Values[5]
Volatile Organic Compounds (µg/kg)						
Acetone	5/11	[6]33.7 to 680	2/11	[6]232	ND	NSC
2-Butanone	8/11	6 to 100	7/11	8 to 76	ND	NSC
Carbon disulfide	9/11	[6]2.5 to 140	9/11	2 to [6]47	51	NSC
Chlorobenzene	1/11	22	3/11	10 to 24	ND	NSC
1,2-Dichloroethene (total)	ND	ND	1/11	110	ND	NSC
1,4-Dichlorobenzene	ND	ND	1/11	8	ND	NSC
Methylene chloride	ND	ND	1/11	7	ND	NSC
Toluene	ND	ND	1/11	3	3	NSC
Xylenes	ND	ND	1/11	5	ND	NSC
Semivolatile Organic Compounds (µg/kg)						
Acenaphthene	1/10	430	1/11	150	ND	5.87
Benzo(a)anthracene	1/10	[6]425	ND	ND	ND	74.8
Benzo(a)pyrene	1/10	[6]365	ND	ND	ND	88.8
Benzo(b)fluoranthene	1/10	[6]360	ND	ND	ND	655
Benzo(g,h,i)perylene	1/10	[6]285	ND	ND	ND	55
Benzo(k)fluoranthene	1/10	[6]365	ND	ND	ND	655
Chrysene	1/10	[6]450	ND	ND	ND	108
Di-n-butylphthalate	1/10	340	ND	ND	62.3	NSC
Di-n-octylphthalate	1/10	130	ND	ND	ND	NSC

See notes at end of table.

Table 4-2 (Continued)
Summary of Chemicals Detected in Sediment Samples Collected in 1994 and 1996 from SWMU 4 and the Munitions Road Ditch System

Interim Measure Performance Specifications
Group I, SWMUs 4, 49, and 50
U. S. Naval Station
Mayport, Florida

Analyte	1994 Frequency[1]	1994 Range[2]	1996 Frequency[1]	1996 Range[3]	Background[4]	Sediment Screening Values[5]
Semivolatile Organic Compounds (continued) (µg/kg)						
bis(2-Ethylhexyl)phthalate	1/10	20,000	6/11	94 to [6]3,100	170	182
Fluoranthene	1/10	[6]535	2/11	61 to 97	ND	113
Indeno(1,3,4-cd)pyrene	1/10	[6]285	ND	ND	ND	655
3- & 4-Methylphenol	1/10	[6]920	ND	ND	ND	312
N-Nitrosodiphenylamine	ND	ND	1/11	[6]595	ND	NSC
Phenanthrene	1/10	[6]257	ND	ND	ND	268
Pyrene	1/10	[6]520	3/11	67 to [6]465	282	153
Pesticides (µg/kg)						
Alpha-BHC	ND	ND	1/11	[6]557	ND	NSC
Beta-BHC	ND	ND	1/11	[6]319	ND	NSC
Delta-BHC	ND	ND	1/11	[6]262	ND	NSC
Gamma-BHC (Lindane)	ND	ND	1/11	[6]657	ND	0.32
Chlordane	ND	ND	1/11	[6]11,575	ND	0.5
4,4'-DDD	ND	ND	1/11	[6]4,714	4.2	1.22
4,4'-DDE	ND	ND	1/11	[6]607	5.5	2.07
4,4'-DDT	ND	ND	1/11	[6]5,014	0.8	1.19
Endrin	ND	ND	1/11	[6]1,614	ND	0.02
Endrin Ketone	ND	ND	1/11	[6]504	ND	NSC
Inorganic Analytes (µg/kg)						
Antimony	1/11	[6]0.815	ND	ND	ND	2

See notes at end of table.

Table 4-2 (Continued)
Summary of Chemicals Detected in Sediment Samples Collected in 1994 and 1996 from SWMU 4 and the Munitions Road Ditch System

Interim Measure Performance Specifications
Group I, SWMUs 4, 49, and 50
U. S. Naval Station
Mayport, Florida

Analyte	1994 Frequency[1]	1994 Range[2]	1996 Frequency[1]	1996 Range[3]	Background[4]	Sediment Screening Values[5]
Inorganic Analytes (continued) (µg/kg)						
Arsenic	11/11	[6]0.59 to 11.9	1/11	4.5	5.4	7.24
Barium	9/11	[6]13.2 to 51	11/11	2.2 to 15.9	13.6	NSC
Beryllium	11/11	[6]0.095 to 0.86	11/11	0.08 to 0.53	0.38	NSC
Cadmium	2/11	1.3 to 2.9	ND	ND	1.14	0.676
Chromium	11/11	[6]2.4 to 27.3	11/11	2 to 20.2	13.8	52.3
Cobalt	9/11	[6]2.3 to 7.2	11/11	0.28 to 2.6	2.6	NSC
Copper	11/11	[6]1.4 to 19.8	11/11	0.47 to 11	6.8	18.7
Lead	11/11	[6]3.25 to [6]20.9	5/11	3.7 to 10.9	9.2	30.2
Mercury	5/11	[6]0.06 to 0.4	10/11	0.04 to 0.25	0.76	0.13
Nickel	9/11	3.7 to [6]35.2	9/11	[6]0.3 to 4.4	11.6	15.9
Selenium	6/11	[6]0.46 to 1.4	ND	ND	1.1	NSC
Silver	3/11	[6]0.62 to 2.4	ND	ND	ND	0.733
Thallium	3/11	[6]0.54 to 1.2	ND	ND	1.24	NSC
Tin	1ND	[6]3.75 to [6]20.65	11/11	3 to 11.9	13.8	NSC
Vanadium	11/11	[6]1.8 to 49.1	11/11	2.5 to 26.2	13.4	NSC

See notes at end of table.

Table 4-2 (Continued)
Summary of Chemicals Detected in Sediment Samples Collected in 1994 and 1996 from SWMU 4 and the Munitions Road Ditch System

Interim Measure Performance Specifications
Group I, SWMUs 4, 49, and 50
U. S. Naval Station
Mayport, Florida

Analyte	1994 Frequency[1]	1994 Range[2]	1996 Frequency[1]	1996 Range[3]	Background[4]	Sediment Screening Values[5]
Inorganic Analytes (continued) (µg/kg)						
Zinc	11/11	17.7 to 103	11/11	4.7 to 54	23.6	124
Cyanide	7/11	0.16 to 0.66	ND	ND	ND	NSC

[1] Frequency of detection is the number of environmental samples in which the analyte was detected over the total number of environmental samples analyzed (excluding rejected values). An environmental sample and duplicate, if collected, were considered one sample.
[2] Range of concentrations detected for an analyte in the 1994 sediment samples.
[3] Range of concentrations detected for an analyte in the 1996 sediment samples.
[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. The average of the detected organic concentration(s) is provided for comparison purposes only.
[5] The lower of either the threshold effects level from "Approach to the Assessment of Sediment Quality in Florida Coastal Waters" (Florida Department of Environmental Protection, 1994), or the "effects values" provided in U.S. Environmental Protection Agency (USEPA) Region IV Supplemental Guidance to RAGS (USEPA, 1995).
[6] The value is the average of a sample and its duplicate. For duplicate samples having one nondetect value, one-half of the contract-required quantification limit/contract-required detection limit is used as a surrogate concentration for the nondetect concentration.

Notes: SWMU = Solid Waste Management Unit.
µg/kg = micrograms per kilogram.
ND = not detected.
NSC = no screening criteria.
DDD = dichlorodiphenyldichloroethane.
DDE = dichlorodiphenyldichloroethene.
DDT = dichlorodiphenyltrichloroethane.
BHC = benzene hexachloride.
RAGS = Risk Assessment Guidance for Superfund.

Antimony was detected as a single occurrence in the environmental sample collected in 1994 from sampling location MPT-2-SD38 (Table 3-16). The inorganic analyte was not detected in the duplicate from this location. Antimony was not detected in samples collected in 1996.

Chemicals that are infrequently detected may be artifacts resulting from sample matrix interference, poor sampling techniques, or the extraction and analysis of a sample. Artifacts may not be attributed to site operation or disposal practice. Because of the uncertainty associated with chemicals detected in less than 5 percent of the samples, these chemicals should be eliminated from consideration (professional judgement) in a risk assessment (USEPA, 1989).

Eleven SVOCs, six pesticides, and five inorganic analytes were detected at concentrations greater than their respective regulatory screening concentrations (Table 3-18). Six of the SVOCs (3- and 4-methylphenol, acenaphthene, benzo(a)-anthracene, benzo(a)pyrene, benzo(b)fluoranthene, and chrysene) were detected in 1994 as single occurrences at sampling location MPT-2-SD31 in 1994 but were not detected in the sample collected from the same location in 1996.

Fluoranthene and pyrene were also detected at sampling location MPT-2-SD31 in the environmental sample and duplicate but were not detected in the sample collected from the same location in 1996. Fluoranthene and pyrene were detected but did not exceed their respective screening concentrations in sediment samples collected in 1996 from sampling locations MPT-2-SD39. Fluoranthene and pyrene were not detected in the samples collected in 1994 from sampling MPT-2-SD39. Fluoranthene was also detected in 1996 from a sediment sample collected at location MPT-4-SD01; there were no previous samples from this location. Pyrene was also detected in an environmental sample but not in the duplicate collected in 1996 from location MPT-2-SD34. The concentration detected exceeded the regulatory screening value.

Bis(2-ethylhexyl)phthalate was detected at one location in 1994 (MPT-2-SD26) and 1996 (MPT-4-SD34) at concentrations exceeding its regulatory screening concentration. Bis(2-ethylhexyl)phthalate was detected at 20,000 and 99 micrograms per kilogram (μg/kg), respectively, in samples collected from location MPT-2-SD26 in 1994 and 1996. Bis(2-ethylhexyl)phthalate was detected at widely varying concentrations in the environmental sample (5,000 μg/kg) and duplicate (μg/kg) samples from location MPT-2-SD34. Bis(2-ethylhexyl)phthalate was not detected in the sediment sample collected in 1994 from location MPT-2-SD34.

As previously stated, the pesticides were detected in an environmental sample but not the duplicate collected at sampling location MPT-2-SD34 in 1996. Pesticides were not detected in a sediment sample collected at this location in 1994.

Arsenic, cadmium, copper, mercury, nickel, and silver were detected in sediment samples collected in 1994 at concentrations that exceeded their respective regulatory screening concentrations. Only mercury was detected at concentrations that exceeded its regulatory benchmark in samples collected in 1996. Mercury was not detected in sediment samples collected in 1994 or 1996 at concentrations that exceeded its background screening concentration.

Currently, regulatory screening concentrations have not been established for nine VOCs, three SVOCs, four pesticides, and seven inorganics. The lack of a regulatory screening concentration is an uncertainty. The uncertainty is a lack

of knowledge for the concentration(s) that may pose a risk to aquatic or benthic receptors.

The results of biological testing conducted in 1994 suggested that sediment in the SWMU 4 and Munitions Road drainage ditch system may adversely impair or prevent reproduction, growth, and survival of benthic and aquatic receptors (ABB-ES, 1996). Survival rate of test animals exposed to sediment during the 1994 investigation ranged from 33 to 100 percent.

The results of biological testing conducted in 1996 suggest that the survival rate had improved at a range of 54 to 98 percent (Table 3-19). Biological testing was performed during 1994 and 1996 on sediment from six sampling locations (MPT-2-SD20, MPT-2-SD26, MPT-2-SD28, MPT-2-SD31, MPT-2-SD34, and MPT-2-SD38). Survival rates were higher for four of the 1996 locations (MPT-2-SD20, MPT-2-SD26, MPT-2-SD28, and MPT-2-SD31) when compared to their respective 1994 results.

One location, MPT-2-SD38, had relatively similar survival rates for 1994 and 1996. The survival rates for this sampling location were similar to control and background sampling events for both the 1994 and 1996 sampling events.

One location, MPT-2-SD26, had lower survival rates for 1996 relative to the 1994 results. However, the 1996 survival rate (79 percent) was lower than the control sample range (86 to 99 percent) but was equal to the 1996 background survival rate (79 percent).

Surface water analytical and biological testing results of samples collected in 1994 (MPT-2-SD17, MPT-2-SD31, MPT-2-SD32, and MPT-2-SD34) and 1996 (MPT-2-SD31, MPT-2-SD33, MPT-SD34, and MPT-2-SD39) for the drainage ditch that bisects SWMU 4 and hydraulic upgradient ditch section along Munitions Road suggest the following:

- survival rates for 1994 ranged from 23 to 74 percent;
- survival rates for 1996 ranged from 54 to 98 percent;
- salinity in 1994 ranged from 16.5 to 20 percent; surface water would be characterized as predominantly marine; and
- salinity in 1996 ranged from 0.09 to 3 percent; surface water would be characterized as predominantly marine hydraulically upgradient of the SWMU 4 ditch and would grade to predominantly fresh as the SWMU 4 ditch flows to its confluence with the Patrol Road drainage ditch.

Surface water analytical and biological testing results of samples collected in 1994 and 1996 (MPT-2-SD20 and MPT-2-SD28) for the drainage ditch segment that flows south to the marsh area south of the Western Dredge Material Holding Area suggest the following:

- survival rates for 1994 were 44 and 49 percent;
- survival rates for 1996 were 63 and 89 percent;

- salinity in 1994 ranged from 21 and 26 percent; surface water would be characterized as predominantly marine; and

- salinity in 1996 was measured at 1.25 and 1.28 percent: surface water would be characterized as predominantly marine.

The biological testing results suggest that the potential for adverse biological effects has decreased with time as water contained in the drainage ditch system has been changing from marine to freshwater. It is not known whether or not the increases in survival are related to variations in chemicals as the chemistry of the surface water has changed between 1994 and 1996.

The 1994 and 1996 analytical results suggest that there is some uncertainty associated with the consistent presence of chemicals detected in the sediment samples. The analytical results also suggest that the chemical concentrations in the sediment samples that may represent potential threats to ecological receptors have varied between the sampling events. This is exemplified by the analytical results for samples MPT-2-SD20, MPT-2-SD26, MPT-2-SD28, MPT-2-SD31, MPT-2-SD34, and MPT-2-SD38 (Table 3-19 and Plate 2). Based on these findings, there does not appear to be any direct evidence that would suggest the mortalities observed in the 1994 and 1996 sediment samples are related to chemicals or changes in water quality from marine to fresh between dredging cycles.

Sediments that contain high organic contents (such as at location MPT-2-SD34) have the capacity to bond to and retain many types of organic and inorganic chemicals. The high organic content may is primarily responsible for limiting the migration of analytes during the flushing of the marine water from the sediment (Lick and Rapaka, 1996). Other factors that are important for the mobility (adsorption and desorption of chemicals in the sediment are pH, oxidation reduction potential, salinity, flocculation and deflocculation of to colloids (Jackson, et. al, 1993; USEPA , 1992; and Lick and Rapaka, 1996).

Measurement of the salinity, dissolved oxygen, and pH of overlying waters in the field and prior to and after the biological (survival) testing suggest that the test was not similar to the natural conditions. Additionally, infield measurements of pH and the oxidation reduction potential for the sediment samples were not measured. Because chemical analytical testing of the overlying waters or sediment was not conducted prior to or after the biological (survival) test, it is not known if there were differences in the bioavailability of analytes detected in the sediment samples (Tables 3-14) as a result in changing the geochemical environment of the sediment samples. Small changes in the pH and oxidation reduction potential of sediments may increase or decrease the bioavailability of metals (Jackson, et al., 1993).

The survival testing results suggest that the potential for adverse ecological effects would also decrease overtime. It is also likely that adverse ecological effects would occur if the Western and Eastern Dredge Material Areas were used in the future (i.e., marine water being placed into a freshwater ecosystem). If the areas are no longer used, the system would reach some equilibrium similar to a freshwater system.

Based on the above evaluation, neither additional investigative activities nor an IM under the RCRA corrective action program for NAVSTA Mayport appears to be warranted for the SWMU 4 and Munitions Road drainage ditch system sediment.

5.0 SUMMARY AND RECOMMENDATIONS

This chapter presents a summary of the findings for each site assessed and recommendations for whether or not an IM activity is warranted for SWMUs 4, 49, and 50.

5.1 SWMU 49. Below is a summary of findings and recommendations for surface water and sediment evaluated at SWMU 49.

Surface Water. Surface water contained in the SWMU 49 retention ponds has characteristics similar to predominantly freshwater as defined by FAC 62-302. The retention ponds discharge to a drainage ditch system along Patrol Road that is similar to predominantly marine water as defined by FAC 62-302.

VOCs and SVOCs, pesticides, and PCBs have not been detected in surface water samples collected in 1992, 1994, or 1996.

Comparison of the analytical results of the surface water samples to Florida Surface Water Quality Standards and USEPA Surface Water Chronic Screening Values suggests that concentrations of beryllium, cadmium, lead, and mercury exceed their respective screening criteria. Arsenic, barium, and chromium exceed background screening values but not their respective regulatory screening criteria.

Beryllium, cadmium, and mercury were detected as single occurrences in surface water samples collected in 1994 but were not detected in samples collected in 1992 or 1996. Lead was detected in surface water samples collected in 1992 and 1994 but not in 1996.

Comparison of the surface water analytical results to regulatory screening criteria and the ecological baseline risk assessment (ABB-ES, 1996) suggests that surface water contained in SWMU 49 does not impair or prevent reproduction, growth, and survival of terrestrial and aquatic receptors.

Neither additional investigative activities nor an IM under the RCRA corrective action program for NAVSTA Mayport appears to be warranted for SWMU 49 surface water.

Sediment. VOCs and SVOCs, chlorinated pesticides, and inorganic analytes were detected in sediment samples collected in 1992, 1994, and 1996 (Table 3-4). PCBs were not detected in the sediment samples.

Six VOCs, 11 SVOCs, 3 pesticides, and 13 inorganic analytes have been detected in these samples at concentrations above Florida TEL or USEPA screening values (Table 3-5).

Survival rates for the amphipods placed in the SWMU 49 sediment samples were similar to the laboratory control samples and had a higher percentage of survival relative to the background sample.

Although organic and inorganic chemicals are present at concentrations that exceed FDEP TELs and USEPA effects levels, the biological testing results do not provide evidence that supports the occurrence of adverse biological effects.

Neither additional investigative activities nor an IM under the RCRA corrective action program for NAVSTA Mayport appears to be warranted for SWMU 49 sediment.

5.2 SWMU 50. Below is a summary of findings and recommendations for surface water and sediment evaluated at SWMU 50.

Surface Water. Surface water contained in the SWMU 50 settling ponds has characteristics similar to predominantly marine water as defined by FAC 62-302. The ponds discharge to a drainage ditch system and marsh areas that are similar to predominantly marine water as defined by FAC 62-302. Measurements made for chloride and salinity indicated they have substantially decreased since the dredging event conducted in 1994.

SVOCs, organochlorine pesticides, and PCBs were not detected in the surface water samples collected in 1994. Two VOCs were detected in the surface water sample collected in 1994. VOCs and SVOCs, organochlorine pesticides, and PCBs were not detected in the surface water samples collected in 1996.

Three inorganic analytes (mercury, selenium, and cyanide) were detected in surface water samples at concentrations greater than regulatory screening concentrations. Concentrations of mercury and selenium, if present, did not exceed detection limits in samples collected in 1996.

Cyanide was the only target analyte detected in the surface water samples collected in 1996 at a concentration slightly greater (5.3 $\mu g/\ell$) than the regulatory screening concentration (5.2 $\mu g/\ell$).

Comparison of the analytical results to regulatory screening criteria and the ecological baseline risk assessment (ABB-ES, 1996) suggests that surface water contained in SWMU 50 does not impair or prevent reproduction, growth, and survival of terrestrial and aquatic receptors.

Neither additional investigative activities nor an IM under the RCRA corrective action program for NAVSTA Mayport appears to be warranted for SWMU 50 surface water.

Sediment. VOCs and SVOCs and inorganic analytes were detected in sediment samples collected from the SWMU 50 settling ponds. Pesticides and PCBs were not detected in the sediment samples.

One SVOC (bis(2-ethylhexyl)phthalate) and two inorganics (arsenic and silver) were detected in sediment samples at concentrations greater than their respective regulatory screening concentrations.

The biological testing survival percentage for the western and eastern settling pond sediment was 44 and 90 percent, respectively. The survival rate for the marine amphipods placed in the western settling pond sediment sample was less than laboratory control and background samples. Survival rates for the marine amphipods placed in the eastern settling pond sediment samples were similar to

the laboratory control samples and had a higher percentage of survival relative to the background sample. The biological (survival) testing results for the eastern settling pond do not provide evidence that supports the occurrence of adverse biological effects.

The biological (survival) testing assumes that the behavior of chemicals in test sediment in the laboratory is similar to that in natural *in situ* sediments (USEPA, 1992). However, measurement of salinity, dissolved oxygen, and pH in the field and prior to and after the biological (survival) testing suggests that the test was not similar to the natural conditions. Because chemical analytical testing of the overlying waters or sediment was not conducted prior to or after the biological (survival) test, it is not known if there were differences in the bioavailability of analytes detected in the sediment samples. Small changes in the pH and oxidation reduction potential of sediments may increase or decrease the bioavailability of metals (Jackson, et al., 1993).

Mortality of aquatic and benthic species is expected to occur as a result of the transition from marine to brackish and fresh waters at the Western and Eastern Dredge Material Holding Areas. During the next dredging event, the transition to a freshwater environment will be nullified, and mortality of freshwater species that have developed will occur. Currently, the Western and Eastern Dredge Material Holding Areas are full. Future use of these two areas assumes that the dredge material will be removed from the Western and Eastern Dredge Material Holding Areas.

Based on the above evaluation, neither additional investigative activities nor an IM under the RCRA corrective action program for NAVSTA Mayport appears to be warranted for SWMU 50 sediment. Also, the Western and Eastern Dredge Material Holding Areas appear to be functioning as intended under Section 404 of the CWA.

5.3 SWMU 4. Below is a summary of findings and recommendations for surface water and sediment evaluated at SWMU 4 and the Munitions Road drainage ditch system.

Surface Water. Based on the chloride analytical results, the water contained in the SWMU 4 and Munitions Road drainage ditch system would be classified as predominantly marine under FAC 62-302. However, the surface water samples collected in 1996 at sampling locations MPT-2-SW31 and MPT-2-SW39 near the confluence of the SWMU 4 drainage ditch and the Patrol Road drainage ditch would be classified as predominantly freshwater. Measurements made for chloride and salinity indicated they have substantially decreased since the dredging event conducted in 1994.

Organochlorine pesticides and PCBs were not detected in the surface water samples collected in 1994. Six VOCs and three SVOCs were detected in the surface water samples collected in 1994. VOCs and SVOCs, organochlorine pesticides, and PCBs were not detected in surface water samples collected in 1996.

One SVOC (bis(2-ethylhexyl)phthalate) and five inorganic analytes (beryllium, cadmium, lead, mercury, and selenium) were detected in surface water samples collected in 1994 at concentrations that exceed their respective regulatory screening concentrations.

Beryllium, cadmium, lead, and mercury were not detected in surface water samples collected in 1996. Selenium was detected in two surface water samples collected during the 1996 sampling event at concentrations that exceed the regulatory screening concentration.

Cyanide was not detected in the surface water samples collected in 1994 but was detected as a single occurrence in a sample collected in 1996. The concentration detected in 1996 exceeded the regulatory screening concentration.

Comparison of the analytical results to regulatory screening criteria and the ecological baseline risk assessment (ABB-ES, 1996) suggests that surface water contained in the SWMU 4 landfill and Munitions Road drainage ditches does not impair or prevent reproduction, growth, and survival of terrestrial and aquatic receptors.

Neither additional investigation activities nor an IM under the RCRA corrective action program for NAVSTA Mayport appears to be warranted for SWMU 4 surface water.

Sediment. Five VOCs, 12 SVOCs, 10 pesticides, and 1 inorganic analyte were detected in one of 22 samples (a detection rate of less than 5 percent). Chemicals that are infrequently detected may be artifacts and may not be attributed to site operation or disposal practice. Because of the uncertainty associated with chemicals detected in less than 5 percent of the samples, these chemicals should be eliminated from consideration (professional judgement) in a risk assessment (USEPA, 1989).

Eleven SVOCs, six pesticides, and five inorganic analytes were detected at concentrations greater than their respective regulatory screening concentrations.

In general, the SVOCs detected in 1994 were single occurrences and were not detected in an associated duplicate sample. Most of the SVOCs were not detected in a sample collected from the same location in 1996.

The pesticides were detected in an environmental sample but not the duplicate collected at sampling location MPT-2-SD34 in 1996. Pesticides were not detected in a sediment sample collected at this location in 1994.

Arsenic, cadmium, copper, mercury, nickel, and silver were detected in sediment samples at concentrations that exceed their respective regulatory screening concentrations. Mercury was not detected at concentrations that exceed its background screening concentration. Arsenic, cadmium, copper, nickel, and silver were not detected in sediment samples collected in 1996 at concentrations that exceed regulatory screening criteria.

The results of biological testing conducted in 1994 suggested that sediment in the SWMU 4 and Munitions Road drainage ditch system may adversely impair or prevent reproduction, growth, and survival of benthic and aquatic receptors (ABB-ES, 1996). The results of biological testing conducted in 1996 suggest that the survival rate had increased.

The results of biological (survival) testing conducted in 1994 suggested that sediments at the SWMU 4 and Munitions Road drainage ditch system may adversely affect biological organisms in the aquatic environments of the ditches. Survival

rates ranged from 33 to 100 percent. The results of biological testing conducted in 1996 suggest that the survival rate had improved, survival rates ranged from 54 to 98 percent. The biological (survival) testing results suggest that the potential for adverse effects has decreased with time as water contained in the drainage ditches system transformed from marine to freshwater after the 1994 dredging event.

The 1994 and 1996 analytical results suggest that there is some uncertainty associated with the consistent presence of chemicals detected in the sediment samples. The analytical results also suggest that the chemical concentrations in the sediment samples that may represent potential threats to ecological receptors have varied between the sampling events.

There does not appear to be any direct evidence that would suggest the mortalities observed in the 1994 and 1996 sediment samples are related to any particular chemical(s) or change(s) in water quality from marine to fresh between dredging cycles.

Sediments that have a high organic content, such as those found in the drainage ditches, have a high capacity to adsorb many types of organic and inorganic chemicals (Lick and Rapaka, 1996). The high organic contents along with other factors (pH, redox potential, salinity, colloidal particle) control the mobility (adsorption and desorption) of organic and inorganic chemicals in the sediments (Jackson, et al., 1993; USEPA, 1992; and Lick and Rapaka, 1996). It is possible that the removal of sediment and organic materials from the ditches could result in exporting chemicals to other aquatic environments during future dredging events.

Overall, it would appear that the adverse ecological effects may occur if the Western and Eastern Dredge Material Holding areas were used in the future, and that if no longer used, the system would reach some equilibrium similar to a freshwater system.

Based on the above evaluation, neither additional investigation activities nor an IM under the RCRA corrective action program appears to be warranted for SWMU 4 sediment. Additionally, as previously stated, the Western and Eastern Dredge Material Holding Areas appear to be functioning as intended under Section 404 of the CWA.

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APPENDIX A

ANALYTICAL RESULTS

SOLID WASTE MANAGEMENT UNIT 4

US Naval Station, Mayport, Florida
Analytical Results for Sediment Samples Collected at SWMU 4

Lab Sample Number:		M7628010				M7635009				M7635010				M7635004			
Site		GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator		02SD017				02SD020				02SD020D				02SD023			
Collect Date:		29-JUL-94				31-JUL-94				31-JUL-94				30-JUL-94			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
VOLATILES	ug/kg																
Chloromethane		71	U	ug/kg	71	62	U	ug/kg	62	50	U	ug/kg	50	25	U	ug/kg	25
Bromomethane		71	U	ug/kg	71	62	UJ	ug/kg		50	UJ	ug/kg		25	U	ug/kg	25
Vinyl chloride		71	U	ug/kg	71	62	U	ug/kg	62	50	U	ug/kg	50	25	U	ug/kg	25
Chloroethane		71	U	ug/kg	71	62	U	ug/kg	62	50	U	ug/kg	50	25	U	ug/kg	25
Methylene chloride		36	U	ug/kg	36	32	U	ug/kg	32	38	U	ug/kg	38	14	U	ug/kg	14
Acetone		680	J	ug/kg		370	J	ug/kg		400	J	ug/kg		48	UJ	ug/kg	
Carbon disulfide		140		ug/kg		46		ug/kg		78		ug/kg		12	U	ug/kg	12
1,1-Dichloroethane		36	U	ug/kg	36	31	U	ug/kg	31	25	U	ug/kg	25	12	U	ug/kg	12
1,1-Dichloroethene		36	U	ug/kg	36	31	U	ug/kg	31	25	U	ug/kg	25	12	U	ug/kg	12
1,2-Dichloroethene (total)		36	U	ug/kg	36	31	U	ug/kg	31	25	U	ug/kg	25	12	U	ug/kg	12
Chloroform		36	U	ug/kg	36	31	U	ug/kg	31	25	U	ug/kg	25	12	U	ug/kg	12
1,2-Dichloroethane		36	U	ug/kg	36	31	U	ug/kg	31	25	U	ug/kg	25	12	U	ug/kg	12
2-Butanone		100	J	ug/kg		60	J	ug/kg		70	J	ug/kg		9	J	ug/kg	
1,1,1-Trichloroethane		36	U	ug/kg	36	31	U	ug/kg	31	25	U	ug/kg	25	12	U	ug/kg	12
Carbon tetrachloride		36	U	ug/kg	36	31	U	ug/kg	31	25	U	ug/kg	25	12	U	ug/kg	12
Bromodichloromethane		36	U	ug/kg	36	31	U	ug/kg	31	25	U	ug/kg	25	12	U	ug/kg	12
1,2-Dichloropropane		36	U	ug/kg	36	31	U	ug/kg	31	25	U	ug/kg	25	12	U	ug/kg	12
cis-1,3-Dichloropropene		36	U	ug/kg	36	31	U	ug/kg	31	25	U	ug/kg	25	12	U	ug/kg	12
Trichloroethene		36	U	ug/kg	36	31	U	ug/kg	31	25	U	ug/kg	25	12	U	ug/kg	12
Dibromochloromethane		36	U	ug/kg	36	31	U	ug/kg	31	25	U	ug/kg	25	12	U	ug/kg	12
1,1,2-Trichloroethane		36	U	ug/kg	36	31	U	ug/kg	31	25	U	ug/kg	25	12	U	ug/kg	12
Benzene		36	U	ug/kg	36	31	U	ug/kg	31	25	U	ug/kg	25	12	U	ug/kg	12
trans-1,3-Dichloropropene		36	U	ug/kg	36	31	U	ug/kg	31	25	U	ug/kg	25	12	U	ug/kg	12
Bromoform		36	U	ug/kg	36	31	U	ug/kg	31	25	U	ug/kg	25	12	U	ug/kg	12
4-Methyl-2-pentanone		71	U	ug/kg	71	62	U	ug/kg	62	50	U	ug/kg	50	25	U	ug/kg	25
2-Hexanone		71	U	ug/kg	71	62	U	ug/kg	62	50	U	ug/kg	50	25	U	ug/kg	25
Tetrachloroethene		36	U	ug/kg	36	31	U	ug/kg	31	25	U	ug/kg	25	12	U	ug/kg	12
1,1,2,2-Tetrachloroethane		36	U	ug/kg	36	31	U	ug/kg	31	25	U	ug/kg	25	12	U	ug/kg	12
Toluene		36	U	ug/kg	36	31	U	ug/kg	31	25	U	ug/kg	25	12	U	ug/kg	12
Chlorobenzene		36	U	ug/kg	36	31	U	ug/kg	31	25	U	ug/kg	25	12	U	ug/kg	12
Ethylbenzene		36	U	ug/kg	36	31	U	ug/kg	31	25	U	ug/kg	25	12	U	ug/kg	12
Styrene		36	U	ug/kg	36	31	U	ug/kg	31	25	U	ug/kg	25	12	U	ug/kg	12
Xylenes (total)		36	U	ug/kg	36	31	U	ug/kg	31	25	U	ug/kg	25	12	U	ug/kg	12
Dichlorodifluoromethane		71	U	ug/kg	71	62	U	ug/kg	62	50	U	ug/kg	50	25	U	ug/kg	25
Trichlorofluoromethane		36	U	ug/kg	36	31	U	ug/kg	31	25	U	ug/kg	25	12	U	ug/kg	12
1,3-Dichlorobenzene		2200	U	ug/kg	2200	31	U	ug/kg	31	25	U	ug/kg	25	12	U	ug/kg	12
Acrolein		710	U	ug/kg	710	620	U	ug/kg	620	500	U	ug/kg	500	250	U	ug/kg	250
Iodomethane		71	U	ug/kg	71	62	U	ug/kg	62	50	U	ug/kg	50	25	U	ug/kg	25
1,4-Dichlorobenzene		2200	U	ug/kg	2200	31	U	ug/kg	31	25	U	ug/kg	25	12	U	ug/kg	12
Acrylonitrile		710	U	ug/kg	710	620	U	ug/kg	620	500	U	ug/kg	500	250	U	ug/kg	250
Dibromomethane		36	U	ug/kg	36	31	U	ug/kg	31	25	U	ug/kg	25	12	U	ug/kg	12
1,2-Dichlorobenzene		36	U	ug/kg	36	880	U	ug/kg	880	25	U	ug/kg	25	1300	UJ	ug/kg	
2-Chloroethylvinyl ether		71	U	ug/kg	71	62	U	ug/kg	62	50	U	ug/kg	50	25	U	ug/kg	25
Ethyl methacrylate		36	U	ug/kg	36	31	U	ug/kg	31	25	U	ug/kg	25	12	U	ug/kg	12
1,2,3-Trichloropropane		36	U	ug/kg	36	31	U	ug/kg	31	25	U	ug/kg	25	12	U	ug/kg	12
trans-1,4-Dichloro-2-butene		36	U	ug/kg	36	31	U	ug/kg	31	25	U	ug/kg	25	12	U	ug/kg	12
Isobutyl alcohol		1400	U	ug/kg	1400	1200	U	ug/kg	1200	1000	U	ug/kg	1000	500	U	ug/kg	500
1,1,1,2-Tetrachloroethane		36	U	ug/kg	36	31	U	ug/kg	31	25	U	ug/kg	25	12	U	ug/kg	12
1,2-Dibromo-3-chloropropane		750	U	ug/kg	750	660	U	ug/kg	660	520	U	ug/kg	520	260	U	ug/kg	260
Ethylene dibromide		36	U	ug/kg	36	31	U	ug/kg	31	25	U	ug/kg	25	12	U	ug/kg	12

US Naval Station, Mayport, Florida
Analytical Results for Sediment Samples Collected at SWMU 4

Lab Sample Number:		M7628010				M7635009				M7635010				M7635004			
Site		GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator		02SD017				02SD020				02SD020D				02SD023			
Collect Date:		29-JUL-94				31-JUL-94				31-JUL-94				30-JUL-94			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
1,4-Dioxane		1400	R	ug/kg		1200	R	ug/kg		1000	R	ug/kg		500	R	ug/kg	
3-Chloropropene		36	U	ug/kg	36	31	U	ug/kg	31	25	U	ug/kg	25	12	U	ug/kg	12
Acetonitrile		710	U	ug/kg	710	620	U	ug/kg	620	500	U	ug/kg	500	250	U	ug/kg	250
Chloroprene		1400	U	ug/kg	1400	1200	U	ug/kg	1200	1000	U	ug/kg	1000	500	U	ug/kg	500
Methacrylonitrile		36	U	ug/kg	36	31	U	ug/kg	31	25	U	ug/kg	25	12	U	ug/kg	12
Methyl methacrylate		71	U	ug/kg	71	62	U	ug/kg	62	50	U	ug/kg	50	25	U	ug/kg	25
Pentachloroethane		71	U	ug/kg	71	62	U	ug/kg	62	50	U	ug/kg	50	25	U	ug/kg	25
Propionitrile		710	U	ug/kg	710	620	U	ug/kg	620	500	U	ug/kg	500	250	U	ug/kg	250
Vinyl acetate		71	U	ug/kg	71	62	U	ug/kg	62	50	U	ug/kg	50	25	U	ug/kg	25
SEMIVOLATILES	ug/kg																
N-Nitrosodimethylamine		2200	U	ug/kg	2200	880	U	ug/kg	880	900	U	ug/kg	900	1300	UJ	ug/kg	
Phenol		2200	U	ug/kg	2200	880	U	ug/kg	880	900	U	ug/kg	900	1300	UJ	ug/kg	
Aniline		2200	U	ug/kg	2200	880	U	ug/kg	880	900	U	ug/kg	900	1300	UJ	ug/kg	
bis(2-Chloroethyl) ether		2200	U	ug/kg	2200	880	U	ug/kg	880	900	U	ug/kg	900	1300	UJ	ug/kg	
Benzyl Alcohol		2200	U	ug/kg	2200	880	U	ug/kg	880	900	U	ug/kg	900	1300	UJ	ug/kg	
2-Methylphenol		2200	U	ug/kg	2200	880	U	ug/kg	880	900	U	ug/kg	900	1300	UJ	ug/kg	
bis(2-Chloroisopropyl) ether		2200	U	ug/kg	2200	880	U	ug/kg	880	900	U	ug/kg	900	1300	UJ	ug/kg	
N-Nitroso-di-n-propylamine		2200	U	ug/kg	2200	880	U	ug/kg	880	900	U	ug/kg	900	1300	UJ	ug/kg	
Hexachloroethane		2200	U	ug/kg	2200	880	U	ug/kg	880	900	U	ug/kg	900	1300	UJ	ug/kg	
Nitrobenzene		2200	U	ug/kg	2200	880	U	ug/kg	880	900	U	ug/kg	900	1300	UJ	ug/kg	
Isophorone		2200	U	ug/kg	2200	880	U	ug/kg	880	900	U	ug/kg	900	1300	UJ	ug/kg	
2-Nitrophenol		2200	U	ug/kg	2200	880	U	ug/kg	880	900	U	ug/kg	900	1300	UJ	ug/kg	
2,4-Dimethylphenol		2200	U	ug/kg	2200	880	U	ug/kg	880	900	U	ug/kg	900	1300	UJ	ug/kg	
Benzoic acid		11000	U	ug/kg	11000	4300	R	ug/kg		4400	R	ug/kg		6600	R	ug/kg	
bis(2-Chloroethoxy) methane		2200	U	ug/kg	2200	880	U	ug/kg	880	900	U	ug/kg	900	1300	UJ	ug/kg	
2,4-Dichlorophenol		2200	U	ug/kg	2200	880	U	ug/kg	880	900	U	ug/kg	900	1300	UJ	ug/kg	
1,2,4-Trichlorobenzene		2200	U	ug/kg	2200	880	U	ug/kg	880	900	U	ug/kg	900	1300	UJ	ug/kg	
Naphthalene		2200	U	ug/kg	2200	880	U	ug/kg	880	900	U	ug/kg	900	1300	UJ	ug/kg	
4-Chloroaniline		2200	U	ug/kg	2200	880	U	ug/kg	880	900	U	ug/kg	900	1300	UJ	ug/kg	
Hexachlorobutadiene		2200	U	ug/kg	2200	880	U	ug/kg	880	900	U	ug/kg	900	1300	UJ	ug/kg	
4-Chloro-3-methylphenol		2200	U	ug/kg	2200	880	U	ug/kg	880	900	U	ug/kg	900	1300	UJ	ug/kg	
2-Methylnaphthalene		2200	U	ug/kg	2200	880	U	ug/kg	880	900	U	ug/kg	900	1300	UJ	ug/kg	
Hexachlorocyclopentadiene		2200	UJ	ug/kg		880	U	ug/kg	880	900	U	ug/kg	900	1300	UJ	ug/kg	
2,4,6-Trichlorophenol		2200	U	ug/kg	2200	880	U	ug/kg	880	900	U	ug/kg	900	1300	UJ	ug/kg	
Dimethylphthalate		2200	U	ug/kg	2200	880	U	ug/kg	880	900	U	ug/kg	900	1300	UJ	ug/kg	
2,4,5-Trichlorophenol		11000	U	ug/kg	11000	4300	U	ug/kg	4300	4400	U	ug/kg	4400	6600	UJ	ug/kg	
2-Chloronaphthalene		2200	U	ug/kg	2200	880	U	ug/kg	880	900	U	ug/kg	900	1300	UJ	ug/kg	
2-Nitroaniline		11000	U	ug/kg	11000	4300	U	ug/kg	4300	4400	U	ug/kg	4400	6600	UJ	ug/kg	
Acenaphthylene		2200	U	ug/kg	2200	880	U	ug/kg	880	900	U	ug/kg	900	1300	UJ	ug/kg	
2,6-Dinitrotoluene		2200	U	ug/kg	2200	880	U	ug/kg	880	900	U	ug/kg	900	1300	UJ	ug/kg	
3-Nitroaniline		11000	U	ug/kg	11000	4300	U	ug/kg	4300	4400	U	ug/kg	4400	6600	UJ	ug/kg	
Acenaphthene		2200	U	ug/kg	2200	880	U	ug/kg	880	900	U	ug/kg	900	1300	UJ	ug/kg	
2,4-Dinitrophenol		11000	U	ug/kg	11000	4300	U	ug/kg	4300	4400	U	ug/kg	4400	6600	UJ	ug/kg	
4-Nitrophenol		11000	U	ug/kg	11000	4300	U	ug/kg	4300	4400	U	ug/kg	4400	6600	UJ	ug/kg	
Dibenzofuran		2200	U	ug/kg	2200	880	U	ug/kg	880	900	U	ug/kg	900	1300	UJ	ug/kg	
2,4-Dinitrotoluene		2200	U	ug/kg	2200	880	U	ug/kg	880	900	U	ug/kg	900	1300	UJ	ug/kg	
Diethylphthalate		2200	U	ug/kg	2200	880	U	ug/kg	880	900	U	ug/kg	900	1300	UJ	ug/kg	
4-Chlorophenyl-phenylether		2200	U	ug/kg	2200	880	U	ug/kg	880	900	U	ug/kg	900	1300	UJ	ug/kg	
Fluorene		2200	U	ug/kg	2200	880	U	ug/kg	880	900	U	ug/kg	900	1300	UJ	ug/kg	
4-Nitroaniline		11000	U	ug/kg	11000	4300	U	ug/kg	4300	4400	U	ug/kg	4400	6600	UJ	ug/kg	
4,6-Dinitro-2-methylphenol		11000	U	ug/kg	11000	4300	U	ug/kg	4300	4400	U	ug/kg	4400	6600	UJ	ug/kg	

US Naval Station, Mayport, Florida
Analytical Results for Sediment Samples Collected at SWMU 4

Lab Sample Number:	M7628010				M7635009				M7635010				M7635004			
Site	GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator	02SD017				02SD020				02SD020D				02SD023			
Collect Date:	29-JUL-94				31-JUL-94				31-JUL-94				30-JUL-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
N-Nitrosodiphenylamine	2200	U	ug/kg	2200	880	U	ug/kg	880	900	U	ug/kg	900	1300	UJ	ug/kg	
1,2-Diphenylhydrazine	2200	U	ug/kg	2200	880	U	ug/kg	880	900	U	ug/kg	900	1300	UJ	ug/kg	
4-Bromophenyl-phenylether	2200	U	ug/kg	2200	880	U	ug/kg	880	900	U	ug/kg	900	1300	UJ	ug/kg	
Hexachlorobenzene	2200	U	ug/kg	2200	880	U	ug/kg	880	900	U	ug/kg	900	1300	UJ	ug/kg	
Pentachlorophenol	11000	U	ug/kg	11000	4300	U	ug/kg	4300	4400	U	ug/kg	4400	6600	UJ	ug/kg	
Phenanthrene	2200	U	ug/kg	2200	880	U	ug/kg	880	900	U	ug/kg	900	1300	UJ	ug/kg	
Anthracene	2200	U	ug/kg	2200	880	U	ug/kg	880	900	U	ug/kg	900	1300	UJ	ug/kg	
Di-n-Butylphthalate	2200	U	ug/kg	2200	880	UJ	ug/kg		900	UJ	ug/kg		1300	UJ	ug/kg	
Fluoranthene	2200	U	ug/kg	2200	880	U	ug/kg	880	900	U	ug/kg	900	1300	UJ	ug/kg	
Pyrene	2200	U	ug/kg	2200	880	U	ug/kg	880	900	U	ug/kg	900	1300	UJ	ug/kg	
Butylbenzylphthalate	2200	U	ug/kg	2200	880	U	ug/kg	880	900	U	ug/kg	900	1300	UJ	ug/kg	
3,3-Dichlorobenzidine	4400	U	ug/kg	4400	1800	U	ug/kg	1800	1800	U	ug/kg	1800	2700	UJ	ug/kg	
Benzo (a) anthracene	2200	U	ug/kg	2200	880	U	ug/kg	880	900	U	ug/kg	900	1300	UJ	ug/kg	
Chrysene	2200	U	ug/kg	2200	880	U	ug/kg	880	900	U	ug/kg	900	1300	UJ	ug/kg	
bis(2-Ethylhexyl) phthalate	2200	U	ug/kg	2200	880	U	ug/kg	880	900	U	ug/kg	900	1300	UJ	ug/kg	
Di-n-octylphthalate	2200	U	ug/kg	2200	880	U	ug/kg	880	900	U	ug/kg	900	1300	UJ	ug/kg	
Benzo (b) fluoranthene	2200	U	ug/kg	2200	880	U	ug/kg	880	900	U	ug/kg	900	1300	UJ	ug/kg	
Benzo (k) fluoranthene	2200	U	ug/kg	2200	880	U	ug/kg	880	900	U	ug/kg	900	1300	UJ	ug/kg	
Benzo (a) pyrene	2200	U	ug/kg	2200	880	U	ug/kg	880	900	U	ug/kg	900	1300	UJ	ug/kg	
Indeno (1,2,3-cd) pyrene	2200	U	ug/kg	2200	880	U	ug/kg	880	900	U	ug/kg	900	1300	UJ	ug/kg	
Dibenzo (a,h) anthracene	2200	U	ug/kg	2200	880	U	ug/kg	880	900	U	ug/kg	900	1300	UJ	ug/kg	
Benzo (g,h,i) perylene	2200	U	ug/kg	2200	880	U	ug/kg	880	900	U	ug/kg	900	1300	UJ	ug/kg	
2-Picoline	11000	U	ug/kg	11000	4300	U	ug/kg	4300	4400	U	ug/kg	4400	6600	UJ	ug/kg	
Methyl methanesulfonate	2200	U	ug/kg	2200	880	U	ug/kg	880	900	U	ug/kg	900	1300	UJ	ug/kg	
Ethyl methanesulfonate	2200	U	ug/kg	2200	880	U	ug/kg	880	900	U	ug/kg	900	1300	UJ	ug/kg	
Acetophenone	2200	U	ug/kg	2200	880	U	ug/kg	880	900	U	ug/kg	900	1300	UJ	ug/kg	
N-Nitrosopiperidine	2200	U	ug/kg	2200	880	U	ug/kg	880	900	U	ug/kg	900	1300	UJ	ug/kg	
Phenyl-tert-butylamine	11000	U	ug/kg	11000	4300	UJ	ug/kg		4400	UJ	ug/kg		6600	UJ	ug/kg	
2,6-Dichlorophenol	2200	U	ug/kg	2200	880	U	ug/kg	880	900	U	ug/kg	900	1300	UJ	ug/kg	
N-Nitroso-di-n-butylamine	2200	U	ug/kg	2200	880	U	ug/kg	880	900	U	ug/kg	900	1300	UJ	ug/kg	
N-Nitrosodiethylamine	2200	U	ug/kg	2200	880	U	ug/kg	880	900	U	ug/kg	900	1300	UJ	ug/kg	
N-Nitrosopyrrolidine	2200	U	ug/kg	2200	880	U	ug/kg	880	900	U	ug/kg	900	1300	UJ	ug/kg	
Benzidine	11000	U	ug/kg	11000	4300	U	ug/kg	4300	4400	U	ug/kg	4400	6600	UJ	ug/kg	
1,2,4,5-Tetrachlorobenzene	11000	U	ug/kg	11000	4300	U	ug/kg	4300	4400	U	ug/kg	4400	6600	UJ	ug/kg	
Pentachlorobenzene	11000	U	ug/kg	11000	4300	U	ug/kg	4300	4400	U	ug/kg	4400	6600	UJ	ug/kg	
1-Naphthylamine	11000	U	ug/kg	11000	4300	U	ug/kg	4300	4400	U	ug/kg	4400	6600	UJ	ug/kg	
2-Naphthylamine	11000	U	ug/kg	11000	4300	U	ug/kg	4300	4400	U	ug/kg	4400	6600	UJ	ug/kg	
2,3,4,6-Tetrachlorophenol	2200	U	ug/kg	2200	880	U	ug/kg	880	900	U	ug/kg	900	1300	UJ	ug/kg	
Phenacetin	2200	U	ug/kg	2200	880	U	ug/kg	880	900	U	ug/kg	900	1300	UJ	ug/kg	
4-Aminobiphenyl	11000	U	ug/kg	11000	4300	U	ug/kg	4300	4400	U	ug/kg	4400	6600	UJ	ug/kg	
Pentachloronitrobenzene	11000	U	ug/kg	11000	4300	U	ug/kg	4300	4400	U	ug/kg	4400	6600	UJ	ug/kg	
Pronamide	2200	U	ug/kg	2200	880	U	ug/kg	880	900	U	ug/kg	900	1300	UJ	ug/kg	
p-Dimethylaminoazobenzene	2200	U	ug/kg	2200	880	U	ug/kg	880	900	U	ug/kg	900	1300	UJ	ug/kg	
7,12-Dimethylbenz(A)Anthracene	2200	U	ug/kg	2200	880	U	ug/kg	880	900	U	ug/kg	900	1300	UJ	ug/kg	
3-Methylcholanthrene	2200	U	ug/kg	2200	880	U	ug/kg	880	900	U	ug/kg	900	1300	UJ	ug/kg	
Pyridine	11000	U	ug/kg	11000	4300	U	ug/kg	4300	4400	U	ug/kg	4400	6600	UJ	ug/kg	
N-Nitrosomethylethylamine	2200	U	ug/kg	2200	880	U	ug/kg	880	900	U	ug/kg	900	1300	UJ	ug/kg	
N-Nitrosomorpholine	2200	U	ug/kg	2200	880	U	ug/kg	880	900	U	ug/kg	900	1300	UJ	ug/kg	
o-Toluidine	2200	U	ug/kg	2200	880	U	ug/kg	880	900	U	ug/kg	900	1300	UJ	ug/kg	
Hexachloropropene	11000	U	ug/kg	11000	4300	U	ug/kg	4300	4400	U	ug/kg	4400	6600	UJ	ug/kg	
p-Phenylenediamine	110000	UJ	ug/kg		43000	UJ	ug/kg		44000	UJ	ug/kg		66000	UJ	ug/kg	
Safrole	11000	U	ug/kg	11000	4300	U	ug/kg	4300	4400	U	ug/kg	4400	6600	UJ	ug/kg	

US Naval Station, Mayport, Florida
Analytical Results for Sediment Samples Collected at SWMU 4

Lab Sample Number:		M7628010				M7635009				M7635010				M7635004			
Site		GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator		02SD017				02SD020				02SD020D				02SD023			
Collect Date:		29-JUL-94				31-JUL-94				31-JUL-94				30-JUL-94			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Isosafrole		11000	U	ug/kg	11000	4300	U	ug/kg	4300	4400	U	ug/kg	4400	6600	UJ	ug/kg	
1,4-Naphthoquinone		220000	U	ug/kg	220000	87000	U	ug/kg	87000	89000	U	ug/kg	89000	130000	UJ	ug/kg	
1,3-Dinitrobenzene		2200	U	ug/kg	2200	880	U	ug/kg	880	900	U	ug/kg	900	1300	UJ	ug/kg	
5-Nitro-o-toluidine		2200	U	ug/kg	2200	880	U	ug/kg	880	900	U	ug/kg	900	1300	UJ	ug/kg	
1,3,5-Trinitrobenzene		2200	U	ug/kg	2200	880	UJ	ug/kg		900	UJ	ug/kg		1300	UJ	ug/kg	
4-Nitroquinoline-1-oxide		110000	R	ug/kg		43000	U	ug/kg	43000	44000	U	ug/kg	44000	66000	UJ	ug/kg	
Methapyrilene		11000	U	ug/kg	11000	4300	UJ	ug/kg		4400	UJ	ug/kg		6600	UJ	ug/kg	
3,3-Dimethylbenzidine		2200	U	ug/kg	2200	880	U	ug/kg	880	900	U	ug/kg	900	1300	UJ	ug/kg	
Hexachlorophene		110000	R	ug/kg		43000	R	ug/kg		44000	R	ug/kg		66000	R	ug/kg	
Aramite		11000	U	ug/kg	11000	4300	U	ug/kg	4300	4400	U	ug/kg	4400	6600	UJ	ug/kg	
2-Chlorophenol		2200	U	ug/kg	2200	880	U	ug/kg	880	900	U	ug/kg	900	1300	UJ	ug/kg	
3- & 4-Methylphenol (2)		2200	U	ug/kg	2200	900		ug/kg		940		ug/kg		1300	UJ	ug/kg	
Hexachloropropene		11000	U	ug/kg	11000	4300	U	ug/kg	4300	4400	U	ug/kg	4400	6600	UJ	ug/kg	
2-Acetylaminofluorene		2200	U	ug/kg	2200	880	U	ug/kg	880	900	U	ug/kg	900	1300	UJ	ug/kg	
PESTICIDES/PCBs	ug/kg																
alpha-BHC		4.5	U	ug/kg	4.5	1.8	U	ug/kg	1.8	1.8	UJ	ug/kg		11	U	ug/kg	11
beta-BHC		8.7	U	ug/kg	8.7	3.4	U	ug/kg	3.4	3.5	UJ	ug/kg		21	U	ug/kg	21
delta-BHC		4.5	U	ug/kg	4.5	1.8	U	ug/kg	1.8	1.8	UJ	ug/kg		11	U	ug/kg	11
gamma-BHC (Lindane)		4.5	U	ug/kg	4.5	1.8	U	ug/kg	1.8	1.8	UJ	ug/kg		11	U	ug/kg	11
Heptachlor		4.5	U	ug/kg	4.5	1.8	U	ug/kg	1.8	1.8	UJ	ug/kg		11	U	ug/kg	11
Aldrin		4.5	U	ug/kg	4.5	1.8	U	ug/kg	1.8	1.8	UJ	ug/kg		11	U	ug/kg	11
Heptachlor epoxide		4.5	U	ug/kg	4.5	1.8	U	ug/kg	1.8	1.8	UJ	ug/kg		11	U	ug/kg	11
Endosulfan I		4.5	U	ug/kg	4.5	1.8	U	ug/kg	1.8	1.8	UJ	ug/kg		11	U	ug/kg	11
Dieldrin		4.5	U	ug/kg	4.5	1.8	U	ug/kg	1.8	1.8	UJ	ug/kg		11	U	ug/kg	11
4,4-DDE		4.5	U	ug/kg	4.5	1.8	U	ug/kg	1.8	1.8	UJ	ug/kg		11	U	ug/kg	11
Endrin		8.7	U	ug/kg	8.7	3.4	U	ug/kg	3.4	3.5	UJ	ug/kg		21	U	ug/kg	21
Endosulfan II		8.7	U	ug/kg	8.7	3.4	U	ug/kg	3.4	3.5	UJ	ug/kg		21	U	ug/kg	21
4,4-DDD		8.7	U	ug/kg	8.7	3.4	U	ug/kg	3.4	3.5	UJ	ug/kg		21	U	ug/kg	21
Endosulfan sulfate		8.7	U	ug/kg	8.7	3.4	U	ug/kg	3.4	3.5	UJ	ug/kg		21	U	ug/kg	21
4,4-DDT		8.7	U	ug/kg	8.7	3.4	U	ug/kg	3.4	3.5	UJ	ug/kg		21	U	ug/kg	21
Methoxychlor		18	U	ug/kg	18	7.1	U	ug/kg	7.1	7.3	UJ	ug/kg		43	U	ug/kg	43
Endrin aldehyde		8.7	U	ug/kg	8.7	3.4	U	ug/kg	3.4	3.5	UJ	ug/kg		21	U	ug/kg	21
Endrin ketone		8.7	U	ug/kg	8.7	3.4	U	ug/kg	3.4	3.5	UJ	ug/kg		21	U	ug/kg	21
Chlordane		45	U	ug/kg	45	18	U	ug/kg	18	18	UJ	ug/kg		110	U	ug/kg	110
Chlorobenzilate		130	U	ug/kg	130	53	U	ug/kg	53	54	UJ	ug/kg		320	U	ug/kg	320
Diallate		270	U	ug/kg	270	100	U	ug/kg	100	110	UJ	ug/kg		640	U	ug/kg	640
Toxaphene		220	U	ug/kg	220	87	U	ug/kg	87	89	UJ	ug/kg		530	U	ug/kg	530
Isodrin		4.5	U	ug/kg	4.5	1.8	U	ug/kg	1.8	1.8	UJ	ug/kg		11	U	ug/kg	11
Kepone		270	U	ug/kg	270	100	U	ug/kg	100	110	U	ug/kg	110	320	U	ug/kg	320
Aroclor-1016		220	U	ug/kg	220	87	U	ug/kg	87	89	UJ	ug/kg		530	U	ug/kg	530
Aroclor-1221		450	U	ug/kg	450	180	U	ug/kg	180	180	UJ	ug/kg		1100	U	ug/kg	1100
Aroclor-1232		450	U	ug/kg	450	180	U	ug/kg	180	180	UJ	ug/kg		1100	U	ug/kg	1100
Aroclor-1242		220	U	ug/kg	220	87	U	ug/kg	87	89	UJ	ug/kg		530	U	ug/kg	530
Aroclor-1248		220	U	ug/kg	220	87	U	ug/kg	87	89	UJ	ug/kg		530	U	ug/kg	530
Aroclor-1254		110	U	ug/kg	110	45	U	ug/kg	45	46	UJ	ug/kg		270	U	ug/kg	270
Aroclor-1260		110	U	ug/kg	110	45	U	ug/kg	45	46	UJ	ug/kg		270	U	ug/kg	270
INORGANICS (SOIL)	mg/kg																
Antimony		1.8	U	mg/kg	1.8	1	UJ	mg/kg		1.6	UJ	mg/kg		1.8	UJ	mg/kg	
Arsenic		5.5	J	mg/kg		7.7	J	mg/kg		5	J	mg/kg		8.7	J	mg/kg	
Barium		22.4	J	mg/kg		13.9	J	mg/kg		12.5	J	mg/kg		51	J	mg/kg	

US Naval Station, Mayport, Florida
Analytical Results for Sediment Samples Collected at SWMU 4

Lab Sample Number:	M7628010				M7635009				M7635010				M7635004			
Site	GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator	02SD017				02SD020				02SD020D				02SD023			
Collect Date:	29-JUL-94				31-JUL-94				31-JUL-94				30-JUL-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Beryllium	.57	J	mg/kg		.46	J	mg/kg		.17	J	mg/kg		.17	J	mg/kg	
Cadmium	2.9	J	mg/kg		1.4	U	mg/kg	1.4	2.2	U	mg/kg	2.2	2.4	U	mg/kg	2.4
Chromium	16.5	J	mg/kg		17.7	J	mg/kg		8.9	J	mg/kg		12.4	J	mg/kg	
Cobalt	4.9	J	mg/kg		2.6	J	mg/kg		2	J	mg/kg		3.6	J	mg/kg	
Copper	15.8	J	mg/kg		23.2	J	mg/kg		6.3	J	mg/kg		19.8	J	mg/kg	
Cyanide	.38	U	mg/kg	.38	.24	J	mg/kg		.34	J	mg/kg		.4	J	mg/kg	
Lead	11.3	J	mg/kg		12.2	J	mg/kg		6.8	J	mg/kg		10.7	J	mg/kg	
Mercury	.4		mg/kg		.11	J	mg/kg		.1	U	mg/kg	.1	.16	U	mg/kg	.16
Nickel	9.8	J	mg/kg		5.6	J	mg/kg		5.3	U	mg/kg	5.3	7.7	J	mg/kg	
Selenium	1.1	U	mg/kg	1.1	.61	UJ	mg/kg		.95	UJ	mg/kg		1.1	J	mg/kg	
Silver	2.4	J	mg/kg		.95	U	mg/kg	.95	1.5	U	mg/kg	1.5	1.6	U	mg/kg	1.6
Thallium	1	U	mg/kg	1	.61	J	mg/kg		.93	UJ	mg/kg		1	UJ	mg/kg	
Tin	13.9	J	mg/kg		5.5	J	mg/kg		9.8	J	mg/kg		13.9	J	mg/kg	
Vanadium	23.5	J	mg/kg		20.4	J	mg/kg		15	J	mg/kg		23.2	J	mg/kg	
Zinc	103	J	mg/kg		40.2		mg/kg		57		mg/kg		84.5		mg/kg	
Total organic carbon	53100		mg/kg		51200		mg/kg		-		mg/kg		20500		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.

US Naval Station, Mayport, Florida
Analytical Results for Sediment Samples Collected at SWMU 4

Lab Sample Number:		M7635004RE			M7635002			M7635002DL			M7635011		
Site		GROUPI&II			GROUPI&II			GROUPI&II			GROUPI&II		
Locator		02SD023			02SD026			02SD026			02SD028		
Collect Date:		30-JUL-94			30-JUL-94			30-JUL-94			31-JUL-94		
		VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
VOLATILES	ug/kg												
Chloromethane		-	ug/kg		21 U	ug/kg	21	-	ug/kg		19 U	ug/kg	19
Bromomethane		-	ug/kg		21 U	ug/kg	21	-	ug/kg		19 UJ	ug/kg	
Vinyl chloride		-	ug/kg		21 U	ug/kg	21	-	ug/kg		19 U	ug/kg	19
Chloroethane		-	ug/kg		21 U	ug/kg	21	-	ug/kg		19 U	ug/kg	19
Methylene chloride		-	ug/kg		10 UJ	ug/kg		-	ug/kg		10 U	ug/kg	10
Acetone		-	ug/kg		10 UJ	ug/kg		-	ug/kg		64 UJ	ug/kg	
Carbon disulfide		-	ug/kg		10 U	ug/kg	10	-	ug/kg		3 J	ug/kg	
1,1-Dichloroethane		-	ug/kg		10 U	ug/kg	10	-	ug/kg		10 U	ug/kg	10
1,1-Dichloroethene		-	ug/kg		10 U	ug/kg	10	-	ug/kg		10 U	ug/kg	10
1,2-Dichloroethene (total)		-	ug/kg		10 U	ug/kg	10	-	ug/kg		10 U	ug/kg	10
Chloroform		-	ug/kg		10 U	ug/kg	10	-	ug/kg		10 U	ug/kg	10
1,2-Dichloroethane		-	ug/kg		10 U	ug/kg	10	-	ug/kg		10 U	ug/kg	10
2-Butanone		-	ug/kg		21 R	ug/kg		-	ug/kg		6 J	ug/kg	
1,1,1-Trichloroethane		-	ug/kg		10 U	ug/kg	10	-	ug/kg		10 U	ug/kg	10
Carbon tetrachloride		-	ug/kg		10 U	ug/kg	10	-	ug/kg		10 U	ug/kg	10
Bromodichloromethane		-	ug/kg		10 U	ug/kg	10	-	ug/kg		10 U	ug/kg	10
1,2-Dichloropropane		-	ug/kg		10 U	ug/kg	10	-	ug/kg		10 U	ug/kg	10
cis-1,3-Dichloropropene		-	ug/kg		10 U	ug/kg	10	-	ug/kg		10 U	ug/kg	10
Trichloroethene		-	ug/kg		10 U	ug/kg	10	-	ug/kg		10 U	ug/kg	10
Dibromochloromethane		-	ug/kg		10 U	ug/kg	10	-	ug/kg		10 U	ug/kg	10
1,1,2-Trichloroethane		-	ug/kg		10 U	ug/kg	10	-	ug/kg		10 U	ug/kg	10
Benzene		-	ug/kg		10 U	ug/kg	10	-	ug/kg		10 U	ug/kg	10
trans-1,3-Dichloropropene		-	ug/kg		10 U	ug/kg	10	-	ug/kg		10 U	ug/kg	10
Bromoform		-	ug/kg		10 U	ug/kg	10	-	ug/kg		10 U	ug/kg	10
4-Methyl-2-pentanone		-	ug/kg		21 U	ug/kg	21	-	ug/kg		19 U	ug/kg	19
2-Hexanone		-	ug/kg		21 U	ug/kg	21	-	ug/kg		19 U	ug/kg	19
Tetrachloroethene		-	ug/kg		10 U	ug/kg	10	-	ug/kg		10 U	ug/kg	10
1,1,2,2-Tetrachloroethane		-	ug/kg		10 U	ug/kg	10	-	ug/kg		10 U	ug/kg	10
Toluene		-	ug/kg		10 U	ug/kg	10	-	ug/kg		10 U	ug/kg	10
Chlorobenzene		-	ug/kg		10 U	ug/kg	10	-	ug/kg		10 U	ug/kg	10
Ethylbenzene		-	ug/kg		10 U	ug/kg	10	-	ug/kg		10 U	ug/kg	10
Styrene		-	ug/kg		10 U	ug/kg	10	-	ug/kg		10 U	ug/kg	10
Xylenes (total)		-	ug/kg		10 U	ug/kg	10	-	ug/kg		10 U	ug/kg	10
Dichlorodifluoromethane		-	ug/kg		21 U	ug/kg	21	-	ug/kg		19 U	ug/kg	19
Trichlorofluoromethane		-	ug/kg		10 U	ug/kg	10	-	ug/kg		10 U	ug/kg	10
1,3-Dichlorobenzene		13000 UJ	ug/kg		760 UJ	ug/kg		7600 U	ug/kg	7600	10 U	ug/kg	10
Acrolein		-	ug/kg		210 U	ug/kg	210	-	ug/kg		190 U	ug/kg	190
Iodomethane		-	ug/kg		21 U	ug/kg	21	-	ug/kg		19 U	ug/kg	19
1,4-Dichlorobenzene		13000 UJ	ug/kg		760 UJ	ug/kg		7600 U	ug/kg	7600	10 U	ug/kg	10
Acrylonitrile		-	ug/kg		210 U	ug/kg	210	-	ug/kg		190 U	ug/kg	190

US Naval Station, Mayport, Florida
Analytical Results for Sediment Samples Collected at SWMU 4

Lab Sample Number:		M7635004RE				M7635002				M7635002DL				M7635011			
Site		GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator		02SD023				02SD026				02SD026				02SD028			
Collect Date:		30-JUL-94				30-JUL-94				30-JUL-94				31-JUL-94			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Dibromomethane		-		ug/kg		10	U	ug/kg	10	-		ug/kg		10	U	ug/kg	10
1,2-Dichlorobenzene		13000	UJ	ug/kg		10	U	ug/kg	10	7600	U	ug/kg	7600	1000	U	ug/kg	1000
2-Chloroethylvinyl ether		-		ug/kg		21	U	ug/kg	21	-		ug/kg		19	U	ug/kg	19
Ethyl methacrylate		-		ug/kg		10	U	ug/kg	10	-		ug/kg		10	U	ug/kg	10
1,2,3-Trichloropropane		-		ug/kg		10	U	ug/kg	10	-		ug/kg		10	U	ug/kg	10
trans-1,4-Dichloro-2-butene		-		ug/kg		10	U	ug/kg	10	-		ug/kg		10	U	ug/kg	10
Isobutyl alcohol		-		ug/kg		420	U	ug/kg	420	-		ug/kg		380	U	ug/kg	380
1,1,1,2-Tetrachloroethane		-		ug/kg		10	U	ug/kg	10	-		ug/kg		10	U	ug/kg	10
1,2-Dibromo-3-chloropropane		-		ug/kg		220	U	ug/kg	220	-		ug/kg		200	U	ug/kg	200
Ethylene dibromide		-		ug/kg		10	U	ug/kg	10	-		ug/kg		10	U	ug/kg	10
1,4-Dioxane		-		ug/kg		420	R	ug/kg		-		ug/kg		380	R	ug/kg	
3-Chloropropene		-		ug/kg		10	U	ug/kg	10	-		ug/kg		10	U	ug/kg	10
Acetonitrile		-		ug/kg		210	U	ug/kg	210	-		ug/kg		190	U	ug/kg	190
Chloroprene		-		ug/kg		420	U	ug/kg	420	-		ug/kg		380	U	ug/kg	380
Methacrylonitrile		-		ug/kg		10	U	ug/kg	10	-		ug/kg		10	U	ug/kg	10
Methyl methacrylate		-		ug/kg		21	U	ug/kg	21	-		ug/kg		19	U	ug/kg	19
Pentachloroethane		-		ug/kg		21	U	ug/kg	21	-		ug/kg		19	U	ug/kg	19
Propionitrile		-		ug/kg		210	U	ug/kg	210	-		ug/kg		190	U	ug/kg	190
Vinyl acetate		-		ug/kg		21	U	ug/kg	21	-		ug/kg		19	U	ug/kg	19
SEMIVOLATILES	ug/kg																
N-Nitrosodimethylamine		13000	UJ	ug/kg		760	UJ	ug/kg		7600	U	ug/kg	7600	1000	U	ug/kg	1000
Phenol		13000	UJ	ug/kg		760	UJ	ug/kg		7600	U	ug/kg	7600	1000	U	ug/kg	1000
Aniline		13000	UJ	ug/kg		760	UJ	ug/kg		7600	UJ	ug/kg		1000	U	ug/kg	1000
bis(2-Chloroethyl) ether		13000	UJ	ug/kg		760	UJ	ug/kg		7600	U	ug/kg	7600	1000	U	ug/kg	1000
Benzyl Alcohol		13000	UJ	ug/kg		760	UJ	ug/kg		7600	U	ug/kg	7600	1000	U	ug/kg	1000
2-Methylphenol		13000	UJ	ug/kg		760	UJ	ug/kg		7600	U	ug/kg	7600	1000	U	ug/kg	1000
bis(2-Chloroisopropyl) ether		13000	UJ	ug/kg		760	UJ	ug/kg		7600	UJ	ug/kg		1000	U	ug/kg	1000
N-Nitroso-di-n-propylamine		13000	UJ	ug/kg		760	UJ	ug/kg		7600	U	ug/kg	7600	1000	U	ug/kg	1000
Hexachloroethane		13000	UJ	ug/kg		760	UJ	ug/kg		7600	U	ug/kg	7600	1000	U	ug/kg	1000
Nitrobenzene		13000	UJ	ug/kg		760	UJ	ug/kg		7600	U	ug/kg	7600	1000	U	ug/kg	1000
Isophorone		13000	UJ	ug/kg		760	UJ	ug/kg		7600	U	ug/kg	7600	1000	U	ug/kg	1000
2-Nitrophenol		13000	UJ	ug/kg		760	UJ	ug/kg		7600	U	ug/kg	7600	1000	U	ug/kg	1000
2,4-Dimethylphenol		13000	UJ	ug/kg		760	UJ	ug/kg		7600	U	ug/kg	7600	1000	U	ug/kg	1000
Benzoic acid		66000	UJ	ug/kg		3800	R	ug/kg		38000	UJ	ug/kg		5000	R	ug/kg	
bis(2-Chloroethoxy) methane		13000	UJ	ug/kg		760	UJ	ug/kg		7600	U	ug/kg	7600	1000	U	ug/kg	1000
2,4-Dichlorophenol		13000	UJ	ug/kg		760	UJ	ug/kg		7600	U	ug/kg	7600	1000	U	ug/kg	1000
1,2,4-Trichlorobenzene		13000	UJ	ug/kg		760	UJ	ug/kg		7600	U	ug/kg	7600	1000	U	ug/kg	1000
Naphthalene		13000	UJ	ug/kg		760	UJ	ug/kg		7600	U	ug/kg	7600	1000	U	ug/kg	1000
4-Chloroaniline		13000	UJ	ug/kg		760	UJ	ug/kg		7600	U	ug/kg	7600	1000	U	ug/kg	1000
Hexachlorobutadiene		13000	UJ	ug/kg		760	UJ	ug/kg		7600	U	ug/kg	7600	1000	U	ug/kg	1000
4-Chloro-3-methylphenol		13000	UJ	ug/kg		760	UJ	ug/kg		7600	U	ug/kg	7600	1000	U	ug/kg	1000
2-Methylnaphthalene		13000	UJ	ug/kg		760	UJ	ug/kg		7600	U	ug/kg	7600	1000	U	ug/kg	1000
Hexachlorocyclopentadiene		13000	UJ	ug/kg		760	UJ	ug/kg		7600	U	ug/kg	7600	1000	U	ug/kg	1000
2,4,6-Trichlorophenol		13000	UJ	ug/kg		760	UJ	ug/kg		7600	U	ug/kg	7600	1000	U	ug/kg	1000
Dimethylphthalate		13000	UJ	ug/kg		760	UJ	ug/kg		7600	U	ug/kg	7600	1000	U	ug/kg	1000
2,4,5-Trichlorophenol		66000	UJ	ug/kg		3800	UJ	ug/kg		38000	U	ug/kg	38000	5000	U	ug/kg	5000
2-Chloronaphthalene		13000	UJ	ug/kg		760	UJ	ug/kg		7600	U	ug/kg	7600	1000	U	ug/kg	1000
2-Nitroaniline		66000	UJ	ug/kg		3800	UJ	ug/kg		38000	U	ug/kg	38000	5000	U	ug/kg	5000
Acenaphthylene		13000	UJ	ug/kg		760	UJ	ug/kg		7600	U	ug/kg	7600	1000	U	ug/kg	1000
2,6-Dinitrotoluene		13000	UJ	ug/kg		760	UJ	ug/kg		7600	U	ug/kg	7600	1000	U	ug/kg	1000
3-Nitroaniline		66000	UJ	ug/kg		3800	UJ	ug/kg		38000	U	ug/kg	38000	5000	U	ug/kg	5000

US Naval Station, Mayport, Florida
Analytical Results for Sediment Samples Collected at SWMU 4

Lab Sample Number:	M7635004RE				M7635002				M7635002DL				M7635011			
Site	GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator	02SD023				02SD026				02SD026				02SD028			
Collect Date:	30-JUL-94				30-JUL-94				30-JUL-94				31-JUL-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Acenaphthene	13000	UJ	ug/kg		760	UJ	ug/kg		7600	U	ug/kg	7600	1000	U	ug/kg	1000
2,4-Dinitrophenol	66000	UJ	ug/kg		3800	UJ	ug/kg		38000	U	ug/kg	38000	5000	U	ug/kg	5000
4-Nitrophenol	66000	UJ	ug/kg		3800	UJ	ug/kg		38000	U	ug/kg	38000	5000	U	ug/kg	5000
Dibenzofuran	13000	UJ	ug/kg		760	UJ	ug/kg		7600	U	ug/kg	7600	1000	U	ug/kg	1000
2,4-Dinitrotoluene	13000	UJ	ug/kg		760	UJ	ug/kg		7600	U	ug/kg	7600	1000	U	ug/kg	1000
Diethylphthalate	13000	UJ	ug/kg		760	UJ	ug/kg		7600	U	ug/kg	7600	1000	U	ug/kg	1000
4-Chlorophenyl-phenylether	13000	UJ	ug/kg		760	UJ	ug/kg		7600	U	ug/kg	7600	1000	U	ug/kg	1000
Fluorene	13000	UJ	ug/kg		760	UJ	ug/kg		7600	U	ug/kg	7600	1000	U	ug/kg	1000
4-Nitroaniline	66000	UJ	ug/kg		3800	UJ	ug/kg		38000	U	ug/kg	38000	5000	U	ug/kg	5000
4,6-Dinitro-2-methylphenol	66000	UJ	ug/kg		3800	UJ	ug/kg		38000	U	ug/kg	38000	5000	U	ug/kg	5000
N-Nitrosodiphenylamine	13000	UJ	ug/kg		760	UJ	ug/kg		7600	U	ug/kg	7600	1000	U	ug/kg	1000
1,2-Diphenylhydrazine	13000	UJ	ug/kg		760	UJ	ug/kg		7600	UJ	ug/kg		1000	U	ug/kg	1000
4-Bromophenyl-phenylether	13000	UJ	ug/kg		760	UJ	ug/kg		7600	U	ug/kg	7600	1000	U	ug/kg	1000
Hexachlorobenzene	13000	UJ	ug/kg		760	UJ	ug/kg		7600	U	ug/kg	7600	1000	U	ug/kg	1000
Pentachlorophenol	66000	UJ	ug/kg		3800	UJ	ug/kg		38000	U	ug/kg	38000	5000	U	ug/kg	5000
Phenanthrene	13000	UJ	ug/kg		760	UJ	ug/kg		7600	U	ug/kg	7600	1000	U	ug/kg	1000
Anthracene	13000	UJ	ug/kg		760	UJ	ug/kg		7600	U	ug/kg	7600	1000	U	ug/kg	1000
Di-n-Butylphthalate	13000	UJ	ug/kg		760	UJ	ug/kg		7600	U	ug/kg	7600	1000	UJ	ug/kg	
Fluoranthene	13000	UJ	ug/kg		760	UJ	ug/kg		7600	U	ug/kg	7600	1000	U	ug/kg	1000
Pyrene	13000	UJ	ug/kg		760	UJ	ug/kg		7600	U	ug/kg	7600	1000	U	ug/kg	1000
Butylbenzylphthalate	13000	UJ	ug/kg		760	UJ	ug/kg		7600	U	ug/kg	7600	1000	U	ug/kg	1000
3,3-Dichlorobenzidine	27000	UJ	ug/kg		1500	UJ	ug/kg		15000	U	ug/kg	15000	2000	U	ug/kg	2000
Benzo (a) anthracene	13000	UJ	ug/kg		760	UJ	ug/kg		7600	U	ug/kg	7600	1000	U	ug/kg	1000
Chrysene	13000	UJ	ug/kg		760	UJ	ug/kg		7600	U	ug/kg	7600	1000	U	ug/kg	1000
bis(2-Ethylhexyl) phthalate	13000	UJ	ug/kg		16000	J	ug/kg		20000	J	ug/kg		1000	U	ug/kg	1000
Di-n-octylphthalate	13000	UJ	ug/kg		130	J	ug/kg		7600	U	ug/kg	7600	1000	U	ug/kg	1000
Benzo (b) fluoranthene	13000	UJ	ug/kg		760	UJ	ug/kg		7600	U	ug/kg	7600	1000	U	ug/kg	1000
Benzo (k) fluoranthene	13000	UJ	ug/kg		760	UJ	ug/kg		7600	U	ug/kg	7600	1000	U	ug/kg	1000
Benzo (a) pyrene	13000	UJ	ug/kg		760	UJ	ug/kg		7600	U	ug/kg	7600	1000	U	ug/kg	1000
Indeno (1,2,3-cd) pyrene	13000	UJ	ug/kg		760	UJ	ug/kg		7600	U	ug/kg	7600	1000	U	ug/kg	1000
Dibenzo (a,h) anthracene	13000	UJ	ug/kg		760	UJ	ug/kg		7600	U	ug/kg	7600	1000	U	ug/kg	1000
Benzo (g,h,i) perylene	13000	UJ	ug/kg		760	UJ	ug/kg		7600	U	ug/kg	7600	1000	U	ug/kg	1000
2-Picoline	66000	UJ	ug/kg		3800	UJ	ug/kg		38000	U	ug/kg	38000	5000	U	ug/kg	5000
Methyl methanesulfonate	13000	UJ	ug/kg		760	UJ	ug/kg		7600	U	ug/kg	7600	1000	U	ug/kg	1000
Ethyl methanesulfonate	13000	UJ	ug/kg		760	UJ	ug/kg		7600	U	ug/kg	7600	1000	U	ug/kg	1000
Acetophenone	13000	UJ	ug/kg		760	UJ	ug/kg		7600	U	ug/kg	7600	1000	U	ug/kg	1000
N-Nitrosopiperidine	13000	UJ	ug/kg		760	UJ	ug/kg		7600	U	ug/kg	7600	1000	U	ug/kg	1000
Phenyl-tert-butylamine	66000	UJ	ug/kg		3800	UJ	ug/kg		38000	U	ug/kg	38000	5000	UJ	ug/kg	
2,6-Dichlorophenol	13000	UJ	ug/kg		760	UJ	ug/kg		7600	U	ug/kg	7600	1000	U	ug/kg	1000
N-Nitroso-di-n-butylamine	13000	UJ	ug/kg		760	UJ	ug/kg		7600	U	ug/kg	7600	1000	U	ug/kg	1000
N-Nitrosodiethylamine	13000	UJ	ug/kg		760	UJ	ug/kg		7600	U	ug/kg	7600	1000	U	ug/kg	1000
N-Nitrosopyrrolidine	13000	UJ	ug/kg		760	UJ	ug/kg		7600	U	ug/kg	7600	1000	U	ug/kg	1000
Benzidine	66000	UJ	ug/kg		3800	UJ	ug/kg		38000	U	ug/kg	38000	5000	U	ug/kg	5000
1,2,4,5-Tetrachlorobenzene	66000	UJ	ug/kg		3800	UJ	ug/kg		38000	U	ug/kg	38000	5000	U	ug/kg	5000
Pentachlorobenzene	66000	UJ	ug/kg		3800	UJ	ug/kg		38000	U	ug/kg	38000	5000	U	ug/kg	5000
1-Naphthylamine	66000	UJ	ug/kg		3800	UJ	ug/kg		38000	U	ug/kg	38000	5000	U	ug/kg	5000
2-Naphthylamine	66000	UJ	ug/kg		3800	UJ	ug/kg		38000	U	ug/kg	38000	5000	U	ug/kg	5000
2,3,4,6-Tetrachlorophenol	13000	UJ	ug/kg		760	UJ	ug/kg		7600	U	ug/kg	7600	1000	U	ug/kg	1000
Phenacetin	13000	UJ	ug/kg		760	UJ	ug/kg		7600	U	ug/kg	7600	1000	U	ug/kg	1000
4-Aminobiphenyl	66000	UJ	ug/kg		3800	UJ	ug/kg		38000	U	ug/kg	38000	5000	U	ug/kg	5000
Pentachloronitrobenzene	66000	UJ	ug/kg		3800	UJ	ug/kg		38000	U	ug/kg	38000	5000	U	ug/kg	5000
Pronamide	13000	UJ	ug/kg		760	UJ	ug/kg		7600	U	ug/kg	7600	1000	U	ug/kg	1000

US Naval Station, Mayport, Florida
Analytical Results for Sediment Samples Collected at SWMU 4

Lab Sample Number:		M7635004RE				M7635002				M7635002DL				M7635011			
Site		GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator		02SD023				02SD026				02SD026				02SD028			
Collect Date:		30-JUL-94				30-JUL-94				30-JUL-94				31-JUL-94			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
p-Dimethylaminoazobenzene		13000	UJ	ug/kg		760	UJ	ug/kg		7600	U	ug/kg	7600	1000	U	ug/kg	1000
7,12-Dimethylbenz(A)Anthracene		13000	UJ	ug/kg		760	UJ	ug/kg		7600	U	ug/kg	7600	1000	U	ug/kg	1000
3-Methylcholanthrene		13000	UJ	ug/kg		760	UJ	ug/kg		7600	U	ug/kg	7600	1000	U	ug/kg	1000
Pyridine		66000	UJ	ug/kg		3800	UJ	ug/kg		38000	U	ug/kg	38000	5000	U	ug/kg	5000
N-Nitrosomethylethylamine		13000	UJ	ug/kg		760	UJ	ug/kg		7600	U	ug/kg	7600	1000	U	ug/kg	1000
N-Nitrosomorpholine		13000	UJ	ug/kg		760	UJ	ug/kg		7600	U	ug/kg	7600	1000	U	ug/kg	1000
o-Toluidine		13000	UJ	ug/kg		760	UJ	ug/kg		7600	U	ug/kg	7600	1000	U	ug/kg	1000
Hexachloropropene		66000	UJ	ug/kg		3800	UJ	ug/kg		38000	U	ug/kg	38000	5000	U	ug/kg	5000
p-Phenylenediamine		660000	UJ	ug/kg		38000	UJ	ug/kg		380000	U	ug/kg	380000	50000	UJ	ug/kg	
Safrole		66000	UJ	ug/kg		3800	UJ	ug/kg		38000	U	ug/kg	38000	5000	U	ug/kg	5000
Isosafrole		66000	UJ	ug/kg		3800	UJ	ug/kg		38000	U	ug/kg	38000	5000	U	ug/kg	5000
1,4-Naphthoquinone		1300000	UJ	ug/kg		75000	UJ	ug/kg		750000	U	ug/kg	750000	100000	U	ug/kg	100000
1,3-Dinitrobenzene		13000	UJ	ug/kg		760	UJ	ug/kg		7600	U	ug/kg	7600	1000	U	ug/kg	1000
5-Nitro-o-toluidine		13000	UJ	ug/kg		760	UJ	ug/kg		7600	U	ug/kg	7600	1000	U	ug/kg	1000
1,3,5-Trinitrobenzene		13000	UJ	ug/kg		760	UJ	ug/kg		7600	UJ	ug/kg		1000	UJ	ug/kg	
4-Nitroquinoline-1-oxide		660000	UJ	ug/kg		38000	UJ	ug/kg		380000	U	ug/kg	380000	50000	U	ug/kg	50000
Methapyrilene		66000	UJ	ug/kg		3800	UJ	ug/kg		38000	U	ug/kg	38000	5000	UJ	ug/kg	
3,3-Dimethylbenzidine		13000	UJ	ug/kg		760	UJ	ug/kg		7600	U	ug/kg	7600	1000	U	ug/kg	1000
Hexachlorophene		660000	UJ	ug/kg		38000	R	ug/kg		380000	UJ	ug/kg		50000	R	ug/kg	
Aramite		66000	UJ	ug/kg		3800	UJ	ug/kg		38000	U	ug/kg	38000	5000	U	ug/kg	5000
2-Chlorophenol		13000	UJ	ug/kg		760	UJ	ug/kg		7600	U	ug/kg	7600	1000	U	ug/kg	1000
3- & 4-Methylphenol (2)		13000	UJ	ug/kg		760	UJ	ug/kg		7600	U	ug/kg	7600	1000	U	ug/kg	1000
Hexachloropropene		66000	UJ	ug/kg		3800	UJ	ug/kg		38000	U	ug/kg	38000	5000	U	ug/kg	5000
2-Acetylaminofluorene		13000	UJ	ug/kg		760	UJ	ug/kg		7600	U	ug/kg	7600	1000	U	ug/kg	1000
PESTICIDES/PCBs	ug/kg																
alpha-BHC		-		ug/kg		1.5	U	ug/kg	1.5	-		ug/kg		2	U	ug/kg	2
beta-BHC		-		ug/kg		3	U	ug/kg	3	-		ug/kg		3.9	U	ug/kg	3.9
delta-BHC		-		ug/kg		1.5	U	ug/kg	1.5	-		ug/kg		2	U	ug/kg	2
gamma-BHC (Lindane)		-		ug/kg		1.5	U	ug/kg	1.5	-		ug/kg		2	U	ug/kg	2
Heptachlor		-		ug/kg		1.5	U	ug/kg	1.5	-		ug/kg		2	U	ug/kg	2
Aldrin		-		ug/kg		1.5	U	ug/kg	1.5	-		ug/kg		2	U	ug/kg	2
Heptachlor epoxide		-		ug/kg		1.5	U	ug/kg	1.5	-		ug/kg		2	U	ug/kg	2
Endosulfan I		-		ug/kg		1.5	U	ug/kg	1.5	-		ug/kg		2	U	ug/kg	2
Dieldrin		-		ug/kg		1.5	U	ug/kg	1.5	-		ug/kg		2	U	ug/kg	2
4,4-DDE		-		ug/kg		1.5	U	ug/kg	1.5	-		ug/kg		2	U	ug/kg	2
Endrin		-		ug/kg		3	U	ug/kg	3	-		ug/kg		3.9	U	ug/kg	3.9
Endosulfan II		-		ug/kg		3	U	ug/kg	3	-		ug/kg		3.9	U	ug/kg	3.9
4,4-DDD		-		ug/kg		3	U	ug/kg	3	-		ug/kg		3.9	U	ug/kg	3.9
Endosulfan sulfate		-		ug/kg		3	U	ug/kg	3	-		ug/kg		3.9	U	ug/kg	3.9
4,4-DDT		-		ug/kg		3	U	ug/kg	3	-		ug/kg		3.9	U	ug/kg	3.9
Methoxychlor		-		ug/kg		6.1	U	ug/kg	6.1	-		ug/kg		8.2	U	ug/kg	8.2
Endrin aldehyde		-		ug/kg		3	U	ug/kg	3	-		ug/kg		3.9	U	ug/kg	3.9
Endrin ketone		-		ug/kg		3	U	ug/kg	3	-		ug/kg		3.9	U	ug/kg	3.9
Chlordane		-		ug/kg		15	U	ug/kg	15	-		ug/kg		20	U	ug/kg	20
Chlorobenzilate		-		ug/kg		45	U	ug/kg	45	-		ug/kg		61	U	ug/kg	61
Diallate		-		ug/kg		91	U	ug/kg	91	-		ug/kg		120	U	ug/kg	120
Toxaphene		-		ug/kg		75	U	ug/kg	75	-		ug/kg		100	U	ug/kg	100
Isodrin		-		ug/kg		1.5	U	ug/kg	1.5	-		ug/kg		2	U	ug/kg	2
Kepone		-		ug/kg		91	U	ug/kg	91	-		ug/kg		120	U	ug/kg	120
Aroclor-1016		-		ug/kg		75	U	ug/kg	75	-		ug/kg		100	U	ug/kg	100
Aroclor-1221		-		ug/kg		150	U	ug/kg	150	-		ug/kg		200	U	ug/kg	200

US Naval Station, Mayport, Florida
Analytical Results for Sediment Samples Collected at SWMU 4

Lab Sample Number:		M7635004RE				M7635002				M7635002DL				M7635011			
Site		GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator		02SD023				02SD026				02SD026				02SD028			
Collect Date:		30-JUL-94				30-JUL-94				30-JUL-94				31-JUL-94			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Aroclor-1232		-		ug/kg		150	U	ug/kg	150	-		ug/kg		200	U	ug/kg	200
Aroclor-1242		-		ug/kg		75	U	ug/kg	75	-		ug/kg		100	U	ug/kg	100
Aroclor-1248		-		ug/kg		75	U	ug/kg	75	-		ug/kg		100	U	ug/kg	100
Aroclor-1254		-		ug/kg		39	U	ug/kg	39	-		ug/kg		52	U	ug/kg	52
Aroclor-1260		-		ug/kg		39	U	ug/kg	39	-		ug/kg		52	U	ug/kg	52
INORGANICS (SOIL)	mg/kg																
Antimony		-		mg/kg		.91	UJ	mg/kg		-		mg/kg		1.3	UJ	mg/kg	
Arsenic		-		mg/kg		11.9	J	mg/kg		-		mg/kg		8.8	J	mg/kg	
Barium		-		mg/kg		20.4	J	mg/kg		-		mg/kg		19.3	J	mg/kg	
Beryllium		-		mg/kg		.71	J	mg/kg		-		mg/kg		.65	J	mg/kg	
Cadmium		-		mg/kg		1.2	U	mg/kg	1.2	-		mg/kg		1.7	U	mg/kg	1.7
Chromium		-		mg/kg		27.1	J	mg/kg		-		mg/kg		27.3	J	mg/kg	
Cobalt		-		mg/kg		4.8	J	mg/kg		-		mg/kg		4.5	J	mg/kg	
Copper		-		mg/kg		17.5	J	mg/kg		-		mg/kg		11	J	mg/kg	
Cyanide		-		mg/kg		.66	J	mg/kg		-		mg/kg		.29	J	mg/kg	
Lead		-		mg/kg		16.9	J	mg/kg		-		mg/kg		12.6	J	mg/kg	
Mercury		-		mg/kg		.4		mg/kg		-		mg/kg		.11	U	mg/kg	.11
Nickel		-		mg/kg		12.4	J	mg/kg		-		mg/kg		9.5	J	mg/kg	
Selenium		-		mg/kg		.86	J	mg/kg		-		mg/kg		.76	UJ	mg/kg	
Silver		-		mg/kg		.84	U	mg/kg	.84	-		mg/kg		1.2	U	mg/kg	1.2
Thallium		-		mg/kg		.59	J	mg/kg		-		mg/kg		1.2	J	mg/kg	
Tin		-		mg/kg		4.4	J	mg/kg		-		mg/kg		9	J	mg/kg	
Vanadium		-		mg/kg		49.1		mg/kg		-		mg/kg		32.6		mg/kg	
Zinc		-		mg/kg		62.2		mg/kg		-		mg/kg		68		mg/kg	
Total organic carbon		-		mg/kg		31500		mg/kg		-		mg/kg		23500		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.

US Naval Station, Mayport, Florida
Analytical Results for Sediment Samples Collected at SWMU 4

Lab Sample Number:		M7616005			M7616006			M7628011			M7635006		
Site		GROUPI&II			GROUPI&II			GROUPI&II			GROUPI&II		
Locator		02SD031			02SD031D			02SD032			02SD033		
Collect Date:		28-JUL-94			28-JUL-94			29-JUL-94			30-JUL-94		
		VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
VOLATILES	ug/kg												
Chloromethane		15 U	ug/kg	15	12 U	ug/kg	12	25 U	ug/kg	25	30 U	ug/kg	30
Bromomethane		15 U	ug/kg	15	12 U	ug/kg	12	25 U	ug/kg	25	30 U	ug/kg	30
Vinyl chloride		15 U	ug/kg	15	12 U	ug/kg	12	25 U	ug/kg	25	30 U	ug/kg	30
Chloroethane		15 U	ug/kg	15	12 U	ug/kg	12	25 U	ug/kg	25	30 U	ug/kg	30
Methylene chloride		7 U	ug/kg	7	6 U	ug/kg	6	12 U	ug/kg	12	18 U	ug/kg	18
Acetone		23 UJ	ug/kg		56 J	ug/kg		89 UJ	ug/kg		66 J	ug/kg	
Carbon disulfide		3 J	ug/kg		2 J	ug/kg		13	ug/kg		10 J	ug/kg	
1,1-Dichloroethane		7 U	ug/kg	7	6 U	ug/kg	6	12 U	ug/kg	12	15 U	ug/kg	15
1,1-Dichloroethene		7 U	ug/kg	7	6 U	ug/kg	6	12 U	ug/kg	12	15 U	ug/kg	15
1,2-Dichloroethene (total)		7 U	ug/kg	7	6 U	ug/kg	6	12 U	ug/kg	12	15 U	ug/kg	15
Chloroform		7 U	ug/kg	7	6 U	ug/kg	6	12 U	ug/kg	12	15 U	ug/kg	15
1,2-Dichloroethane		7 U	ug/kg	7	6 U	ug/kg	6	12 U	ug/kg	12	15 U	ug/kg	15
2-Butanone		4 J	ug/kg		12 J	ug/kg		25 J	ug/kg		30 R	ug/kg	
1,1,1-Trichloroethane		7 U	ug/kg	7	6 U	ug/kg	6	12 U	ug/kg	12	15 U	ug/kg	15
Carbon tetrachloride		7 U	ug/kg	7	6 U	ug/kg	6	12 U	ug/kg	12	15 U	ug/kg	15
Bromodichloromethane		7 U	ug/kg	7	6 U	ug/kg	6	12 U	ug/kg	12	15 U	ug/kg	15
1,2-Dichloropropane		7 U	ug/kg	7	6 U	ug/kg	6	12 U	ug/kg	12	15 U	ug/kg	15
cis-1,3-Dichloropropene		7 U	ug/kg	7	6 U	ug/kg	6	12 U	ug/kg	12	15 U	ug/kg	15
Trichloroethene		7 U	ug/kg	7	6 U	ug/kg	6	12 U	ug/kg	12	15 U	ug/kg	15
Dibromochloromethane		7 U	ug/kg	7	6 U	ug/kg	6	12 U	ug/kg	12	15 U	ug/kg	15
1,1,2-Trichloroethane		7 U	ug/kg	7	6 U	ug/kg	6	12 U	ug/kg	12	15 U	ug/kg	15
Benzene		7 U	ug/kg	7	6 U	ug/kg	6	12 U	ug/kg	12	15 U	ug/kg	15
trans-1,3-Dichloropropene		7 U	ug/kg	7	6 U	ug/kg	6	12 U	ug/kg	12	15 U	ug/kg	15
Bromoform		7 U	ug/kg	7	6 U	ug/kg	6	12 U	ug/kg	12	15 U	ug/kg	15
4-Methyl-2-pentanone		15 U	ug/kg	15	12 U	ug/kg	12	25 U	ug/kg	25	30 U	ug/kg	30
2-Hexanone		15 U	ug/kg	15	12 U	ug/kg	12	25 U	ug/kg	25	30 U	ug/kg	30
Tetrachloroethene		7 U	ug/kg	7	6 U	ug/kg	6	12 U	ug/kg	12	15 U	ug/kg	15
1,1,2,2-Tetrachloroethane		7 U	ug/kg	7	6 U	ug/kg	6	12 U	ug/kg	12	15 U	ug/kg	15
Toluene		7 U	ug/kg	7	6 U	ug/kg	6	12 U	ug/kg	12	15 U	ug/kg	15
Chlorobenzene		7 U	ug/kg	7	6 U	ug/kg	6	22	ug/kg		15 U	ug/kg	15
Ethylbenzene		7 U	ug/kg	7	6 U	ug/kg	6	12 U	ug/kg	12	15 U	ug/kg	15
Styrene		7 U	ug/kg	7	6 U	ug/kg	6	12 U	ug/kg	12	15 U	ug/kg	15
Xylenes (total)		7 U	ug/kg	7	6 U	ug/kg	6	12 U	ug/kg	12	15 U	ug/kg	15
Dichlorodifluoromethane		15 U	ug/kg	15	12 U	ug/kg	12	25 U	ug/kg	25	30 U	ug/kg	30
Trichlorofluoromethane		7 U	ug/kg	7	6 U	ug/kg	6	12 U	ug/kg	12	15 U	ug/kg	15
1,3-Dichlorobenzene		7 U	ug/kg	7	860 U	ug/kg	860	12 U	ug/kg	12	15 U	ug/kg	15
Acrolein		150 U	ug/kg	150	120 U	ug/kg	120	250 U	ug/kg	250	300 U	ug/kg	300
Iodomethane		15 U	ug/kg	15	12 U	ug/kg	12	25 U	ug/kg	25	30 U	ug/kg	30
1,4-Dichlorobenzene		7 U	ug/kg	7	6 U	ug/kg	6	12 U	ug/kg	12	15 U	ug/kg	15
Acrylonitrile		150 U	ug/kg	150	120 U	ug/kg	120	250 U	ug/kg	250	300 U	ug/kg	300

US Naval Station, Mayport, Florida
Analytical Results for Sediment Samples Collected at SWMU 4

Lab Sample Number:		M7616005				M7616006				M7628011				M7635006			
Site		GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator		02SD031				02SD031D				02SD032				02SD033			
Collect Date:		28-JUL-94				28-JUL-94				29-JUL-94				30-JUL-94			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Dibromomethane		7	U	ug/kg	7	6	U	ug/kg	6	12	U	ug/kg	12	15	U	ug/kg	15
1,2-Dichlorobenzene		7	U	ug/kg	7	6	U	ug/kg	6	12	U	ug/kg	12	15	U	ug/kg	15
2-Chloroethylvinyl ether		15	U	ug/kg	15	12	U	ug/kg	12	25	U	ug/kg	25	30	U	ug/kg	30
Ethyl methacrylate		7	U	ug/kg	7	6	U	ug/kg	6	12	U	ug/kg	12	15	U	ug/kg	15
1,2,3-Trichloropropane		7	U	ug/kg	7	6	U	ug/kg	6	12	U	ug/kg	12	15	U	ug/kg	15
trans-1,4-Dichloro-2-butene		7	U	ug/kg	7	6	U	ug/kg	6	12	U	ug/kg	12	15	U	ug/kg	15
Isobutyl alcohol		290	U	ug/kg	290	250	U	ug/kg	250	500	U	ug/kg	500	610	U	ug/kg	610
1,1,1,2-Tetrachloroethane		7	U	ug/kg	7	6	U	ug/kg	6	12	U	ug/kg	12	15	U	ug/kg	15
1,2-Dibromo-3-chloropropane		150	U	ug/kg	150	130	U	ug/kg	130	260	U	ug/kg	260	320	U	ug/kg	320
Ethylene dibromide		7	U	ug/kg	7	6	U	ug/kg	6	12	U	ug/kg	12	15	U	ug/kg	15
1,4-Dioxane		290	R	ug/kg		250	R	ug/kg		500	R	ug/kg		610	R	ug/kg	
3-Chloropropene		7	U	ug/kg	7	6	U	ug/kg	6	12	U	ug/kg	12	15	U	ug/kg	15
Acetonitrile		150	U	ug/kg	150	120	U	ug/kg	120	250	U	ug/kg	250	300	U	ug/kg	300
Chloroprene		290	U	ug/kg	290	250	U	ug/kg	250	500	U	ug/kg	500	610	U	ug/kg	610
Methacrylonitrile		7	U	ug/kg	7	6	U	ug/kg	6	12	U	ug/kg	12	15	U	ug/kg	15
Methyl methacrylate		15	U	ug/kg	15	12	U	ug/kg	12	25	U	ug/kg	25	30	U	ug/kg	30
Pentachloroethane		15	U	ug/kg	15	12	U	ug/kg	12	25	U	ug/kg	25	30	U	ug/kg	30
Propionitrile		150	U	ug/kg	150	120	U	ug/kg	120	250	U	ug/kg	250	300	U	ug/kg	300
Vinyl acetate		15	U	ug/kg	15	12	U	ug/kg	12	25	U	ug/kg	25	30	U	ug/kg	30
SEMIVOLATILES	ug/kg																
N-Nitrosodimethylamine		840	U	ug/kg	840	860	U	ug/kg	860	1700	U	ug/kg	1700	710	U	ug/kg	710
Phenol		840	U	ug/kg	840	860	U	ug/kg	860	1700	U	ug/kg	1700	710	U	ug/kg	710
Aniline		840	U	ug/kg	840	860	U	ug/kg	860	1700	U	ug/kg	1700	710	U	ug/kg	710
bis(2-Chloroethyl) ether		840	U	ug/kg	840	860	U	ug/kg	860	1700	U	ug/kg	1700	710	U	ug/kg	710
Benzyl Alcohol		840	U	ug/kg	840	860	U	ug/kg	860	1700	U	ug/kg	1700	710	U	ug/kg	710
2-Methylphenol		840	U	ug/kg	840	860	U	ug/kg	860	1700	U	ug/kg	1700	710	U	ug/kg	710
bis(2-Chloroisopropyl) ether		840	UJ	ug/kg		860	UJ	ug/kg		1700	U	ug/kg	1700	710	U	ug/kg	710
N-Nitroso-di-n-propylamine		840	U	ug/kg	840	860	U	ug/kg	860	1700	U	ug/kg	1700	710	U	ug/kg	710
Hexachloroethane		840	U	ug/kg	840	860	U	ug/kg	860	1700	U	ug/kg	1700	710	U	ug/kg	710
Nitrobenzene		840	U	ug/kg	840	860	U	ug/kg	860	1700	U	ug/kg	1700	710	U	ug/kg	710
Isophorone		840	U	ug/kg	840	860	U	ug/kg	860	1700	U	ug/kg	1700	710	U	ug/kg	710
2-Nitrophenol		840	U	ug/kg	840	860	U	ug/kg	860	1700	U	ug/kg	1700	710	U	ug/kg	710
2,4-Dimethylphenol		840	U	ug/kg	840	860	U	ug/kg	860	1700	U	ug/kg	1700	710	U	ug/kg	710
Benzoic acid		4100	U	ug/kg	4100	4200	U	ug/kg	4200	8200	U	ug/kg	8200	3500	R	ug/kg	
bis(2-Chloroethoxy) methane		840	U	ug/kg	840	860	U	ug/kg	860	1700	U	ug/kg	1700	710	U	ug/kg	710
2,4-Dichlorophenol		840	U	ug/kg	840	860	U	ug/kg	860	1700	U	ug/kg	1700	710	U	ug/kg	710
1,2,4-Trichlorobenzene		840	U	ug/kg	840	860	U	ug/kg	860	1700	U	ug/kg	1700	710	U	ug/kg	710
Naphthalene		840	U	ug/kg	840	860	U	ug/kg	860	1700	U	ug/kg	1700	710	U	ug/kg	710
4-Chloroaniline		840	U	ug/kg	840	860	U	ug/kg	860	1700	U	ug/kg	1700	710	U	ug/kg	710
Hexachlorobutadiene		840	U	ug/kg	840	860	U	ug/kg	860	1700	U	ug/kg	1700	710	U	ug/kg	710
4-Chloro-3-methylphenol		840	U	ug/kg	840	860	U	ug/kg	860	1700	U	ug/kg	1700	710	U	ug/kg	710
2-Methylnaphthalene		840	U	ug/kg	840	860	U	ug/kg	860	1700	U	ug/kg	1700	710	U	ug/kg	710
Hexachlorocyclopentadiene		840	U	ug/kg	840	860	U	ug/kg	860	1700	UJ	ug/kg		710	U	ug/kg	710
2,4,6-Trichlorophenol		840	U	ug/kg	840	860	U	ug/kg	860	1700	U	ug/kg	1700	710	U	ug/kg	710
Dimethylphthalate		840	U	ug/kg	840	860	U	ug/kg	860	1700	U	ug/kg	1700	710	U	ug/kg	710
2,4,5-Trichlorophenol		4100	U	ug/kg	4100	4200	U	ug/kg	4200	8200	U	ug/kg	8200	3500	U	ug/kg	3500
2-Chloronaphthalene		840	U	ug/kg	840	860	U	ug/kg	860	1700	U	ug/kg	1700	710	U	ug/kg	710
2-Nitroaniline		4100	U	ug/kg	4100	4200	U	ug/kg	4200	8200	U	ug/kg	8200	3500	U	ug/kg	3500
Acenaphthylene		840	U	ug/kg	840	860	U	ug/kg	860	1700	U	ug/kg	1700	710	U	ug/kg	710
2,6-Dinitrotoluene		840	U	ug/kg	840	860	U	ug/kg	860	1700	U	ug/kg	1700	710	U	ug/kg	710
3-Nitroaniline		4100	UJ	ug/kg		4200	UJ	ug/kg		8200	U	ug/kg	8200	3500	U	ug/kg	3500

US Naval Station, Mayport, Florida
Analytical Results for Sediment Samples Collected at SWMU 4

Lab Sample Number:	M7616005				M7616006				M7628011				M7635006			
Site	GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator	02SD031				02SD031D				02SD032				02SD033			
Collect Date:	28-JUL-94				28-JUL-94				29-JUL-94				30-JUL-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Acenaphthene	840	U	ug/kg	840	860	U	ug/kg	860	430	J	ug/kg		710	U	ug/kg	710
2,4-Dinitrophenol	4100	U	ug/kg	4100	4200	U	ug/kg	4200	8200	U	ug/kg	8200	3500	U	ug/kg	3500
4-Nitrophenol	4100	U	ug/kg	4100	4200	U	ug/kg	4200	8200	U	ug/kg	8200	3500	U	ug/kg	3500
Dibenzofuran	840	U	ug/kg	840	860	U	ug/kg	860	1700	U	ug/kg	1700	710	U	ug/kg	710
2,4-Dinitrotoluene	840	U	ug/kg	840	860	U	ug/kg	860	1700	U	ug/kg	1700	710	U	ug/kg	710
Diethylphthalate	840	U	ug/kg	840	860	U	ug/kg	860	1700	U	ug/kg	1700	710	U	ug/kg	710
4-Chlorophenyl-phenylether	840	U	ug/kg	840	860	U	ug/kg	860	1700	U	ug/kg	1700	710	U	ug/kg	710
Fluorene	840	U	ug/kg	840	860	U	ug/kg	860	1700	U	ug/kg	1700	710	U	ug/kg	710
4-Nitroaniline	4100	UJ	ug/kg		4200	UJ	ug/kg		8200	U	ug/kg	8200	3500	U	ug/kg	3500
4,6-Dinitro-2-methylphenol	4100	U	ug/kg	4100	4200	U	ug/kg	4200	8200	U	ug/kg	8200	3500	U	ug/kg	3500
N-Nitrosodiphenylamine	840	U	ug/kg	840	860	U	ug/kg	860	1700	U	ug/kg	1700	710	U	ug/kg	710
1,2-Diphenylhydrazine	840	U	ug/kg	840	860	U	ug/kg	860	1700	U	ug/kg	1700	710	U	ug/kg	710
4-Bromophenyl-phenylether	840	U	ug/kg	840	860	U	ug/kg	860	1700	U	ug/kg	1700	710	U	ug/kg	710
Hexachlorobenzene	840	U	ug/kg	840	860	U	ug/kg	860	1700	U	ug/kg	1700	710	U	ug/kg	710
Pentachlorophenol	4100	U	ug/kg	4100	4200	U	ug/kg	4200	8200	U	ug/kg	8200	3500	U	ug/kg	3500
Phenanthrene	840	U	ug/kg	840	95	J	ug/kg		1700	U	ug/kg	1700	710	U	ug/kg	710
Anthracene	840	U	ug/kg	840	860	U	ug/kg	860	1700	U	ug/kg	1700	710	U	ug/kg	710
Di-n-Butylphthalate	840	U	ug/kg	840	860	U	ug/kg	860	340	J	ug/kg		710	UJ	ug/kg	
Fluoranthene	780	J	ug/kg		290	J	ug/kg		1700	U	ug/kg	1700	710	U	ug/kg	710
Pyrene	760	J	ug/kg		280	J	ug/kg		1700	U	ug/kg	1700	710	U	ug/kg	710
Butylbenzylphthalate	840	U	ug/kg	840	860	U	ug/kg	860	1700	U	ug/kg	1700	710	U	ug/kg	710
3,3-Dichlorobenzidine	1700	U	ug/kg	1700	1700	U	ug/kg	1700	3400	U	ug/kg	3400	1400	U	ug/kg	1400
Benzo (a) anthracene	420	J	ug/kg		860	U	ug/kg	860	1700	U	ug/kg	1700	710	U	ug/kg	710
Chrysene	470	J	ug/kg		860	U	ug/kg	860	1700	U	ug/kg	1700	710	U	ug/kg	710
bis(2-Ethylhexyl) phthalate	840	U	ug/kg	840	860	U	ug/kg	860	1700	U	ug/kg	1700	710	U	ug/kg	710
Di-n-octylphthalate	840	U	ug/kg	840	860	U	ug/kg	860	1700	U	ug/kg	1700	710	U	ug/kg	710
Benzo (b) fluoranthene	290	J	ug/kg		860	U	ug/kg	860	1700	U	ug/kg	1700	710	U	ug/kg	710
Benzo (k) fluoranthene	300	J	ug/kg		860	U	ug/kg	860	1700	U	ug/kg	1700	710	U	ug/kg	710
Benzo (a) pyrene	300	J	ug/kg		860	U	ug/kg	860	1700	U	ug/kg	1700	710	U	ug/kg	710
Indeno (1,2,3-cd) pyrene	140	J	ug/kg		860	U	ug/kg	860	1700	U	ug/kg	1700	710	U	ug/kg	710
Dibenzo (a,h) anthracene	840	U	ug/kg	840	860	U	ug/kg	860	1700	U	ug/kg	1700	710	U	ug/kg	710
Benzo (g,h,i) perylene	140	J	ug/kg		860	U	ug/kg	860	1700	U	ug/kg	1700	710	U	ug/kg	710
2-Picoline	4100	U	ug/kg	4100	4200	U	ug/kg	4200	8200	U	ug/kg	8200	3500	U	ug/kg	3500
Methyl methanesulfonate	840	U	ug/kg	840	860	U	ug/kg	860	1700	U	ug/kg	1700	710	U	ug/kg	710
Ethyl methanesulfonate	840	U	ug/kg	840	860	U	ug/kg	860	1700	U	ug/kg	1700	710	U	ug/kg	710
Acetophenone	840	U	ug/kg	840	860	U	ug/kg	860	1700	U	ug/kg	1700	710	U	ug/kg	710
N-Nitrosopiperidine	840	U	ug/kg	840	860	U	ug/kg	860	1700	U	ug/kg	1700	710	U	ug/kg	710
Phenyl-tert-butylamine	4100	U	ug/kg	4100	4200	U	ug/kg	4200	8200	U	ug/kg	8200	3500	UJ	ug/kg	
2,6-Dichlorophenol	840	U	ug/kg	840	860	U	ug/kg	860	1700	U	ug/kg	1700	710	U	ug/kg	710
N-Nitroso-di-n-butylamine	840	U	ug/kg	840	860	U	ug/kg	860	1700	U	ug/kg	1700	710	U	ug/kg	710
N-Nitrosodiethylamine	840	U	ug/kg	840	860	U	ug/kg	860	1700	U	ug/kg	1700	710	U	ug/kg	710
N-Nitrosopyrrolidine	840	U	ug/kg	840	860	U	ug/kg	860	1700	U	ug/kg	1700	710	U	ug/kg	710
Benzidine	4100	UJ	ug/kg		4200	UJ	ug/kg		8200	U	ug/kg	8200	3500	U	ug/kg	3500
1,2,4,5-Tetrachlorobenzene	4100	U	ug/kg	4100	4200	U	ug/kg	4200	8200	U	ug/kg	8200	3500	U	ug/kg	3500
Pentachlorobenzene	4100	U	ug/kg	4100	4200	U	ug/kg	4200	8200	U	ug/kg	8200	3500	U	ug/kg	3500
1-Naphthylamine	4100	U	ug/kg	4100	4200	U	ug/kg	4200	8200	U	ug/kg	8200	3500	U	ug/kg	3500
2-Naphthylamine	4100	U	ug/kg	4100	4200	U	ug/kg	4200	8200	U	ug/kg	8200	3500	U	ug/kg	3500
2,3,4,6-Tetrachlorophenol	840	U	ug/kg	840	860	U	ug/kg	860	1700	U	ug/kg	1700	710	U	ug/kg	710
Phenacetin	840	U	ug/kg	840	860	U	ug/kg	860	1700	U	ug/kg	1700	710	U	ug/kg	710
4-Aminobiphenyl	4100	UJ	ug/kg		4200	UJ	ug/kg		8200	U	ug/kg	8200	3500	U	ug/kg	3500
Pentachloronitrobenzene	4100	U	ug/kg	4100	4200	U	ug/kg	4200	8200	U	ug/kg	8200	3500	U	ug/kg	3500
Pronamide	840	U	ug/kg	840	860	U	ug/kg	860	1700	U	ug/kg	1700	710	U	ug/kg	710

US Naval Station, Mayport, Florida
Analytical Results for Sediment Samples Collected at SWMU 4

Lab Sample Number:		M7616005				M7616006				M7628011				M7635006			
Site		GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator		02SD031				02SD031D				02SD032				02SD033			
Collect Date:		28-JUL-94				28-JUL-94				29-JUL-94				30-JUL-94			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
p-Dimethylaminoazobenzene		840	U	ug/kg	840	860	U	ug/kg	860	1700	U	ug/kg	1700	710	U	ug/kg	710
7,12-Dimethylbenz(A)Anthracene		840	U	ug/kg	840	860	U	ug/kg	860	1700	U	ug/kg	1700	710	U	ug/kg	710
3-Methylcholanthrene		840	U	ug/kg	840	860	U	ug/kg	860	1700	U	ug/kg	1700	710	U	ug/kg	710
Pyridine		4100	U	ug/kg	4100	4200	U	ug/kg	4200	8200	U	ug/kg	8200	3500	U	ug/kg	3500
N-Nitrosomethylethylamine		840	U	ug/kg	840	860	U	ug/kg	860	1700	U	ug/kg	1700	710	U	ug/kg	710
N-Nitrosomorpholine		840	U	ug/kg	840	860	U	ug/kg	860	1700	U	ug/kg	1700	710	U	ug/kg	710
o-Toluidine		840	U	ug/kg	840	860	U	ug/kg	860	1700	U	ug/kg	1700	710	U	ug/kg	710
Hexachloropropene		4100	R	ug/kg		4200	R	ug/kg		8200	U	ug/kg	8200	3500	U	ug/kg	3500
p-Phenylenediamine		41000	UJ	ug/kg		42000	UJ	ug/kg		82000	UJ	ug/kg		35000	UJ	ug/kg	
Safrole		4100	U	ug/kg	4100	4200	U	ug/kg	4200	8200	U	ug/kg	8200	3500	U	ug/kg	3500
Isosafrole		4100	U	ug/kg	4100	4200	U	ug/kg	4200	8200	U	ug/kg	8200	3500	U	ug/kg	3500
1,4-Naphthoquinone		84000	U	ug/kg	84000	86000	U	ug/kg	86000	170000	U	ug/kg	170000	70000	U	ug/kg	70000
1,3-Dinitrobenzene		840	U	ug/kg	840	860	U	ug/kg	860	1700	U	ug/kg	1700	710	U	ug/kg	710
5-Nitro-o-toluidine		840	U	ug/kg	840	860	U	ug/kg	860	1700	U	ug/kg	1700	710	U	ug/kg	710
1,3,5-Trinitrobenzene		840	U	ug/kg	840	860	U	ug/kg	860	1700	U	ug/kg	1700	710	UJ	ug/kg	
4-Nitroquinoline-1-oxide		41000	R	ug/kg		42000	R	ug/kg		82000	R	ug/kg		35000	U	ug/kg	35000
Methapyrilene		4100	U	ug/kg	4100	4200	U	ug/kg	4200	8200	U	ug/kg	8200	3500	UJ	ug/kg	
3,3-Dimethylbenzidine		840	UJ	ug/kg		860	UJ	ug/kg		1700	U	ug/kg	1700	710	U	ug/kg	710
Hexachlorophene		41000	R	ug/kg		42000	R	ug/kg		82000	R	ug/kg		35000	R	ug/kg	
Aramite		4100	U	ug/kg	4100	4200	U	ug/kg	4200	8200	U	ug/kg	8200	3500	U	ug/kg	3500
2-Chlorophenol		840	U	ug/kg	840	860	U	ug/kg	860	1700	U	ug/kg	1700	710	U	ug/kg	710
3- & 4-Methylphenol (2)		840	U	ug/kg	840	860	U	ug/kg	860	1700	U	ug/kg	1700	710	U	ug/kg	710
Hexachloropropene		4100	R	ug/kg		4200	R	ug/kg		8200	U	ug/kg	8200	3500	U	ug/kg	3500
2-Acetylaminofluorene		840	U	ug/kg	840	860	U	ug/kg	860	1700	U	ug/kg	1700	710	U	ug/kg	710
PESTICIDES/PCBs	ug/kg																
alpha-BHC		.85	U	ug/kg	.85	2.2	U	ug/kg	2.2	1.7	U	ug/kg	1.7	1.4	U	ug/kg	1.4
beta-BHC		1.6	U	ug/kg	1.6	4.2	U	ug/kg	4.2	3.3	U	ug/kg	3.3	2.8	U	ug/kg	2.8
delta-BHC		.85	U	ug/kg	.85	2.2	U	ug/kg	2.2	1.7	U	ug/kg	1.7	1.4	U	ug/kg	1.4
gamma-BHC (Lindane)		.85	U	ug/kg	.85	2.2	U	ug/kg	2.2	1.7	U	ug/kg	1.7	1.4	U	ug/kg	1.4
Heptachlor		.85	U	ug/kg	.85	2.2	U	ug/kg	2.2	1.7	U	ug/kg	1.7	1.4	U	ug/kg	1.4
Aldrin		.85	U	ug/kg	.85	2.2	U	ug/kg	2.2	1.7	U	ug/kg	1.7	1.4	U	ug/kg	1.4
Heptachlor epoxide		.85	U	ug/kg	.85	2.2	U	ug/kg	2.2	1.7	U	ug/kg	1.7	1.4	U	ug/kg	1.4
Endosulfan I		.85	U	ug/kg	.85	2.2	U	ug/kg	2.2	1.7	U	ug/kg	1.7	1.4	U	ug/kg	1.4
Dieldrin		.85	U	ug/kg	.85	2.2	U	ug/kg	2.2	1.7	U	ug/kg	1.7	1.4	U	ug/kg	1.4
4,4-DDE		.85	U	ug/kg	.85	2.2	U	ug/kg	2.2	1.7	U	ug/kg	1.7	1.4	U	ug/kg	1.4
Endrin		1.6	U	ug/kg	1.6	4.2	U	ug/kg	4.2	3.3	U	ug/kg	3.3	2.8	U	ug/kg	2.8
Endosulfan II		1.6	U	ug/kg	1.6	4.2	U	ug/kg	4.2	3.3	U	ug/kg	3.3	2.8	U	ug/kg	2.8
4,4-DDD		1.6	U	ug/kg	1.6	4.2	U	ug/kg	4.2	3.3	U	ug/kg	3.3	2.8	U	ug/kg	2.8
Endosulfan sulfate		1.6	U	ug/kg	1.6	4.2	U	ug/kg	4.2	3.3	U	ug/kg	3.3	2.8	U	ug/kg	2.8
4,4-DDT		1.6	U	ug/kg	1.6	4.2	U	ug/kg	4.2	3.3	U	ug/kg	3.3	2.8	U	ug/kg	2.8
Methoxychlor		3.4	U	ug/kg	3.4	8.8	U	ug/kg	8.8	6.9	U	ug/kg	6.9	5.7	U	ug/kg	5.7
Endrin aldehyde		1.6	U	ug/kg	1.6	4.2	U	ug/kg	4.2	3.3	U	ug/kg	3.3	2.8	U	ug/kg	2.8
Endrin ketone		1.6	U	ug/kg	1.6	4.2	U	ug/kg	4.2	3.3	U	ug/kg	3.3	2.8	U	ug/kg	2.8
Chlordane		8.5	U	ug/kg	8.5	22	U	ug/kg	22	17	U	ug/kg	17	14	U	ug/kg	14
Chlorobenzilate		25	U	ug/kg	25	65	U	ug/kg	65	51	U	ug/kg	51	42	U	ug/kg	42
Diallate		51	U	ug/kg	51	130	U	ug/kg	130	100	U	ug/kg	100	85	U	ug/kg	85
Toxaphene		42	U	ug/kg	42	100	U	ug/kg	100	85	U	ug/kg	85	70	U	ug/kg	70
Isodrin		.85	U	ug/kg	.85	2.2	U	ug/kg	2.2	1.7	U	ug/kg	1.7	1.4	U	ug/kg	1.4
Kepone		51	U	ug/kg	51	130	U	ug/kg	130	100	U	ug/kg	100	85	U	ug/kg	85
Aroclor-1016		42	U	ug/kg	42	100	U	ug/kg	100	85	U	ug/kg	85	70	U	ug/kg	70
Aroclor-1221		85	U	ug/kg	85	220	U	ug/kg	220	170	U	ug/kg	170	140	U	ug/kg	140

US Naval Station, Mayport, Florida
Analytical Results for Sediment Samples Collected at SWMU 4

Lab Sample Number:		M7616005				M7616006				M7628011				M7635006			
Site		GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator		02SD031				02SD031D				02SD032				02SD033			
Collect Date:		28-JUL-94				28-JUL-94				29-JUL-94				30-JUL-94			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Aroclor-1232		85	U	ug/kg	85	220	U	ug/kg	220	170	U	ug/kg	170	140	U	ug/kg	140
Aroclor-1242		42	U	ug/kg	42	100	U	ug/kg	100	85	U	ug/kg	85	70	U	ug/kg	70
Aroclor-1248		42	U	ug/kg	42	100	U	ug/kg	100	85	U	ug/kg	85	70	U	ug/kg	70
Aroclor-1254		22	U	ug/kg	22	55	U	ug/kg	55	44	U	ug/kg	44	36	U	ug/kg	36
Aroclor-1260		22	U	ug/kg	22	55	U	ug/kg	55	44	U	ug/kg	44	36	U	ug/kg	36
INORGANICS (SOIL)	mg/kg																
Antimony		.55	U	mg/kg	.55	.57	U	mg/kg	.57	1.1	U	mg/kg	1.1	.93	UJ	mg/kg	
Arsenic		.65	J	mg/kg		.53	J	mg/kg		6.7		mg/kg		7.5	J	mg/kg	
Barium		4.2	U	mg/kg	4.2	4.1	UJ	mg/kg		22.7	J	mg/kg		13.5	J	mg/kg	
Beryllium		.1	J	mg/kg		.09	J	mg/kg		.86	J	mg/kg		.44	J	mg/kg	
Cadmium		.75	U	mg/kg	.75	.77	U	mg/kg	.77	1.5	U	mg/kg	1.5	1.3	U	mg/kg	1.3
Chromium		2.3	J	mg/kg		2.5	J	mg/kg		23.9	J	mg/kg		16.4	J	mg/kg	
Cobalt		.66	U	mg/kg	.66	.68	U	mg/kg	.68	7.2	J	mg/kg		2.4	J	mg/kg	
Copper		.99	U	mg/kg	.99	2.2	J	mg/kg		8.7	J	mg/kg		2.6	J	mg/kg	
Cyanide		.38	UJ	mg/kg		.38	U	mg/kg	.38	.38	U	mg/kg	.38	.16	J	mg/kg	
Lead		3.5	J	mg/kg		3	J	mg/kg		11.2	J	mg/kg		5.9	J	mg/kg	
Mercury		.09	U	mg/kg	.09	.09	U	mg/kg	.09	.17	J	mg/kg		.08	U	mg/kg	.08
Nickel		1.8	U	mg/kg	1.8	1.9	U	mg/kg	1.9	7.7	J	mg/kg		3.7	J	mg/kg	
Selenium		.33	U	mg/kg	.33	.34	U	mg/kg	.34	1.4	J	mg/kg		.8	J	mg/kg	
Silver		.51	U	mg/kg	.51	.53	U	mg/kg	.53	1.5	J	mg/kg		.86	U	mg/kg	.86
Thallium		.32	U	mg/kg	.32	.33	U	mg/kg	.33	.65	U	mg/kg	.65	.54	UJ	mg/kg	
Tin		3.1	J	mg/kg		4.4	J	mg/kg		4.7	J	mg/kg		7.4	J	mg/kg	
Vanadium		1.7	J	mg/kg		1.9	J	mg/kg		28.3		mg/kg		22.8		mg/kg	
Zinc		13.5	J	mg/kg		29.4	J	mg/kg		58	J	mg/kg		18.3		mg/kg	
Total organic carbon		20200		mg/kg		-		mg/kg		45100		mg/kg		28900		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.

US Naval Station, Mayport, Florida
Analytical Results for Sediment Samples Collected at SWMU 4

Lab Sample Number:		M7635007			M7637006			M7637007			M7628012		
Site		GROUPI&II			GROUPI&II			GROUPI&II			GROUPI&II		
Locator		02SD034			02SD038			02SD038D			02SD039		
Collect Date:		30-JUL-94			01-AUG-94			01-AUG-94			29-JUL-94		
		VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
VOLATILES	ug/kg												
Chloromethane		29 U	ug/kg	29	18 U	ug/kg	18	17 U	ug/kg	17	13 U	ug/kg	13
Bromomethane		29 UJ	ug/kg		18 UJ	ug/kg		17 UJ	ug/kg		13 U	ug/kg	13
Vinyl chloride		29 U	ug/kg	29	18 U	ug/kg	18	17 U	ug/kg	17	13 U	ug/kg	13
Chloroethane		29 U	ug/kg	29	18 U	ug/kg	18	17 U	ug/kg	17	13 U	ug/kg	13
Methylene chloride		18 U	ug/kg	18	9 U	ug/kg	9	9 U	ug/kg	9	9 U	ug/kg	9
Acetone		110 J	ug/kg		55 UJ	ug/kg		56 UJ	ug/kg		18 UJ	ug/kg	
Carbon disulfide		18	ug/kg		3 J	ug/kg		5 J	ug/kg		3 J	ug/kg	
1,1-Dichloroethane		15 U	ug/kg	15	9 U	ug/kg	9	9 U	ug/kg	9	6 U	ug/kg	6
1,1-Dichloroethene		15 U	ug/kg	15	9 U	ug/kg	9	9 U	ug/kg	9	6 U	ug/kg	6
1,2-Dichloroethene (total)		15 U	ug/kg	15	9 U	ug/kg	9	9 U	ug/kg	9	6 U	ug/kg	6
Chloroform		15 U	ug/kg	15	9 U	ug/kg	9	9 U	ug/kg	9	6 U	ug/kg	6
1,2-Dichloroethane		15 U	ug/kg	15	9 U	ug/kg	9	9 U	ug/kg	9	6 U	ug/kg	6
2-Butanone		13 J	ug/kg		11 J	ug/kg		8 J	ug/kg		13 R	ug/kg	
1,1,1-Trichloroethane		15 U	ug/kg	15	9 U	ug/kg	9	9 U	ug/kg	9	6 U	ug/kg	6
Carbon tetrachloride		15 U	ug/kg	15	9 U	ug/kg	9	9 U	ug/kg	9	6 U	ug/kg	6
Bromodichloromethane		15 U	ug/kg	15	9 U	ug/kg	9	9 U	ug/kg	9	6 U	ug/kg	6
1,2-Dichloropropane		15 U	ug/kg	15	9 U	ug/kg	9	9 U	ug/kg	9	6 U	ug/kg	6
cis-1,3-Dichloropropene		15 U	ug/kg	15	9 U	ug/kg	9	9 U	ug/kg	9	6 U	ug/kg	6
Trichloroethene		15 U	ug/kg	15	9 U	ug/kg	9	9 U	ug/kg	9	6 U	ug/kg	6
Dibromochloromethane		15 U	ug/kg	15	9 U	ug/kg	9	9 U	ug/kg	9	6 U	ug/kg	6
1,1,2-Trichloroethane		15 U	ug/kg	15	9 U	ug/kg	9	9 U	ug/kg	9	6 U	ug/kg	6
Benzene		15 U	ug/kg	15	9 U	ug/kg	9	9 U	ug/kg	9	6 U	ug/kg	6
trans-1,3-Dichloropropene		15 U	ug/kg	15	9 U	ug/kg	9	9 U	ug/kg	9	6 U	ug/kg	6
Bromoform		15 U	ug/kg	15	9 U	ug/kg	9	9 U	ug/kg	9	6 U	ug/kg	6
4-Methyl-2-pentanone		29 U	ug/kg	29	18 U	ug/kg	18	17 U	ug/kg	17	13 U	ug/kg	13
2-Hexanone		29 U	ug/kg	29	18 U	ug/kg	18	17 U	ug/kg	17	13 U	ug/kg	13
Tetrachloroethene		15 U	ug/kg	15	9 U	ug/kg	9	9 U	ug/kg	9	6 U	ug/kg	6
1,1,2,2-Tetrachloroethane		15 U	ug/kg	15	9 U	ug/kg	9	9 U	ug/kg	9	6 U	ug/kg	6
Toluene		15 U	ug/kg	15	9 U	ug/kg	9	9 U	ug/kg	9	6 U	ug/kg	6
Chlorobenzene		15 U	ug/kg	15	9 U	ug/kg	9	9 U	ug/kg	9	6 U	ug/kg	6
Ethylbenzene		15 U	ug/kg	15	9 U	ug/kg	9	9 U	ug/kg	9	6 U	ug/kg	6
Styrene		15 U	ug/kg	15	9 U	ug/kg	9	9 U	ug/kg	9	6 U	ug/kg	6
Xylenes (total)		15 U	ug/kg	15	9 U	ug/kg	9	9 U	ug/kg	9	6 U	ug/kg	6
Dichlorodifluoromethane		29 U	ug/kg	29	18 U	ug/kg	18	17 U	ug/kg	17	13 U	ug/kg	13
Trichlorofluoromethane		15 U	ug/kg	15	9 U	ug/kg	9	9 U	ug/kg	9	6 U	ug/kg	6
1,3-Dichlorobenzene		15 U	ug/kg	15	9 U	ug/kg	9	9 U	ug/kg	9	6 U	ug/kg	6
Acrolein		290 U	ug/kg	290	180 U	ug/kg	180	170 U	ug/kg	170	130 U	ug/kg	130
Iodomethane		29 U	ug/kg	29	18 U	ug/kg	18	17 U	ug/kg	17	13 U	ug/kg	13
1,4-Dichlorobenzene		15 U	ug/kg	15	680 U	ug/kg	680	9 U	ug/kg	9	6 U	ug/kg	6
Acrylonitrile		290 U	ug/kg	290	180 U	ug/kg	180	170 U	ug/kg	170	130 U	ug/kg	130

US Naval Station, Mayport, Florida
Analytical Results for Sediment Samples Collected at SWMU 4

Lab Sample Number:		M7635007				M7637006				M7637007				M7628012			
Site		GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator		02SD034				02SD038				02SD038D				02SD039			
Collect Date:		30-JUL-94				01-AUG-94				01-AUG-94				29-JUL-94			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Dibromomethane		15	U	ug/kg	15	9	U	ug/kg	9	9	U	ug/kg	9	6	U	ug/kg	6
1,2-Dichlorobenzene		15	U	ug/kg	15	9	U	ug/kg	9	9	U	ug/kg	9	6	U	ug/kg	6
2-Chloroethylvinyl ether		29	U	ug/kg	29	18	U	ug/kg	18	17	U	ug/kg	17	13	U	ug/kg	13
Ethyl methacrylate		15	U	ug/kg	15	9	U	ug/kg	9	9	U	ug/kg	9	6	U	ug/kg	6
1,2,3-Trichloropropane		15	U	ug/kg	15	9	U	ug/kg	9	9	U	ug/kg	9	6	U	ug/kg	6
trans-1,4-Dichloro-2-butene		15	U	ug/kg	15	9	U	ug/kg	9	9	U	ug/kg	9	6	U	ug/kg	6
Isobutyl alcohol		590	U	ug/kg	590	370	U	ug/kg	370	340	U	ug/kg	340	260	U	ug/kg	260
1,1,1,2-Tetrachloroethane		15	U	ug/kg	15	9	U	ug/kg	9	9	U	ug/kg	9	6	U	ug/kg	6
1,2-Dibromo-3-chloropropane		310	U	ug/kg	310	190	U	ug/kg	190	180	U	ug/kg	180	140	U	ug/kg	140
Ethylene dibromide		15	U	ug/kg	15	9	U	ug/kg	9	9	U	ug/kg	9	6	U	ug/kg	6
1,4-Dioxane		590	R	ug/kg		370	R	ug/kg		340	R	ug/kg		260	R	ug/kg	
3-Chloropropene		15	U	ug/kg	15	9	U	ug/kg	9	9	U	ug/kg	9	6	U	ug/kg	6
Acetonitrile		290	U	ug/kg	290	180	U	ug/kg	180	170	U	ug/kg	170	130	U	ug/kg	130
Chloroprene		590	U	ug/kg	590	370	U	ug/kg	370	340	U	ug/kg	340	260	U	ug/kg	260
Methacrylonitrile		15	U	ug/kg	15	9	U	ug/kg	9	9	U	ug/kg	9	6	U	ug/kg	6
Methyl methacrylate		29	U	ug/kg	29	18	U	ug/kg	18	17	U	ug/kg	17	13	U	ug/kg	13
Pentachloroethane		29	U	ug/kg	29	18	U	ug/kg	18	17	U	ug/kg	17	13	U	ug/kg	13
Propionitrile		290	U	ug/kg	290	180	U	ug/kg	180	170	U	ug/kg	170	130	U	ug/kg	130
Vinyl acetate		29	U	ug/kg	29	18	U	ug/kg	18	17	U	ug/kg	17	13	U	ug/kg	13
SEMIVOLATILES	ug/kg																
N-Nitrosodimethylamine		150	U	ug/kg	150	680	U	ug/kg	680	680	U	ug/kg	680	-		ug/kg	
Phenol		150	U	ug/kg	150	680	U	ug/kg	680	680	U	ug/kg	680	-		ug/kg	
Aniline		150	U	ug/kg	150	680	UJ	ug/kg		680	UJ	ug/kg		-		ug/kg	
bis(2-Chloroethyl) ether		150	U	ug/kg	150	680	U	ug/kg	680	680	U	ug/kg	680	-		ug/kg	
Benzyl Alcohol		150	U	ug/kg	150	680	U	ug/kg	680	680	U	ug/kg	680	-		ug/kg	
2-Methylphenol		150	U	ug/kg	150	680	U	ug/kg	680	680	U	ug/kg	680	-		ug/kg	
bis(2-Chloroisopropyl) ether		150	U	ug/kg	150	680	UJ	ug/kg		680	UJ	ug/kg		-		ug/kg	
N-Nitroso-di-n-propylamine		150	U	ug/kg	150	680	U	ug/kg	680	680	U	ug/kg	680	-		ug/kg	
Hexachloroethane		150	U	ug/kg	150	680	U	ug/kg	680	680	U	ug/kg	680	-		ug/kg	
Nitrobenzene		150	U	ug/kg	150	680	U	ug/kg	680	680	U	ug/kg	680	-		ug/kg	
Isophorone		150	U	ug/kg	150	680	U	ug/kg	680	680	U	ug/kg	680	-		ug/kg	
2-Nitrophenol		150	U	ug/kg	150	680	U	ug/kg	680	680	U	ug/kg	680	-		ug/kg	
2,4-Dimethylphenol		150	U	ug/kg	150	680	U	ug/kg	680	680	U	ug/kg	680	-		ug/kg	
Benzoic acid		750	R	ug/kg		3400	UJ	ug/kg		3400	UJ	ug/kg		-		ug/kg	
bis(2-Chloroethoxy) methane		150	U	ug/kg	150	680	U	ug/kg	680	680	U	ug/kg	680	-		ug/kg	
2,4-Dichlorophenol		150	U	ug/kg	150	680	U	ug/kg	680	680	U	ug/kg	680	-		ug/kg	
1,2,4-Trichlorobenzene		150	U	ug/kg	150	680	U	ug/kg	680	680	U	ug/kg	680	-		ug/kg	
Naphthalene		150	U	ug/kg	150	680	U	ug/kg	680	680	U	ug/kg	680	-		ug/kg	
4-Chloroaniline		150	U	ug/kg	150	680	U	ug/kg	680	680	U	ug/kg	680	-		ug/kg	
Hexachlorobutadiene		150	U	ug/kg	150	680	U	ug/kg	680	680	U	ug/kg	680	-		ug/kg	
4-Chloro-3-methylphenol		150	U	ug/kg	150	680	U	ug/kg	680	680	U	ug/kg	680	-		ug/kg	
2-Methylnaphthalene		150	U	ug/kg	150	680	U	ug/kg	680	680	U	ug/kg	680	-		ug/kg	
Hexachlorocyclopentadiene		150	U	ug/kg	150	680	U	ug/kg	680	680	U	ug/kg	680	-		ug/kg	
2,4,6-Trichlorophenol		150	U	ug/kg	150	680	U	ug/kg	680	680	U	ug/kg	680	-		ug/kg	
Dimethylphthalate		150	U	ug/kg	150	680	U	ug/kg	680	680	U	ug/kg	680	-		ug/kg	
2,4,5-Trichlorophenol		750	U	ug/kg	750	3400	U	ug/kg	3400	3400	U	ug/kg	3400	-		ug/kg	
2-Chloronaphthalene		150	U	ug/kg	150	680	U	ug/kg	680	680	U	ug/kg	680	-		ug/kg	
2-Nitroaniline		750	U	ug/kg	750	3400	U	ug/kg	3400	3400	U	ug/kg	3400	-		ug/kg	
Acenaphthylene		150	U	ug/kg	150	680	U	ug/kg	680	680	U	ug/kg	680	-		ug/kg	
2,6-Dinitrotoluene		150	U	ug/kg	150	680	U	ug/kg	680	680	U	ug/kg	680	-		ug/kg	
3-Nitroaniline		750	U	ug/kg	750	3400	U	ug/kg	3400	3400	U	ug/kg	3400	-		ug/kg	

US Naval Station, Mayport, Florida
Analytical Results for Sediment Samples Collected at SWMU 4

Lab Sample Number:	M7635007				M7637006				M7637007				M7628012			
Site	GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator	02SD034				02SD038				02SD038D				02SD039			
Collect Date:	30-JUL-94				01-AUG-94				01-AUG-94				29-JUL-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Acenaphthene	150	U	ug/kg	150	680	U	ug/kg	680	680	U	ug/kg	680	-		ug/kg	
2,4-Dinitrophenol	750	U	ug/kg	750	3400	U	ug/kg	3400	3400	U	ug/kg	3400	-		ug/kg	
4-Nitrophenol	750	U	ug/kg	750	3400	U	ug/kg	3400	3400	U	ug/kg	3400	-		ug/kg	
Dibenzofuran	150	U	ug/kg	150	680	U	ug/kg	680	680	U	ug/kg	680	-		ug/kg	
2,4-Dinitrotoluene	150	U	ug/kg	150	680	U	ug/kg	680	680	U	ug/kg	680	-		ug/kg	
Diethylphthalate	150	U	ug/kg	150	680	U	ug/kg	680	680	U	ug/kg	680	-		ug/kg	
4-Chlorophenyl-phenylether	150	U	ug/kg	150	680	U	ug/kg	680	680	U	ug/kg	680	-		ug/kg	
Fluorene	150	U	ug/kg	150	680	U	ug/kg	680	680	U	ug/kg	680	-		ug/kg	
4-Nitroaniline	750	U	ug/kg	750	3400	U	ug/kg	3400	3400	U	ug/kg	3400	-		ug/kg	
4,6-Dinitro-2-methylphenol	750	U	ug/kg	750	3400	U	ug/kg	3400	3400	U	ug/kg	3400	-		ug/kg	
N-Nitrosodiphenylamine	150	U	ug/kg	150	680	U	ug/kg	680	680	U	ug/kg	680	-		ug/kg	
1,2-Diphenylhydrazine	150	U	ug/kg	150	680	UJ	ug/kg		680	UJ	ug/kg		-		ug/kg	
4-Bromophenyl-phenylether	150	U	ug/kg	150	680	U	ug/kg	680	680	U	ug/kg	680	-		ug/kg	
Hexachlorobenzene	150	U	ug/kg	150	680	U	ug/kg	680	680	U	ug/kg	680	-		ug/kg	
Pentachlorophenol	750	U	ug/kg	750	3400	U	ug/kg	3400	3400	U	ug/kg	3400	-		ug/kg	
Phenanthrene	150	U	ug/kg	150	680	U	ug/kg	680	680	U	ug/kg	680	-		ug/kg	
Anthracene	150	U	ug/kg	150	680	U	ug/kg	680	680	U	ug/kg	680	-		ug/kg	
Di-n-Butylphthalate	150	UJ	ug/kg		680	U	ug/kg	680	680	U	ug/kg	680	-		ug/kg	
Fluoranthene	150	U	ug/kg	150	680	U	ug/kg	680	680	U	ug/kg	680	-		ug/kg	
Pyrene	150	U	ug/kg	150	680	U	ug/kg	680	680	U	ug/kg	680	-		ug/kg	
Butylbenzylphthalate	150	U	ug/kg	150	680	U	ug/kg	680	680	U	ug/kg	680	-		ug/kg	
3,3-Dichlorobenzidine	300	U	ug/kg	300	1400	U	ug/kg	1400	1400	U	ug/kg	1400	-		ug/kg	
Benzo (a) anthracene	150	U	ug/kg	150	680	U	ug/kg	680	680	U	ug/kg	680	-		ug/kg	
Chrysene	150	U	ug/kg	150	680	U	ug/kg	680	680	U	ug/kg	680	-		ug/kg	
bis(2-Ethylhexyl) phthalate	150	U	ug/kg	150	680	U	ug/kg	680	680	U	ug/kg	680	-		ug/kg	
Di-n-octylphthalate	150	U	ug/kg	150	680	U	ug/kg	680	680	U	ug/kg	680	-		ug/kg	
Benzo (b) fluoranthene	150	U	ug/kg	150	680	U	ug/kg	680	680	U	ug/kg	680	-		ug/kg	
Benzo (k) fluoranthene	150	U	ug/kg	150	680	U	ug/kg	680	680	U	ug/kg	680	-		ug/kg	
Benzo (a) pyrene	150	U	ug/kg	150	680	U	ug/kg	680	680	U	ug/kg	680	-		ug/kg	
Indeno (1,2,3-cd) pyrene	150	U	ug/kg	150	680	U	ug/kg	680	680	U	ug/kg	680	-		ug/kg	
Dibenzo (a,h) anthracene	150	U	ug/kg	150	680	U	ug/kg	680	680	U	ug/kg	680	-		ug/kg	
Benzo (g,h,i) perylene	150	U	ug/kg	150	680	U	ug/kg	680	680	U	ug/kg	680	-		ug/kg	
2-Picoline	750	U	ug/kg	750	3400	U	ug/kg	3400	3400	U	ug/kg	3400	-		ug/kg	
Methyl methanesulfonate	150	U	ug/kg	150	680	U	ug/kg	680	680	U	ug/kg	680	-		ug/kg	
Ethyl methanesulfonate	150	U	ug/kg	150	680	U	ug/kg	680	680	U	ug/kg	680	-		ug/kg	
Acetophenone	150	U	ug/kg	150	680	U	ug/kg	680	680	U	ug/kg	680	-		ug/kg	
N-Nitrosopiperidine	150	U	ug/kg	150	680	U	ug/kg	680	680	U	ug/kg	680	-		ug/kg	
Phenyl-tert-butylamine	750	UJ	ug/kg		3400	U	ug/kg	3400	3400	U	ug/kg	3400	-		ug/kg	
2,6-Dichlorophenol	150	U	ug/kg	150	680	U	ug/kg	680	680	U	ug/kg	680	-		ug/kg	
N-Nitroso-di-n-butylamine	150	U	ug/kg	150	680	U	ug/kg	680	680	U	ug/kg	680	-		ug/kg	
N-Nitrosodiethylamine	150	U	ug/kg	150	680	U	ug/kg	680	680	U	ug/kg	680	-		ug/kg	
N-Nitrosopyrrolidine	150	U	ug/kg	150	680	U	ug/kg	680	680	U	ug/kg	680	-		ug/kg	
Benzidine	750	U	ug/kg	750	3400	U	ug/kg	3400	3400	U	ug/kg	3400	-		ug/kg	
1,2,4,5-Tetrachlorobenzene	750	U	ug/kg	750	3400	U	ug/kg	3400	3400	U	ug/kg	3400	-		ug/kg	
Pentachlorobenzene	750	U	ug/kg	750	3400	U	ug/kg	3400	3400	U	ug/kg	3400	-		ug/kg	
1-Naphthylamine	750	U	ug/kg	750	3400	U	ug/kg	3400	3400	U	ug/kg	3400	-		ug/kg	
2-Naphthylamine	750	U	ug/kg	750	3400	U	ug/kg	3400	3400	U	ug/kg	3400	-		ug/kg	
2,3,4,6-Tetrachlorophenol	150	U	ug/kg	150	680	U	ug/kg	680	680	U	ug/kg	680	-		ug/kg	
Phenacetin	150	U	ug/kg	150	680	U	ug/kg	680	680	U	ug/kg	680	-		ug/kg	
4-Aminobiphenyl	750	U	ug/kg	750	3400	U	ug/kg	3400	3400	U	ug/kg	3400	-		ug/kg	
Pentachloronitrobenzene	750	U	ug/kg	750	3400	U	ug/kg	3400	3400	U	ug/kg	3400	-		ug/kg	
Pronamide	150	U	ug/kg	150	680	U	ug/kg	680	680	U	ug/kg	680	-		ug/kg	

US Naval Station, Mayport, Florida
Analytical Results for Sediment Samples Collected at SWMU 4

Lab Sample Number:		M7635007				M7637006				M7637007				M7628012			
Site		GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator		02SD034				02SD038				02SD038D				02SD039			
Collect Date:		30-JUL-94				01-AUG-94				01-AUG-94				29-JUL-94			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
p-Dimethylaminoazobenzene		150	U	ug/kg	150	680	U	ug/kg	680	680	U	ug/kg	680	-		ug/kg	
7,12-Dimethylbenz(A)Anthracene		150	U	ug/kg	150	680	U	ug/kg	680	680	U	ug/kg	680	-		ug/kg	
3-Methylcholanthrene		150	U	ug/kg	150	680	U	ug/kg	680	680	U	ug/kg	680	-		ug/kg	
Pyridine		750	U	ug/kg	750	3400	U	ug/kg	3400	3400	U	ug/kg	3400	-		ug/kg	
N-Nitrosomethylethylamine		150	U	ug/kg	150	680	U	ug/kg	680	680	U	ug/kg	680	-		ug/kg	
N-Nitrosomorpholine		150	U	ug/kg	150	680	U	ug/kg	680	680	U	ug/kg	680	-		ug/kg	
o-Toluidine		150	U	ug/kg	150	680	U	ug/kg	680	680	U	ug/kg	680	-		ug/kg	
Hexachloropropene		750	U	ug/kg	750	3400	U	ug/kg	3400	3400	U	ug/kg	3400	-		ug/kg	
p-Phenylenediamine		7500	UJ	ug/kg		34000	U	ug/kg	34000	34000	U	ug/kg	34000	-		ug/kg	
Safrole		750	U	ug/kg	750	3400	U	ug/kg	3400	3400	U	ug/kg	3400	-		ug/kg	
Isosafrole		750	U	ug/kg	750	3400	U	ug/kg	3400	3400	U	ug/kg	3400	-		ug/kg	
1,4-Naphthoquinone		15000	U	ug/kg	15000	67000	U	ug/kg	67000	67000	U	ug/kg	67000	-		ug/kg	
1,3-Dinitrobenzene		150	U	ug/kg	150	680	U	ug/kg	680	680	U	ug/kg	680	-		ug/kg	
5-Nitro-o-toluidine		150	U	ug/kg	150	680	U	ug/kg	680	680	U	ug/kg	680	-		ug/kg	
1,3,5-Trinitrobenzene		150	UJ	ug/kg		680	U	ug/kg	680	680	U	ug/kg	680	-		ug/kg	
4-Nitroquinoline-1-oxide		7500	U	ug/kg	7500	34000	U	ug/kg	34000	34000	U	ug/kg	34000	-		ug/kg	
Methapyrilene		750	UJ	ug/kg		3400	U	ug/kg	3400	3400	U	ug/kg	3400	-		ug/kg	
3,3-Dimethylbenzidine		150	U	ug/kg	150	680	U	ug/kg	680	680	U	ug/kg	680	-		ug/kg	
Hexachlorophene		7500	R	ug/kg		34000	UJ	ug/kg		34000	UJ	ug/kg		-		ug/kg	
Aramite		750	U	ug/kg	750	3400	U	ug/kg	3400	3400	U	ug/kg	3400	-		ug/kg	
2-Chlorophenol		150	U	ug/kg	150	680	U	ug/kg	680	680	U	ug/kg	680	-		ug/kg	
3- & 4-Methylphenol (2)		150	U	ug/kg	150	680	U	ug/kg	680	680	U	ug/kg	680	-		ug/kg	
Hexachloropropene		750	U	ug/kg	750	3400	U	ug/kg	3400	3400	U	ug/kg	3400	-		ug/kg	
2-Acetylaminofluorene		150	U	ug/kg	150	680	U	ug/kg	680	680	U	ug/kg	680	-		ug/kg	
PESTICIDES/PCBs	ug/kg																
alpha-BHC		2	U	ug/kg	2	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1	U	ug/kg	1
beta-BHC		3.8	U	ug/kg	3.8	2.6	U	ug/kg	2.6	2.6	U	ug/kg	2.6	2	U	ug/kg	2
delta-BHC		2	U	ug/kg	2	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1	U	ug/kg	1
gamma-BHC (Lindane)		2	U	ug/kg	2	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1	U	ug/kg	1
Heptachlor		2	U	ug/kg	2	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1	U	ug/kg	1
Aldrin		2	U	ug/kg	2	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1	U	ug/kg	1
Heptachlor epoxide		2	U	ug/kg	2	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1	U	ug/kg	1
Endosulfan I		2	U	ug/kg	2	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1	U	ug/kg	1
Dieldrin		2	U	ug/kg	2	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1	U	ug/kg	1
4,4-DDE		2	U	ug/kg	2	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1	U	ug/kg	1
Endrin		3.8	U	ug/kg	3.8	2.6	U	ug/kg	2.6	2.6	U	ug/kg	2.6	2	U	ug/kg	2
Endosulfan II		3.8	U	ug/kg	3.8	2.6	U	ug/kg	2.6	2.6	U	ug/kg	2.6	2	U	ug/kg	2
4,4-DDD		3.8	U	ug/kg	3.8	2.6	U	ug/kg	2.6	2.6	U	ug/kg	2.6	2	U	ug/kg	2
Endosulfan sulfate		3.8	U	ug/kg	3.8	2.6	U	ug/kg	2.6	2.6	U	ug/kg	2.6	2	U	ug/kg	2
4,4-DDT		3.8	U	ug/kg	3.8	2.6	U	ug/kg	2.6	2.6	U	ug/kg	2.6	2	U	ug/kg	2
Methoxychlor		7.9	U	ug/kg	7.9	5.5	U	ug/kg	5.5	5.5	U	ug/kg	5.5	4.2	U	ug/kg	4.2
Endrin aldehyde		3.8	U	ug/kg	3.8	2.6	U	ug/kg	2.6	2.6	U	ug/kg	2.6	2	U	ug/kg	2
Endrin ketone		3.8	U	ug/kg	3.8	2.6	U	ug/kg	2.6	2.6	U	ug/kg	2.6	2	U	ug/kg	2
Chlordane		20	U	ug/kg	20	14	U	ug/kg	14	14	U	ug/kg	14	10	U	ug/kg	10
Chlorobenzilate		59	U	ug/kg	59	41	U	ug/kg	41	41	U	ug/kg	41	31	U	ug/kg	31
Diallate		120	U	ug/kg	120	82	U	ug/kg	82	82	U	ug/kg	82	62	U	ug/kg	62
Toxaphene		97	U	ug/kg	97	67	U	ug/kg	67	67	U	ug/kg	67	52	U	ug/kg	52
Isodrin		2	U	ug/kg	2	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1	U	ug/kg	1
Kepone		120	U	ug/kg	120	82	U	ug/kg	82	82	U	ug/kg	82	62	U	ug/kg	62
Aroclor-1016		97	U	ug/kg	97	67	U	ug/kg	67	67	U	ug/kg	67	52	U	ug/kg	52
Aroclor-1221		200	U	ug/kg	200	140	U	ug/kg	140	140	U	ug/kg	140	100	U	ug/kg	100

US Naval Station, Mayport, Florida
Analytical Results for Sediment Samples Collected at SWMU 4

Lab Sample Number:		M7635007				M7637006				M7637007				M7628012			
Site		GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator		02SD034				02S0038				02SD038D				02SD039			
Collect Date:		30-JUL-94				01-AUG-94				01-AUG-94				29-JUL-94			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Aroclor-1232		200	U	ug/kg	200	140	U	ug/kg	140	140	U	ug/kg	140	100	U	ug/kg	100
Aroclor-1242		97	U	ug/kg	97	67	U	ug/kg	67	67	U	ug/kg	67	52	U	ug/kg	52
Aroclor-1248		97	U	ug/kg	97	67	U	ug/kg	67	67	U	ug/kg	67	52	U	ug/kg	52
Aroclor-1254		50	U	ug/kg	50	35	U	ug/kg	35	35	U	ug/kg	35	26	U	ug/kg	26
Aroclor-1260		50	U	ug/kg	50	35	U	ug/kg	35	35	U	ug/kg	35	26	U	ug/kg	26
INORGANICS (SOIL)	mg/kg																
Antimony		1.5	UJ	mg/kg		1.2	J	mg/kg		.86	U	mg/kg	.86	.74	U	mg/kg	.74
Arsenic		7.6	J	mg/kg		4.1		mg/kg		4.4		mg/kg		1.4	J	mg/kg	
Barium		27.4	J	mg/kg		20.1	J	mg/kg		18.9	J	mg/kg		5.7	U	mg/kg	5.7
Beryllium		.58	J	mg/kg		.72	J	mg/kg		.63	J	mg/kg		.16	J	mg/kg	
Cadmium		2	U	mg/kg	2	1.2	U	mg/kg	1.2	1.2	U	mg/kg	1.2	1.3	J	mg/kg	
Chromium		20.4	J	mg/kg		26.3		mg/kg		23.9		mg/kg		6.2	J	mg/kg	
Cobalt		3	J	mg/kg		3.9	J	mg/kg		3.7	J	mg/kg		.89	U	mg/kg	.89
Copper		17.5	J	mg/kg		9.9		mg/kg		7.6	J	mg/kg		1.6	J	mg/kg	
Cyanide		.34	J	mg/kg		.22	J	mg/kg		.16	J	mg/kg		.38	U	mg/kg	.38
Lead		15.8	J	mg/kg		23.6	J	mg/kg		18.2	J	mg/kg		4	J	mg/kg	
Mercury		.12	U	mg/kg	.12	.08	J	mg/kg		.08	U	mg/kg	.08	.06	U	mg/kg	.06
Nickel		13.6	J	mg/kg		63.2		mg/kg		7.2	J	mg/kg		2.4	U	mg/kg	2.4
Selenium		1.4	J	mg/kg		.51	U	mg/kg	.51	.66	J	mg/kg		.44	U	mg/kg	.44
Silver		1.4	U	mg/kg	1.4	.8	U	mg/kg	.8	.85	J	mg/kg		.69	U	mg/kg	.69
Thallium		.86	UJ	mg/kg		.5	U	mg/kg	.5	.5	U	mg/kg	.5	.43	U	mg/kg	.43
Tin		6.2	U	mg/kg	6.2	35.6		mg/kg		5.7	J	mg/kg		4.4	J	mg/kg	
Vanadium		24.9	J	mg/kg		29.1		mg/kg		25.6		mg/kg		5.5	J	mg/kg	
Zinc		74.4		mg/kg		47.2		mg/kg		35		mg/kg		17.7	J	mg/kg	
Total organic carbon		30100		mg/kg		32100		mg/kg		-		mg/kg		17200		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.

US Naval Station, Mayport, Florida
Analytical Results for Sediment Samples Collected at SWMU 4

Lab Sample Number:		MB982004			MB982005			MC031001			MC040006RE		
Site		GROUPI&II			GROUPI&II			GROUPI&II			GROUPI&II		
Locator		02D02001			02D02001D			02002601			02D02801		
Collect Date:		01-OCT-96			01-OCT-96			03-OCT-96			02-OCT-96		
		VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
VOLATILES	ug/kg												
Chloromethane		28 U	ug/kg	28	29 U	ug/kg	29	26 U	ug/kg	26	-	ug/kg	
Bromomethane		28 U	ug/kg	28	29 U	ug/kg	29	26 U	ug/kg	26	-	ug/kg	
Vinyl chloride		28 U	ug/kg	28	29 U	ug/kg	29	26 U	ug/kg	26	-	ug/kg	
Chloroethane		28 U	ug/kg	28	29 U	ug/kg	29	26 U	ug/kg	26	-	ug/kg	
Methylene chloride		14 U	ug/kg	14	15 U	ug/kg	15	13 U	ug/kg	13	-	ug/kg	
Acetone		95 U	ug/kg	95	130 U	ug/kg	130	48 U	ug/kg	48	-	ug/kg	
Carbon disulfide		21	ug/kg	14	24	ug/kg	15	4 J	ug/kg	13	-	ug/kg	
1,1-Dichloroethane		14 U	ug/kg	14	15 U	ug/kg	15	13 U	ug/kg	13	-	ug/kg	
1,1-Dichloroethene		14 U	ug/kg	14	15 U	ug/kg	15	13 U	ug/kg	13	-	ug/kg	
1,2-Dichloroethene (total)		14 U	ug/kg	14	15 U	ug/kg	15	13 U	ug/kg	13	-	ug/kg	
Chloroform		14 U	ug/kg	14	15 U	ug/kg	15	13 U	ug/kg	13	-	ug/kg	
1,2-Dichloroethane		14 U	ug/kg	14	15 U	ug/kg	15	13 U	ug/kg	13	-	ug/kg	
2-Butanone		28 U	ug/kg	28	21 J	ug/kg	29	26 UJ	ug/kg	26	-	ug/kg	
1,1,1-Trichloroethane		14 U	ug/kg	14	15 U	ug/kg	15	13 U	ug/kg	13	-	ug/kg	
Carbon tetrachloride		14 U	ug/kg	14	15 U	ug/kg	15	13 U	ug/kg	13	-	ug/kg	
Bromodichloromethane		14 U	ug/kg	14	15 U	ug/kg	15	13 U	ug/kg	13	-	ug/kg	
1,2-Dichloropropane		14 U	ug/kg	14	15 U	ug/kg	15	13 U	ug/kg	13	-	ug/kg	
cis-1,3-Dichloropropene		14 U	ug/kg	14	15 U	ug/kg	15	13 U	ug/kg	13	-	ug/kg	
Trichloroethene		14 U	ug/kg	14	15 U	ug/kg	15	13 U	ug/kg	13	-	ug/kg	
Dibromochloromethane		14 U	ug/kg	14	15 U	ug/kg	15	13 U	ug/kg	13	-	ug/kg	
1,1,2-Trichloroethane		14 U	ug/kg	14	15 U	ug/kg	15	13 U	ug/kg	13	-	ug/kg	
Benzene		14 U	ug/kg	14	15 U	ug/kg	15	13 U	ug/kg	13	-	ug/kg	
trans-1,3-Dichloropropene		14 U	ug/kg	14	15 U	ug/kg	15	13 U	ug/kg	13	-	ug/kg	
Bromoform		14 U	ug/kg	14	15 U	ug/kg	15	13 U	ug/kg	13	-	ug/kg	
4-Methyl-2-pentanone		28 U	ug/kg	28	29 U	ug/kg	29	26 U	ug/kg	26	-	ug/kg	
2-Hexanone		28 U	ug/kg	28	29 U	ug/kg	29	26 UJ	ug/kg	26	-	ug/kg	
Tetrachloroethene		14 U	ug/kg	14	15 U	ug/kg	15	13 U	ug/kg	13	-	ug/kg	
1,1,2,2-Tetrachloroethane		14 UJ	ug/kg	14	15 UJ	ug/kg	15	13 UJ	ug/kg	13	-	ug/kg	
Toluene		14 U	ug/kg	14	15 U	ug/kg	15	13 U	ug/kg	13	-	ug/kg	
Chlorobenzene		14 U	ug/kg	14	15 U	ug/kg	15	13 U	ug/kg	13	-	ug/kg	
Ethylbenzene		14 U	ug/kg	14	15 U	ug/kg	15	13 U	ug/kg	13	-	ug/kg	
Styrene		14 U	ug/kg	14	15 U	ug/kg	15	13 U	ug/kg	13	-	ug/kg	
Xylenes (total)		14 U	ug/kg	14	15 U	ug/kg	15	13 U	ug/kg	13	-	ug/kg	
Dichlorodifluoromethane		28 U	ug/kg	28	29 U	ug/kg	29	26 U	ug/kg	26	-	ug/kg	
Trichlorofluoromethane		14 U	ug/kg	14	15 U	ug/kg	15	13 U	ug/kg	13	-	ug/kg	
1,3-Dichlorobenzene		14 U	ug/kg	14	15 U	ug/kg	15	13 U	ug/kg	13	-	ug/kg	
Acrolein		280 UJ	ug/kg	280	290 UJ	ug/kg	290	260 U	ug/kg	260	-	ug/kg	
Iodomethane		28 U	ug/kg	28	29 U	ug/kg	29	26 U	ug/kg	26	-	ug/kg	
1,4-Dichlorobenzene		14 U	ug/kg	14	15 U	ug/kg	15	13 U	ug/kg	13	-	ug/kg	
Acrylonitrile		280 U	ug/kg	280	290 U	ug/kg	290	260 U	ug/kg	260	-	ug/kg	

US Naval Station, Mayport, Florida
Analytical Results for Sediment Samples Collected at SWMU 4

Lab Sample Number:		MB982004				MB982005				MC031001				MC040006RE			
Site		GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator		02D02001				02D02001D				02D02601				02D02801			
Collect Date:		01-OCT-96				01-OCT-96				03-OCT-96				02-OCT-96			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Dibromomethane		14	U	ug/kg	14	15	U	ug/kg	15	13	U	ug/kg	13	-		ug/kg	
1,2-Dichlorobenzene		14	U	ug/kg	14	15	U	ug/kg	15	13	U	ug/kg	13	-		ug/kg	
2-Chloroethylvinyl ether		28	U	ug/kg	28	29	U	ug/kg	29	26	U	ug/kg	26	-		ug/kg	
Ethyl methacrylate		14	U	ug/kg	14	15	U	ug/kg	15	13	U	ug/kg	13	-		ug/kg	
1,2,3-Trichloropropane		14	U	ug/kg	14	15	U	ug/kg	15	13	U	ug/kg	13	-		ug/kg	
trans-1,4-Dichloro-2-butene		14	U	ug/kg	14	15	U	ug/kg	15	13	U	ug/kg	13	-		ug/kg	
Isobutyl alcohol		570	U	ug/kg	570	590	U	ug/kg	590	530	UJ	ug/kg	530	-		ug/kg	
1,1,1,2-Tetrachloroethane		14	U	ug/kg	14	15	U	ug/kg	15	13	U	ug/kg	13	-		ug/kg	
1,2-Dibromo-3-chloropropane		28	U	ug/kg	28	29	U	ug/kg	29	26	U	ug/kg	26	-		ug/kg	
Ethylene dibromide		14	U	ug/kg	14	15	U	ug/kg	15	13	U	ug/kg	13	-		ug/kg	
1,4-Dioxane		570	R	ug/kg	570	590	R	ug/kg	590	530	R	ug/kg	530	-		ug/kg	
3-Chloropropene		14	U	ug/kg	14	15	U	ug/kg	15	13	U	ug/kg	13	-		ug/kg	
Acetonitrile		280	U	ug/kg	280	290	U	ug/kg	290	260	UJ	ug/kg	260	-		ug/kg	
Chloroprene		570	U	ug/kg	570	590	U	ug/kg	590	530	U	ug/kg	530	-		ug/kg	
Methacrylonitrile		14	U	ug/kg	14	15	U	ug/kg	15	13	U	ug/kg	13	-		ug/kg	
Methyl methacrylate		28	U	ug/kg	28	29	U	ug/kg	29	26	U	ug/kg	26	-		ug/kg	
Pentachloroethane		28	UJ	ug/kg	28	29	UJ	ug/kg	29	26	U	ug/kg	26	-		ug/kg	
Propionitrile		280	U	ug/kg	280	290	U	ug/kg	290	260	UJ	ug/kg	260	-		ug/kg	
Vinyl acetate		28	U	ug/kg	28	29	U	ug/kg	29	26	U	ug/kg	26	-		ug/kg	
SEMIVOLATILES	ug/kg																
N-Nitrosodimethylamine		1000	U	ug/kg	1000	920	U	ug/kg	920	880	UJ	ug/kg	880	-		ug/kg	
Phenol		1000	U	ug/kg	1000	920	U	ug/kg	920	880	UJ	ug/kg	880	-		ug/kg	
Aniline		1000	U	ug/kg	1000	920	U	ug/kg	920	880	UJ	ug/kg	880	-		ug/kg	
bis(2-Chloroethyl) ether		1000	U	ug/kg	1000	920	U	ug/kg	920	880	UJ	ug/kg	880	-		ug/kg	
Benzyl Alcohol		1000	U	ug/kg	1000	920	U	ug/kg	920	880	UJ	ug/kg	880	-		ug/kg	
2-Methylphenol		1000	U	ug/kg	1000	920	U	ug/kg	920	880	UJ	ug/kg	880	-		ug/kg	
bis(2-Chloroisopropyl) ether		1000	U	ug/kg	1000	920	U	ug/kg	920	880	UJ	ug/kg	880	-		ug/kg	
N-Nitroso-di-n-propylamine		1000	U	ug/kg	1000	920	U	ug/kg	920	880	UJ	ug/kg	880	-		ug/kg	
Hexachloroethane		1000	U	ug/kg	1000	920	U	ug/kg	920	880	UJ	ug/kg	880	-		ug/kg	
Nitrobenzene		1000	U	ug/kg	1000	920	U	ug/kg	920	880	UJ	ug/kg	880	-		ug/kg	
Isophorone		1000	U	ug/kg	1000	920	U	ug/kg	920	880	UJ	ug/kg	880	-		ug/kg	
2-Nitrophenol		1000	U	ug/kg	1000	920	U	ug/kg	920	880	UJ	ug/kg	880	-		ug/kg	
2,4-Dimethylphenol		1000	U	ug/kg	1000	920	U	ug/kg	920	880	UJ	ug/kg	880	-		ug/kg	
Benzoic acid		5000	UJ	ug/kg	5000	4600	UJ	ug/kg	4600	4300	UJ	ug/kg	4300	-		ug/kg	
bis(2-Chloroethoxy) methane		1000	U	ug/kg	1000	920	U	ug/kg	920	880	UJ	ug/kg	880	-		ug/kg	
2,4-Dichlorophenol		1000	U	ug/kg	1000	920	U	ug/kg	920	880	UJ	ug/kg	880	-		ug/kg	
1,2,4-Trichlorobenzene		1000	U	ug/kg	1000	920	U	ug/kg	920	880	UJ	ug/kg	880	-		ug/kg	
Naphthalene		1000	U	ug/kg	1000	920	U	ug/kg	920	880	UJ	ug/kg	880	-		ug/kg	
4-Chloroaniline		1000	U	ug/kg	1000	920	U	ug/kg	920	880	UJ	ug/kg	880	-		ug/kg	
Hexachlorobutadiene		1000	U	ug/kg	1000	920	U	ug/kg	920	880	UJ	ug/kg	880	-		ug/kg	
4-Chloro-3-methylphenol		1000	U	ug/kg	1000	920	U	ug/kg	920	880	UJ	ug/kg	880	-		ug/kg	
2-Methylnaphthalene		1000	U	ug/kg	1000	920	U	ug/kg	920	880	UJ	ug/kg	880	-		ug/kg	
Hexachlorocyclopentadiene		1000	U	ug/kg	1000	920	UJ	ug/kg	920	880	UJ	ug/kg	880	-		ug/kg	
2,4,6-Trichlorophenol		1000	U	ug/kg	1000	920	U	ug/kg	920	880	UJ	ug/kg	880	-		ug/kg	
Dimethylphthalate		1000	U	ug/kg	1000	920	U	ug/kg	920	880	UJ	ug/kg	880	-		ug/kg	
2,4,5-Trichlorophenol		5000	U	ug/kg	5000	4600	U	ug/kg	4600	4300	UJ	ug/kg	4300	-		ug/kg	
2-Chloronaphthalene		1000	U	ug/kg	1000	920	U	ug/kg	920	880	UJ	ug/kg	880	-		ug/kg	
2-Nitroaniline		5000	U	ug/kg	5000	4600	U	ug/kg	4600	4300	UJ	ug/kg	4300	-		ug/kg	
Acenaphthylene		1000	U	ug/kg	1000	920	U	ug/kg	920	880	UJ	ug/kg	880	-		ug/kg	
2,6-Dinitrotoluene		1000	U	ug/kg	1000	920	U	ug/kg	920	880	UJ	ug/kg	880	-		ug/kg	
3-Nitroaniline		5000	U	ug/kg	5000	4600	U	ug/kg	4600	4300	UJ	ug/kg	4300	-		ug/kg	

US Naval Station, Mayport, Florida
Analytical Results for Sediment Samples Collected at SWMU 4

Lab Sample Number:	MB982004				MB982005				MC031001				MC040006RE		
Site	GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II		
Locator	02D02001				02D02001D				02D02601				02D02801		
Collect Date:	01-OCT-96				01-OCT-96				03-OCT-96				02-OCT-96		
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Acenaphthene	1000	U	ug/kg	1000	920	U	ug/kg	920	880	UJ	ug/kg	880	-		ug/kg	
2,4-Dinitrophenol	5000	U	ug/kg	5000	4600	U	ug/kg	4600	4300	UJ	ug/kg	4300	-		ug/kg	
4-Nitrophenol	5000	U	ug/kg	5000	4600	U	ug/kg	4600	4300	UJ	ug/kg	4300	-		ug/kg	
Dibenzofuran	1000	U	ug/kg	1000	920	U	ug/kg	920	880	UJ	ug/kg	880	-		ug/kg	
2,4-Dinitrotoluene	1000	U	ug/kg	1000	920	U	ug/kg	920	880	UJ	ug/kg	880	-		ug/kg	
Diethylphthalate	1000	U	ug/kg	1000	920	U	ug/kg	920	880	UJ	ug/kg	880	-		ug/kg	
4-Chlorophenyl-phenylether	1000	U	ug/kg	1000	920	U	ug/kg	920	880	UJ	ug/kg	880	-		ug/kg	
Fluorene	1000	U	ug/kg	1000	920	U	ug/kg	920	880	UJ	ug/kg	880	-		ug/kg	
4-Nitroaniline	5000	U	ug/kg	5000	4600	U	ug/kg	4600	4300	UJ	ug/kg	4300	-		ug/kg	
4,6-Dinitro-2-methylphenol	5000	U	ug/kg	5000	4600	U	ug/kg	4600	4300	UJ	ug/kg	4300	-		ug/kg	
N-Nitrosodiphenylamine	1000	U	ug/kg	1000	920	U	ug/kg	920	880	UJ	ug/kg	880	-		ug/kg	
1,2-Diphenylhydrazine	1000	U	ug/kg	1000	920	U	ug/kg	920	880	UJ	ug/kg	880	-		ug/kg	
4-Bromophenyl-phenylether	1000	U	ug/kg	1000	920	U	ug/kg	920	880	UJ	ug/kg	880	-		ug/kg	
Hexachlorobenzene	1000	U	ug/kg	1000	920	U	ug/kg	920	880	UJ	ug/kg	880	-		ug/kg	
Pentachlorophenol	5000	U	ug/kg	5000	4600	U	ug/kg	4600	4300	UJ	ug/kg	4300	-		ug/kg	
Phenanthrene	1000	U	ug/kg	1000	920	U	ug/kg	920	880	UJ	ug/kg	880	-		ug/kg	
Anthracene	1000	U	ug/kg	1000	920	U	ug/kg	920	880	UJ	ug/kg	880	-		ug/kg	
Di-n-Butylphthalate	1000	U	ug/kg	1000	920	U	ug/kg	920	880	UJ	ug/kg	880	-		ug/kg	
Fluoranthene	1000	U	ug/kg	1000	920	UJ	ug/kg	920	880	UJ	ug/kg	880	-		ug/kg	
Pyrene	1000	U	ug/kg	1000	920	U	ug/kg	920	880	UJ	ug/kg	880	-		ug/kg	
Butylbenzylphthalate	1000	U	ug/kg	1000	920	U	ug/kg	920	880	UJ	ug/kg	880	-		ug/kg	
3,3-Dichlorobenzidine	2000	U	ug/kg	2000	1800	U	ug/kg	1800	1800	UJ	ug/kg	1800	-		ug/kg	
Benzo (a) anthracene	1000	U	ug/kg	1000	920	U	ug/kg	920	880	UJ	ug/kg	880	-		ug/kg	
Chrysene	1000	U	ug/kg	1000	920	U	ug/kg	920	880	UJ	ug/kg	880	-		ug/kg	
bis(2-Ethylhexyl) phthalate	130	J	ug/kg	1000	97	J	ug/kg	920	99	J	ug/kg	880	-		ug/kg	
Di-n-octylphthalate	1000	U	ug/kg	1000	920	U	ug/kg	920	880	UJ	ug/kg	880	-		ug/kg	
Benzo (b) fluoranthene	1000	U	ug/kg	1000	920	U	ug/kg	920	880	UJ	ug/kg	880	-		ug/kg	
Benzo (k) fluoranthene	1000	U	ug/kg	1000	920	U	ug/kg	920	880	UJ	ug/kg	880	-		ug/kg	
Benzo (a) pyrene	1000	U	ug/kg	1000	920	U	ug/kg	920	880	UJ	ug/kg	880	-		ug/kg	
Indeno (1,2,3-cd) pyrene	1000	U	ug/kg	1000	920	U	ug/kg	920	880	UJ	ug/kg	880	-		ug/kg	
Dibenzo (a,h) anthracene	1000	U	ug/kg	1000	920	U	ug/kg	920	880	UJ	ug/kg	880	-		ug/kg	
Benzo (g,h,i) perylene	1000	U	ug/kg	1000	920	U	ug/kg	920	880	UJ	ug/kg	880	-		ug/kg	
2-Picoline	5000	U	ug/kg	5000	4600	U	ug/kg	4600	4300	UJ	ug/kg	4300	-		ug/kg	
Methyl methanesulfonate	1000	U	ug/kg	1000	920	U	ug/kg	920	880	UJ	ug/kg	880	-		ug/kg	
Ethyl methanesulfonate	1000	U	ug/kg	1000	920	U	ug/kg	920	880	UJ	ug/kg	880	-		ug/kg	
Acetophenone	1000	U	ug/kg	1000	920	U	ug/kg	920	880	UJ	ug/kg	880	-		ug/kg	
N-Nitrosopiperidine	1000	UJ	ug/kg	1000	920	UJ	ug/kg	920	880	UJ	ug/kg	880	-		ug/kg	
Phenyl-tert-butylamine	5000	U	ug/kg	5000	4600	U	ug/kg	4600	4300	UJ	ug/kg	4300	-		ug/kg	
2,6-Dichlorophenol	1000	U	ug/kg	1000	920	U	ug/kg	920	880	UJ	ug/kg	880	-		ug/kg	
N-Nitroso-di-n-butylamine	1000	U	ug/kg	1000	920	U	ug/kg	920	880	UJ	ug/kg	880	-		ug/kg	
N-Nitrosodiethylamine	1000	U	ug/kg	1000	920	U	ug/kg	920	880	UJ	ug/kg	880	-		ug/kg	
N-Nitrosopyrrolidine	1000	U	ug/kg	1000	920	U	ug/kg	920	880	UJ	ug/kg	880	-		ug/kg	
Benzidine	5000	U	ug/kg	5000	4600	UJ	ug/kg	4600	4300	UJ	ug/kg	4300	-		ug/kg	
1,2,4,5-Tetrachlorobenzene	5000	U	ug/kg	5000	4600	U	ug/kg	4600	4300	UJ	ug/kg	4300	-		ug/kg	
Pentachlorobenzene	5000	U	ug/kg	5000	4600	U	ug/kg	4600	4300	UJ	ug/kg	4300	-		ug/kg	
1-Naphthylamine	5000	U	ug/kg	5000	4600	UJ	ug/kg	4600	4300	UJ	ug/kg	4300	-		ug/kg	
2-Naphthylamine	5000	U	ug/kg	5000	4600	U	ug/kg	4600	4300	UJ	ug/kg	4300	-		ug/kg	
2,3,4,6-Tetrachlorophenol	1000	U	ug/kg	1000	920	U	ug/kg	920	880	UJ	ug/kg	880	-		ug/kg	
Phenacetin	1000	U	ug/kg	1000	920	U	ug/kg	920	880	UJ	ug/kg	880	-		ug/kg	
4-Aminobiphenyl	5000	U	ug/kg	5000	4600	U	ug/kg	4600	4300	UJ	ug/kg	4300	-		ug/kg	
Pentachloronitrobenzene	5000	U	ug/kg	5000	4600	U	ug/kg	4600	4300	UJ	ug/kg	4300	-		ug/kg	
Pronamide	1000	U	ug/kg	1000	920	U	ug/kg	920	880	UJ	ug/kg	880	-		ug/kg	

US Naval Station, Mayport, Florida
Analytical Results for Sediment Samples Collected at SWMU 4

Lab Sample Number:		MB982004				MB982005				MC031001				MC040006RE			
Site		GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator		02D02001				02D02001D				02D02601				02D02801			
Collect Date:		01-OCT-96				01-OCT-96				03-OCT-96				02-OCT-96			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
p-Dimethylaminoazobenzene		1000	U	ug/kg	1000	920	U	ug/kg	920	880	UJ	ug/kg	880	-		ug/kg	
7,12-Dimethylbenz(A)Anthracene		1000	U	ug/kg	1000	920	U	ug/kg	920	880	UJ	ug/kg	880	-		ug/kg	
3-Methylcholanthrene		1000	U	ug/kg	1000	920	U	ug/kg	920	880	UJ	ug/kg	880	-		ug/kg	
Pyridine		5000	U	ug/kg	5000	4600	U	ug/kg	4600	4300	UJ	ug/kg	4300	-		ug/kg	
N-Nitrosomethylethylamine		1000	U	ug/kg	1000	920	U	ug/kg	920	880	UJ	ug/kg	880	-		ug/kg	
N-Nitrosomorpholine		1000	U	ug/kg	1000	920	U	ug/kg	920	880	UJ	ug/kg	880	-		ug/kg	
o-Toluidine		1000	U	ug/kg	1000	920	U	ug/kg	920	880	UJ	ug/kg	880	-		ug/kg	
Hexachloropropene		5000	U	ug/kg	5000	4600	U	ug/kg	4600	4300	UJ	ug/kg	4300	-		ug/kg	
p-Phenylenediamine		50000	UJ	ug/kg	50000	46000	UJ	ug/kg	46000	43000	R	ug/kg	43000	-		ug/kg	
Safrole		5000	U	ug/kg	5000	4600	U	ug/kg	4600	4300	UJ	ug/kg	4300	-		ug/kg	
Isosafrole		5000	U	ug/kg	5000	4600	U	ug/kg	4600	4300	UJ	ug/kg	4300	-		ug/kg	
1,4-Naphthoquinone		100000	U	ug/kg	100000	92000	U	ug/kg	92000	88000	UJ	ug/kg	88000	-		ug/kg	
1,3-Dinitrobenzene		1000	UJ	ug/kg	1000	920	UJ	ug/kg	920	880	UJ	ug/kg	880	-		ug/kg	
5-Nitro-o-toluidine		1000	U	ug/kg	1000	920	U	ug/kg	920	880	UJ	ug/kg	880	-		ug/kg	
1,3,5-Trinitrobenzene		1000	U	ug/kg	1000	920	U	ug/kg	920	880	UJ	ug/kg	880	-		ug/kg	
4-Nitroquinoline-1-oxide		50000	U	ug/kg	50000	46000	UJ	ug/kg	46000	43000	UJ	ug/kg	43000	-		ug/kg	
Methapyrilene		5000	U	ug/kg	5000	4600	UJ	ug/kg	4600	4300	UJ	ug/kg	4300	-		ug/kg	
3,3-Dimethylbenzidine		1000	U	ug/kg	1000	920	U	ug/kg	920	880	UJ	ug/kg	880	-		ug/kg	
Hexachlorophene		50000	UJ	ug/kg	50000	46000	U	ug/kg	46000	43000	R	ug/kg	43000	-		ug/kg	
Aramite		5000	U	ug/kg	5000	4600	U	ug/kg	4600	4300	R	ug/kg	4300	-		ug/kg	
2-Chlorophenol		1000	U	ug/kg	1000	920	U	ug/kg	920	880	UJ	ug/kg	880	-		ug/kg	
3- & 4-Methylphenol (2)		1000	U	ug/kg	1000	920	U	ug/kg	920	880	UJ	ug/kg	880	-		ug/kg	
Hexachloropropene		5000	U	ug/kg	5000	4600	U	ug/kg	4600	4300	UJ	ug/kg	4300	-		ug/kg	
2-Acetylaminofluorene		1000	U	ug/kg	1000	920	U	ug/kg	920	880	UJ	ug/kg	880	-		ug/kg	
PESTICIDES/PCBs	ug/kg																
alpha-BHC		10	U	ug/kg	10	9.3	U	ug/kg	9.3	7.1	U	ug/kg	7.1	8	U	ug/kg	8
beta-BHC		20	U	ug/kg	20	18	U	ug/kg	18	14	U	ug/kg	14	15	U	ug/kg	15
delta-BHC		10	U	ug/kg	10	9.3	U	ug/kg	9.3	7.1	U	ug/kg	7.1	8	U	ug/kg	8
gamma-BHC (Lindane)		10	U	ug/kg	10	9.3	U	ug/kg	9.3	7.1	U	ug/kg	7.1	8	U	ug/kg	8
Heptachlor		10	U	ug/kg	10	9.3	U	ug/kg	9.3	7.1	U	ug/kg	7.1	8	U	ug/kg	8
Aldrin		10	U	ug/kg	10	9.3	U	ug/kg	9.3	7.1	U	ug/kg	7.1	8	U	ug/kg	8
Heptachlor epoxide		10	U	ug/kg	10	9.3	U	ug/kg	9.3	7.1	U	ug/kg	7.1	8	U	ug/kg	8
Endosulfan I		10	U	ug/kg	10	9.3	U	ug/kg	9.3	7.1	U	ug/kg	7.1	8	U	ug/kg	8
Dieldrin		10	U	ug/kg	10	9.3	U	ug/kg	9.3	7.1	U	ug/kg	7.1	8	U	ug/kg	8
4,4-DDE		10	U	ug/kg	10	9.3	U	ug/kg	9.3	7.1	U	ug/kg	7.1	8	U	ug/kg	8
Endrin		20	U	ug/kg	20	18	U	ug/kg	18	14	U	ug/kg	14	15	U	ug/kg	15
Endosulfan II		20	U	ug/kg	20	18	U	ug/kg	18	14	U	ug/kg	14	15	U	ug/kg	15
4,4-DDD		20	U	ug/kg	20	18	U	ug/kg	18	14	U	ug/kg	14	15	U	ug/kg	15
Endosulfan sulfate		20	U	ug/kg	20	18	U	ug/kg	18	14	U	ug/kg	14	15	U	ug/kg	15
4,4-DDT		20	U	ug/kg	20	18	U	ug/kg	18	14	U	ug/kg	14	15	U	ug/kg	15
Methoxychlor		41	U	ug/kg	41	38	U	ug/kg	38	28	U	ug/kg	28	31	U	ug/kg	31
Endrin aldehyde		20	U	ug/kg	20	18	U	ug/kg	18	14	U	ug/kg	14	15	U	ug/kg	15
Endrin ketone		20	U	ug/kg	20	18	U	ug/kg	18	14	U	ug/kg	14	15	U	ug/kg	15
Chlordane		100	U	ug/kg	100	93	U	ug/kg	93	71	U	ug/kg	71	80	U	ug/kg	80
Chlorobenzilate		300	U	ug/kg	300	280	U	ug/kg	280	210	U	ug/kg	210	230	U	ug/kg	230
Diallate		610	U	ug/kg	610	560	U	ug/kg	560	420	U	ug/kg	420	470	U	ug/kg	470
Toxaphene		500	U	ug/kg	500	460	U	ug/kg	460	350	U	ug/kg	350	380	U	ug/kg	380
Isodrin		10	U	ug/kg	10	9.3	U	ug/kg	9.3	7.1	U	ug/kg	7.1	8	U	ug/kg	8
Kepone		240	UJ	ug/kg	240	110	UJ	ug/kg	110	210	UJ	ug/kg	210	90	UJ	ug/kg	90
Aroclor-1016		500	U	ug/kg	500	460	U	ug/kg	460	350	U	ug/kg	350	380	U	ug/kg	380
Aroclor-1221		1000	U	ug/kg	1000	930	U	ug/kg	930	710	U	ug/kg	710	780	U	ug/kg	780

US Naval Station, Mayport, Florida
Analytical Results for Sediment Samples Collected at SWMU 4

Lab Sample Number:		MB982004				MB982005				MC031001				MC040006RE			
Site		GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator		02D02001				02D02001D				02D02601				02D02801			
Collect Date:		01-OCT-96				01-OCT-96				03-OCT-96				02-OCT-96			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Aroclor-1232		1000	U	ug/kg	1000	930	U	ug/kg	930	710	U	ug/kg	710	780	U	ug/kg	780
Aroclor-1242		500	U	ug/kg	500	460	U	ug/kg	460	350	U	ug/kg	350	380	U	ug/kg	380
Aroclor-1248		500	U	ug/kg	500	460	U	ug/kg	460	350	U	ug/kg	350	380	U	ug/kg	380
Aroclor-1254		260	U	ug/kg	260	240	U	ug/kg	240	180	U	ug/kg	180	200	U	ug/kg	200
Aroclor-1260		260	U	ug/kg	260	240	U	ug/kg	240	180	U	ug/kg	180	200	U	ug/kg	200
INORGANICS (SOIL)	mg/kg																
Antimony		.96	U	mg/kg	.96	1	U	mg/kg	1	.89	U	mg/kg	.89	-		mg/kg	
Arsenic		4.2	U	mg/kg	4.2	4.4	U	mg/kg	4.4	3.9	U	mg/kg	3.9	-		mg/kg	
Barium		4.5	J	mg/kg	.1	10.9	J	mg/kg	.1	14.3	J	mg/kg	.092	-		mg/kg	
Beryllium		.16	J	mg/kg	.031	.39	J	mg/kg	.032	.53	J	mg/kg	.029	-		mg/kg	
Cadmium		.94	U	mg/kg	.94	.97	U	mg/kg	.97	.87	U	mg/kg	.87	-		mg/kg	
Chromium		5.8	J	mg/kg	.63	14.7	J	mg/kg	.65	20.2	J	mg/kg	.58	-		mg/kg	
Cobalt		.66	J	mg/kg	.091	1.7	J	mg/kg	.094	2.6	J	mg/kg	.084	-		mg/kg	
Copper		3.3	J	mg/kg	.48	5	J	mg/kg	.5	9.1		mg/kg	.44	-		mg/kg	
Cyanide		.25	UJ	mg/kg	.25	.26	UJ	mg/kg	.26	.23	UJ	mg/kg	.23	-		mg/kg	
Lead		4.5	U	mg/kg	4.5	7.9		mg/kg	4.6	10.9		mg/kg	4.1	-		mg/kg	
Mercury		.14	J	mg/kg	.018	.14	J	mg/kg	.018	.17	J	mg/kg	.017	-		mg/kg	
Nickel		.89	J	mg/kg	.35	3.5	J	mg/kg	.37	3.8	J	mg/kg	.33	-		mg/kg	
Selenium		8.4	U	mg/kg	8.4	8.7	U	mg/kg	8.7	7.7	U	mg/kg	7.7	-		mg/kg	
Silver		.63	U	mg/kg	.63	.65	U	mg/kg	.65	.58	U	mg/kg	.58	-		mg/kg	
Thallium		.55	UJ	mg/kg	.55	.57	UJ	mg/kg	.57	.51	UJ	mg/kg	.51	-		mg/kg	
Tin		3.9	J	mg/kg	1.9	10.2	J	mg/kg	2	10.9	J	mg/kg	1.8	-		mg/kg	
Vanadium		6.4	J	mg/kg	.17	15.7		mg/kg	.17	26.2		mg/kg	.15	-		mg/kg	
Zinc		21.3		mg/kg	.27	30.4		mg/kg	.27	34.6		mg/kg	.25	-		mg/kg	
Total organic carbon		-		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.

US Naval Station, Mayport, Florida
Analytical Results for Sediment Samples Collected at SWMU 4

Lab Sample Number:		MC040006			MC040001			MC040005			MC031002R		
Site		GROUPI&II			GROUPI&II			GROUPI&II			GROUPI&II		
Locator		02D02801			02DD3101			02D03301			02D03401		
Collect Date:		02-OCT-96			04-OCT-96			01-OCT-96			03-OCT-96		
		VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
VOLATILES	ug/kg												
Chloromethane		24	U ug/kg	24	15	U ug/kg	15	23	U ug/kg	23	-	ug/kg	
Bromomethane		24	U ug/kg	24	15	U ug/kg	15	23	U ug/kg	23	-	ug/kg	
Vinyl chloride		24	U ug/kg	24	15	U ug/kg	15	23	U ug/kg	23	-	ug/kg	
Chloroethane		24	U ug/kg	24	15	U ug/kg	15	23	U ug/kg	23	-	ug/kg	
Methylene chloride		12	U ug/kg	12	7	J ug/kg	7	12	U ug/kg	12	-	ug/kg	
Acetone		70	U ug/kg	70	53	U ug/kg	53	61	U ug/kg	61	-	ug/kg	
Carbon disulfide		9	J ug/kg	12	7	U ug/kg	7	10	J ug/kg	12	-	ug/kg	
1,1-Dichloroethane		12	U ug/kg	12	7	U ug/kg	7	12	U ug/kg	12	-	ug/kg	
1,1-Dichloroethene		12	U ug/kg	12	7	U ug/kg	7	12	U ug/kg	12	-	ug/kg	
1,2-Dichloroethene (total)		12	U ug/kg	12	7	U ug/kg	7	12	U ug/kg	12	-	ug/kg	
Chloroform		12	U ug/kg	12	7	U ug/kg	7	12	U ug/kg	12	-	ug/kg	
1,2-Dichloroethane		12	U ug/kg	12	7	U ug/kg	7	12	U ug/kg	12	-	ug/kg	
2-Butanone		17	J ug/kg	24	15	UJ ug/kg	15	8	J ug/kg	23	-	ug/kg	
1,1,1-Trichloroethane		12	U ug/kg	12	7	U ug/kg	7	12	U ug/kg	12	-	ug/kg	
Carbon tetrachloride		12	U ug/kg	12	7	U ug/kg	7	12	U ug/kg	12	-	ug/kg	
Bromodichloromethane		12	U ug/kg	12	7	U ug/kg	7	12	U ug/kg	12	-	ug/kg	
1,2-Dichloropropane		12	U ug/kg	12	7	U ug/kg	7	12	U ug/kg	12	-	ug/kg	
cis-1,3-Dichloropropene		12	U ug/kg	12	7	U ug/kg	7	12	U ug/kg	12	-	ug/kg	
Trichloroethene		12	U ug/kg	12	7	U ug/kg	7	12	U ug/kg	12	-	ug/kg	
Dibromochloromethane		12	U ug/kg	12	7	U ug/kg	7	12	U ug/kg	12	-	ug/kg	
1,1,2-Trichloroethane		12	U ug/kg	12	7	U ug/kg	7	12	U ug/kg	12	-	ug/kg	
Benzene		12	U ug/kg	12	7	U ug/kg	7	12	U ug/kg	12	-	ug/kg	
trans-1,3-Dichloropropene		12	U ug/kg	12	7	U ug/kg	7	12	U ug/kg	12	-	ug/kg	
Bromoform		12	U ug/kg	12	7	U ug/kg	7	12	U ug/kg	12	-	ug/kg	
4-Methyl-2-pentanone		24	U ug/kg	24	15	U ug/kg	15	23	U ug/kg	23	-	ug/kg	
2-Hexanone		24	UJ ug/kg	24	15	UJ ug/kg	15	23	UJ ug/kg	23	-	ug/kg	
Tetrachloroethene		12	U ug/kg	12	7	U ug/kg	7	12	U ug/kg	12	-	ug/kg	
1,1,2,2-Tetrachloroethane		12	UJ ug/kg	12	7	UJ ug/kg	7	12	UJ ug/kg	12	-	ug/kg	
Toluene		12	U ug/kg	12	7	U ug/kg	7	3	J ug/kg	12	-	ug/kg	
Chlorobenzene		12	U ug/kg	12	7	U ug/kg	7	12	U ug/kg	12	-	ug/kg	
Ethylbenzene		12	U ug/kg	12	7	U ug/kg	7	12	U ug/kg	12	-	ug/kg	
Styrene		12	U ug/kg	12	7	U ug/kg	7	12	U ug/kg	12	-	ug/kg	
Xylenes (total)		12	U ug/kg	12	7	U ug/kg	7	12	U ug/kg	12	-	ug/kg	
Dichlorodifluoromethane		24	U ug/kg	24	15	U ug/kg	15	23	U ug/kg	23	-	ug/kg	
Trichlorofluoromethane		12	U ug/kg	12	7	U ug/kg	7	12	U ug/kg	12	-	ug/kg	
1,3-Dichlorobenzene		12	U ug/kg	12	7	U ug/kg	7	12	U ug/kg	12	-	ug/kg	
Acrolein		240	U ug/kg	240	150	U ug/kg	150	230	U ug/kg	230	-	ug/kg	
Iodomethane		24	U ug/kg	24	15	U ug/kg	15	23	U ug/kg	23	-	ug/kg	
1,4-Dichlorobenzene		12	U ug/kg	12	7	U ug/kg	7	12	U ug/kg	12	-	ug/kg	
Acrylonitrile		240	U ug/kg	240	150	U ug/kg	150	230	U ug/kg	230	-	ug/kg	

US Naval Station, Mayport, Florida
Analytical Results for Sediment Samples Collected at SWMU 4

Lab Sample Number:		MC040006				MC040001				MC040005				MC031002R		
Site		GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II		
Locator		02D02801				02D03101				02D03301				02D03401		
Collect Date:		02-OCT-96				04-OCT-96				01-OCT-96				03-OCT-96		
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Dibromomethane		12	U	ug/kg	12	7	U	ug/kg	7	12	U	ug/kg	12	-		ug/kg	
1,2-Dichlorobenzene		12	U	ug/kg	12	7	U	ug/kg	7	12	U	ug/kg	12	-		ug/kg	
2-Chloroethylvinyl ether		24	U	ug/kg	24	15	U	ug/kg	15	23	U	ug/kg	23	-		ug/kg	
Ethyl methacrylate		12	U	ug/kg	12	7	U	ug/kg	7	12	U	ug/kg	12	-		ug/kg	
1,2,3-Trichloropropane		12	U	ug/kg	12	7	U	ug/kg	7	12	U	ug/kg	12	-		ug/kg	
trans-1,4-Dichloro-2-butene		12	U	ug/kg	12	7	U	ug/kg	7	12	U	ug/kg	12	-		ug/kg	
Isobutyl alcohol		490	UJ	ug/kg	490	300	UJ	ug/kg	300	460	UJ	ug/kg	460	-		ug/kg	
1,1,1,2-Tetrachloroethane		12	U	ug/kg	12	7	U	ug/kg	7	12	U	ug/kg	12	-		ug/kg	
1,2-Dibromo-3-chloropropane		24	U	ug/kg	24	15	U	ug/kg	15	23	U	ug/kg	23	-		ug/kg	
Ethylene dibromide		12	U	ug/kg	12	7	U	ug/kg	7	12	U	ug/kg	12	-		ug/kg	
1,4-Dioxane		490	R	ug/kg	490	300	R	ug/kg	300	460	R	ug/kg	460	-		ug/kg	
3-Chloropropene		12	U	ug/kg	12	7	U	ug/kg	7	12	U	ug/kg	12	-		ug/kg	
Acetonitrile		240	UJ	ug/kg	240	150	UJ	ug/kg	150	230	UJ	ug/kg	230	-		ug/kg	
Chloroprene		490	U	ug/kg	490	300	U	ug/kg	300	460	U	ug/kg	460	-		ug/kg	
Methacrylonitrile		12	U	ug/kg	12	7	U	ug/kg	7	12	U	ug/kg	12	-		ug/kg	
Methyl methacrylate		24	U	ug/kg	24	15	U	ug/kg	15	23	U	ug/kg	23	-		ug/kg	
Pentachloroethane		24	U	ug/kg	24	15	U	ug/kg	15	23	U	ug/kg	23	-		ug/kg	
Propionitrile		240	UJ	ug/kg	240	150	UJ	ug/kg	150	230	UJ	ug/kg	230	-		ug/kg	
Vinyl acetate		24	U	ug/kg	24	15	U	ug/kg	15	23	U	ug/kg	23	-		ug/kg	
SEMIVOLATILES	ug/kg																
N-Nitrosodimethylamine		1600	UJ	ug/kg	1600	520	UJ	ug/kg	520	780	UJ	ug/kg	780	-		ug/kg	
Phenol		1600	UJ	ug/kg	1600	520	UJ	ug/kg	520	780	UJ	ug/kg	780	-		ug/kg	
Aniline		1600	UJ	ug/kg	1600	520	UJ	ug/kg	520	780	UJ	ug/kg	780	-		ug/kg	
bis(2-Chloroethyl) ether		1600	UJ	ug/kg	1600	520	UJ	ug/kg	520	780	UJ	ug/kg	780	-		ug/kg	
Benzyl Alcohol		1600	UJ	ug/kg	1600	520	UJ	ug/kg	520	780	UJ	ug/kg	780	-		ug/kg	
2-Methylphenol		1600	UJ	ug/kg	1600	520	UJ	ug/kg	520	780	UJ	ug/kg	780	-		ug/kg	
bis(2-Chloroisopropyl) ether		1600	UJ	ug/kg	1600	520	UJ	ug/kg	520	780	UJ	ug/kg	780	-		ug/kg	
N-Nitroso-di-n-propylamine		1600	UJ	ug/kg	1600	520	UJ	ug/kg	520	780	UJ	ug/kg	780	-		ug/kg	
Hexachloroethane		1600	UJ	ug/kg	1600	520	UJ	ug/kg	520	780	UJ	ug/kg	780	-		ug/kg	
Nitrobenzene		1600	UJ	ug/kg	1600	520	UJ	ug/kg	520	780	UJ	ug/kg	780	-		ug/kg	
Isophorone		1600	UJ	ug/kg	1600	520	UJ	ug/kg	520	780	UJ	ug/kg	780	-		ug/kg	
2-Nitrophenol		1600	UJ	ug/kg	1600	520	UJ	ug/kg	520	780	UJ	ug/kg	780	-		ug/kg	
2,4-Dimethylphenol		1600	UJ	ug/kg	1600	520	UJ	ug/kg	520	780	UJ	ug/kg	780	-		ug/kg	
Benzoic acid		7700	UJ	ug/kg	7700	2600	UJ	ug/kg	2600	3800	UJ	ug/kg	3800	-		ug/kg	
bis(2-Chloroethoxy) methane		1600	UJ	ug/kg	1600	520	UJ	ug/kg	520	780	UJ	ug/kg	780	-		ug/kg	
2,4-Dichlorophenol		1600	UJ	ug/kg	1600	520	UJ	ug/kg	520	780	UJ	ug/kg	780	-		ug/kg	
1,2,4-Trichlorobenzene		1600	UJ	ug/kg	1600	520	UJ	ug/kg	520	780	UJ	ug/kg	780	-		ug/kg	
Naphthalene		1600	UJ	ug/kg	1600	520	UJ	ug/kg	520	780	UJ	ug/kg	780	-		ug/kg	
4-Chloroaniline		1600	UJ	ug/kg	1600	520	UJ	ug/kg	520	780	UJ	ug/kg	780	-		ug/kg	
Hexachlorobutadiene		1600	UJ	ug/kg	1600	520	UJ	ug/kg	520	780	UJ	ug/kg	780	-		ug/kg	
4-Chloro-3-methylphenol		1600	UJ	ug/kg	1600	520	UJ	ug/kg	520	780	UJ	ug/kg	780	-		ug/kg	
2-Methylnaphthalene		1600	UJ	ug/kg	1600	520	UJ	ug/kg	520	780	UJ	ug/kg	780	-		ug/kg	
Hexachlorocyclopentadiene		1600	UJ	ug/kg	1600	520	UJ	ug/kg	520	780	UJ	ug/kg	780	-		ug/kg	
2,4,6-Trichlorophenol		1600	UJ	ug/kg	1600	520	UJ	ug/kg	520	780	UJ	ug/kg	780	-		ug/kg	
Dimethylphthalate		1600	UJ	ug/kg	1600	520	UJ	ug/kg	520	780	UJ	ug/kg	780	-		ug/kg	
2,4,5-Trichlorophenol		7700	UJ	ug/kg	7700	2600	UJ	ug/kg	2600	3800	UJ	ug/kg	3800	-		ug/kg	
2-Chloronaphthalene		1600	UJ	ug/kg	1600	520	UJ	ug/kg	520	780	UJ	ug/kg	780	-		ug/kg	
2-Nitroaniline		7700	UJ	ug/kg	7700	2600	UJ	ug/kg	2600	3800	UJ	ug/kg	3800	-		ug/kg	
Acenaphthylene		1600	UJ	ug/kg	1600	520	UJ	ug/kg	520	780	UJ	ug/kg	780	-		ug/kg	
2,6-Dinitrotoluene		1600	UJ	ug/kg	1600	520	UJ	ug/kg	520	780	UJ	ug/kg	780	-		ug/kg	
3-Nitroaniline		7700	UJ	ug/kg	7700	2600	UJ	ug/kg	2600	3800	UJ	ug/kg	3800	-		ug/kg	

US Naval Station, Mayport, Florida
Analytical Results for Sediment Samples Collected at SWMU 4

Lab Sample Number:	MC040006				MC040001				MC040005				MC031002R			
Site	GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator	02D02801				02D03101				02D03301				02D03401			
Collect Date:	02-OCT-96				04-OCT-96				01-OCT-96				03-OCT-96			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Acenaphthene	1600	UJ	ug/kg	1600	520	UJ	ug/kg	520	780	UJ	ug/kg	780	-		ug/kg	
2,4-Dinitrophenol	7700	UJ	ug/kg	7700	2600	UJ	ug/kg	2600	3800	UJ	ug/kg	3800	-		ug/kg	
4-Nitrophenol	7700	UJ	ug/kg	7700	2600	UJ	ug/kg	2600	3800	UJ	ug/kg	3800	-		ug/kg	
Dibenzofuran	1600	UJ	ug/kg	1600	520	UJ	ug/kg	520	780	UJ	ug/kg	780	-		ug/kg	
2,4-Dinitrotoluene	1600	UJ	ug/kg	1600	520	UJ	ug/kg	520	780	UJ	ug/kg	780	-		ug/kg	
Diethylphthalate	1600	UJ	ug/kg	1600	520	UJ	ug/kg	520	780	UJ	ug/kg	780	-		ug/kg	
4-Chlorophenyl-phenylether	1600	UJ	ug/kg	1600	520	UJ	ug/kg	520	780	UJ	ug/kg	780	-		ug/kg	
Fluorene	1600	UJ	ug/kg	1600	520	UJ	ug/kg	520	780	UJ	ug/kg	780	-		ug/kg	
4-Nitroaniline	7700	UJ	ug/kg	7700	2600	UJ	ug/kg	2600	3800	UJ	ug/kg	3800	-		ug/kg	
4,6-Dinitro-2-methylphenol	7700	UJ	ug/kg	7700	2600	UJ	ug/kg	2600	3800	UJ	ug/kg	3800	-		ug/kg	
N-Nitrosodiphenylamine	1600	UJ	ug/kg	1600	520	UJ	ug/kg	520	780	UJ	ug/kg	780	-		ug/kg	
1,2-Diphenylhydrazine	1600	UJ	ug/kg	1600	520	UJ	ug/kg	520	780	UJ	ug/kg	780	-		ug/kg	
4-Bromophenyl-phenylether	1600	UJ	ug/kg	1600	520	UJ	ug/kg	520	780	UJ	ug/kg	780	-		ug/kg	
Hexachlorobenzene	1600	UJ	ug/kg	1600	520	UJ	ug/kg	520	780	UJ	ug/kg	780	-		ug/kg	
Pentachlorophenol	7700	UJ	ug/kg	7700	2600	UJ	ug/kg	2600	3800	UJ	ug/kg	3800	-		ug/kg	
Phenanthrene	1600	UJ	ug/kg	1600	520	UJ	ug/kg	520	780	UJ	ug/kg	780	-		ug/kg	
Anthracene	1600	UJ	ug/kg	1600	520	UJ	ug/kg	520	780	UJ	ug/kg	780	-		ug/kg	
Di-n-Butylphthalate	1600	UJ	ug/kg	1600	520	UJ	ug/kg	520	780	UJ	ug/kg	780	-		ug/kg	
Fluoranthene	1600	UJ	ug/kg	1600	520	UJ	ug/kg	520	780	UJ	ug/kg	780	-		ug/kg	
Pyrene	1600	UJ	ug/kg	1600	520	UJ	ug/kg	520	780	UJ	ug/kg	780	-		ug/kg	
Butylbenzylphthalate	1600	UJ	ug/kg	1600	520	UJ	ug/kg	520	780	UJ	ug/kg	780	-		ug/kg	
3,3-Dichlorobenzidine	3100	UJ	ug/kg	3100	1000	UJ	ug/kg	1000	1600	UJ	ug/kg	1600	-		ug/kg	
Benzo (a) anthracene	1600	UJ	ug/kg	1600	520	UJ	ug/kg	520	780	UJ	ug/kg	780	-		ug/kg	
Chrysene	1600	UJ	ug/kg	1600	520	UJ	ug/kg	520	780	UJ	ug/kg	780	-		ug/kg	
bis(2-Ethylhexyl) phthalate	1600	UJ	ug/kg	1600	520	UJ	ug/kg	520	94	J	ug/kg	780	-		ug/kg	
Di-n-octylphthalate	1600	UJ	ug/kg	1600	520	UJ	ug/kg	520	780	UJ	ug/kg	780	-		ug/kg	
Benzo (b) fluoranthene	1600	UJ	ug/kg	1600	520	UJ	ug/kg	520	780	UJ	ug/kg	780	-		ug/kg	
Benzo (k) fluoranthene	1600	UJ	ug/kg	1600	520	UJ	ug/kg	520	780	UJ	ug/kg	780	-		ug/kg	
Benzo (a) pyrene	1600	UJ	ug/kg	1600	520	UJ	ug/kg	520	780	UJ	ug/kg	780	-		ug/kg	
Indeno (1,2,3-cd) pyrene	1600	UJ	ug/kg	1600	520	UJ	ug/kg	520	780	UJ	ug/kg	780	-		ug/kg	
Dibenzo (a,h) anthracene	1600	UJ	ug/kg	1600	520	UJ	ug/kg	520	780	UJ	ug/kg	780	-		ug/kg	
Benzo (g,h,i) perylene	1600	UJ	ug/kg	1600	520	UJ	ug/kg	520	780	UJ	ug/kg	780	-		ug/kg	
2-Picoline	7700	UJ	ug/kg	7700	2600	UJ	ug/kg	2600	3800	UJ	ug/kg	3800	-		ug/kg	
Methyl methanesulfonate	1600	UJ	ug/kg	1600	520	UJ	ug/kg	520	780	UJ	ug/kg	780	-		ug/kg	
Ethyl methanesulfonate	1600	UJ	ug/kg	1600	520	UJ	ug/kg	520	780	UJ	ug/kg	780	-		ug/kg	
Acetophenone	1600	UJ	ug/kg	1600	520	UJ	ug/kg	520	780	UJ	ug/kg	780	-		ug/kg	
N-Nitrosopiperidine	1600	UJ	ug/kg	1600	520	UJ	ug/kg	520	780	UJ	ug/kg	780	-		ug/kg	
Phenyl-tert-butylamine	7700	UJ	ug/kg	7700	2600	UJ	ug/kg	2600	3800	UJ	ug/kg	3800	-		ug/kg	
2,6-Dichlorophenol	1600	UJ	ug/kg	1600	520	UJ	ug/kg	520	780	UJ	ug/kg	780	-		ug/kg	
N-Nitroso-di-n-butylamine	1600	UJ	ug/kg	1600	520	UJ	ug/kg	520	780	UJ	ug/kg	780	-		ug/kg	
N-Nitrosodiethylamine	1600	UJ	ug/kg	1600	520	UJ	ug/kg	520	780	UJ	ug/kg	780	-		ug/kg	
N-Nitrosopyrrolidine	1600	UJ	ug/kg	1600	520	UJ	ug/kg	520	780	UJ	ug/kg	780	-		ug/kg	
Benzidine	7700	UJ	ug/kg	7700	2600	UJ	ug/kg	2600	3800	UJ	ug/kg	3800	-		ug/kg	
1,2,4,5-Tetrachlorobenzene	7700	UJ	ug/kg	7700	2600	UJ	ug/kg	2600	3800	UJ	ug/kg	3800	-		ug/kg	
Pentachlorobenzene	7700	UJ	ug/kg	7700	2600	UJ	ug/kg	2600	3800	UJ	ug/kg	3800	-		ug/kg	
1-Naphthylamine	7700	UJ	ug/kg	7700	2600	UJ	ug/kg	2600	3800	UJ	ug/kg	3800	-		ug/kg	
2-Naphthylamine	7700	UJ	ug/kg	7700	2600	UJ	ug/kg	2600	3800	UJ	ug/kg	3800	-		ug/kg	
2,3,4,6-Tetrachlorophenol	1600	UJ	ug/kg	1600	520	UJ	ug/kg	520	780	UJ	ug/kg	780	-		ug/kg	
Phenacetin	1600	UJ	ug/kg	1600	520	UJ	ug/kg	520	780	UJ	ug/kg	780	-		ug/kg	
4-Aminobiphenyl	7700	UJ	ug/kg	7700	2600	UJ	ug/kg	2600	3800	UJ	ug/kg	3800	-		ug/kg	
Pentachloronitrobenzene	7700	UJ	ug/kg	7700	2600	UJ	ug/kg	2600	3800	UJ	ug/kg	3800	-		ug/kg	
Pronamide	1600	UJ	ug/kg	1600	520	UJ	ug/kg	520	780	UJ	ug/kg	780	-		ug/kg	

US Naval Station, Mayport, Florida
Analytical Results for Sediment Samples Collected at SWMU 4

Lab Sample Number:		MC040006				MC040001				MC040005				MC031002R			
Site		GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator		02002801				02D03101				02D03301				02D03401			
Collect Date:		02-OCT-96				04-OCT-96				01-OCT-96				03-OCT-96			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
p-Dimethylaminoazobenzene		1600	UJ	ug/kg	1600	520	UJ	ug/kg	520	780	UJ	ug/kg	780	-		ug/kg	
7,12-Dimethylbenz(A)Anthracene		1600	UJ	ug/kg	1600	520	UJ	ug/kg	520	780	UJ	ug/kg	780	-		ug/kg	
3-Methylcholanthrene		1600	UJ	ug/kg	1600	520	UJ	ug/kg	520	780	UJ	ug/kg	780	-		ug/kg	
Pyridine		7700	UJ	ug/kg	7700	2600	UJ	ug/kg	2600	3800	UJ	ug/kg	3800	-		ug/kg	
N-Nitrosomethylethylamine		1600	UJ	ug/kg	1600	520	UJ	ug/kg	520	780	UJ	ug/kg	780	-		ug/kg	
N-Nitrosomorpholine		1600	UJ	ug/kg	1600	520	UJ	ug/kg	520	780	UJ	ug/kg	780	-		ug/kg	
o-Toluidine		1600	UJ	ug/kg	1600	520	UJ	ug/kg	520	780	UJ	ug/kg	780	-		ug/kg	
Hexachloropropene		7700	UJ	ug/kg	7700	2600	UJ	ug/kg	2600	3800	UJ	ug/kg	3800	-		ug/kg	
p-Phenylenediamine		77000	UJ	ug/kg	77000	26000	R	ug/kg	26000	38000	R	ug/kg	38000	-		ug/kg	
Safrole		7700	UJ	ug/kg	7700	2600	UJ	ug/kg	2600	3800	UJ	ug/kg	3800	-		ug/kg	
Isosafrole		7700	UJ	ug/kg	7700	2600	UJ	ug/kg	2600	3800	UJ	ug/kg	3800	-		ug/kg	
1,4-Naphthoquinone		160000	UJ	ug/kg	160000	52000	UJ	ug/kg	52000	78000	UJ	ug/kg	78000	-		ug/kg	
1,3-Dinitrobenzene		1600	UJ	ug/kg	1600	520	UJ	ug/kg	520	780	UJ	ug/kg	780	-		ug/kg	
5-Nitro-o-toluidine		1600	UJ	ug/kg	1600	520	UJ	ug/kg	520	780	UJ	ug/kg	780	-		ug/kg	
1,3,5-Trinitrobenzene		1600	UJ	ug/kg	1600	520	UJ	ug/kg	520	780	UJ	ug/kg	780	-		ug/kg	
4-Nitroquinoline-1-oxide		77000	UJ	ug/kg	77000	26000	UJ	ug/kg	26000	38000	UJ	ug/kg	38000	-		ug/kg	
Methapyrilene		7700	UJ	ug/kg	7700	2600	UJ	ug/kg	2600	3800	UJ	ug/kg	3800	-		ug/kg	
3,3-Dimethylbenzidine		1600	UJ	ug/kg	1600	520	UJ	ug/kg	520	780	UJ	ug/kg	780	-		ug/kg	
Hexachlorophene		77000	UJ	ug/kg	77000	26000	R	ug/kg	26000	38000	R	ug/kg	38000	-		ug/kg	
Aramite		7700	UJ	ug/kg	7700	2600	R	ug/kg	2600	3800	R	ug/kg	3800	-		ug/kg	
2-Chlorophenol		1600	UJ	ug/kg	1600	520	UJ	ug/kg	520	780	UJ	ug/kg	780	-		ug/kg	
3- & 4-Methylphenol (2)		1600	UJ	ug/kg	1600	520	UJ	ug/kg	520	780	UJ	ug/kg	780	-		ug/kg	
Hexachloropropene		7700	UJ	ug/kg	7700	2600	UJ	ug/kg	2600	3800	UJ	ug/kg	3800	-		ug/kg	
2-Acetylaminofluorene		1600	UJ	ug/kg	1600	520	UJ	ug/kg	520	780	UJ	ug/kg	780	-		ug/kg	
PESTICIDES/PCBs	ug/kg																
alpha-BHC		-		ug/kg		4.2	U	ug/kg	4.2	6.2	U	ug/kg	6.2	1100	J	ug/kg	440
beta-BHC		-		ug/kg		8.1	U	ug/kg	8.1	12	U	ug/kg	12	610	J	ug/kg	840
delta-BHC		-		ug/kg		4.2	U	ug/kg	4.2	6.2	U	ug/kg	6.2	510	J	ug/kg	440
gamma-BHC (Lindane)		-		ug/kg		4.2	U	ug/kg	4.2	6.2	U	ug/kg	6.2	1300	J	ug/kg	440
Heptachlor		-		ug/kg		4.2	U	ug/kg	4.2	6.2	U	ug/kg	6.2	430	U	ug/kg	430
Aldrin		-		ug/kg		4.2	U	ug/kg	4.2	6.2	U	ug/kg	6.2	430	U	ug/kg	430
Heptachlor epoxide		-		ug/kg		4.2	U	ug/kg	4.2	6.2	U	ug/kg	6.2	430	U	ug/kg	430
Endosulfan I		-		ug/kg		4.2	U	ug/kg	4.2	6.2	U	ug/kg	6.2	1700	UJ	ug/kg	1700
Dieldrin		-		ug/kg		4.2	U	ug/kg	4.2	6.2	U	ug/kg	6.2	840	UJ	ug/kg	840
4,4-DDE		-		ug/kg		4.2	U	ug/kg	4.2	6.2	U	ug/kg	6.2	1200	J	ug/kg	440
Endrin		-		ug/kg		8.1	U	ug/kg	8.1	12	U	ug/kg	12	3200	J	ug/kg	840
Endosulfan II		-		ug/kg		8.1	U	ug/kg	8.1	12	U	ug/kg	12	840	U	ug/kg	840
4,4-DDD		-		ug/kg		8.1	U	ug/kg	8.1	12	U	ug/kg	12	9400	J	ug/kg	840
Endosulfan sulfate		-		ug/kg		8.1	U	ug/kg	8.1	12	U	ug/kg	12	840	U	ug/kg	840
4,4-DDT		-		ug/kg		8.1	U	ug/kg	8.1	12	U	ug/kg	12	10000	J	ug/kg	840
Methoxychlor		-		ug/kg		17	U	ug/kg	17	25	U	ug/kg	25	1700	U	ug/kg	1700
Endrin aldehyde		-		ug/kg		8.1	U	ug/kg	8.1	12	U	ug/kg	12	840	U	ug/kg	840
Endrin ketone		-		ug/kg		8.1	U	ug/kg	8.1	12	U	ug/kg	12	980	J	ug/kg	840
Chlordane		-		ug/kg		42	U	ug/kg	42	62	U	ug/kg	62	23000	J	ug/kg	4400
Chlorobenzilate		-		ug/kg		130	U	ug/kg	130	190	U	ug/kg	190	13000	U	ug/kg	13000
Diallate		-		ug/kg		250	U	ug/kg	250	370	U	ug/kg	370	26000	U	ug/kg	26000
Toxaphene		-		ug/kg		210	U	ug/kg	210	310	U	ug/kg	310	42000	UJ	ug/kg	42000
Isodrin		-		ug/kg		4.2	U	ug/kg	4.2	6.2	U	ug/kg	6.2	430	U	ug/kg	430
Kepone		-		ug/kg		60	UJ	ug/kg	60	90	UJ	ug/kg	90	-		ug/kg	
Aroclor-1016		-		ug/kg		210	U	ug/kg	210	310	U	ug/kg	310	21000	U	ug/kg	21000
Aroclor-1221		-		ug/kg		420	U	ug/kg	420	620	U	ug/kg	620	43000	U	ug/kg	43000

US Naval Station, Mayport, Florida
Analytical Results for Sediment Samples Collected at SWMU 4

Lab Sample Number:		MC040006				MC040001				MC040005				MC031002R			
Site		GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator		02D02801				02D03101				02D03301				02D03401			
Collect Date:		02-OCT-96				04-OCT-96				01-OCT-96				03-OCT-96			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Aroclor-1232		-		ug/kg		420	U	ug/kg	420	620	U	ug/kg	620	43000	U	ug/kg	43000
Aroclor-1242		-		ug/kg		210	U	ug/kg	210	310	U	ug/kg	310	21000	U	ug/kg	21000
Aroclor-1248		-		ug/kg		210	U	ug/kg	210	310	U	ug/kg	310	21000	U	ug/kg	21000
Aroclor-1254		-		ug/kg		110	U	ug/kg	110	160	U	ug/kg	160	11000	U	ug/kg	11000
Aroclor-1260		-		ug/kg		110	U	ug/kg	110	160	U	ug/kg	160	11000	U	ug/kg	11000
INORGANICS (SOIL)	mg/kg																
Antimony		.83	U	mg/kg	.83	.5	U	mg/kg	.5	.79	U	mg/kg	.79	-		mg/kg	
Arsenic		3.7	U	mg/kg	3.7	2.2	U	mg/kg	2.2	4.5		mg/kg	3.5	-		mg/kg	
Barium		10.5	J	mg/kg	.086	2.2	J	mg/kg	.052	6.8	J	mg/kg	.082	-		mg/kg	
Beryllium		.35	J	mg/kg	.027	.08	J	mg/kg	.016	.27	J	mg/kg	.026	-		mg/kg	
Cadmium		.81	U	mg/kg	.81	.49	U	mg/kg	.49	.77	U	mg/kg	.77	-		mg/kg	
Chromium		13.4	J	mg/kg	.54	2	J	mg/kg	.33	9.3	J	mg/kg	.52	-		mg/kg	
Cobalt		1.7	J	mg/kg	.079	.28	J	mg/kg	.047	.98	J	mg/kg	.075	-		mg/kg	
Copper		3.9	J	mg/kg	.41	.47	J	mg/kg	.25	2.1	J	mg/kg	.39	-		mg/kg	
Cyanide		.22	UJ	mg/kg	.22	.13	UJ	mg/kg	.13	.21	UJ	mg/kg	.21	-		mg/kg	
Lead		6.7		mg/kg	3.9	2.3	U	mg/kg	2.3	3.7	U	mg/kg	3.7	-		mg/kg	
Mercury		.15	J	mg/kg	.016	.03	UJ	mg/kg	.03	.12	J	mg/kg	.015	-		mg/kg	
Nickel		3.1	J	mg/kg	.31	.18	U	mg/kg	.18	1.9	J	mg/kg	.29	-		mg/kg	
Selenium		7.2	U	mg/kg	7.2	4.4	U	mg/kg	4.4	6.9	U	mg/kg	6.9	-		mg/kg	
Silver		.54	U	mg/kg	.54	.33	U	mg/kg	.33	.52	U	mg/kg	.52	-		mg/kg	
Thallium		.48	UJ	mg/kg	.48	.29	UJ	mg/kg	.29	.46	UJ	mg/kg	.46	-		mg/kg	
Tin		7.4	J	mg/kg	1.7	3	J	mg/kg	1	6.2	J	mg/kg	1.6	-		mg/kg	
Vanadium		16		mg/kg	.14	2.5	J	mg/kg	.087	12.5		mg/kg	.14	-		mg/kg	
Zinc		25		mg/kg	.23	4.7		mg/kg	.14	12.9		mg/kg	.22	-		mg/kg	
Total organic carbon		-		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.

US Naval Station, Mayport, Florida
Analytical Results for Sediment Samples Collected at SWMU 4

Lab Sample Number:		MC031002			MC031003RE			MC031003			MC040003		
Site		GROUPI&II			GROUPI&II			GROUPI&II			GROUPI&II		
Locator		02D03401			02D03401D			02D03401D			02D03801		
Collect Date:		03-OCT-96			03-OCT-96			03-OCT-96			04-OCT-96		
		VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
VOLATILES	ug/kg												
Chloromethane		32 U	ug/kg	32	-	ug/kg		22 U	ug/kg	22	21 U	ug/kg	21
Bromomethane		32 U	ug/kg	32	-	ug/kg		22 U	ug/kg	22	21 U	ug/kg	21
Vinyl chloride		32 U	ug/kg	32	-	ug/kg		22 U	ug/kg	22	21 U	ug/kg	21
Chloroethane		32 U	ug/kg	32	-	ug/kg		22 U	ug/kg	22	21 U	ug/kg	21
Methylene chloride		16 U	ug/kg	16	-	ug/kg		11 U	ug/kg	11	10 U	ug/kg	10
Acetone		390	ug/kg	32	-	ug/kg		150 U	ug/kg	150	33 U	ug/kg	33
Carbon disulfide		47	ug/kg	16	-	ug/kg		47	ug/kg	11	4 J	ug/kg	10
1,1-Dichloroethane		16 U	ug/kg	16	-	ug/kg		11 U	ug/kg	11	10 U	ug/kg	10
1,1-Dichloroethene		16 U	ug/kg	16	-	ug/kg		11 U	ug/kg	11	10 U	ug/kg	10
1,2-Dichloroethene (total)		16 U	ug/kg	16	-	ug/kg		11 U	ug/kg	11	10 U	ug/kg	10
Chloroform		16 U	ug/kg	16	-	ug/kg		11 U	ug/kg	11	10 U	ug/kg	10
1,2-Dichloroethane		16 U	ug/kg	16	-	ug/kg		11 U	ug/kg	11	10 U	ug/kg	10
2-Butanone		69 J	ug/kg	32	-	ug/kg		31 J	ug/kg	22	21 UJ	ug/kg	21
1,1,1-Trichloroethane		16 U	ug/kg	16	-	ug/kg		11 U	ug/kg	11	10 U	ug/kg	10
Carbon tetrachloride		16 U	ug/kg	16	-	ug/kg		11 U	ug/kg	11	10 U	ug/kg	10
Bromodichloromethane		16 U	ug/kg	16	-	ug/kg		11 U	ug/kg	11	10 U	ug/kg	10
1,2-Dichloropropane		16 U	ug/kg	16	-	ug/kg		11 U	ug/kg	11	10 U	ug/kg	10
cis-1,3-Dichloropropene		16 U	ug/kg	16	-	ug/kg		11 U	ug/kg	11	10 U	ug/kg	10
Trichloroethene		16 U	ug/kg	16	-	ug/kg		11 U	ug/kg	11	10 U	ug/kg	10
Dibromochloromethane		16 U	ug/kg	16	-	ug/kg		11 U	ug/kg	11	10 U	ug/kg	10
1,1,2-Trichloroethane		16 U	ug/kg	16	-	ug/kg		11 U	ug/kg	11	10 U	ug/kg	10
Benzene		16 U	ug/kg	16	-	ug/kg		11 U	ug/kg	11	10 U	ug/kg	10
trans-1,3-Dichloropropene		16 U	ug/kg	16	-	ug/kg		11 U	ug/kg	11	10 U	ug/kg	10
Bromoform		16 U	ug/kg	16	-	ug/kg		11 U	ug/kg	11	10 U	ug/kg	10
4-Methyl-2-pentanone		32 U	ug/kg	32	-	ug/kg		22 U	ug/kg	22	21 U	ug/kg	21
2-Hexanone		32 UJ	ug/kg	32	-	ug/kg		22 UJ	ug/kg	22	21 UJ	ug/kg	21
Tetrachloroethene		16 U	ug/kg	16	-	ug/kg		11 U	ug/kg	11	10 U	ug/kg	10
1,1,2,2-Tetrachloroethane		16 UJ	ug/kg	16	-	ug/kg		11 UJ	ug/kg	11	10 UJ	ug/kg	10
Toluene		16 U	ug/kg	16	-	ug/kg		11 U	ug/kg	11	10 U	ug/kg	10
Chlorobenzene		16 U	ug/kg	16	-	ug/kg		11 U	ug/kg	11	10 U	ug/kg	10
Ethylbenzene		16 U	ug/kg	16	-	ug/kg		11 U	ug/kg	11	10 U	ug/kg	10
Styrene		16 U	ug/kg	16	-	ug/kg		11 U	ug/kg	11	10 U	ug/kg	10
Xylenes (total)		16 U	ug/kg	16	-	ug/kg		11 U	ug/kg	11	10 U	ug/kg	10
Dichlorodifluoromethane		32 U	ug/kg	32	-	ug/kg		22 U	ug/kg	22	21 U	ug/kg	21
Trichlorofluoromethane		16 U	ug/kg	16	-	ug/kg		11 U	ug/kg	11	10 U	ug/kg	10
1,3-Dichlorobenzene		16 U	ug/kg	16	-	ug/kg		11 U	ug/kg	11	10 U	ug/kg	10
Acrolein		320 U	ug/kg	320	-	ug/kg		220 U	ug/kg	220	210 U	ug/kg	210
Iodomethane		32 U	ug/kg	32	-	ug/kg		22 U	ug/kg	22	21 U	ug/kg	21
1,4-Dichlorobenzene		16 U	ug/kg	16	-	ug/kg		11 U	ug/kg	11	10 U	ug/kg	10
Acrylonitrile		320 U	ug/kg	320	-	ug/kg		220 U	ug/kg	220	210 U	ug/kg	210

US Naval Station, Mayport, Florida
Analytical Results for Sediment Samples Collected at SWMU 4

Lab Sample Number:		MC031002				MC031003RE				MC031003				MC040003			
Site		GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator		02D03401				02D03401D				02D03401D				02D03801			
Collect Date:		03-OCT-96				03-OCT-96				03-OCT-96				04-OCT-96			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Dibromomethane		16	U	ug/kg	16	-		ug/kg		11	U	ug/kg	11	10	U	ug/kg	10
1,2-Dichlorobenzene		16	U	ug/kg	16	-		ug/kg		11	U	ug/kg	11	10	U	ug/kg	10
2-Chloroethylvinyl ether		32	U	ug/kg	32	-		ug/kg		22	U	ug/kg	22	21	U	ug/kg	21
Ethyl methacrylate		16	U	ug/kg	16	-		ug/kg		11	U	ug/kg	11	10	U	ug/kg	10
1,2,3-Trichloropropane		16	U	ug/kg	16	-		ug/kg		11	U	ug/kg	11	10	U	ug/kg	10
trans-1,4-Dichloro-2-butene		16	U	ug/kg	16	-		ug/kg		11	U	ug/kg	11	10	U	ug/kg	10
Isobutyl alcohol		640	UJ	ug/kg	640	-		ug/kg		440	UJ	ug/kg	440	420	UJ	ug/kg	420
1,1,1,2-Tetrachloroethane		16	U	ug/kg	16	-		ug/kg		11	U	ug/kg	11	10	U	ug/kg	10
1,2-Dibromo-3-chloropropane		32	U	ug/kg	32	-		ug/kg		22	U	ug/kg	22	21	U	ug/kg	21
Ethylene dibromide		16	U	ug/kg	16	-		ug/kg		11	U	ug/kg	11	10	U	ug/kg	10
1,4-Dioxane		640	R	ug/kg	640	-		ug/kg		440	R	ug/kg	440	420	R	ug/kg	420
3-Chloropropene		16	U	ug/kg	16	-		ug/kg		11	U	ug/kg	11	10	U	ug/kg	10
Acetonitrile		320	UJ	ug/kg	320	-		ug/kg		220	UJ	ug/kg	220	210	UJ	ug/kg	210
Chloroprene		640	U	ug/kg	640	-		ug/kg		440	U	ug/kg	440	420	U	ug/kg	420
Methacrylonitrile		16	U	ug/kg	16	-		ug/kg		11	U	ug/kg	11	10	U	ug/kg	10
Methyl methacrylate		32	U	ug/kg	32	-		ug/kg		22	U	ug/kg	22	21	U	ug/kg	21
Pentachloroethane		32	U	ug/kg	32	-		ug/kg		22	U	ug/kg	22	21	U	ug/kg	21
Propionitrile		320	UJ	ug/kg	320	-		ug/kg		220	UJ	ug/kg	220	210	UJ	ug/kg	210
Vinyl acetate		32	U	ug/kg	32	-		ug/kg		22	U	ug/kg	22	21	U	ug/kg	21
SEMIVOLATILES	ug/kg																
N-Nitrosodimethylamine		2200	UJ	ug/kg	2200	-		ug/kg		1500	UJ	ug/kg	1500	690	UJ	ug/kg	690
Phenol		2200	UJ	ug/kg	2200	-		ug/kg		1500	UJ	ug/kg	1500	690	UJ	ug/kg	690
Aniline		2200	UJ	ug/kg	2200	-		ug/kg		1500	UJ	ug/kg	1500	690	UJ	ug/kg	690
bis(2-Chloroethyl) ether		2200	UJ	ug/kg	2200	-		ug/kg		1500	UJ	ug/kg	1500	690	UJ	ug/kg	690
Benzyl Alcohol		2200	UJ	ug/kg	2200	-		ug/kg		1500	UJ	ug/kg	1500	690	UJ	ug/kg	690
2-Methylphenol		2200	UJ	ug/kg	2200	-		ug/kg		1500	UJ	ug/kg	1500	690	UJ	ug/kg	690
bis(2-Chloroisopropyl) ether		2200	UJ	ug/kg	2200	-		ug/kg		1500	UJ	ug/kg	1500	690	UJ	ug/kg	690
N-Nitroso-di-n-propylamine		2200	UJ	ug/kg	2200	-		ug/kg		1500	UJ	ug/kg	1500	690	UJ	ug/kg	690
Hexachloroethane		2200	UJ	ug/kg	2200	-		ug/kg		1500	UJ	ug/kg	1500	690	UJ	ug/kg	690
Nitrobenzene		2200	UJ	ug/kg	2200	-		ug/kg		1500	UJ	ug/kg	1500	690	UJ	ug/kg	690
Isophorone		2200	UJ	ug/kg	2200	-		ug/kg		1500	UJ	ug/kg	1500	690	UJ	ug/kg	690
2-Nitrophenol		2200	UJ	ug/kg	2200	-		ug/kg		1500	UJ	ug/kg	1500	690	UJ	ug/kg	690
2,4-Dimethylphenol		2200	UJ	ug/kg	2200	-		ug/kg		1500	UJ	ug/kg	1500	690	UJ	ug/kg	690
Benzoic acid		11000	UJ	ug/kg	11000	-		ug/kg		7300	UJ	ug/kg	7300	3400	UJ	ug/kg	3400
bis(2-Chloroethoxy) methane		2200	UJ	ug/kg	2200	-		ug/kg		1500	UJ	ug/kg	1500	690	UJ	ug/kg	690
2,4-Dichlorophenol		2200	UJ	ug/kg	2200	-		ug/kg		1500	UJ	ug/kg	1500	690	UJ	ug/kg	690
1,2,4-Trichlorobenzene		2200	UJ	ug/kg	2200	-		ug/kg		1500	UJ	ug/kg	1500	690	UJ	ug/kg	690
Naphthalene		2200	UJ	ug/kg	2200	-		ug/kg		1500	UJ	ug/kg	1500	690	UJ	ug/kg	690
4-Chloroaniline		2200	UJ	ug/kg	2200	-		ug/kg		1500	UJ	ug/kg	1500	690	UJ	ug/kg	690
Hexachlorobutadiene		2200	UJ	ug/kg	2200	-		ug/kg		1500	UJ	ug/kg	1500	690	UJ	ug/kg	690
4-Chloro-3-methylphenol		2200	UJ	ug/kg	2200	-		ug/kg		1500	UJ	ug/kg	1500	690	UJ	ug/kg	690
2-Methylnaphthalene		2200	UJ	ug/kg	2200	-		ug/kg		1500	UJ	ug/kg	1500	690	UJ	ug/kg	690
Hexachlorocyclopentadiene		2200	UJ	ug/kg	2200	-		ug/kg		1500	UJ	ug/kg	1500	690	UJ	ug/kg	690
2,4,6-Trichlorophenol		2200	UJ	ug/kg	2200	-		ug/kg		1500	UJ	ug/kg	1500	690	UJ	ug/kg	690
Dimethylphthalate		2200	UJ	ug/kg	2200	-		ug/kg		1500	UJ	ug/kg	1500	690	UJ	ug/kg	690
2,4,5-Trichlorophenol		11000	UJ	ug/kg	11000	-		ug/kg		7300	UJ	ug/kg	7300	3400	UJ	ug/kg	3400
2-Chloronaphthalene		2200	UJ	ug/kg	2200	-		ug/kg		1500	UJ	ug/kg	1500	690	UJ	ug/kg	690
2-Nitroaniline		11000	UJ	ug/kg	11000	-		ug/kg		7300	UJ	ug/kg	7300	3400	UJ	ug/kg	3400
Acenaphthylene		2200	UJ	ug/kg	2200	-		ug/kg		1500	UJ	ug/kg	1500	690	UJ	ug/kg	690
2,6-Dinitrotoluene		2200	UJ	ug/kg	2200	-		ug/kg		1500	UJ	ug/kg	1500	690	UJ	ug/kg	690
3-Nitroaniline		11000	UJ	ug/kg	11000	-		ug/kg		7300	UJ	ug/kg	7300	3400	UJ	ug/kg	3400

US Naval Station, Mayport, Florida
Analytical Results for Sediment Samples Collected at SWMU 4

Lab Sample Number:	MC031002				MC031003RE				MC031003				MC040003			
Site	GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator	02D03401				02D03401D				02D03401D				02D03801			
Collect Date:	03-OCT-96				03-OCT-96				03-OCT-96				04-OCT-96			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Acenaphthene	2200	UJ	ug/kg	2200	-		ug/kg		1500	UJ	ug/kg	1500	690	UJ	ug/kg	690
2,4-Dinitrophenol	11000	UJ	ug/kg	11000	-		ug/kg		7300	UJ	ug/kg	7300	3400	UJ	ug/kg	3400
4-Nitrophenol	11000	UJ	ug/kg	11000	-		ug/kg		7300	UJ	ug/kg	7300	3400	UJ	ug/kg	3400
Dibenzofuran	2200	UJ	ug/kg	2200	-		ug/kg		1500	UJ	ug/kg	1500	690	UJ	ug/kg	690
2,4-Dinitrotoluene	2200	UJ	ug/kg	2200	-		ug/kg		1500	UJ	ug/kg	1500	690	UJ	ug/kg	690
Diethylphthalate	2200	UJ	ug/kg	2200	-		ug/kg		1500	UJ	ug/kg	1500	690	UJ	ug/kg	690
4-Chlorophenyl-phenylether	2200	UJ	ug/kg	2200	-		ug/kg		1500	UJ	ug/kg	1500	690	UJ	ug/kg	690
Fluorene	2200	UJ	ug/kg	2200	-		ug/kg		1500	UJ	ug/kg	1500	690	UJ	ug/kg	690
4-Nitroaniline	11000	UJ	ug/kg	11000	-		ug/kg		7300	UJ	ug/kg	7300	3400	UJ	ug/kg	3400
4,6-Dinitro-2-methylphenol	11000	UJ	ug/kg	11000	-		ug/kg		7300	UJ	ug/kg	7300	3400	UJ	ug/kg	3400
N-Nitrosodiphenylamine	440	J	ug/kg	2200	-		ug/kg		1500	UJ	ug/kg	1500	690	UJ	ug/kg	690
1,2-Diphenylhydrazine	2200	UJ	ug/kg	2200	-		ug/kg		1500	UJ	ug/kg	1500	690	UJ	ug/kg	690
4-Bromophenyl-phenylether	2200	UJ	ug/kg	2200	-		ug/kg		1500	UJ	ug/kg	1500	690	UJ	ug/kg	690
Hexachlorobenzene	2200	UJ	ug/kg	2200	-		ug/kg		1500	UJ	ug/kg	1500	690	UJ	ug/kg	690
Pentachlorophenol	11000	UJ	ug/kg	11000	-		ug/kg		7300	UJ	ug/kg	7300	3400	UJ	ug/kg	3400
Phenanthrene	2200	UJ	ug/kg	2200	-		ug/kg		1500	UJ	ug/kg	1500	690	UJ	ug/kg	690
Anthracene	2200	UJ	ug/kg	2200	-		ug/kg		1500	UJ	ug/kg	1500	690	UJ	ug/kg	690
Di-n-Butylphthalate	2200	UJ	ug/kg	2200	-		ug/kg		1500	UJ	ug/kg	1500	690	UJ	ug/kg	690
Fluoranthene	2200	UJ	ug/kg	2200	-		ug/kg		1500	UJ	ug/kg	1500	690	UJ	ug/kg	690
Pyrene	180	J	ug/kg	2200	-		ug/kg		1500	UJ	ug/kg	1500	690	UJ	ug/kg	690
Butylbenzylphthalate	2200	UJ	ug/kg	2200	-		ug/kg		1500	UJ	ug/kg	1500	690	UJ	ug/kg	690
3,3-Dichlorobenzidine	4300	UJ	ug/kg	4300	-		ug/kg		3000	UJ	ug/kg	3000	1400	UJ	ug/kg	1400
Benzo (a) anthracene	2200	UJ	ug/kg	2200	-		ug/kg		1500	UJ	ug/kg	1500	690	UJ	ug/kg	690
Chrysene	2200	UJ	ug/kg	2200	-		ug/kg		1500	UJ	ug/kg	1500	690	UJ	ug/kg	690
bis(2-Ethylhexyl) phthalate	5000	J	ug/kg	2200	-		ug/kg		1200	J	ug/kg	1500	690	UJ	ug/kg	690
Di-n-octylphthalate	2200	UJ	ug/kg	2200	-		ug/kg		1500	UJ	ug/kg	1500	690	UJ	ug/kg	690
Benzo (b) fluoranthene	2200	UJ	ug/kg	2200	-		ug/kg		1500	UJ	ug/kg	1500	690	UJ	ug/kg	690
Benzo (k) fluoranthene	2200	UJ	ug/kg	2200	-		ug/kg		1500	UJ	ug/kg	1500	690	UJ	ug/kg	690
Benzo (a) pyrene	2200	UJ	ug/kg	2200	-		ug/kg		1500	UJ	ug/kg	1500	690	UJ	ug/kg	690
Indeno (1,2,3-cd) pyrene	2200	UJ	ug/kg	2200	-		ug/kg		1500	UJ	ug/kg	1500	690	UJ	ug/kg	690
Dibenzo (a,h) anthracene	2200	UJ	ug/kg	2200	-		ug/kg		1500	UJ	ug/kg	1500	690	UJ	ug/kg	690
Benzo (g,h,i) perylene	2200	UJ	ug/kg	2200	-		ug/kg		1500	UJ	ug/kg	1500	690	UJ	ug/kg	690
2-Picoline	11000	UJ	ug/kg	11000	-		ug/kg		7300	UJ	ug/kg	7300	3400	UJ	ug/kg	3400
Methyl methanesulfonate	2200	UJ	ug/kg	2200	-		ug/kg		1500	UJ	ug/kg	1500	690	UJ	ug/kg	690
Ethyl methanesulfonate	2200	UJ	ug/kg	2200	-		ug/kg		1500	UJ	ug/kg	1500	690	UJ	ug/kg	690
Acetophenone	2200	UJ	ug/kg	2200	-		ug/kg		1500	UJ	ug/kg	1500	690	UJ	ug/kg	690
N-Nitrosopiperidine	2200	UJ	ug/kg	2200	-		ug/kg		1500	UJ	ug/kg	1500	690	UJ	ug/kg	690
Phenyl-tert-butylamine	11000	UJ	ug/kg	11000	-		ug/kg		7300	UJ	ug/kg	7300	3400	UJ	ug/kg	3400
2,6-Dichlorophenol	2200	UJ	ug/kg	2200	-		ug/kg		1500	UJ	ug/kg	1500	690	UJ	ug/kg	690
N-Nitroso-di-n-butylamine	2200	UJ	ug/kg	2200	-		ug/kg		1500	UJ	ug/kg	1500	690	UJ	ug/kg	690
N-Nitrosodiethylamine	2200	UJ	ug/kg	2200	-		ug/kg		1500	UJ	ug/kg	1500	690	UJ	ug/kg	690
N-Nitrosopyrrolidine	2200	UJ	ug/kg	2200	-		ug/kg		1500	UJ	ug/kg	1500	690	UJ	ug/kg	690
Benzidine	11000	UJ	ug/kg	11000	-		ug/kg		7300	UJ	ug/kg	7300	3400	UJ	ug/kg	3400
1,2,4,5-Tetrachlorobenzene	11000	UJ	ug/kg	11000	-		ug/kg		7300	UJ	ug/kg	7300	3400	UJ	ug/kg	3400
Pentachlorobenzene	11000	UJ	ug/kg	11000	-		ug/kg		7300	UJ	ug/kg	7300	3400	UJ	ug/kg	3400
1-Naphthylamine	11000	UJ	ug/kg	11000	-		ug/kg		7300	UJ	ug/kg	7300	3400	UJ	ug/kg	3400
2-Naphthylamine	11000	UJ	ug/kg	11000	-		ug/kg		7300	UJ	ug/kg	7300	3400	UJ	ug/kg	3400
2,3,4,6-Tetrachlorophenol	2200	UJ	ug/kg	2200	-		ug/kg		1500	UJ	ug/kg	1500	690	UJ	ug/kg	690
Phenacetin	2200	UJ	ug/kg	2200	-		ug/kg		1500	UJ	ug/kg	1500	690	UJ	ug/kg	690
4-Aminobiphenyl	11000	UJ	ug/kg	11000	-		ug/kg		7300	UJ	ug/kg	7300	3400	UJ	ug/kg	3400
Pentachloronitrobenzene	11000	UJ	ug/kg	11000	-		ug/kg		7300	UJ	ug/kg	7300	3400	UJ	ug/kg	3400
Pronamide	2200	UJ	ug/kg	2200	-		ug/kg		1500	UJ	ug/kg	1500	690	UJ	ug/kg	690

US Naval Station, Mayport, Florida
Analytical Results for Sediment Samples Collected at SWMU 4

Lab Sample Number:		MC031002				MC031003RE				MC031003				MC040003			
Site		GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator		02D03401				02D03401D				02D03401D				02D03801			
Collect Date:		03-OCT-96				03-OCT-96				03-OCT-96				04-OCT-96			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
p-Dimethylaminoazobenzene		2200	UJ	ug/kg	2200	-		ug/kg		1500	UJ	ug/kg	1500	690	UJ	ug/kg	690
7,12-Dimethylbenz(A)Anthracene		2200	UJ	ug/kg	2200	-		ug/kg		1500	UJ	ug/kg	1500	690	UJ	ug/kg	690
3-Methylcholanthrene		2200	UJ	ug/kg	2200	-		ug/kg		1500	UJ	ug/kg	1500	690	UJ	ug/kg	690
Pyridine		11000	UJ	ug/kg	11000	-		ug/kg		7300	UJ	ug/kg	7300	3400	UJ	ug/kg	3400
N-Nitrosomethylethylamine		2200	UJ	ug/kg	2200	-		ug/kg		1500	UJ	ug/kg	1500	690	UJ	ug/kg	690
N-Nitrosomorpholine		2200	UJ	ug/kg	2200	-		ug/kg		1500	UJ	ug/kg	1500	690	UJ	ug/kg	690
o-Toluidine		2200	UJ	ug/kg	2200	-		ug/kg		1500	UJ	ug/kg	1500	690	UJ	ug/kg	690
Hexachloropropene		11000	UJ	ug/kg	11000	-		ug/kg		7300	UJ	ug/kg	7300	3400	UJ	ug/kg	3400
p-Phenylenediamine		110000	R	ug/kg	110000	-		ug/kg		73000	R	ug/kg	73000	34000	R	ug/kg	34000
Safrole		11000	UJ	ug/kg	11000	-		ug/kg		7300	UJ	ug/kg	7300	3400	UJ	ug/kg	3400
Isosafrole		11000	UJ	ug/kg	11000	-		ug/kg		7300	UJ	ug/kg	7300	3400	UJ	ug/kg	3400
1,4-Naphthoquinone		220000	UJ	ug/kg	220000	-		ug/kg		150000	UJ	ug/kg	150000	69000	UJ	ug/kg	69000
1,3-Dinitrobenzene		2200	UJ	ug/kg	2200	-		ug/kg		1500	UJ	ug/kg	1500	690	UJ	ug/kg	690
5-Nitro-o-toluidine		2200	UJ	ug/kg	2200	-		ug/kg		1500	UJ	ug/kg	1500	690	UJ	ug/kg	690
1,3,5-Trinitrobenzene		2200	UJ	ug/kg	2200	-		ug/kg		1500	UJ	ug/kg	1500	690	UJ	ug/kg	690
4-Nitroquinoline-1-oxide		110000	UJ	ug/kg	110000	-		ug/kg		73000	UJ	ug/kg	73000	34000	UJ	ug/kg	34000
Methapyrilene		11000	UJ	ug/kg	11000	-		ug/kg		7300	UJ	ug/kg	7300	3400	UJ	ug/kg	3400
3,3-Dimethylbenzidine		2200	UJ	ug/kg	2200	-		ug/kg		1500	UJ	ug/kg	1500	690	UJ	ug/kg	690
Hexachlorophene		110000	R	ug/kg	110000	-		ug/kg		73000	R	ug/kg	73000	34000	R	ug/kg	34000
Aramite		11000	R	ug/kg	11000	-		ug/kg		7300	R	ug/kg	7300	3400	R	ug/kg	3400
2-Chlorophenol		2200	UJ	ug/kg	2200	-		ug/kg		1500	UJ	ug/kg	1500	690	UJ	ug/kg	690
3- & 4-Methylphenol (2)		2200	UJ	ug/kg	2200	-		ug/kg		1500	UJ	ug/kg	1500	690	UJ	ug/kg	690
Hexachloropropene		11000	UJ	ug/kg	11000	-		ug/kg		7300	UJ	ug/kg	7300	3400	UJ	ug/kg	3400
2-Acetylaminofluorene		2200	UJ	ug/kg	2200	-		ug/kg		1500	UJ	ug/kg	1500	690	UJ	ug/kg	690
PESTICIDES/PCBs	ug/kg																
alpha-BHC		-		ug/kg		30	UJ	ug/kg	30	-		ug/kg		5.6	U	ug/kg	5.6
beta-BHC		-		ug/kg		58	UJ	ug/kg	58	-		ug/kg		11	U	ug/kg	11
delta-BHC		-		ug/kg		30	UJ	ug/kg	30	-		ug/kg		5.6	U	ug/kg	5.6
gamma-BHC (Lindane)		-		ug/kg		30	UJ	ug/kg	30	-		ug/kg		5.6	U	ug/kg	5.6
Heptachlor		-		ug/kg		30	U	ug/kg	30	-		ug/kg		5.6	U	ug/kg	5.6
Aldrin		-		ug/kg		30	U	ug/kg	30	-		ug/kg		5.6	U	ug/kg	5.6
Heptachlor epoxide		-		ug/kg		30	U	ug/kg	30	-		ug/kg		5.6	U	ug/kg	5.6
Endosulfan I		-		ug/kg		30	U	ug/kg	30	-		ug/kg		5.6	U	ug/kg	5.6
Dieldrin		-		ug/kg		30	U	ug/kg	30	-		ug/kg		5.6	U	ug/kg	5.6
4,4-DDE		-		ug/kg		30	UJ	ug/kg	30	-		ug/kg		5.6	U	ug/kg	5.6
Endrin		-		ug/kg		58	UJ	ug/kg	58	-		ug/kg		11	U	ug/kg	11
Endosulfan II		-		ug/kg		58	U	ug/kg	58	-		ug/kg		11	U	ug/kg	11
4,4-DDD		-		ug/kg		58	UJ	ug/kg	58	-		ug/kg		11	U	ug/kg	11
Endosulfan sulfate		-		ug/kg		58	U	ug/kg	58	-		ug/kg		11	U	ug/kg	11
4,4-DDT		-		ug/kg		58	UJ	ug/kg	58	-		ug/kg		11	U	ug/kg	11
Methoxychlor		-		ug/kg		120	U	ug/kg	120	-		ug/kg		23	U	ug/kg	23
Endrin aldehyde		-		ug/kg		58	U	ug/kg	58	-		ug/kg		11	U	ug/kg	11
Endrin ketone		-		ug/kg		58	UJ	ug/kg	58	-		ug/kg		11	U	ug/kg	11
Chlordane		-		ug/kg		300	UJ	ug/kg	300	-		ug/kg		56	U	ug/kg	56
Chlorobenzilate		-		ug/kg		890	U	ug/kg	890	-		ug/kg		170	U	ug/kg	170
Diallate		-		ug/kg		1800	U	ug/kg	1800	-		ug/kg		330	U	ug/kg	330
Toxaphene		-		ug/kg		1500	U	ug/kg	1500	-		ug/kg		280	U	ug/kg	280
Isodrin		-		ug/kg		30	U	ug/kg	30	-		ug/kg		5.6	U	ug/kg	5.6
Kepone		15000	UJ	ug/kg	15000	90	UJ	ug/kg	90	-		ug/kg		170	UJ	ug/kg	170
Aroclor-1016		-		ug/kg		1500	U	ug/kg	1500	-		ug/kg		280	U	ug/kg	280
Aroclor-1221		-		ug/kg		3000	U	ug/kg	3000	-		ug/kg		560	U	ug/kg	560

US Naval Station, Mayport, Florida
Analytical Results for Sediment Samples Collected at SWMU 4

Lab Sample Number:		MC031002				MC031003RE				MC031003				MC040003			
Site		GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator		02D03401				02D03401D				02D03401D				02D03801			
Collect Date:		03-OCT-96				03-OCT-96				03-OCT-96				04-OCT-96			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Aroclor-1232		-		ug/kg		3000	U	ug/kg	3000	-		ug/kg		560	U	ug/kg	560
Aroclor-1242		-		ug/kg		1500	U	ug/kg	1500	-		ug/kg		280	U	ug/kg	280
Aroclor-1248		-		ug/kg		1500	U	ug/kg	1500	-		ug/kg		280	U	ug/kg	280
Aroclor-1254		-		ug/kg		760	U	ug/kg	760	-		ug/kg		140	U	ug/kg	140
Aroclor-1260		-		ug/kg		760	U	ug/kg	760	-		ug/kg		140	U	ug/kg	140
INORGANICS (SOIL)	mg/kg																
Antimony		1.1	U	mg/kg	1.1	-		mg/kg		.75	U	mg/kg	.75	.71	U	mg/kg	.71
Arsenic		4.8	U	mg/kg	4.8	-		mg/kg		3.3	U	mg/kg	3.3	3.1	U	mg/kg	3.1
Barium		20.1	J	mg/kg	.11	-		mg/kg		11.4	J	mg/kg	.078	9.9	J	mg/kg	.073
Beryllium		.11	J	mg/kg	.036	-		mg/kg		.09	J	mg/kg	.024	.3	J	mg/kg	.023
Cadmium		1.1	U	mg/kg	1.1	-		mg/kg		.73	U	mg/kg	.73	.69	U	mg/kg	.69
Chromium		5.4	J	mg/kg	.71	-		mg/kg		3.5	J	mg/kg	.49	12	J	mg/kg	.46
Cobalt		.7	J	mg/kg	.1	-		mg/kg		.49	J	mg/kg	.071	1.4	J	mg/kg	.067
Copper		4.7	J	mg/kg	.55	-		mg/kg		2.9	J	mg/kg	.37	2.6	J	mg/kg	.35
Cyanide		.29	UJ	mg/kg	.29	-		mg/kg		.19	UJ	mg/kg	.19	.18	UJ	mg/kg	.18
Lead		5.1	U	mg/kg	5.1	-		mg/kg		3.5	U	mg/kg	3.5	5.3		mg/kg	3.3
Mercury		.08	J	mg/kg	.021	-		mg/kg		.05	J	mg/kg	.014	.06	J	mg/kg	.013
Nickel		.4	U	mg/kg	.4	-		mg/kg		.39	J	mg/kg	.27	3.1	J	mg/kg	.26
Selenium		9.5	U	mg/kg	9.5	-		mg/kg		6.5	U	mg/kg	6.5	6.2	U	mg/kg	6.2
Silver		.71	U	mg/kg	.71	-		mg/kg		.49	U	mg/kg	.49	.46	U	mg/kg	.46
Thallium		.63	UJ	mg/kg	.63	-		mg/kg		.43	UJ	mg/kg	.43	.41	UJ	mg/kg	.41
Tin		6.8	J	mg/kg	2.2	-		mg/kg		4.9	J	mg/kg	1.5	7.9	J	mg/kg	1.4
Vanadium		6.9	J	mg/kg	.19	-		mg/kg		5.2	J	mg/kg	.13	12.8		mg/kg	.12
Zinc		23.1		mg/kg	.3	-		mg/kg		17.1		mg/kg	.21	16.1		mg/kg	.19
Total organic carbon		-		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.

US Naval Station, Mayport, Florida
Analytical Results for Sediment Samples Collected at SWMU 4

Lab Sample Number:		MC040002				MB982001				MB982002				MB982003			
Site		GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator		02D03901				04D00101				04D00102				04D00202			
Collect Date:		04-OCT-96				30-SEP-96				30-SEP-96				30-SEP-96			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
VOLATILES	ug/kg																
Chloromethane		18	U	ug/kg	18	62	U	ug/kg	62	25	U	ug/kg	25	19	U	ug/kg	19
Bromomethane		18	U	ug/kg	18	62	U	ug/kg	62	25	U	ug/kg	25	19	U	ug/kg	19
Vinyl chloride		18	U	ug/kg	18	62	U	ug/kg	62	25	U	ug/kg	25	19	U	ug/kg	19
Chloroethane		18	U	ug/kg	18	62	U	ug/kg	62	25	U	ug/kg	25	19	U	ug/kg	19
Methylene chloride		9	U	ug/kg	9	31	U	ug/kg	31	12	U	ug/kg	12	10	U	ug/kg	10
Acetone		19	U	ug/kg	19	380		ug/kg	62	71	U	ug/kg	71	69	U	ug/kg	69
Carbon disulfide		9	U	ug/kg	9	37		ug/kg	31	9	J	ug/kg	12	2	J	ug/kg	10
1,1-Dichloroethane		9	U	ug/kg	9	31	U	ug/kg	31	12	U	ug/kg	12	10	U	ug/kg	10
1,1-Dichloroethene		9	U	ug/kg	9	31	U	ug/kg	31	12	U	ug/kg	12	10	U	ug/kg	10
1,2-Dichloroethene (total)		9	U	ug/kg	9	110		ug/kg	31	12	U	ug/kg	12	10	U	ug/kg	10
Chloroform		9	U	ug/kg	9	31	U	ug/kg	31	12	U	ug/kg	12	10	U	ug/kg	10
1,2-Dichloroethane		9	U	ug/kg	9	31	U	ug/kg	31	12	U	ug/kg	12	10	U	ug/kg	10
2-Butanone		18	UJ	ug/kg	18	76		ug/kg	62	11	J	ug/kg	25	18	J	ug/kg	19
1,1,1-Trichloroethane		9	U	ug/kg	9	31	U	ug/kg	31	12	U	ug/kg	12	10	U	ug/kg	10
Carbon tetrachloride		9	U	ug/kg	9	31	U	ug/kg	31	12	U	ug/kg	12	10	U	ug/kg	10
Bromodichloromethane		9	U	ug/kg	9	31	U	ug/kg	31	12	U	ug/kg	12	10	U	ug/kg	10
1,2-Dichloropropane		9	U	ug/kg	9	31	U	ug/kg	31	12	U	ug/kg	12	10	U	ug/kg	10
cis-1,3-Dichloropropene		9	U	ug/kg	9	31	U	ug/kg	31	12	U	ug/kg	12	10	U	ug/kg	10
Trichloroethene		9	U	ug/kg	9	31	U	ug/kg	31	12	U	ug/kg	12	10	U	ug/kg	10
Dibromochloromethane		9	U	ug/kg	9	31	U	ug/kg	31	12	U	ug/kg	12	10	U	ug/kg	10
1,1,2-Trichloroethane		9	U	ug/kg	9	31	U	ug/kg	31	12	U	ug/kg	12	10	U	ug/kg	10
Benzene		9	U	ug/kg	9	31	U	ug/kg	31	12	U	ug/kg	12	10	U	ug/kg	10
trans-1,3-Dichloropropene		9	U	ug/kg	9	31	U	ug/kg	31	12	U	ug/kg	12	10	U	ug/kg	10
Bromoform		9	U	ug/kg	9	31	U	ug/kg	31	12	U	ug/kg	12	10	U	ug/kg	10
4-Methyl-2-pentanone		18	U	ug/kg	18	62	U	ug/kg	62	25	U	ug/kg	25	19	U	ug/kg	19
2-Hexanone		18	UJ	ug/kg	18	62	U	ug/kg	62	25	U	ug/kg	25	19	U	ug/kg	19
Tetrachloroethene		9	U	ug/kg	9	31	U	ug/kg	31	12	U	ug/kg	12	10	U	ug/kg	10
1,1,2,2-Tetrachloroethane		9	UJ	ug/kg	9	31	UJ	ug/kg	31	12	UJ	ug/kg	12	10	UJ	ug/kg	10
Toluene		9	U	ug/kg	9	31	U	ug/kg	31	12	U	ug/kg	12	10	U	ug/kg	10
Chlorobenzene		24		ug/kg	9	10	J	ug/kg	31	12	U	ug/kg	12	10		ug/kg	10
Ethylbenzene		9	U	ug/kg	9	31	U	ug/kg	31	12	U	ug/kg	12	10	U	ug/kg	10
Styrene		9	U	ug/kg	9	31	U	ug/kg	31	12	U	ug/kg	12	10	U	ug/kg	10
Xylenes (total)		9	U	ug/kg	9	31	U	ug/kg	31	12	U	ug/kg	12	5	J	ug/kg	10
Dichlorodifluoromethane		18	U	ug/kg	18	62	U	ug/kg	62	25	U	ug/kg	25	19	U	ug/kg	19
Trichlorofluoromethane		9	U	ug/kg	9	31	U	ug/kg	31	12	U	ug/kg	12	10	U	ug/kg	10
1,3-Dichlorobenzene		9	U	ug/kg	9	31	U	ug/kg	31	12	U	ug/kg	12	10	U	ug/kg	10
Acrolein		180	U	ug/kg	180	620	UJ	ug/kg	620	250	UJ	ug/kg	250	190	UJ	ug/kg	190
Iodomethane		18	U	ug/kg	18	62	U	ug/kg	62	25	U	ug/kg	25	19	U	ug/kg	19
1,4-Dichlorobenzene		8	J	ug/kg	9	31	U	ug/kg	31	12	U	ug/kg	12	10	U	ug/kg	10
Acrylonitrile		180	U	ug/kg	180	620	U	ug/kg	620	250	U	ug/kg	250	190	U	ug/kg	190

US Naval Station, Mayport, Florida
Analytical Results for Sediment Samples Collected at SWMU 4

Lab Sample Number:		MC040002				MB982001				MB982002				MB982003			
Site		GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator		02D03901				04D00101				04D00102				04D00202			
Collect Date:		04-OCT-96				30-SEP-96				30-SEP-96				30-SEP-96			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Dibromomethane		9	U	ug/kg	9	31	U	ug/kg	31	12	U	ug/kg	12	10	U	ug/kg	10
1,2-Dichlorobenzene		9	U	ug/kg	9	31	U	ug/kg	31	12	U	ug/kg	12	10	U	ug/kg	10
2-Chloroethylvinyl ether		18	U	ug/kg	18	62	U	ug/kg	62	25	U	ug/kg	25	19	U	ug/kg	19
Ethyl methacrylate		9	U	ug/kg	9	31	U	ug/kg	31	12	U	ug/kg	12	10	U	ug/kg	10
1,2,3-Trichloropropane		9	U	ug/kg	9	31	U	ug/kg	31	12	U	ug/kg	12	10	U	ug/kg	10
trans-1,4-Dichloro-2-butene		9	U	ug/kg	9	31	U	ug/kg	31	12	U	ug/kg	12	10	U	ug/kg	10
Isobutyl alcohol		370	UJ	ug/kg	370	1200	U	ug/kg	1200	500	U	ug/kg	500	380	U	ug/kg	380
1,1,1,2-Tetrachloroethane		9	U	ug/kg	9	31	U	ug/kg	31	12	U	ug/kg	12	10	U	ug/kg	10
1,2-Dibromo-3-chloropropane		18	U	ug/kg	18	62	U	ug/kg	62	25	U	ug/kg	25	19	U	ug/kg	19
Ethylene dibromide		9	U	ug/kg	9	31	U	ug/kg	31	12	U	ug/kg	12	10	U	ug/kg	10
1,4-Dioxane		370	R	ug/kg	370	1200	R	ug/kg	1200	500	R	ug/kg	500	380	R	ug/kg	380
3-Chloropropene		9	U	ug/kg	9	31	U	ug/kg	31	12	U	ug/kg	12	10	U	ug/kg	10
Acetonitrile		180	UJ	ug/kg	180	620	U	ug/kg	620	250	U	ug/kg	250	190	U	ug/kg	190
Chloroprene		370	U	ug/kg	370	1200	U	ug/kg	1200	500	U	ug/kg	500	380	U	ug/kg	380
Methacrylonitrile		9	U	ug/kg	9	31	U	ug/kg	31	12	U	ug/kg	12	10	U	ug/kg	10
Methyl methacrylate		18	U	ug/kg	18	62	U	ug/kg	62	25	U	ug/kg	25	19	U	ug/kg	19
Pentachloroethane		18	U	ug/kg	18	62	UJ	ug/kg	62	25	UJ	ug/kg	25	19	UJ	ug/kg	19
Propionitrile		180	UJ	ug/kg	180	620	U	ug/kg	620	250	U	ug/kg	250	190	U	ug/kg	190
Vinyl acetate		18	U	ug/kg	18	62	U	ug/kg	62	25	U	ug/kg	25	19	U	ug/kg	19
SEMIVOLATILES	ug/kg																
N-Nitrosodimethylamine		610	UJ	ug/kg	610	1600	U	ug/kg	1600	790	UJ	ug/kg	790	640	U	ug/kg	640
Phenol		610	UJ	ug/kg	610	1600	U	ug/kg	1600	790	UJ	ug/kg	790	640	U	ug/kg	640
Aniline		610	UJ	ug/kg	610	1600	U	ug/kg	1600	790	UJ	ug/kg	790	640	U	ug/kg	640
bis(2-Chloroethyl) ether		610	UJ	ug/kg	610	1600	U	ug/kg	1600	790	UJ	ug/kg	790	640	U	ug/kg	640
Benzyl Alcohol		610	UJ	ug/kg	610	1600	U	ug/kg	1600	790	UJ	ug/kg	790	640	U	ug/kg	640
2-Methylphenol		610	UJ	ug/kg	610	1600	U	ug/kg	1600	790	UJ	ug/kg	790	640	U	ug/kg	640
bis(2-Chloroisopropyl) ether		610	UJ	ug/kg	610	1600	U	ug/kg	1600	790	UJ	ug/kg	790	640	U	ug/kg	640
N-Nitroso-di-n-propylamine		610	UJ	ug/kg	610	1600	U	ug/kg	1600	790	UJ	ug/kg	790	640	U	ug/kg	640
Hexachloroethane		610	UJ	ug/kg	610	1600	U	ug/kg	1600	790	UJ	ug/kg	790	640	U	ug/kg	640
Nitrobenzene		610	UJ	ug/kg	610	1600	U	ug/kg	1600	790	UJ	ug/kg	790	640	U	ug/kg	640
Isophorone		610	UJ	ug/kg	610	1600	U	ug/kg	1600	790	UJ	ug/kg	790	640	U	ug/kg	640
2-Nitrophenol		610	UJ	ug/kg	610	1600	U	ug/kg	1600	790	UJ	ug/kg	790	640	U	ug/kg	640
2,4-Dimethylphenol		610	UJ	ug/kg	610	1600	U	ug/kg	1600	790	UJ	ug/kg	790	640	U	ug/kg	640
Benzoic acid		3000	UJ	ug/kg	3000	7800	UJ	ug/kg	7800	3900	UJ	ug/kg	3900	3200	UJ	ug/kg	3200
bis(2-Chloroethoxy) methane		610	UJ	ug/kg	610	1600	U	ug/kg	1600	790	UJ	ug/kg	790	640	U	ug/kg	640
2,4-Dichlorophenol		610	UJ	ug/kg	610	1600	U	ug/kg	1600	790	UJ	ug/kg	790	640	U	ug/kg	640
1,2,4-Trichlorobenzene		610	UJ	ug/kg	610	1600	U	ug/kg	1600	790	UJ	ug/kg	790	640	U	ug/kg	640
Naphthalene		610	UJ	ug/kg	610	1600	U	ug/kg	1600	790	UJ	ug/kg	790	640	U	ug/kg	640
4-Chloroaniline		610	UJ	ug/kg	610	1600	U	ug/kg	1600	790	UJ	ug/kg	790	640	U	ug/kg	640
Hexachlorobutadiene		610	UJ	ug/kg	610	1600	U	ug/kg	1600	790	UJ	ug/kg	790	640	U	ug/kg	640
4-Chloro-3-methylphenol		610	UJ	ug/kg	610	1600	U	ug/kg	1600	790	UJ	ug/kg	790	640	U	ug/kg	640
2-Methylnaphthalene		610	UJ	ug/kg	610	1600	U	ug/kg	1600	790	UJ	ug/kg	790	640	U	ug/kg	640
Hexachlorocyclopentadiene		610	UJ	ug/kg	610	1600	U	ug/kg	1600	790	UJ	ug/kg	790	640	U	ug/kg	640
2,4,6-Trichlorophenol		610	UJ	ug/kg	610	1600	U	ug/kg	1600	790	UJ	ug/kg	790	640	U	ug/kg	640
Dimethylphthalate		610	UJ	ug/kg	610	1600	U	ug/kg	1600	790	UJ	ug/kg	790	640	U	ug/kg	640
2,4,5-Trichlorophenol		3000	UJ	ug/kg	3000	7800	U	ug/kg	7800	3900	UJ	ug/kg	3900	3200	U	ug/kg	3200
2-Chloronaphthalene		610	UJ	ug/kg	610	1600	U	ug/kg	1600	790	UJ	ug/kg	790	640	U	ug/kg	640
2-Nitroaniline		3000	UJ	ug/kg	3000	7800	U	ug/kg	7800	3900	UJ	ug/kg	3900	3200	U	ug/kg	3200
Acenaphthylene		610	UJ	ug/kg	610	1600	U	ug/kg	1600	790	UJ	ug/kg	790	640	U	ug/kg	640
2,6-Dinitrotoluene		610	UJ	ug/kg	610	1600	U	ug/kg	1600	790	UJ	ug/kg	790	640	U	ug/kg	640
3-Nitroaniline		3000	UJ	ug/kg	3000	7800	U	ug/kg	7800	3900	UJ	ug/kg	3900	3200	U	ug/kg	3200

US Naval Station, Mayport, Florida
Analytical Results for Sediment Samples Collected at SWMU 4

Lab Sample Number:	MC040002				MB982001				MB982002				MB982003			
Site	GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator	02D03901				04000101				04D00102				04D00202			
Collect Date:	04-OCT-96				30-SEP-96				30-SEP-96				30-SEP-96			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Acenaphthene	610	UJ	ug/kg	610	1600	U	ug/kg	1600	150	J	ug/kg	790	640	U	ug/kg	640
2,4-Dinitrophenol	3000	UJ	ug/kg	3000	7800	U	ug/kg	7800	3900	UJ	ug/kg	3900	3200	U	ug/kg	3200
4-Nitrophenol	3000	UJ	ug/kg	3000	7800	U	ug/kg	7800	3900	UJ	ug/kg	3900	3200	U	ug/kg	3200
Dibenzofuran	610	UJ	ug/kg	610	1600	U	ug/kg	1600	790	UJ	ug/kg	790	640	U	ug/kg	640
2,4-Dinitrotoluene	610	UJ	ug/kg	610	1600	U	ug/kg	1600	790	UJ	ug/kg	790	640	U	ug/kg	640
Diethylphthalate	610	UJ	ug/kg	610	1600	U	ug/kg	1600	790	UJ	ug/kg	790	640	U	ug/kg	640
4-Chlorophenyl-phenylether	610	UJ	ug/kg	610	1600	U	ug/kg	1600	790	UJ	ug/kg	790	640	U	ug/kg	640
Fluorene	610	UJ	ug/kg	610	1600	U	ug/kg	1600	790	UJ	ug/kg	790	640	U	ug/kg	640
4-Nitroaniline	3000	UJ	ug/kg	3000	7800	U	ug/kg	7800	3900	UJ	ug/kg	3900	3200	U	ug/kg	3200
4,6-Dinitro-2-methylphenol	3000	UJ	ug/kg	3000	7800	U	ug/kg	7800	3900	UJ	ug/kg	3900	3200	U	ug/kg	3200
N-Nitrosodiphenylamine	610	UJ	ug/kg	610	1600	U	ug/kg	1600	790	UJ	ug/kg	790	640	U	ug/kg	640
1,2-Diphenylhydrazine	610	UJ	ug/kg	610	1600	U	ug/kg	1600	790	UJ	ug/kg	790	640	U	ug/kg	640
4-Bromophenyl-phenylether	610	UJ	ug/kg	610	1600	U	ug/kg	1600	790	UJ	ug/kg	790	640	U	ug/kg	640
Hexachlorobenzene	610	UJ	ug/kg	610	1600	U	ug/kg	1600	790	UJ	ug/kg	790	640	U	ug/kg	640
Pentachlorophenol	3000	UJ	ug/kg	3000	7800	U	ug/kg	7800	3900	UJ	ug/kg	3900	3200	U	ug/kg	3200
Phenanthrene	610	UJ	ug/kg	610	1600	U	ug/kg	1600	790	UJ	ug/kg	790	640	U	ug/kg	640
Anthracene	610	UJ	ug/kg	610	1600	U	ug/kg	1600	790	UJ	ug/kg	790	640	U	ug/kg	640
Di-n-Butylphthalate	610	UJ	ug/kg	610	1600	U	ug/kg	1600	790	UJ	ug/kg	790	640	U	ug/kg	640
Fluoranthene	61	J	ug/kg	610	1600	U	ug/kg	1600	97	J	ug/kg	790	640	U	ug/kg	640
Pyrene	75	J	ug/kg	610	1600	U	ug/kg	1600	790	UJ	ug/kg	790	67	J	ug/kg	640
Butylbenzylphthalate	610	UJ	ug/kg	610	1600	U	ug/kg	1600	790	UJ	ug/kg	790	640	U	ug/kg	640
3,3-Dichlorobenzidine	1200	UJ	ug/kg	1200	3200	U	ug/kg	3200	1600	UJ	ug/kg	1600	1300	U	ug/kg	1300
Benzo (a) anthracene	610	UJ	ug/kg	610	1600	U	ug/kg	1600	790	UJ	ug/kg	790	640	U	ug/kg	640
Chrysene	610	UJ	ug/kg	610	1600	U	ug/kg	1600	790	UJ	ug/kg	790	640	U	ug/kg	640
bis(2-Ethylhexyl) phthalate	120	J	ug/kg	610	2600		ug/kg	1600	790	UJ	ug/kg	790	640	U	ug/kg	640
Di-n-octylphthalate	610	UJ	ug/kg	610	1600	U	ug/kg	1600	790	UJ	ug/kg	790	640	U	ug/kg	640
Benzo (b) fluoranthene	610	UJ	ug/kg	610	1600	U	ug/kg	1600	790	UJ	ug/kg	790	640	U	ug/kg	640
Benzo (k) fluoranthene	610	UJ	ug/kg	610	1600	U	ug/kg	1600	790	UJ	ug/kg	790	640	U	ug/kg	640
Benzo (a) pyrene	610	UJ	ug/kg	610	1600	U	ug/kg	1600	790	UJ	ug/kg	790	640	U	ug/kg	640
Indeno (1,2,3-cd) pyrene	610	UJ	ug/kg	610	1600	U	ug/kg	1600	790	UJ	ug/kg	790	640	U	ug/kg	640
Dibenzo (a,h) anthracene	610	UJ	ug/kg	610	1600	U	ug/kg	1600	790	UJ	ug/kg	790	640	U	ug/kg	640
Benzo (g,h,i) perylene	610	UJ	ug/kg	610	1600	U	ug/kg	1600	790	UJ	ug/kg	790	640	U	ug/kg	640
2-Picoline	3000	UJ	ug/kg	3000	7800	U	ug/kg	7800	3900	UJ	ug/kg	3900	3200	U	ug/kg	3200
Methyl methanesulfonate	610	UJ	ug/kg	610	1600	U	ug/kg	1600	790	UJ	ug/kg	790	640	U	ug/kg	640
Ethyl methanesulfonate	610	UJ	ug/kg	610	1600	U	ug/kg	1600	790	UJ	ug/kg	790	640	U	ug/kg	640
Acetophenone	610	UJ	ug/kg	610	1600	U	ug/kg	1600	790	UJ	ug/kg	790	640	U	ug/kg	640
N-Nitrosopiperidine	610	UJ	ug/kg	610	1600	UJ	ug/kg	1600	790	UJ	ug/kg	790	640	UJ	ug/kg	640
Phenyl-tert-butylamine	3000	UJ	ug/kg	3000	7800	U	ug/kg	7800	3900	UJ	ug/kg	3900	3200	U	ug/kg	3200
2,6-Dichlorophenol	610	UJ	ug/kg	610	1600	U	ug/kg	1600	790	UJ	ug/kg	790	640	U	ug/kg	640
N-Nitroso-di-n-butylamine	610	UJ	ug/kg	610	1600	U	ug/kg	1600	790	UJ	ug/kg	790	640	U	ug/kg	640
N-Nitrosodiethylamine	610	UJ	ug/kg	610	1600	U	ug/kg	1600	790	UJ	ug/kg	790	640	U	ug/kg	640
N-Nitrosopyrrolidine	610	UJ	ug/kg	610	1600	U	ug/kg	1600	790	UJ	ug/kg	790	640	U	ug/kg	640
Benzidine	3000	UJ	ug/kg	3000	7800	U	ug/kg	7800	3900	UJ	ug/kg	3900	3200	U	ug/kg	3200
1,2,4,5-Tetrachlorobenzene	3000	UJ	ug/kg	3000	7800	U	ug/kg	7800	3900	UJ	ug/kg	3900	3200	U	ug/kg	3200
Pentachlorobenzene	3000	UJ	ug/kg	3000	7800	U	ug/kg	7800	3900	UJ	ug/kg	3900	3200	U	ug/kg	3200
1-Naphthylamine	3000	UJ	ug/kg	3000	7800	U	ug/kg	7800	3900	UJ	ug/kg	3900	3200	U	ug/kg	3200
2-Naphthylamine	3000	UJ	ug/kg	3000	7800	U	ug/kg	7800	3900	UJ	ug/kg	3900	3200	U	ug/kg	3200
2,3,4,6-Tetrachlorophenol	610	UJ	ug/kg	610	1600	U	ug/kg	1600	790	UJ	ug/kg	790	640	U	ug/kg	640
Phenacetin	610	UJ	ug/kg	610	1600	U	ug/kg	1600	790	UJ	ug/kg	790	640	U	ug/kg	640
4-Aminobiphenyl	3000	UJ	ug/kg	3000	7800	U	ug/kg	7800	3900	UJ	ug/kg	3900	3200	U	ug/kg	3200
Pentachloronitrobenzene	3000	UJ	ug/kg	3000	7800	U	ug/kg	7800	3900	UJ	ug/kg	3900	3200	U	ug/kg	3200
Pronamide	610	UJ	ug/kg	610	1600	U	ug/kg	1600	790	UJ	ug/kg	790	640	U	ug/kg	640

US Naval Station, Mayport, Florida
Analytical Results for Sediment Samples Collected at SWMU 4

Lab Sample Number:		MC040002				MB982001				MB982002				MB982003			
Site		GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator		02D03901				04D00101				04D00102				04D00202			
Collect Date:		04-OCT-96				30-SEP-96				30-SEP-96				30-SEP-96			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
p-Dimethylaminoazobenzene		610	UJ	ug/kg	610	1600	U	ug/kg	1600	790	UJ	ug/kg	790	640	U	ug/kg	640
7,12-Dimethylbenz(A)Anthracene		610	UJ	ug/kg	610	1600	U	ug/kg	1600	790	UJ	ug/kg	790	640	U	ug/kg	640
3-Methylcholanthrene		610	UJ	ug/kg	610	1600	U	ug/kg	1600	790	UJ	ug/kg	790	640	U	ug/kg	640
Pyridine		3000	UJ	ug/kg	3000	7800	U	ug/kg	7800	3900	UJ	ug/kg	3900	3200	U	ug/kg	3200
N-Nitrosomethylethylamine		610	UJ	ug/kg	610	1600	U	ug/kg	1600	790	UJ	ug/kg	790	640	U	ug/kg	640
N-Nitrosomorpholine		610	UJ	ug/kg	610	1600	U	ug/kg	1600	790	UJ	ug/kg	790	640	U	ug/kg	640
o-Toluidine		610	UJ	ug/kg	610	1600	U	ug/kg	1600	790	UJ	ug/kg	790	640	U	ug/kg	640
Hexachloropropene		3000	UJ	ug/kg	3000	7800	U	ug/kg	7800	3900	UJ	ug/kg	3900	3200	U	ug/kg	3200
p-Phenylenediamine		30000	R	ug/kg	30000	78000	UJ	ug/kg	78000	39000	UJ	ug/kg	39000	32000	UJ	ug/kg	32000
Safrole		3000	UJ	ug/kg	3000	7800	U	ug/kg	7800	3900	UJ	ug/kg	3900	3200	U	ug/kg	3200
Isosafrole		3000	UJ	ug/kg	3000	7800	U	ug/kg	7800	3900	UJ	ug/kg	3900	3200	U	ug/kg	3200
1,4-Naphthoquinone		61000	UJ	ug/kg	61000	160000	U	ug/kg	160000	79000	UJ	ug/kg	79000	64000	U	ug/kg	64000
1,3-Dinitrobenzene		610	UJ	ug/kg	610	1600	UJ	ug/kg	1600	790	UJ	ug/kg	790	640	UJ	ug/kg	640
5-Nitro-o-toluidine		610	UJ	ug/kg	610	1600	U	ug/kg	1600	790	UJ	ug/kg	790	640	U	ug/kg	640
1,3,5-Trinitrobenzene		610	UJ	ug/kg	610	1600	U	ug/kg	1600	790	UJ	ug/kg	790	640	U	ug/kg	640
4-Nitroquinoline-1-oxide		30000	UJ	ug/kg	30000	78000	U	ug/kg	78000	39000	UJ	ug/kg	39000	32000	U	ug/kg	32000
Methapyrilene		3000	UJ	ug/kg	3000	7800	U	ug/kg	7800	3900	UJ	ug/kg	3900	3200	U	ug/kg	3200
3,3-Dimethylbenzidine		610	UJ	ug/kg	610	1600	U	ug/kg	1600	790	UJ	ug/kg	790	640	U	ug/kg	640
Hexachlorophene		30000	R	ug/kg	30000	78000	UJ	ug/kg	78000	39000	UJ	ug/kg	39000	32000	UJ	ug/kg	32000
Aramite		3000	R	ug/kg	3000	7800	U	ug/kg	7800	3900	UJ	ug/kg	3900	3200	U	ug/kg	3200
2-Chlorophenol		610	UJ	ug/kg	610	1600	U	ug/kg	1600	790	UJ	ug/kg	790	640	U	ug/kg	640
3- & 4-Methylphenol (2)		610	UJ	ug/kg	610	1600	U	ug/kg	1600	790	UJ	ug/kg	790	640	U	ug/kg	640
Hexachloropropene		3000	UJ	ug/kg	3000	7800	U	ug/kg	7800	3900	UJ	ug/kg	3900	3200	U	ug/kg	3200
2-Acetylaminofluorene		610	UJ	ug/kg	610	1600	U	ug/kg	1600	790	UJ	ug/kg	790	640	U	ug/kg	640
PESTICIDES/PCBs	ug/kg																
alpha-BHC		4.9	U	ug/kg	4.9	16	U	ug/kg	16	8	U	ug/kg	8	6.4	U	ug/kg	6.4
beta-BHC		9.5	U	ug/kg	9.5	31	U	ug/kg	31	15	U	ug/kg	15	13	U	ug/kg	13
delta-BHC		4.9	U	ug/kg	4.9	16	U	ug/kg	16	8	U	ug/kg	8	6.4	U	ug/kg	6.4
gamma-BHC (Lindane)		4.9	U	ug/kg	4.9	16	U	ug/kg	16	8	U	ug/kg	8	6.4	U	ug/kg	6.4
Heptachlor		4.9	U	ug/kg	4.9	16	U	ug/kg	16	8	U	ug/kg	8	6.4	U	ug/kg	6.4
Aldrin		4.9	U	ug/kg	4.9	16	U	ug/kg	16	8	U	ug/kg	8	6.4	U	ug/kg	6.4
Heptachlor epoxide		4.9	U	ug/kg	4.9	16	U	ug/kg	16	8	U	ug/kg	8	6.4	U	ug/kg	6.4
Endosulfan I		4.9	U	ug/kg	4.9	16	U	ug/kg	16	8	U	ug/kg	8	6.4	U	ug/kg	6.4
Dieldrin		4.9	U	ug/kg	4.9	16	U	ug/kg	16	8	U	ug/kg	8	6.4	U	ug/kg	6.4
4,4-DDE		4.9	U	ug/kg	4.9	16	U	ug/kg	16	8	U	ug/kg	8	6.4	U	ug/kg	6.4
Endrin		9.5	U	ug/kg	9.5	31	U	ug/kg	31	15	U	ug/kg	15	13	U	ug/kg	13
Endosulfan II		9.5	U	ug/kg	9.5	31	U	ug/kg	31	15	U	ug/kg	15	13	U	ug/kg	13
4,4-DDD		9.5	U	ug/kg	9.5	31	U	ug/kg	31	15	U	ug/kg	15	13	U	ug/kg	13
Endosulfan sulfate		9.5	U	ug/kg	9.5	31	U	ug/kg	31	15	U	ug/kg	15	13	U	ug/kg	13
4,4-DDT		9.5	U	ug/kg	9.5	31	U	ug/kg	31	15	U	ug/kg	15	13	U	ug/kg	13
Methoxychlor		20	U	ug/kg	20	64	U	ug/kg	64	32	U	ug/kg	32	26	U	ug/kg	26
Endrin aldehyde		9.5	U	ug/kg	9.5	31	U	ug/kg	31	15	U	ug/kg	15	13	U	ug/kg	13
Endrin ketone		9.5	U	ug/kg	9.5	31	U	ug/kg	31	15	U	ug/kg	15	13	U	ug/kg	13
Chlordane		49	U	ug/kg	49	160	U	ug/kg	160	80	U	ug/kg	80	64	U	ug/kg	64
Chlorobenzilate		150	U	ug/kg	150	480	U	ug/kg	480	240	U	ug/kg	240	190	U	ug/kg	190
Diallate		290	U	ug/kg	290	950	U	ug/kg	950	480	U	ug/kg	480	380	U	ug/kg	380
Toxaphene		240	U	ug/kg	240	790	U	ug/kg	790	390	U	ug/kg	390	320	U	ug/kg	320
Isodrin		4.9	U	ug/kg	4.9	16	U	ug/kg	16	8	U	ug/kg	8	6.4	U	ug/kg	6.4
Kepone		70	UJ	ug/kg	70	380	UJ	ug/kg	380	190	UJ	ug/kg	190	150	UJ	ug/kg	150
Aroclor-1016		240	U	ug/kg	240	790	U	ug/kg	790	390	U	ug/kg	390	320	U	ug/kg	320
Aroclor-1221		490	U	ug/kg	490	1600	U	ug/kg	1600	800	U	ug/kg	800	640	U	ug/kg	640

US Naval Station, Mayport, Florida
Analytical Results for Sediment Samples Collected at SWMU 4

Lab Sample Number:		MC040002				MB982001				MB982002				MB982003			
Site		GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator		02D03901				04D00101				04D00102				04D00202			
Collect Date:		04-OCT-96				30-SEP-96				30-SEP-96				30-SEP-96			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Aroclor-1232		490	U	ug/kg	490	1600	U	ug/kg	1600	800	U	ug/kg	800	640	U	ug/kg	640
Aroclor-1242		240	U	ug/kg	240	790	U	ug/kg	790	390	U	ug/kg	390	320	U	ug/kg	320
Aroclor-1248		240	U	ug/kg	240	790	U	ug/kg	790	390	U	ug/kg	390	320	U	ug/kg	320
Aroclor-1254		120	U	ug/kg	120	400	U	ug/kg	400	200	U	ug/kg	200	160	U	ug/kg	160
Aroclor-1260		120	U	ug/kg	120	400	U	ug/kg	400	200	U	ug/kg	200	160	U	ug/kg	160
INORGANICS (SOIL)	mg/kg																
Antimony		.63	U	mg/kg	.63	2.1	U	mg/kg	2.1	.86	U	mg/kg	.86	.66	U	mg/kg	.66
Arsenic		2.8	U	mg/kg	2.8	9.1	U	mg/kg	9.1	3.8	U	mg/kg	3.8	2.9	U	mg/kg	2.9
Barium		6.1	J	mg/kg	.065	15.9	J	mg/kg	.21	5.9	J	mg/kg	.089	7.6	J	mg/kg	.068
Beryllium		.16	J	mg/kg	.02	.21	J	mg/kg	.068	.09	J	mg/kg	.028	.22	J	mg/kg	.021
Cadmium		.61	U	mg/kg	.61	2	U	mg/kg	2	.84	U	mg/kg	.84	.64	U	mg/kg	.64
Chromium		6.7	J	mg/kg	.41	9.8	J	mg/kg	1.3	4.2	J	mg/kg	.56	8.4	J	mg/kg	.43
Cobalt		.63	J	mg/kg	.059	1.7	J	mg/kg	.2	.48	J	mg/kg	.081	1	J	mg/kg	.062
Copper		1.5	J	mg/kg	.31	11	J	mg/kg	1	2	J	mg/kg	.43	2.1	J	mg/kg	.33
Cyanide		.16	UJ	mg/kg	.16	.54	UJ	mg/kg	.54	.22	UJ	mg/kg	.22	.17	UJ	mg/kg	.17
Lead		2.9	U	mg/kg	2.9	9.6	U	mg/kg	9.6	4	U	mg/kg	4	3.7		mg/kg	3
Mercury		.04	J	mg/kg	.012	.25	J	mg/kg	.04	.06	J	mg/kg	.016	.05	J	mg/kg	.012
Nickel		.4	J	mg/kg	.23	4.4	J	mg/kg	.76	.31	U	mg/kg	.31	1.9	J	mg/kg	.24
Selenium		5.5	U	mg/kg	5.5	18	U	mg/kg	18	7.4	U	mg/kg	7.4	5.7	U	mg/kg	5.7
Silver		.41	U	mg/kg	.41	1.3	U	mg/kg	1.3	.56	U	mg/kg	.56	.43	U	mg/kg	.43
Thallium		.36	UJ	mg/kg	.36	1.2	UJ	mg/kg	1.2	.49	UJ	mg/kg	.49	.38	UJ	mg/kg	.38
Tin		4.2	J	mg/kg	1.3	11.9	J	mg/kg	4.2	4.2	J	mg/kg	1.7	4.6	J	mg/kg	1.3
Vanadium		6.3	J	mg/kg	.11	21.9	J	mg/kg	.36	5.7	J	mg/kg	.15	10.5		mg/kg	.11
Zinc		10.5		mg/kg	.17	54		mg/kg	.57	15.7		mg/kg	.24	16.8		mg/kg	.18
Total organic carbon		-		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.

US Naval Station, Mayport, Florida
IM Performance Specifications for SWMU 4 Data - Sediment Data

Lab Sample Number:		MB982001			MB982002		
Site		GROUPI&II			GROUPI&II		
Locator		04D00101			04D00102		
Collect Date:		30-SEP-96			30-SEP-96		
		VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
TCLP METALS	ug/l						
Arsenic-TCLP		26.4	ug/l	14.9	15.4	ug/l	14.9
Barium-TCLP		405	ug/l	.35	424	ug/l	.35
Cadmium-TCLP		3.3 U	ug/l	3.3	3.3 U	ug/l	3.3
Chromium-TCLP		2.2 U	ug/l	2.2	2.2 U	ug/l	2.2
Lead-TCLP		15.7 U	ug/l	15.7	15.7 U	ug/l	15.7
Mercury-TCLP		.01 U	ug/l	.01	.01 U	ug/l	.01
Selenium-TCLP		29.4 U	ug/l	29.4	29.4 U	ug/l	29.4
Silver-TCLP		2.2 U	ug/l	2.2	2.2 U	ug/l	2.2

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.

US Naval Station, Mayport, Florida
Analytical Results for Surface Water Samples Collected at SWMU 4

Lab Sample Number:		M7628001			M7629001			M7636008			M7638008		
Site		GROUPI&II			GROUPI&II			GROUPI&II			GROUPI&II		
Locator		02SW017			02SW017			02SW020			02SW020		
Collect Date:		29-JUL-94			29-JUL-94			31-JUL-94			31-JUL-94		
		VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
VOLATILES	ug/l												
Chloromethane		10 U	ug/l	10	-	ug/l		10 U	ug/l	10	-	ug/l	
Bromomethane		10 U	ug/l	10	-	ug/l		10 U	ug/l	10	-	ug/l	
Vinyl chloride		10 U	ug/l	10	-	ug/l		10 U	ug/l	10	-	ug/l	
Chloroethane		10 U	ug/l	10	-	ug/l		10 U	ug/l	10	-	ug/l	
Methylene chloride		1 J	ug/l		-	ug/l		5 U	ug/l	5	-	ug/l	
Acetone		18 U	ug/l	18	-	ug/l		17 U	ug/l	17	-	ug/l	
Carbon disulfide		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
1,1-Dichloroethane		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
1,1-Dichloroethene		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
1,2-Dichloroethene (total)		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
Chloroform		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
1,2-Dichloroethane		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
2-Butanone		10 U	ug/l	10	-	ug/l		10 U	ug/l	10	-	ug/l	
1,1,1-Trichloroethane		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
Carbon tetrachloride		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
Bromodichloromethane		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
1,2-Dichloropropane		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
cis-1,3-Dichloropropene		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
Trichloroethene		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
Dibromochloromethane		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
1,1,2-Trichloroethane		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
Benzene		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
trans-1,3-Dichloropropene		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
Bromoform		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
4-Methyl-2-pentanone		10 U	ug/l	10	-	ug/l		10 U	ug/l	10	-	ug/l	
2-Hexanone		10 U	ug/l	10	-	ug/l		10 U	ug/l	10	-	ug/l	
Tetrachloroethene		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
1,1,2,2-Tetrachloroethane		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
Toluene		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
Chlorobenzene		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
Ethylbenzene		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
Styrene		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
Xylenes (total)		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
Dichlorodifluoromethane		10 U	ug/l	10	-	ug/l		10 U	ug/l	10	-	ug/l	
Trichlorofluoromethane		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
1,3-Dichlorobenzene		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
Acrolein		100 U	ug/l	100	-	ug/l		100 U	ug/l	100	-	ug/l	
Iodomethane		10 U	ug/l	10	-	ug/l		10 U	ug/l	10	-	ug/l	
1,4-Dichlorobenzene		10 U	ug/l	10	-	ug/l		10 U	ug/l	10	-	ug/l	
Acrylonitrile		100 U	ug/l	100	-	ug/l		100 U	ug/l	100	-	ug/l	
Dibromomethane		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
1,2-Dichlorobenzene		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
2-Chloroethylvinyl ether		10 U	ug/l	10	-	ug/l		10 U	ug/l	10	-	ug/l	
Ethyl methacrylate		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
1,2,3-Trichloropropane		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
trans-1,4-Dichloro-2-butene		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
Isobutyl alcohol		200 U	ug/l	200	-	ug/l		200 U	ug/l	200	-	ug/l	
1,1,1,2-Tetrachloroethane		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
1,2-Dibromo-3-chloropropane		10 U	ug/l	10	-	ug/l		10 U	ug/l	10	-	ug/l	
Ethylene dibromide		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	

US Naval Station, Mayport, Florida
Analytical Results for Surface Water Samples Collected at SWMU 4

Lab Sample Number:		M7628001				M7629001				M7636008				M7638008		
Site		GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II		
Locator		02SW017				02SW017				02SW020				02SW020		
Collect Date:		29-JUL-94				29-JUL-94				31-JUL-94				31-JUL-94		
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
1,4-Dioxane		200	R	ug/l		-		ug/l		200	R	ug/l		-		ug/l	
3-Chloropropene		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
Acetonitrile		100	U	ug/l	100	-		ug/l		100	U	ug/l	100	-		ug/l	
Chloroprene		200	U	ug/l	200	-		ug/l		200	U	ug/l	200	-		ug/l	
Methacrylonitrile		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
Methyl methacrylate		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Pentachloroethane		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Propionitrile		100	U	ug/l	100	-		ug/l		100	U	ug/l	100	-		ug/l	
Vinyl acetate		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
SEMIVOLATILES	ug/l																
N-Nitrosodimethylamine		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Phenol		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Aniline		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
bis(2-Chloroethyl) ether		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Benzyl Alcohol		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
2-Methylphenol		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
bis(2-Chloroisopropyl) ether		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
N-Nitroso-di-n-propylamine		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Hexachloroethane		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Nitrobenzene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Isophorone		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
2-Nitrophenol		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
2,4-Dimethylphenol		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Benzoic acid		50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
bis(2-Chloroethoxy) methane		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
2,4-Dichlorophenol		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
1,2,4-Trichlorobenzene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Naphthalene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
4-Chloroaniline		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Hexachlorobutadiene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
4-Chloro-3-methylphenol		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
2-Methylnaphthalene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Hexachlorocyclopentadiene		10	UJ	ug/l		-		ug/l		10	U	ug/l	10	-		ug/l	
2,4,6-Trichlorophenol		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Dimethylphthalate		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
2,4,5-Trichlorophenol		50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
2-Chloronaphthalene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
2-Nitroaniline		50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
Acenaphthylene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
2,6-Dinitrotoluene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
3-Nitroaniline		50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
Acenaphthene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
2,4-Dinitrophenol		50	UJ	ug/l		-		ug/l		50	U	ug/l	50	-		ug/l	
4-Nitrophenol		50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
Dibenzofuran		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
2,4-Dinitrotoluene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Diethylphthalate		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
4-Chlorophenyl-phenylether		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Fluorene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
4-Nitroaniline		50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
4,6-Dinitro-2-methylphenol		50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	

US Naval Station, Mayport, Florida
Analytical Results for Surface Water Samples Collected at SWMU 4

Lab Sample Number:	M7628001				M7629001				M7636008				M7638008			
Site	GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator	02SW017				02SW017				02SW020				02SW020			
Collect Date:	29-JUL-94				29-JUL-94				31-JUL-94				31-JUL-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
N-Nitrosodiphenylamine	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
1,2-Diphenylhydrazine	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
4-Bromophenyl-phenylether	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Hexachlorobenzene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Pentachlorophenol	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
Phenanthrene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Anthracene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Di-n-Butylphthalate	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Fluoranthene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Pyrene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Butylbenzylphthalate	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
3,3-Dichlorobenzidine	20	U	ug/l	20	-		ug/l		20	U	ug/l	20	-		ug/l	
Benzo (a) anthracene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Chrysene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
bis(2-Ethylhexyl) phthalate	10	U	ug/l	10	-		ug/l		4	J	ug/l		-		ug/l	
Di-n-octylphthalate	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Benzo (b) fluoranthene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Benzo (k) fluoranthene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Benzo (a) pyrene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Indeno (1,2,3-cd) pyrene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Dibenzo (a,h) anthracene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Benzo (g,h,i) perylene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
2-Picoline	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
Methyl methanesulfonate	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Ethyl methanesulfonate	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Acetophenone	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
N-Nitrosopiperidine	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Phenyl-tert-butylamine	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
2,6-Dichlorophenol	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
N-Nitroso-di-n-butylamine	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
N-Nitrosodiethylamine	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
N-Nitrosopyrrolidine	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Benzidine	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
1,2,4,5-Tetrachlorobenzene	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
Pentachlorobenzene	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
1-Naphthylamine	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
2-Naphthylamine	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
2,3,4,6-Tetrachlorophenol	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Phenacetin	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
4-Aminobiphenyl	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
Pentachloronitrobenzene	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
Pronamide	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
p-Dimethylaminoazobenzene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
7,12-Dimethylbenz(A)Anthracene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
3-Methylcholanthrene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Pyridine	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
N-Nitrosomethylethylamine	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
N-Nitrosomorpholine	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
o-Toluidine	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Hexachloropropene	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
p-Phenylenediamine	500	UJ	ug/l		-		ug/l		500	U	ug/l	500	-		ug/l	
Safrole	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	

US Naval Station, Mayport, Florida
Analytical Results for Surface Water Samples Collected at SWMU 4

Lab Sample Number:		M7628001				M7629001				M7636008				M7638008			
Site		GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator		02SW017				02SW017				02SW020				02SW020			
Collect Date:		29-JUL-94				29-JUL-94				31-JUL-94				31-JUL-94			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Isosafrole		50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
1,4-Naphthoquinone		1000	U	ug/l	1000	-		ug/l		1000	U	ug/l	1000	-		ug/l	
1,3-Dinitrobenzene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
5-Nitro-o-toluidine		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
1,3,5-Trinitrobenzene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
4-Nitroquinoline-1-oxide		500	R	ug/l		-		ug/l		500	R	ug/l		-		ug/l	
Methapyrilene		50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
3,3-Dimethylbenzidine		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Hexachlorophene		500	R	ug/l		-		ug/l		500	R	ug/l		-		ug/l	
Aramite		50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
2-Chlorophenol		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
3- & 4-Methylphenol (2)		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Hexachloropropene		50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
2-Acetylaminofluorene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
PESTICIDES/PCBs	ug/l																
alpha-BHC		.02	U	ug/l	.02	-		ug/l		.02	U	ug/l	.02	-		ug/l	
beta-BHC		.04	U	ug/l	.04	-		ug/l		.04	U	ug/l	.04	-		ug/l	
delta-BHC		.02	U	ug/l	.02	-		ug/l		.02	U	ug/l	.02	-		ug/l	
gamma-BHC (Lindane)		.02	U	ug/l	.02	-		ug/l		.02	U	ug/l	.02	-		ug/l	
Heptachlor		.02	U	ug/l	.02	-		ug/l		.02	U	ug/l	.02	-		ug/l	
Aldrin		.02	U	ug/l	.02	-		ug/l		.02	U	ug/l	.02	-		ug/l	
Heptachlor epoxide		.02	U	ug/l	.02	-		ug/l		.02	U	ug/l	.02	-		ug/l	
Endosulfan I		.02	U	ug/l	.02	-		ug/l		.02	U	ug/l	.02	-		ug/l	
Dieldrin		.02	U	ug/l	.02	-		ug/l		.02	U	ug/l	.02	-		ug/l	
4,4-DDE		.02	U	ug/l	.02	-		ug/l		.02	U	ug/l	.02	-		ug/l	
Endrin		.04	U	ug/l	.04	-		ug/l		.04	U	ug/l	.04	-		ug/l	
Endosulfan II		.04	U	ug/l	.04	-		ug/l		.04	U	ug/l	.04	-		ug/l	
4,4-DDD		.04	U	ug/l	.04	-		ug/l		.04	U	ug/l	.04	-		ug/l	
Endosulfan sulfate		.04	U	ug/l	.04	-		ug/l		.04	U	ug/l	.04	-		ug/l	
4,4-DDT		.04	U	ug/l	.04	-		ug/l		.04	U	ug/l	.04	-		ug/l	
Methoxychlor		.08	U	ug/l	.08	-		ug/l		.08	U	ug/l	.08	-		ug/l	
Endrin aldehyde		.04	U	ug/l	.04	-		ug/l		.04	U	ug/l	.04	-		ug/l	
Endrin ketone		.04	U	ug/l	.04	-		ug/l		.04	U	ug/l	.04	-		ug/l	
Chlordane		.2	U	ug/l	.2	-		ug/l		.2	U	ug/l	.2	-		ug/l	
Chlorobenzilate		.5	U	ug/l	.5	-		ug/l		.5	U	ug/l	.5	-		ug/l	
Diallate		1	U	ug/l	1	-		ug/l		1	U	ug/l	1	-		ug/l	
Toxaphene		1	U	ug/l	1	-		ug/l		1	U	ug/l	1	-		ug/l	
Isodrin		.02	U	ug/l	.02	-		ug/l		.02	U	ug/l	.02	-		ug/l	
Kepone		1	U	ug/l	1	-		ug/l		1	U	ug/l	1	-		ug/l	
Aroclor-1016		1	U	ug/l	1	-		ug/l		1	U	ug/l	1	-		ug/l	
Aroclor-1221		2	U	ug/l	2	-		ug/l		2	U	ug/l	2	-		ug/l	
Aroclor-1232		2	U	ug/l	2	-		ug/l		2	U	ug/l	2	-		ug/l	
Aroclor-1242		1	U	ug/l	1	-		ug/l		1	U	ug/l	1	-		ug/l	
Aroclor-1248		1	U	ug/l	1	-		ug/l		1	U	ug/l	1	-		ug/l	
Aroclor-1254		.5	U	ug/l	.5	-		ug/l		.5	U	ug/l	.5	-		ug/l	
Aroclor-1260		.5	U	ug/l	.5	-		ug/l		.5	U	ug/l	.5	-		ug/l	
INORGANICS (WATER)	ug/l																
Antimony		22.3	UJ	ug/l		-		ug/l		22.3	UJ	ug/l		-		ug/l	
Arsenic		14.2	J	ug/l		-		ug/l		15.2	J	ug/l		-		ug/l	
Barium		30.6	J	ug/l		-		ug/l		16.6	J	ug/l		-		ug/l	

US Naval Station, Mayport, Florida
Analytical Results for Surface Water Samples Collected at SWMU 4

Lab Sample Number:		M7628001				M7629001				M7636008				M7638008		
Site		GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II		
Locator		02SW017				02SW017				02SW020				02SW020		
Collect Date:		29-JUL-94				29-JUL-94				31-JUL-94				31-JUL-94		
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
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		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Chromium		2	U	ug/l	2	-		ug/l		2.8	J	ug/l		-		ug/l	
Cobalt		2.7	U	ug/l	2.7	-		ug/l		2.7	U	ug/l	2.7	-		ug/l	
Copper		8.3	J	ug/l		-		ug/l		7.6	U	ug/l	7.6	-		ug/l	
Cyanide		3.6	U	ug/l	3.6	-		ug/l		2.7	U	ug/l	2.7	-		ug/l	
Iron		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Lead		20.5	UJ	ug/l		-		ug/l		20.5	UJ	ug/l		-		ug/l	
Magnesium		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Manganese		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Mercury		.12	J	ug/l		-		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		17	J	ug/l		-		ug/l		16.9	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		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Thallium		2	J	ug/l		-		ug/l		13	UJ	ug/l		-		ug/l	
Tin		9.4	J	ug/l		-		ug/l		9.4	U	ug/l	9.4	-		ug/l	
Vanadium		3.9	J	ug/l		-		ug/l		5.5	J	ug/l		-		ug/l	
Zinc		64		ug/l		-		ug/l		34.4		ug/l		-		ug/l	
GROUND WATER QUALITY	mg/l																
Alkalinity as CaCO3		-		mg/l		2	U	mg/l	2	-		mg/l		217		mg/l	
Ammonia-N		-		mg/l		1.3		mg/l		-		mg/l		.2		mg/l	
Chloride		-		mg/l		11900		mg/l		-		mg/l		14600		mg/l	
Hardness as CaCO3		-		mg/l		2350		mg/l		-		mg/l		3330		mg/l	
Nitrate/Nitrite-N		-		mg/l		-		mg/l		-		mg/l		-		mg/l	
Oil and Grease		-		mg/l		-		mg/l		-		mg/l		-		mg/l	
Phosphorous-P, Total		-		mg/l		2.44		mg/l		-		mg/l		28.6		mg/l	
Sulfate		-		mg/l		3350		mg/l		-		mg/l		803		mg/l	
Sulfide		-		mg/l		1		mg/l		-		mg/l		.4		mg/l	
Total Dissolved Solids		-		mg/l		-		mg/l		-		mg/l		-		mg/l	
Total Kjeldahl Nitrogen		-		mg/l		10		mg/l		-		mg/l		8.3		mg/l	
Total Organic Carbon		-		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.

US Naval Station, Mayport, Florida
Analytical Results for Surface Water Samples Collected at SWMU 4

Lab Sample Number:		M7636008			M7638008			M7636009			M7636004		
Site		GROUPI&II			GROUPI&II			GROUPI&II			GROUPI&II		
Locator		02SW020			02SW020			02SW020D			02SW023		
Collect Date:		31-JUL-94			31-JUL-94			31-JUL-94			30-JUL-94		
		VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
VOLATILES	ug/l												
Chloromethane		10 U	ug/l	10	-	ug/l		10 U	ug/l	10	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		17 U	ug/l	17	-	ug/l		16 U	ug/l	16	10 U	ug/l	10
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 U	ug/l	5	-	ug/l		5 U	ug/l	5	5 U	ug/l	5
2-Butanone		10 U	ug/l	10	-	ug/l		10 U	ug/l	10	10 U	ug/l	10
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
Dichlorodifluoromethane		10 U	ug/l	10	-	ug/l		10 UJ	ug/l		10 U	ug/l	10
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	-	ug/l		5 U	ug/l	5	5 U	ug/l	5
Acrolein		100 U	ug/l	100	-	ug/l		100 U	ug/l	100	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		10 U	ug/l	10	-	ug/l		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

US Naval Station, Mayport, Florida
Analytical Results for Surface Water Samples Collected at SWMU 4

Lab Sample Number:		M7636008				M7638008				M7636009				M7636004			
Site		GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator		02SW020				02SW020				02SW020D				02SW023			
Collect Date:		31-JUL-94				31-JUL-94				31-JUL-94				30-JUL-94			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
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	-		ug/l		5	U	ug/l	5	5	U	ug/l	5
2-Chloroethylvinyl ether		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	U	ug/l	5	-		ug/l		5	U	ug/l	5	5	U	ug/l	5
Isobutyl alcohol		200	U	ug/l	200	-		ug/l		200	U	ug/l	200	200	U	ug/l	200
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	U	ug/l	10
Ethylene dibromide		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	5	U	ug/l	5
1,4-Dioxane		200	R	ug/l		-		ug/l		200	R	ug/l		200	R	ug/l	
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	U	ug/l	100
Chloroprene		200	U	ug/l	200	-		ug/l		200	U	ug/l	200	200	U	ug/l	200
Methacrylonitrile		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	5	U	ug/l	5
Methyl methacrylate		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	U	ug/l	10
Pentachloroethane		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	U	ug/l	10
Propionitrile		100	U	ug/l	100	-		ug/l		100	U	ug/l	100	100	U	ug/l	100
Vinyl acetate		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	U	ug/l	10
SEMIVOLATILES	ug/l																
N-Nitrosodimethylamine		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	UJ	ug/l	
Phenol		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	U	ug/l	10
Aniline		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	U	ug/l	10
bis(2-Chloroethyl) ether		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	U	ug/l	10
Benzyl Alcohol		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	U	ug/l	10
2-Methylphenol		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	U	ug/l	10
bis(2-Chloroisopropyl) ether		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	U	ug/l	10
N-Nitroso-di-n-propylamine		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	U	ug/l	10
Hexachloroethane		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	U	ug/l	10
Nitrobenzene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	U	ug/l	10
Isophorone		10	U	ug/l	10	-		ug/l		3	J	ug/l		10	U	ug/l	10
2-Nitrophenol		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	U	ug/l	10
2,4-Dimethylphenol		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	U	ug/l	10
Benzoic acid		50	U	ug/l	50	-		ug/l		50	U	ug/l	50	50	U	ug/l	50
bis(2-Chloroethoxy) methane		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	U	ug/l	10
2,4-Dichlorophenol		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	U	ug/l	10
1,2,4-Trichlorobenzene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	U	ug/l	10
Naphthalene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	U	ug/l	10
4-Chloroaniline		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	U	ug/l	10
Hexachlorobutadiene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	U	ug/l	10
4-Chloro-3-methylphenol		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	U	ug/l	10
2-Methylnaphthalene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	U	ug/l	10
Hexachlorocyclopentadiene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	U	ug/l	10
2,4,6-Trichlorophenol		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	U	ug/l	10
Dimethylphthalate		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	U	ug/l	10
2,4,5-Trichlorophenol		50	U	ug/l	50	-		ug/l		50	U	ug/l	50	50	U	ug/l	50
2-Chloronaphthalene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	U	ug/l	10
2-Nitroaniline		50	U	ug/l	50	-		ug/l		50	U	ug/l	50	50	U	ug/l	50
Acenaphthylene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	U	ug/l	10
2,6-Dinitrotoluene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	U	ug/l	10
3-Nitroaniline		50	U	ug/l	50	-		ug/l		50	U	ug/l	50	50	U	ug/l	50

US Naval Station, Mayport, Florida
Analytical Results for Surface Water Samples Collected at SWMU 4

Lab Sample Number:	M7636008				M7638008				M7636009				M7636004			
Site	GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator	02SW020				02SW020				02SW020D				02SW023			
Collect Date:	31-JUL-94				31-JUL-94				31-JUL-94				30-JUL-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Acenaphthene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	U	ug/l	10
2,4-Dinitrophenol	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	50	U	ug/l	50
4-Nitrophenol	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	50	U	ug/l	50
Dibenzofuran	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	U	ug/l	10
2,4-Dinitrotoluene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	U	ug/l	10
Diethylphthalate	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	U	ug/l	10
4-Chlorophenyl-phenylether	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	U	ug/l	10
Fluorene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	U	ug/l	10
4-Nitroaniline	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	50	U	ug/l	50
4,6-Dinitro-2-methylphenol	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	50	U	ug/l	50
N-Nitrosodiphenylamine	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	U	ug/l	10
1,2-Diphenylhydrazine	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	U	ug/l	10
4-Bromophenyl-phenylether	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	U	ug/l	10
Hexachlorobenzene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	U	ug/l	10
Pentachlorophenol	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	50	U	ug/l	50
Phenanthrene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	U	ug/l	10
Anthracene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	U	ug/l	10
Di-n-Butylphthalate	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	U	ug/l	10
Fluoranthene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	U	ug/l	10
Pyrene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	U	ug/l	10
Butylbenzylphthalate	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	U	ug/l	10
3,3-Dichlorobenzidine	20	U	ug/l	20	-		ug/l		20	U	ug/l	20	20	U	ug/l	20
Benzo (a) anthracene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	U	ug/l	10
Chrysene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	U	ug/l	10
bis(2-Ethylhexyl) phthalate	4	J	ug/l		-		ug/l		3	J	ug/l		10	U	ug/l	10
Di-n-octylphthalate	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	U	ug/l	10
Benzo (b) fluoranthene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	U	ug/l	10
Benzo (k) fluoranthene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	U	ug/l	10
Benzo (a) pyrene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	U	ug/l	10
Indeno (1,2,3-cd) pyrene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	U	ug/l	10
Dibenzo (a,h) anthracene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	U	ug/l	10
Benzo (g,h,i) perylene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	U	ug/l	10
2-Picoline	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	50	U	ug/l	50
Methyl methanesulfonate	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	U	ug/l	10
Ethyl methanesulfonate	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	U	ug/l	10
Acetophenone	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	U	ug/l	10
N-Nitrosopiperidine	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	U	ug/l	10
Phenyl-tert-butylamine	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	50	UJ	ug/l	
2,6-Dichlorophenol	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	U	ug/l	10
N-Nitroso-di-n-butylamine	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	U	ug/l	10
N-Nitrosodiethylamine	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	U	ug/l	10
N-Nitrosopyrrolidine	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	U	ug/l	10
Benzidine	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	50	U	ug/l	50
1,2,4,5-Tetrachlorobenzene	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	50	U	ug/l	50
Pentachlorobenzene	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	50	U	ug/l	50
1-Naphthylamine	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	50	UJ	ug/l	
2-Naphthylamine	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	50	UJ	ug/l	
2,3,4,6-Tetrachlorophenol	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	U	ug/l	10
Phenacetin	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	U	ug/l	10
4-Aminobiphenyl	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	50	UJ	ug/l	
Pentachloronitrobenzene	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	50	U	ug/l	50
Pronamide	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	U	ug/l	10

US Naval Station, Mayport, Florida
Analytical Results for Surface Water Samples Collected at SWMU 4

Lab Sample Number:		M7636008				M7638008				M7636009				M7636004			
Site		GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator		02SW020				02SW020				02SW020D				02SW023			
Collect Date:		31-JUL-94				31-JUL-94				31-JUL-94				30-JUL-94			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
p-Dimethylaminoazobenzene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	U	ug/l	10
7,12-Dimethylbenz(A)Anthracene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	U	ug/l	10
3-Methylcholanthrene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	U	ug/l	10
Pyridine		50	U	ug/l	50	-		ug/l		50	U	ug/l	50	50	U	ug/l	50
N-Nitrosomethylethylamine		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	U	ug/l	10
N-Nitrosomorpholine		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	U	ug/l	10
o-Toluidine		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	U	ug/l	10
Hexachloropropene		50	U	ug/l	50	-		ug/l		50	U	ug/l	50	50	UJ	ug/l	
p-Phenylenediamine		500	U	ug/l	500	-		ug/l		500	U	ug/l	500	500	UJ	ug/l	
Safrole		50	U	ug/l	50	-		ug/l		50	U	ug/l	50	50	U	ug/l	50
Isosafrole		50	U	ug/l	50	-		ug/l		50	U	ug/l	50	50	U	ug/l	50
1,4-Naphthoquinone		1000	U	ug/l	1000	-		ug/l		1000	U	ug/l	1000	1000	U	ug/l	1000
1,3-Dinitrobenzene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	U	ug/l	10
5-Nitro-o-toluidine		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	U	ug/l	10
1,3,5-Trinitrobenzene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	UJ	ug/l	
4-Nitroquinoline-1-oxide		500	R	ug/l		-		ug/l		500	R	ug/l		500	R	ug/l	
Methapyrilene		50	U	ug/l	50	-		ug/l		50	U	ug/l	50	50	U	ug/l	50
3,3-Dimethylbenzidine		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	UJ	ug/l	
Hexachlorophene		500	R	ug/l		-		ug/l		500	R	ug/l		500	R	ug/l	
Aramite		50	U	ug/l	50	-		ug/l		50	U	ug/l	50	50	UJ	ug/l	
2-Chlorophenol		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	U	ug/l	10
3- & 4-Methylphenol (2)		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	U	ug/l	10
Hexachloropropene		50	U	ug/l	50	-		ug/l		50	U	ug/l	50	50	UJ	ug/l	
2-Acetylaminofluorene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	U	ug/l	10
PESTICIDES/PCBs	ug/l																
alpha-BHC		.02	U	ug/l	.02	-		ug/l		.02	U	ug/l	.02	.02	U	ug/l	.02
beta-BHC		.04	U	ug/l	.04	-		ug/l		.04	U	ug/l	.04	.04	U	ug/l	.04
delta-BHC		.02	U	ug/l	.02	-		ug/l		.02	U	ug/l	.02	.02	U	ug/l	.02
gamma-BHC (Lindane)		.02	U	ug/l	.02	-		ug/l		.02	U	ug/l	.02	.02	U	ug/l	.02
Heptachlor		.02	U	ug/l	.02	-		ug/l		.02	U	ug/l	.02	.02	U	ug/l	.02
Aldrin		.02	U	ug/l	.02	-		ug/l		.02	U	ug/l	.02	.02	U	ug/l	.02
Heptachlor epoxide		.02	U	ug/l	.02	-		ug/l		.02	U	ug/l	.02	.02	U	ug/l	.02
Endosulfan I		.02	U	ug/l	.02	-		ug/l		.02	U	ug/l	.02	.02	U	ug/l	.02
Dieldrin		.02	U	ug/l	.02	-		ug/l		.02	U	ug/l	.02	.02	U	ug/l	.02
4,4-DDE		.02	U	ug/l	.02	-		ug/l		.02	U	ug/l	.02	.02	U	ug/l	.02
Endrin		.04	U	ug/l	.04	-		ug/l		.04	U	ug/l	.04	.04	U	ug/l	.04
Endosulfan II		.04	U	ug/l	.04	-		ug/l		.04	U	ug/l	.04	.04	U	ug/l	.04
4,4-DDD		.04	U	ug/l	.04	-		ug/l		.04	U	ug/l	.04	.04	U	ug/l	.04
Endosulfan sulfate		.04	U	ug/l	.04	-		ug/l		.04	U	ug/l	.04	.04	U	ug/l	.04
4,4-DDT		.04	U	ug/l	.04	-		ug/l		.04	U	ug/l	.04	.04	U	ug/l	.04
Methoxychlor		.08	U	ug/l	.08	-		ug/l		.08	U	ug/l	.08	.08	U	ug/l	.08
Endrin aldehyde		.04	U	ug/l	.04	-		ug/l		.04	U	ug/l	.04	.04	U	ug/l	.04
Endrin ketone		.04	U	ug/l	.04	-		ug/l		.04	U	ug/l	.04	.04	U	ug/l	.04
Chlordane		.2	U	ug/l	.2	-		ug/l		.2	U	ug/l	.2	.2	U	ug/l	.2
Chlorobenzilate		.5	U	ug/l	.5	-		ug/l		.5	U	ug/l	.5	.5	U	ug/l	.5
Diallate		1	U	ug/l	1	-		ug/l		1	U	ug/l	1	1	U	ug/l	1
Toxaphene		1	U	ug/l	1	-		ug/l		1	U	ug/l	1	1	U	ug/l	1
Isodrin		.02	U	ug/l	.02	-		ug/l		.02	U	ug/l	.02	.02	U	ug/l	.02
Kepone		1	U	ug/l	1	-		ug/l		1	U	ug/l	1	1	U	ug/l	1
Aroclor-1016		1	U	ug/l	1	-		ug/l		1	U	ug/l	1	1	U	ug/l	1
Aroclor-1221		2	U	ug/l	2	-		ug/l		2	U	ug/l	2	2	U	ug/l	2

US Naval Station, Mayport, Florida
Analytical Results for Surface Water Samples Collected at SWMU 4

Lab Sample Number:		M7636008				M7638008				M7636009				M7636004			
Site		GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator		02SW020				02SW020				02SW020D				02SW023			
Collect Date:		31-JUL-94				31-JUL-94				31-JUL-94				30-JUL-94			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Aroclor-1232		2	U	ug/l	2	-		ug/l		2	U	ug/l	2	2	U	ug/l	2
Aroclor-1242		1	U	ug/l	1	-		ug/l		1	U	ug/l	1	1	U	ug/l	1
Aroclor-1248		1	U	ug/l	1	-		ug/l		1	U	ug/l	1	1	U	ug/l	1
Aroclor-1254		.5	U	ug/l	.5	-		ug/l		.5	U	ug/l	.5	.5	U	ug/l	.5
Aroclor-1260		.5	U	ug/l	.5	-		ug/l		.5	U	ug/l	.5	.5	U	ug/l	.5
INORGANICS (WATER)	ug/l																
Antimony		22.3	UJ	ug/l		-		ug/l		22.3	UJ	ug/l		22.3	UJ	ug/l	
Arsenic		15.2	J	ug/l		-		ug/l		14.1		ug/l		29.1		ug/l	
Barium		16.6	J	ug/l		-		ug/l		18.7	J	ug/l		27.4	J	ug/l	
Beryllium		.18	U	ug/l	.18	-		ug/l		.18	U	ug/l	.18	.24	J	ug/l	
Cadmium		3	U	ug/l	3	-		ug/l		3	U	ug/l	3	3	U	ug/l	3
Calcium		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Chromium		2.8	J	ug/l		-		ug/l		2	U	ug/l	2	4.2	J	ug/l	
Cobalt		2.7	U	ug/l	2.7	-		ug/l		2.7	U	ug/l	2.7	3.1	J	ug/l	
Copper		7.6	U	ug/l	7.6	-		ug/l		8.9	U	ug/l	8.9	17.6	U	ug/l	17.6
Cyanide		2.7	U	ug/l	2.7	-		ug/l		2.2	U	ug/l	2.2	8.1	U	ug/l	8.1
Iron		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Lead		20.5	UJ	ug/l		-		ug/l		20.5	UJ	ug/l		23.8	J	ug/l	
Magnesium		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Manganese		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Mercury		.08	U	ug/l	.08	-		ug/l		.08	U	ug/l	.08	.53		ug/l	
Nickel		7.3	U	ug/l	7.3	-		ug/l		7.3	U	ug/l	7.3	7.4	J	ug/l	
Selenium		16.9	J	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	2.1	U	ug/l	2.1
Sodium		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Thallium		13	UJ	ug/l		-		ug/l		13	UJ	ug/l		13	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		5.5	J	ug/l		-		ug/l		5.2	J	ug/l		11	J	ug/l	
Zinc		34.4		ug/l		-		ug/l		19	J	ug/l		46.9		ug/l	
GROUND WATER QUALITY	mg/l																
Alkalinity as CaCO3		-		mg/l		217		mg/l		-		mg/l		-		mg/l	
Ammonia-N		-		mg/l		.2		mg/l		-		mg/l		-		mg/l	
Chloride		-		mg/l		14600		mg/l		-		mg/l		-		mg/l	
Hardness as CaCO3		-		mg/l		-		mg/l		-		mg/l		-		mg/l	
Nitrate/Nitrite-N		-		mg/l		-		mg/l		-		mg/l		-		mg/l	
Oil and Grease		-		mg/l		-		mg/l		-		mg/l		-		mg/l	
Phosphorous-P, Total		-		mg/l		28.6		mg/l		-		mg/l		-		mg/l	
Sulfate		-		mg/l		803		mg/l		-		mg/l		-		mg/l	
Sulfide		-		mg/l		.4		mg/l		-		mg/l		-		mg/l	
Total Dissolved Solids		-		mg/l		-		mg/l		-		mg/l		-		mg/l	
Total Kjeldahl Nitrogen		-		mg/l		8.3		mg/l		-		mg/l		-		mg/l	
Total Organic Carbon		-		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.

US Naval Station, Mayport, Florida
Analytical Results for Surface Water Samples Collected at SWMU 4

Lab Sample Number:		M7638004			M7636002			M7638002			M7636010		
Site		GROUPI&II			GROUPI&II			GROUPI&II			GROUPI&II		
Locator		02SW023			02SW026			02SW026			02SW028		
Collect Date:		30-JUL-94			30-JUL-94			30-JUL-94			31-JUL-94		
		VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
VOLATILES	ug/l												
Chloromethane		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Bromomethane		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Vinyl chloride		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Chloroethane		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Methylene chloride		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Acetone		-	ug/l		12 U	ug/l	12	-	ug/l		10 U	ug/l	10
Carbon disulfide		-	ug/l		5 U	ug/l	5	-	ug/l		2 J	ug/l	
1,1-Dichloroethane		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
1,1-Dichloroethene		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
1,2-Dichloroethene (total)		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Chloroform		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
1,2-Dichloroethane		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
2-Butanone		-	ug/l		2 J	ug/l		-	ug/l		10 U	ug/l	10
1,1,1-Trichloroethane		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Carbon tetrachloride		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Bromodichloromethane		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
1,2-Dichloropropane		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
cis-1,3-Dichloropropene		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Trichloroethene		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Dibromochloromethane		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
1,1,2-Trichloroethane		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Benzene		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
trans-1,3-Dichloropropene		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Bromoform		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
4-Methyl-2-pentanone		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
2-Hexanone		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Tetrachloroethene		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
1,1,2,2-Tetrachloroethane		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Toluene		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Chlorobenzene		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Ethylbenzene		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Styrene		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Xylenes (total)		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Dichlorodifluoromethane		-	ug/l		10 U	ug/l	10	-	ug/l		10 UJ	ug/l	
Trichlorofluoromethane		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
1,3-Dichlorobenzene		-	ug/l		10 U	ug/l	10	-	ug/l		5 U	ug/l	5
Acrolein		-	ug/l		100 U	ug/l	100	-	ug/l		100 U	ug/l	100
Iodomethane		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
1,4-Dichlorobenzene		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Acrylonitrile		-	ug/l		100 U	ug/l	100	-	ug/l		100 U	ug/l	100

US Naval Station, Mayport, Florida
Analytical Results for Surface Water Samples Collected at SWMU 4

Lab Sample Number:		M7638004			M7636002			M7638002			M7636010		
Site		GROUPI&II			GROUPI&II			GROUPI&II			GROUPI&II		
Locator		02SW023			02SW026			02SW026			02SW028		
Collect Date:		30-JUL-94			30-JUL-94			30-JUL-94			31-JUL-94		
		VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
Dibromomethane		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
1,2-Dichlorobenzene		-	ug/l		10 U	ug/l	10	-	ug/l		5 U	ug/l	5
2-Chloroethylvinyl ether		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Ethyl methacrylate		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
1,2,3-Trichloropropane		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
trans-1,4-Dichloro-2-butene		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Isobutyl alcohol		-	ug/l		200 U	ug/l	200	-	ug/l		200 U	ug/l	200
1,1,1,2-Tetrachloroethane		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
1,2-Dibromo-3-chloropropane		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Ethylene dibromide		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
1,4-Dioxane		-	ug/l		200 R	ug/l		-	ug/l		200 UJ	ug/l	
3-Chloropropene		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Acetonitrile		-	ug/l		100 U	ug/l	100	-	ug/l		100 U	ug/l	100
Chloroprene		-	ug/l		200 U	ug/l	200	-	ug/l		200 U	ug/l	200
Methacrylonitrile		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Methyl methacrylate		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Pentachloroethane		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Propionitrile		-	ug/l		100 U	ug/l	100	-	ug/l		100 U	ug/l	100
Vinyl acetate		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
SEMIVOLATILES	ug/l												
N-Nitrosodimethylamine		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Phenol		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Aniline		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
bis(2-Chloroethyl) ether		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Benzyl Alcohol		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
2-Methylphenol		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
bis(2-Chloroisopropyl) ether		-	ug/l		10 UJ	ug/l		-	ug/l		10 U	ug/l	10
N-Nitroso-di-n-propylamine		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Hexachloroethane		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Nitrobenzene		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Isophorone		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
2-Nitrophenol		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
2,4-Dimethylphenol		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Benzoic acid		-	ug/l		50 U	ug/l	50	-	ug/l		50 U	ug/l	50
bis(2-Chloroethoxy) methane		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
2,4-Dichlorophenol		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
1,2,4-Trichlorobenzene		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Naphthalene		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
4-Chloroaniline		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Hexachlorobutadiene		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
4-Chloro-3-methylphenol		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
2-Methylnaphthalene		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Hexachlorocyclopentadiene		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
2,4,6-Trichlorophenol		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Dimethylphthalate		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
2,4,5-Trichlorophenol		-	ug/l		50 U	ug/l	50	-	ug/l		50 U	ug/l	50
2-Chloronaphthalene		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
2-Nitroaniline		-	ug/l		50 U	ug/l	50	-	ug/l		50 U	ug/l	50
Acenaphthylene		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
2,6-Dinitrotoluene		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
3-Nitroaniline		-	ug/l		50 UJ	ug/l		-	ug/l		50 U	ug/l	50

US Naval Station, Mayport, Florida
Analytical Results for Surface Water Samples Collected at SWMU 4

Lab Sample Number:	M7638004				M7636002				M7638002				M7636010			
Site	GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator	02SW023				02SW026				02SW026				02SW028			
Collect Date:	30-JUL-94				30-JUL-94				30-JUL-94				31-JUL-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Acenaphthene	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
2,4-Dinitrophenol	-		ug/l		50	U	ug/l	50	-		ug/l		50	U	ug/l	50
4-Nitrophenol	-		ug/l		50	U	ug/l	50	-		ug/l		50	U	ug/l	50
Dibenzofuran	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
2,4-Dinitrotoluene	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Diethylphthalate	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
4-Chlorophenyl-phenylether	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Fluorene	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
4-Nitroaniline	-		ug/l		50	UJ	ug/l		-		ug/l		50	U	ug/l	50
4,6-Dinitro-2-methylphenol	-		ug/l		50	U	ug/l	50	-		ug/l		50	U	ug/l	50
N-Nitrosodiphenylamine	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
1,2-Diphenylhydrazine	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
4-Bromophenyl-phenylether	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Hexachlorobenzene	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Pentachlorophenol	-		ug/l		50	U	ug/l	50	-		ug/l		50	U	ug/l	50
Phenanthrene	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Anthracene	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Di-n-Butylphthalate	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Fluoranthene	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Pyrene	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Butylbenzylphthalate	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
3,3-Dichlorobenzidine	-		ug/l		20	UJ	ug/l		-		ug/l		20	U	ug/l	20
Benzo (a) anthracene	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Chrysene	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
bis(2-Ethylhexyl) phthalate	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Di-n-octylphthalate	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Benzo (b) fluoranthene	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Benzo (k) fluoranthene	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Benzo (a) pyrene	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Indeno (1,2,3-cd) pyrene	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Dibenzo (a,h) anthracene	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Benzo (g,h,i) perylene	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
2-Picoline	-		ug/l		50	U	ug/l	50	-		ug/l		50	U	ug/l	50
Methyl methanesulfonate	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Ethyl methanesulfonate	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Acetophenone	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
N-Nitrosopiperidine	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Phenyl-tert-butylamine	-		ug/l		50	U	ug/l	50	-		ug/l		50	U	ug/l	50
2,6-Dichlorophenol	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
N-Nitroso-di-n-butylamine	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
N-Nitrosodiethylamine	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
N-Nitrosopyrrolidine	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Benzidine	-		ug/l		50	UJ	ug/l		-		ug/l		50	U	ug/l	50
1,2,4,5-Tetrachlorobenzene	-		ug/l		50	U	ug/l	50	-		ug/l		50	U	ug/l	50
Pentachlorobenzene	-		ug/l		50	U	ug/l	50	-		ug/l		50	U	ug/l	50
1-Naphthylamine	-		ug/l		50	U	ug/l	50	-		ug/l		50	U	ug/l	50
2-Naphthylamine	-		ug/l		50	U	ug/l	50	-		ug/l		50	U	ug/l	50
2,3,4,6-Tetrachlorophenol	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Phenacetin	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
4-Aminobiphenyl	-		ug/l		50	UJ	ug/l		-		ug/l		50	U	ug/l	50
Pentachloronitrobenzene	-		ug/l		50	U	ug/l	50	-		ug/l		50	U	ug/l	50
Pronamide	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10

US Naval Station, Mayport, Florida
Analytical Results for Surface Water Samples Collected at SWMU 4

Lab Sample Number:		M7638004				M7636002				M7638002				M7636010			
Site		GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator		02SW023				02SW026				02SW026				02SW028			
Collect Date:		30-JUL-94				30-JUL-94				30-JUL-94				31-JUL-94			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
p-Dimethylaminoazobenzene		-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
7,12-Dimethylbenz(A)Anthracene		-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
3-Methylcholanthrene		-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Pyridine		-		ug/l		50	U	ug/l	50	-		ug/l		50	U	ug/l	50
N-Nitrosomethylethylamine		-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
N-Nitrosomorpholine		-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
o-Toluidine		-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Hexachloropropene		-		ug/l		50	R	ug/l		-		ug/l		50	U	ug/l	50
p-Phenylenediamine		-		ug/l		500	UJ	ug/l		-		ug/l		500	U	ug/l	500
Safrole		-		ug/l		50	U	ug/l	50	-		ug/l		50	U	ug/l	50
Isosafrole		-		ug/l		50	U	ug/l	50	-		ug/l		50	U	ug/l	50
1,4-Naphthoquinone		-		ug/l		1000	U	ug/l	1000	-		ug/l		1000	U	ug/l	1000
1,3-Dinitrobenzene		-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
5-Nitro-o-toluidine		-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
1,3,5-Trinitrobenzene		-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
4-Nitroquinoline-1-oxide		-		ug/l		500	R	ug/l		-		ug/l		500	R	ug/l	
Methapyrilene		-		ug/l		50	U	ug/l	50	-		ug/l		50	U	ug/l	50
3,3-Dimethylbenzidine		-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Hexachlorophene		-		ug/l		500	R	ug/l		-		ug/l		500	R	ug/l	
Aramite		-		ug/l		50	U	ug/l	50	-		ug/l		50	U	ug/l	50
2-Chlorophenol		-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
3- & 4-Methylphenol (2)		-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Hexachloropropene		-		ug/l		50	R	ug/l		-		ug/l		50	U	ug/l	50
2-Acetylaminofluorene		-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
PESTICIDES/PCBs	ug/l																
alpha-BHC		-		ug/l		.02	U	ug/l	.02	-		ug/l		.02	U	ug/l	.02
beta-BHC		-		ug/l		.04	U	ug/l	.04	-		ug/l		.04	U	ug/l	.04
delta-BHC		-		ug/l		.02	U	ug/l	.02	-		ug/l		.02	U	ug/l	.02
gamma-BHC (Lindane)		-		ug/l		.02	U	ug/l	.02	-		ug/l		.02	U	ug/l	.02
Heptachlor		-		ug/l		.02	U	ug/l	.02	-		ug/l		.02	U	ug/l	.02
Aldrin		-		ug/l		.02	U	ug/l	.02	-		ug/l		.02	U	ug/l	.02
Heptachlor epoxide		-		ug/l		.02	U	ug/l	.02	-		ug/l		.02	U	ug/l	.02
Endosulfan I		-		ug/l		.02	U	ug/l	.02	-		ug/l		.02	U	ug/l	.02
Dieldrin		-		ug/l		.02	U	ug/l	.02	-		ug/l		.02	U	ug/l	.02
4,4-DDE		-		ug/l		.02	U	ug/l	.02	-		ug/l		.02	U	ug/l	.02
Endrin		-		ug/l		.04	U	ug/l	.04	-		ug/l		.04	U	ug/l	.04
Endosulfan II		-		ug/l		.04	U	ug/l	.04	-		ug/l		.04	U	ug/l	.04
4,4-DDD		-		ug/l		.04	U	ug/l	.04	-		ug/l		.04	U	ug/l	.04
Endosulfan sulfate		-		ug/l		.04	U	ug/l	.04	-		ug/l		.04	U	ug/l	.04
4,4-DDT		-		ug/l		.04	U	ug/l	.04	-		ug/l		.04	U	ug/l	.04
Methoxychlor		-		ug/l		.08	U	ug/l	.08	-		ug/l		.08	U	ug/l	.08
Endrin aldehyde		-		ug/l		.04	U	ug/l	.04	-		ug/l		.04	U	ug/l	.04
Endrin ketone		-		ug/l		.04	U	ug/l	.04	-		ug/l		.04	U	ug/l	.04
Chlordane		-		ug/l		.2	U	ug/l	.2	-		ug/l		.2	U	ug/l	.2
Chlorobenzilate		-		ug/l		.5	U	ug/l	.5	-		ug/l		.5	U	ug/l	.5
Diallate		-		ug/l		1	U	ug/l	1	-		ug/l		1	U	ug/l	1
Toxaphene		-		ug/l		1	U	ug/l	1	-		ug/l		1	U	ug/l	1
Isodrin		-		ug/l		.02	U	ug/l	.02	-		ug/l		.02	U	ug/l	.02
Kepone		-		ug/l		1	U	ug/l	1	-		ug/l		1	U	ug/l	1
Aroclor-1016		-		ug/l		1	U	ug/l	1	-		ug/l		1	U	ug/l	1
Aroclor-1221		-		ug/l		2	U	ug/l	2	-		ug/l		2	U	ug/l	2

US Naval Station, Mayport, Florida
Analytical Results for Surface Water Samples Collected at SWMU 4

Lab Sample Number:		M7638004				M7636002				M7638002				M7636010			
Site		GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator		02SW023				02SW026				02SW026				02SW028			
Collect Date:		30-JUL-94				30-JUL-94				30-JUL-94				31-JUL-94			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Aroclor-1232		-		ug/l		2	U	ug/l	2	-		ug/l		2	U	ug/l	2
Aroclor-1242		-		ug/l		1	U	ug/l	1	-		ug/l		1	U	ug/l	1
Aroclor-1248		-		ug/l		1	U	ug/l	1	-		ug/l		1	U	ug/l	1
Aroclor-1254		-		ug/l		.5	U	ug/l	.5	-		ug/l		.5	U	ug/l	.5
Aroclor-1260		-		ug/l		.5	U	ug/l	.5	-		ug/l		.5	U	ug/l	.5
INORGANICS (WATER)	ug/l																
Antimony		-		ug/l		22.3	U	ug/l	22.3	-		ug/l		22.3	UJ	ug/l	
Arsenic		-		ug/l		37.6		ug/l		-		ug/l		26.3		ug/l	
Barium		-		ug/l		26.7	J	ug/l		-		ug/l		81.7	J	ug/l	
Beryllium		-		ug/l		.18	U	ug/l	.18	-		ug/l		.63	J	ug/l	
Cadmium		-		ug/l		3	U	ug/l	3	-		ug/l		3	U	ug/l	3
Calcium		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Chromium		-		ug/l		2	U	ug/l	2	-		ug/l		16		ug/l	
Cobalt		-		ug/l		2.7	U	ug/l	2.7	-		ug/l		4.6	J	ug/l	
Copper		-		ug/l		6.78	J	ug/l		-		ug/l		32.2	U	ug/l	32.2
Cyanide		-		ug/l		3.9	U	ug/l	3.9	-		ug/l		88	J	ug/l	
Iron		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Lead		-		ug/l		20.5	UJ	ug/l		-		ug/l		20.5	J	ug/l	
Magnesium		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Manganese		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Mercury		-		ug/l		.08	U	ug/l	.08	-		ug/l		.9		ug/l	
Nickel		-		ug/l		7.3	U	ug/l	7.3	-		ug/l		13.1	J	ug/l	
Selenium		-		ug/l		13.2	UJ	ug/l		-		ug/l		24.7	J	ug/l	
Silver		-		ug/l		2.1	U	ug/l	2.1	-		ug/l		2.1	U	ug/l	2.1
Sodium		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Thallium		-		ug/l		13	UJ	ug/l		-		ug/l		13	UJ	ug/l	
Tin		-		ug/l		9.4	U	ug/l	9.4	-		ug/l		9.4	U	ug/l	9.4
Vanadium		-		ug/l		13.4	J	ug/l		-		ug/l		42.8	J	ug/l	
Zinc		-		ug/l		9.1	U	ug/l	9.1	-		ug/l		124		ug/l	
GROUND WATER QUALITY	mg/l																
Alkalinity as CaCO3		146		mg/l		-		mg/l		544		mg/l		-		mg/l	
Ammonia-N		.3	U	mg/l	.3	-		mg/l		1.6		mg/l		-		mg/l	
Chloride		1900		mg/l		-		mg/l		5960		mg/l		-		mg/l	
Hardness as CaCO3		1150		mg/l		-		mg/l		2880		mg/l		-		mg/l	
Nitrate/Nitrite-N		-		mg/l		-		mg/l		-		mg/l		-		mg/l	
Oil and Grease		-		mg/l		-		mg/l		-		mg/l		-		mg/l	
Phosphorous-P, Total		41.4		mg/l		-		mg/l		2.82		mg/l		-		mg/l	
Sulfate		2000		mg/l		-		mg/l		1260		mg/l		-		mg/l	
Sulfide		1.5		mg/l		-		mg/l		1.2		mg/l		-		mg/l	
Total Dissolved Solids		-		mg/l		-		mg/l		-		mg/l		-		mg/l	
Total Kjeldahl Nitrogen		57.1		mg/l		-		mg/l		5.4		mg/l		-		mg/l	
Total Organic Carbon		-		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.

US Naval Station, Mayport, Florida
Analytical Results for Surface Water Samples Collected at SWMU 4

Lab Sample Number:		M7638009			M7615005			M7617005			M7615006		
Site		GROUPI&II			GROUPI&II			GROUPI&II			GROUPI&II		
Locator		02SW028			02SW031			02SW031			02SW031D		
Collect Date:		31-JUL-94			28-JUL-94			28-JUL-94			28-JUL-94		
		VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
VOLATILES	ug/l												
Chloromethane		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Bromomethane		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Vinyl chloride		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Chloroethane		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Methylene chloride		-	ug/l		5 U	ug/l	5	-	ug/l		1 J	ug/l	
Acetone		-	ug/l		19 U	ug/l	19	-	ug/l		18 U	ug/l	18
Carbon disulfide		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
1,1-Dichloroethane		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
1,1-Dichloroethene		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
1,2-Dichloroethene (total)		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Chloroform		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
1,2-Dichloroethane		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
2-Butanone		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
1,1,1-Trichloroethane		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Carbon tetrachloride		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Bromodichloromethane		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
1,2-Dichloropropane		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
cis-1,3-Dichloropropene		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Trichloroethene		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Dibromochloromethane		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
1,1,2-Trichloroethane		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Benzene		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
trans-1,3-Dichloropropene		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Bromoform		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
4-Methyl-2-pentanone		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
2-Hexanone		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Tetrachloroethene		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
1,1,2,2-Tetrachloroethane		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Toluene		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Chlorobenzene		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Ethylbenzene		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Styrene		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Xylenes (total)		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Dichlorodifluoromethane		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Trichlorofluoromethane		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
1,3-Dichlorobenzene		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Acrolein		-	ug/l		100 U	ug/l	100	-	ug/l		100 U	ug/l	100
Iodomethane		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
1,4-Dichlorobenzene		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Acrylonitrile		-	ug/l		100 U	ug/l	100	-	ug/l		100 U	ug/l	100

US Naval Station, Mayport, Florida
Analytical Results for Surface Water Samples Collected at SWMU 4

Lab Sample Number:		M7638009			M7615005			M7617005			M7615006		
Site		GROUPI&II			GROUPI&II			GROUPI&II			GROUPI&II		
Locator		02SW028			02SW031			02SW031			02SW031D		
Collect Date:		31-JUL-94			28-JUL-94			28-JUL-94			28-JUL-94		
		VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
Dibromomethane		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
1,2-Dichlorobenzene		-	ug/l		5 U	ug/l	5	-	ug/l		10 U	ug/l	10
2-Chloroethylvinyl ether		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Ethyl methacrylate		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
1,2,3-Trichloropropane		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
trans-1,4-Dichloro-2-butene		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Isobutyl alcohol		-	ug/l		200 U	ug/l	200	-	ug/l		200 U	ug/l	200
1,1,1,2-Tetrachloroethane		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
1,2-Dibromo-3-chloropropane		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Ethylene dibromide		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
1,4-Dioxane		-	ug/l		200 R	ug/l		-	ug/l		200 R	ug/l	
3-Chloropropene		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Acetonitrile		-	ug/l		100 U	ug/l	100	-	ug/l		100 U	ug/l	100
Chloroprene		-	ug/l		200 U	ug/l	200	-	ug/l		200 U	ug/l	200
Methacrylonitrile		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Methyl methacrylate		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Pentachloroethane		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Propionitrile		-	ug/l		100 U	ug/l	100	-	ug/l		100 U	ug/l	100
Vinyl acetate		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
SEMIVOLATILES	ug/l												
N-Nitrosodimethylamine		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Phenol		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Aniline		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
bis(2-Chloroethyl) ether		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Benzyl Alcohol		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
2-Methylphenol		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
bis(2-Chloroisopropyl) ether		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
N-Nitroso-di-n-propylamine		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Hexachloroethane		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Nitrobenzene		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Isophorone		-	ug/l		3 J	ug/l		-	ug/l		10 U	ug/l	10
2-Nitrophenol		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
2,4-Dimethylphenol		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Benzoic acid		-	ug/l		50 UJ	ug/l		-	ug/l		50 U	ug/l	50
bis(2-Chloroethoxy) methane		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
2,4-Dichlorophenol		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
1,2,4-Trichlorobenzene		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Naphthalene		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
4-Chloroaniline		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Hexachlorobutadiene		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
4-Chloro-3-methylphenol		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
2-Methylnaphthalene		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Hexachlorocyclopentadiene		-	ug/l		10 UJ	ug/l		-	ug/l		10 U	ug/l	10
2,4,6-Trichlorophenol		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Dimethylphthalate		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
2,4,5-Trichlorophenol		-	ug/l		50 U	ug/l	50	-	ug/l		50 U	ug/l	50
2-Chloronaphthalene		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
2-Nitroaniline		-	ug/l		50 U	ug/l	50	-	ug/l		50 U	ug/l	50
Acenaphthylene		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
2,6-Dinitrotoluene		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
3-Nitroaniline		-	ug/l		50 U	ug/l	50	-	ug/l		50 U	ug/l	50

US Naval Station, Mayport, Florida
Analytical Results for Surface Water Samples Collected at SWMU 4

Lab Sample Number:	M7638009				M7615005				M7617005				M7615006			
Site	GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator	02SW028				02SW031				02SW031				02SW031D			
Collect Date:	31-JUL-94				28-JUL-94				28-JUL-94				28-JUL-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Acenaphthene	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
2,4-Dinitrophenol	-		ug/l		50	U	ug/l	50	-		ug/l		50	U	ug/l	50
4-Nitrophenol	-		ug/l		50	U	ug/l	50	-		ug/l		50	UJ	ug/l	
Dibenzofuran	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
2,4-Dinitrotoluene	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Diethylphthalate	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
4-Chlorophenyl-phenylether	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Fluorene	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
4-Nitroaniline	-		ug/l		50	U	ug/l	50	-		ug/l		50	U	ug/l	50
4,6-Dinitro-2-methylphenol	-		ug/l		50	U	ug/l	50	-		ug/l		50	U	ug/l	50
N-Nitrosodiphenylamine	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
1,2-Diphenylhydrazine	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
4-Bromophenyl-phenylether	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Hexachlorobenzene	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Pentachlorophenol	-		ug/l		50	U	ug/l	50	-		ug/l		50	U	ug/l	50
Phenanthrene	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Anthracene	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Di-n-Butylphthalate	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Fluoranthene	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Pyrene	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Butylbenzylphthalate	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
3,3-Dichlorobenzidine	-		ug/l		20	U	ug/l	20	-		ug/l		20	U	ug/l	20
Benzo (a) anthracene	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Chrysene	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
bis(2-Ethylhexyl) phthalate	-		ug/l		2	J	ug/l		-		ug/l		9	J	ug/l	
Di-n-octylphthalate	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Benzo (b) fluoranthene	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Benzo (k) fluoranthene	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Benzo (a) pyrene	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Indeno (1,2,3-cd) pyrene	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Dibenzo (a,h) anthracene	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Benzo (g,h,i) perylene	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
2-Picoline	-		ug/l		50	U	ug/l	50	-		ug/l		50	U	ug/l	50
Methyl methanesulfonate	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Ethyl methanesulfonate	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Acetophenone	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
N-Nitrosopiperidine	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Phenyl-tert-butylamine	-		ug/l		50	U	ug/l	50	-		ug/l		50	U	ug/l	50
2,6-Dichlorophenol	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
N-Nitroso-di-n-butylamine	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
N-Nitrosodiethylamine	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
N-Nitrosopyrrolidine	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Benzidine	-		ug/l		50	U	ug/l	50	-		ug/l		50	U	ug/l	50
1,2,4,5-Tetrachlorobenzene	-		ug/l		50	U	ug/l	50	-		ug/l		50	U	ug/l	50
Pentachlorobenzene	-		ug/l		50	U	ug/l	50	-		ug/l		50	U	ug/l	50
1-Naphthylamine	-		ug/l		50	U	ug/l	50	-		ug/l		50	U	ug/l	50
2-Naphthylamine	-		ug/l		50	U	ug/l	50	-		ug/l		50	U	ug/l	50
2,3,4,6-Tetrachlorophenol	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Phenacetin	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
4-Aminobiphenyl	-		ug/l		50	U	ug/l	50	-		ug/l		50	U	ug/l	50
Pentachloronitrobenzene	-		ug/l		50	U	ug/l	50	-		ug/l		50	U	ug/l	50
Pronamide	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10

US Naval Station, Mayport, Florida
Analytical Results for Surface Water Samples Collected at SWMU 4

Lab Sample Number:		M7638009			M7615005			M7617005			M7615006		
Site		GROUPI&II			GROUPI&II			GROUPI&II			GROUPI&II		
Locator		02SW028			02SW031			02SW031			02SW031D		
Collect Date:		31-JUL-94			28-JUL-94			28-JUL-94			28-JUL-94		
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	
p-Dimethylaminoazobenzene		-	ug/l		10	U	ug/l	10	-		ug/l	10	U	ug/l	10
7,12-Dimethylbenz(A)Anthracene		-	ug/l		10	U	ug/l	10	-		ug/l	10	U	ug/l	10
3-Methylcholanthrene		-	ug/l		10	U	ug/l	10	-		ug/l	10	U	ug/l	10
Pyridine		-	ug/l		50	U	ug/l	50	-		ug/l	50	U	ug/l	50
N-Nitrosomethylethylamine		-	ug/l		10	U	ug/l	10	-		ug/l	10	U	ug/l	10
N-Nitrosomorpholine		-	ug/l		10	U	ug/l	10	-		ug/l	10	U	ug/l	10
o-Toluidine		-	ug/l		10	U	ug/l	10	-		ug/l	10	U	ug/l	10
Hexachloropropene		-	ug/l		50	U	ug/l	50	-		ug/l	50	U	ug/l	50
p-Phenylenediamine		-	ug/l		500	UJ	ug/l		-		ug/l	500	UJ	ug/l	
Safrole		-	ug/l		50	U	ug/l	50	-		ug/l	50	U	ug/l	50
Isosafrole		-	ug/l		50	U	ug/l	50	-		ug/l	50	U	ug/l	50
1,4-Naphthoquinone		-	ug/l		1000	U	ug/l	1000	-		ug/l	1000	U	ug/l	1000
1,3-Dinitrobenzene		-	ug/l		10	U	ug/l	10	-		ug/l	10	U	ug/l	10
5-Nitro-o-toluidine		-	ug/l		10	U	ug/l	10	-		ug/l	10	U	ug/l	10
1,3,5-Trinitrobenzene		-	ug/l		10	U	ug/l	10	-		ug/l	10	UJ	ug/l	
4-Nitroquinoline-1-oxide		-	ug/l		500	R	ug/l		-		ug/l	500	R	ug/l	
Methapyrilene		-	ug/l		50	U	ug/l	50	-		ug/l	50	U	ug/l	50
3,3-Dimethylbenzidine		-	ug/l		10	U	ug/l	10	-		ug/l	10	U	ug/l	10
Hexachlorophene		-	ug/l		500	R	ug/l		-		ug/l	500	R	ug/l	
Aramite		-	ug/l		50	U	ug/l	50	-		ug/l	50	U	ug/l	50
2-Chlorophenol		-	ug/l		10	U	ug/l	10	-		ug/l	10	U	ug/l	10
3- & 4-Methylphenol (2)		-	ug/l		10	U	ug/l	10	-		ug/l	10	U	ug/l	10
Hexachloropropene		-	ug/l		50	U	ug/l	50	-		ug/l	50	U	ug/l	50
2-Acetylaminofluorene		-	ug/l		10	U	ug/l	10	-		ug/l	10	U	ug/l	10
PESTICIDES/PCBs	ug/l														
alpha-BHC		-	ug/l		.02	U	ug/l	.02	-		ug/l	.02	U	ug/l	.02
beta-BHC		-	ug/l		.04	U	ug/l	.04	-		ug/l	.04	U	ug/l	.04
delta-BHC		-	ug/l		.02	U	ug/l	.02	-		ug/l	.02	U	ug/l	.02
gamma-BHC (Lindane)		-	ug/l		.02	U	ug/l	.02	-		ug/l	.02	U	ug/l	.02
Heptachlor		-	ug/l		.02	U	ug/l	.02	-		ug/l	.02	U	ug/l	.02
Aldrin		-	ug/l		.02	U	ug/l	.02	-		ug/l	.02	U	ug/l	.02
Heptachlor epoxide		-	ug/l		.02	U	ug/l	.02	-		ug/l	.02	U	ug/l	.02
Endosulfan I		-	ug/l		.02	U	ug/l	.02	-		ug/l	.02	U	ug/l	.02
Dieldrin		-	ug/l		.02	U	ug/l	.02	-		ug/l	.02	U	ug/l	.02
4,4-DDE		-	ug/l		.02	U	ug/l	.02	-		ug/l	.02	U	ug/l	.02
Endrin		-	ug/l		.04	U	ug/l	.04	-		ug/l	.04	U	ug/l	.04
Endosulfan II		-	ug/l		.04	U	ug/l	.04	-		ug/l	.04	U	ug/l	.04
4,4-DDD		-	ug/l		.04	U	ug/l	.04	-		ug/l	.04	U	ug/l	.04
Endosulfan sulfate		-	ug/l		.04	U	ug/l	.04	-		ug/l	.04	U	ug/l	.04
4,4-DDT		-	ug/l		.04	U	ug/l	.04	-		ug/l	.04	U	ug/l	.04
Methoxychlor		-	ug/l		.08	U	ug/l	.08	-		ug/l	.08	U	ug/l	.08
Endrin aldehyde		-	ug/l		.04	U	ug/l	.04	-		ug/l	.04	U	ug/l	.04
Endrin ketone		-	ug/l		.04	U	ug/l	.04	-		ug/l	.04	U	ug/l	.04
Chlordane		-	ug/l		.2	U	ug/l	.2	-		ug/l	.2	U	ug/l	.2
Chlorobenzilate		-	ug/l		.5	U	ug/l	.5	-		ug/l	.5	U	ug/l	.5
Diallate		-	ug/l		1	U	ug/l	1	-		ug/l	1	U	ug/l	1
Toxaphene		-	ug/l		1	U	ug/l	1	-		ug/l	1	U	ug/l	1
Isodrin		-	ug/l		.02	U	ug/l	.02	-		ug/l	.02	U	ug/l	.02
Kepone		-	ug/l		1	U	ug/l	1	-		ug/l	1	U	ug/l	1
Aroclor-1016		-	ug/l		1	U	ug/l	1	-		ug/l	1	U	ug/l	1
Aroclor-1221		-	ug/l		2	U	ug/l	2	-		ug/l	2	U	ug/l	2

US Naval Station, Mayport, Florida
Analytical Results for Surface Water Samples Collected at SWMU 4

Lab Sample Number:		M7638009				M7615005				M7617005				M7615006			
Site		GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator		02SW028				02SW031				02SW031				02SW031D			
Collect Date:		31-JUL-94				28-JUL-94				28-JUL-94				28-JUL-94			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Aroclor-1232		-		ug/l		2	U	ug/l	2	-		ug/l		2	U	ug/l	2
Aroclor-1242		-		ug/l		1	U	ug/l	1	-		ug/l		1	U	ug/l	1
Aroclor-1248		-		ug/l		1	U	ug/l	1	-		ug/l		1	U	ug/l	1
Aroclor-1254		-		ug/l		.5	U	ug/l	.5	-		ug/l		.5	U	ug/l	.5
Aroclor-1260		-		ug/l		.5	U	ug/l	.5	-		ug/l		.5	U	ug/l	.5
INORGANICS (WATER)	ug/l																
Antimony		-		ug/l		22.3	UJ	ug/l		-		ug/l		22.3	UJ	ug/l	
Arsenic		-		ug/l		21.4	J	ug/l		-		ug/l		11.2	J	ug/l	
Barium		-		ug/l		21.6	J	ug/l		-		ug/l		25.5	J	ug/l	
Beryllium		-		ug/l		.18	U	ug/l	.18	-		ug/l		.18	U	ug/l	.18
Cadmium		-		ug/l		3	U	ug/l	3	-		ug/l		4.8	J	ug/l	
Calcium		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Chromium		-		ug/l		2	U	ug/l	2	-		ug/l		2	U	ug/l	2
Cobalt		-		ug/l		2.7	U	ug/l	2.7	-		ug/l		2.7	U	ug/l	2.7
Copper		-		ug/l		4	U	ug/l	4	-		ug/l		4	U	ug/l	4
Cyanide		-		ug/l		2.9	U	ug/l	2.9	-		ug/l		2.8	U	ug/l	2.8
Iron		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Lead		-		ug/l		20.5	UJ	ug/l		-		ug/l		20.5	UJ	ug/l	
Magnesium		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Manganese		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Mercury		-		ug/l		.18	J	ug/l		-		ug/l		.12	J	ug/l	
Nickel		-		ug/l		7.3	U	ug/l	7.3	-		ug/l		7.3	U	ug/l	7.3
Selenium		-		ug/l		18.9	J	ug/l		-		ug/l		13.2	UJ	ug/l	
Silver		-		ug/l		2.1	U	ug/l	2.1	-		ug/l		2.1	U	ug/l	2.1
Sodium		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Thallium		-		ug/l		13	UJ	ug/l		-		ug/l		13	UJ	ug/l	
Tin		-		ug/l		9.4	U	ug/l	9.4	-		ug/l		9.4	U	ug/l	9.4
Vanadium		-		ug/l		5.8	J	ug/l		-		ug/l		5.2	J	ug/l	
Zinc		-		ug/l		42.8		ug/l		-		ug/l		25.8		ug/l	
GROUND WATER QUALITY	mg/l																
Alkalinity as CaCO3		2	U	mg/l	2	-		mg/l		392		mg/l		-		mg/l	
Ammonia-N		11.4		mg/l		-		mg/l		.3	U	mg/l	.3	-		mg/l	
Chloride		18000		mg/l		-		mg/l		14200		mg/l		-		mg/l	
Hardness as CaCO3		808		mg/l		-		mg/l		3340		mg/l		-		mg/l	
Nitrate/Nitrite-N		-		mg/l		-		mg/l		-		mg/l		-		mg/l	
Oil and Grease		-		mg/l		-		mg/l		-		mg/l		-		mg/l	
Phosphorous-P, Total		41		mg/l		-		mg/l		1.82		mg/l		-		mg/l	
Sulfate		9710		mg/l		-		mg/l		898		mg/l		-		mg/l	
Sulfide		131		mg/l		-		mg/l		2		mg/l		-		mg/l	
Total Dissolved Solids		-		mg/l		-		mg/l		-		mg/l		-		mg/l	
Total Kjeldahl Nitrogen		14.4		mg/l		-		mg/l		8.1		mg/l		-		mg/l	
Total Organic Carbon		-		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.

US Naval Station, Mayport, Florida
Analytical Results for Surface Water Samples Collected at SWMU 4

Lab Sample Number:		M7628002			M7629002			M7636005			M7638005		
Site		GROUPI&II			GROUPI&II			GROUPI&II			GROUPI&II		
Locator		02SW032			02SW032			02SW033			02SW033		
Collect Date:		29-JUL-94			29-JUL-94			30-JUL-94			30-JUL-94		
		VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
VOLATILES	ug/l												
Chloromethane		10 U	ug/l	10	-	ug/l		10 U	ug/l	10	-	ug/l	
Bromomethane		10 U	ug/l	10	-	ug/l		10 U	ug/l	10	-	ug/l	
Vinyl chloride		10 U	ug/l	10	-	ug/l		10 U	ug/l	10	-	ug/l	
Chloroethane		10 U	ug/l	10	-	ug/l		10 U	ug/l	10	-	ug/l	
Methylene chloride		1 J	ug/l		-	ug/l		5 U	ug/l	5	-	ug/l	
Acetone		17 U	ug/l	17	-	ug/l		24 U	ug/l	24	-	ug/l	
Carbon disulfide		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
1,1-Dichloroethane		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
1,1-Dichloroethene		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
1,2-Dichloroethene (total)		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
Chloroform		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
1,2-Dichloroethane		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
2-Butanone		10 U	ug/l	10	-	ug/l		10 U	ug/l	10	-	ug/l	
1,1,1-Trichloroethane		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
Carbon tetrachloride		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
Bromodichloromethane		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
1,2-Dichloropropane		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
cis-1,3-Dichloropropene		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
Trichloroethene		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
Dibromochloromethane		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
1,1,2-Trichloroethane		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
Benzene		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
trans-1,3-Dichloropropene		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
Bromoform		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
4-Methyl-2-pentanone		10 U	ug/l	10	-	ug/l		10 U	ug/l	10	-	ug/l	
2-Hexanone		10 U	ug/l	10	-	ug/l		10 U	ug/l	10	-	ug/l	
Tetrachloroethene		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
1,1,2,2-Tetrachloroethane		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
Toluene		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
Chlorobenzene		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
Ethylbenzene		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
Styrene		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
Xylenes (total)		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
Dichlorodifluoromethane		10 U	ug/l	10	-	ug/l		10 U	ug/l	10	-	ug/l	
Trichlorofluoromethane		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
1,3-Dichlorobenzene		5 U	ug/l	5	-	ug/l		10 U	ug/l	10	-	ug/l	
Acrolein		100 U	ug/l	100	-	ug/l		100 U	ug/l	100	-	ug/l	
Iodomethane		10 U	ug/l	10	-	ug/l		10 U	ug/l	10	-	ug/l	
1,4-Dichlorobenzene		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
Acrylonitrile		100 U	ug/l	100	-	ug/l		100 U	ug/l	100	-	ug/l	

US Naval Station, Mayport, Florida
Analytical Results for Surface Water Samples Collected at SWMU 4

Lab Sample Number:		M7628002				M7629002				M7636005				M7638005		
Site		GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II		
Locator		02SW032				02SW032				02SW033				02SW033		
Collect Date:		29-JUL-94				29-JUL-94				30-JUL-94				30-JUL-94		
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Dibromomethane		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
1,2-Dichlorobenzene		5	U	ug/l	5	-		ug/l		10	U	ug/l	10	-		ug/l	
2-Chloroethylvinyl ether		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Ethyl methacrylate		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
1,2,3-Trichloropropane		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
trans-1,4-Dichloro-2-butene		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
Isobutyl alcohol		200	U	ug/l	200	-		ug/l		200	U	ug/l	200	-		ug/l	
1,1,1,2-Tetrachloroethane		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
1,2-Dibromo-3-chloropropane		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Ethylene dibromide		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
1,4-Dioxane		200	R	ug/l		-		ug/l		200	R	ug/l		-		ug/l	
3-Chloropropene		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
Acetonitrile		100	U	ug/l	100	-		ug/l		100	U	ug/l	100	-		ug/l	
Chloroprene		200	U	ug/l	200	-		ug/l		200	U	ug/l	200	-		ug/l	
Methacrylonitrile		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
Methyl methacrylate		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Pentachloroethane		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Propionitrile		100	U	ug/l	100	-		ug/l		100	U	ug/l	100	-		ug/l	
Vinyl acetate		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
SEMIVOLATILES	ug/l																
N-Nitrosodimethylamine		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Phenol		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Aniline		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
bis(2-Chloroethyl) ether		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Benzyl Alcohol		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
2-Methylphenol		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
bis(2-Chloroisopropyl) ether		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
N-Nitroso-di-n-propylamine		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Hexachloroethane		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Nitrobenzene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Isophorone		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
2-Nitrophenol		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
2,4-Dimethylphenol		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Benzoic acid		50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
bis(2-Chloroethoxy) methane		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
2,4-Dichlorophenol		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
1,2,4-Trichlorobenzene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Naphthalene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
4-Chloroaniline		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Hexachlorobutadiene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
4-Chloro-3-methylphenol		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
2-Methylnaphthalene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Hexachlorocyclopentadiene		10	UJ	ug/l		-		ug/l		10	U	ug/l	10	-		ug/l	
2,4,6-Trichlorophenol		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Dimethylphthalate		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
2,4,5-Trichlorophenol		50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
2-Chloronaphthalene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
2-Nitroaniline		50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
Acenaphthylene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
2,6-Dinitrotoluene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
3-Nitroaniline		50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	

US Naval Station, Mayport, Florida
Analytical Results for Surface Water Samples Collected at SWMU 4

Lab Sample Number:	M7628002				M7629002				M7636005				M7638005			
Site	GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator	02SW032				02SW032				02SW033				02SW033			
Collect Date:	29-JUL-94				29-JUL-94				30-JUL-94				30-JUL-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Acenaphthene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
2,4-Dinitrophenol	50	UJ	ug/l		-		ug/l		50	U	ug/l	50	-		ug/l	
4-Nitrophenol	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
Dibenzofuran	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
2,4-Dinitrotoluene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Diethylphthalate	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
4-Chlorophenyl-phenylether	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Fluorene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
4-Nitroaniline	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
4,6-Dinitro-2-methylphenol	50	UJ	ug/l		-		ug/l		50	U	ug/l	50	-		ug/l	
N-Nitrosodiphenylamine	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
1,2-Diphenylhydrazine	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
4-Bromophenyl-phenylether	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Hexachlorobenzene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Pentachlorophenol	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
Phenanthrene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Anthracene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Di-n-Butylphthalate	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Fluoranthene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Pyrene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Butylbenzylphthalate	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
3,3-Dichlorobenzidine	20	UJ	ug/l		-		ug/l		20	U	ug/l	20	-		ug/l	
Benzo (a) anthracene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Chrysene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
bis(2-Ethylhexyl) phthalate	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Di-n-octylphthalate	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Benzo (b) fluoranthene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Benzo (k) fluoranthene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Benzo (a) pyrene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Indeno (1,2,3-cd) pyrene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Dibenzo (a,h) anthracene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Benzo (g,h,i) perylene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
2-Picoline	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
Methyl methanesulfonate	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Ethyl methanesulfonate	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Acetophenone	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
N-Nitrosopiperidine	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Phenyl-tert-butylamine	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
2,6-Dichlorophenol	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
N-Nitroso-di-n-butylamine	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
N-Nitrosodiethylamine	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
N-Nitrosopyrrolidine	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Benzidine	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
1,2,4,5-Tetrachlorobenzene	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
Pentachlorobenzene	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
1-Naphthylamine	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
2-Naphthylamine	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
2,3,4,6-Tetrachlorophenol	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Phenacetin	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
4-Aminobiphenyl	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
Pentachloronitrobenzene	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
Pronamide	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	

US Naval Station, Mayport, Florida
Analytical Results for Surface Water Samples Collected at SWMU 4

Lab Sample Number:		M7628002				M7629002				M7636005				M7638005			
Site		GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator		02SW032				02SW032				02SW033				02SW033			
Collect Date:		29-JUL-94				29-JUL-94				30-JUL-94				30-JUL-94			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
p-Dimethylaminoazobenzene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
7,12-Dimethylbenz(A)Anthracene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
3-Methylcholanthrene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Pyridine		50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
N-Nitrosomethylethylamine		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
N-Nitrosomorpholine		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
o-Toluidine		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Hexachloropropene		50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
p-Phenylenediamine		500	UJ	ug/l		-		ug/l		500	U	ug/l	500	-		ug/l	
Safrole		50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
Isosafrole		50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
1,4-Naphthoquinone		1000	U	ug/l	1000	-		ug/l		1000	U	ug/l	1000	-		ug/l	
1,3-Dinitrobenzene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
5-Nitro-o-toluidine		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
1,3,5-Trinitrobenzene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
4-Nitroquinoline-1-oxide		500	R	ug/l		-		ug/l		500	R	ug/l		-		ug/l	
Methapyrilene		50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
3,3-Dimethylbenzidine		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Hexachlorophene		500	R	ug/l		-		ug/l		500	R	ug/l		-		ug/l	
Aramite		50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
2-Chlorophenol		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
3- & 4-Methylphenol (2)		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Hexachloropropene		50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
2-Acetylaminofluorene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
PESTICIDES/PCBs	ug/l																
alpha-BHC		.02	U	ug/l	.02	-		ug/l		.02	U	ug/l	.02	-		ug/l	
beta-BHC		.04	U	ug/l	.04	-		ug/l		.04	U	ug/l	.04	-		ug/l	
delta-BHC		.02	U	ug/l	.02	-		ug/l		.02	U	ug/l	.02	-		ug/l	
gamma-BHC (Lindane)		.02	U	ug/l	.02	-		ug/l		.02	U	ug/l	.02	-		ug/l	
Heptachlor		.02	U	ug/l	.02	-		ug/l		.02	U	ug/l	.02	-		ug/l	
Aldrin		.02	U	ug/l	.02	-		ug/l		.02	U	ug/l	.02	-		ug/l	
Heptachlor epoxide		.02	U	ug/l	.02	-		ug/l		.02	U	ug/l	.02	-		ug/l	
Endosulfan I		.02	U	ug/l	.02	-		ug/l		.02	U	ug/l	.02	-		ug/l	
Dieldrin		.02	U	ug/l	.02	-		ug/l		.02	U	ug/l	.02	-		ug/l	
4,4-DDE		.02	U	ug/l	.02	-		ug/l		.02	U	ug/l	.02	-		ug/l	
Endrin		.04	U	ug/l	.04	-		ug/l		.04	U	ug/l	.04	-		ug/l	
Endosulfan II		.04	U	ug/l	.04	-		ug/l		.04	U	ug/l	.04	-		ug/l	
4,4-DDD		.04	U	ug/l	.04	-		ug/l		.04	U	ug/l	.04	-		ug/l	
Endosulfan sulfate		.04	U	ug/l	.04	-		ug/l		.04	U	ug/l	.04	-		ug/l	
4,4-DDT		.04	U	ug/l	.04	-		ug/l		.04	U	ug/l	.04	-		ug/l	
Methoxychlor		.08	U	ug/l	.08	-		ug/l		.08	U	ug/l	.08	-		ug/l	
Endrin aldehyde		.04	U	ug/l	.04	-		ug/l		.04	U	ug/l	.04	-		ug/l	
Endrin ketone		.04	U	ug/l	.04	-		ug/l		.04	U	ug/l	.04	-		ug/l	
Chlordane		.2	U	ug/l	.2	-		ug/l		.2	U	ug/l	.2	-		ug/l	
Chlorobenzilate		.5	U	ug/l	.5	-		ug/l		.5	U	ug/l	.5	-		ug/l	
Diallate		1	U	ug/l	1	-		ug/l		1	U	ug/l	1	-		ug/l	
Toxaphene		1	U	ug/l	1	-		ug/l		1	U	ug/l	1	-		ug/l	
Isodrin		.02	U	ug/l	.02	-		ug/l		.02	U	ug/l	.02	-		ug/l	
Kepone		1	U	ug/l	1	-		ug/l		1	U	ug/l	1	-		ug/l	
Aroclor-1016		1	U	ug/l	1	-		ug/l		1	U	ug/l	1	-		ug/l	
Aroclor-1221		2	U	ug/l	2	-		ug/l		2	U	ug/l	2	-		ug/l	

US Naval Station, Mayport, Florida
Analytical Results for Surface Water Samples Collected at SWMU 4

Lab Sample Number:		M7628002				M7629002				M7636005				M7638005			
Site		GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator		02SW032				02SW032				02SW033				02SW033			
Collect Date:		29-JUL-94				29-JUL-94				30-JUL-94				30-JUL-94			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Aroclor-1232		2	U	ug/l	2	-		ug/l		2	U	ug/l	2	-		ug/l	
Aroclor-1242		1	U	ug/l	1	-		ug/l		1	U	ug/l	1	-		ug/l	
Aroclor-1248		1	U	ug/l	1	-		ug/l		1	U	ug/l	1	-		ug/l	
Aroclor-1254		.5	U	ug/l	.5	-		ug/l		.5	U	ug/l	.5	-		ug/l	
Aroclor-1260		.5	U	ug/l	.5	-		ug/l		.5	U	ug/l	.5	-		ug/l	
INORGANICS (WATER)	ug/l																
Antimony		22.3	UJ	ug/l		-		ug/l		22.3	UJ	ug/l		-		ug/l	
Arsenic		15.1	J	ug/l		-		ug/l		12.9		ug/l		-		ug/l	
Barium		28.4	J	ug/l		-		ug/l		21.9	J	ug/l		-		ug/l	
Beryllium		.18	U	ug/l	.18	-		ug/l		.18	U	ug/l	.18	-		ug/l	
Cadmium		8.3		ug/l		-		ug/l		3	U	ug/l	3	-		ug/l	
Calcium		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Chromium		2	U	ug/l	2	-		ug/l		2	U	ug/l	2	-		ug/l	
Cobalt		2.7	U	ug/l	2.7	-		ug/l		2.7	U	ug/l	2.7	-		ug/l	
Copper		4	U	ug/l	4	-		ug/l		6.78	U	ug/l	6.78	-		ug/l	
Cyanide		3.1	U	ug/l	3.1	-		ug/l		3	U	ug/l	3	-		ug/l	
Iron		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Lead		20.5	UJ	ug/l		-		ug/l		20.5	UJ	ug/l		-		ug/l	
Magnesium		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Manganese		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Mercury		.14	J	ug/l		-		ug/l		.08	U	ug/l	.08	-		ug/l	
Nickel		8.6	J	ug/l		-		ug/l		7.3	U	ug/l	7.3	-		ug/l	
Selenium		15.3	J	ug/l		-		ug/l		13.2	UJ	ug/l		-		ug/l	
Silver		2.1	U	ug/l	2.1	-		ug/l		2.1	U	ug/l	2.1	-		ug/l	
Sodium		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Thallium		1.3	U	ug/l	1.3	-		ug/l		13	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		6.2	J	ug/l		-		ug/l		6.4	J	ug/l		-		ug/l	
Zinc		44.2		ug/l		-		ug/l		55.2		ug/l		-		ug/l	
GROUND WATER QUALITY	mg/l																
Alkalinity as CaCO3		-		mg/l		228		mg/l		-		mg/l		250		mg/l	
Ammonia-N		-		mg/l		.9		mg/l		-		mg/l		.5		mg/l	
Chloride		-		mg/l		12100		mg/l		-		mg/l		14400		mg/l	
Hardness as CaCO3		-		mg/l		3480		mg/l		-		mg/l		3260		mg/l	
Nitrate/Nitrite-N		-		mg/l		-		mg/l		-		mg/l		-		mg/l	
Oil and Grease		-		mg/l		-		mg/l		-		mg/l		-		mg/l	
Phosphorous-P, Total		-		mg/l		2.34		mg/l		-		mg/l		1.82		mg/l	
Sulfate		-		mg/l		844		mg/l		-		mg/l		728		mg/l	
Sulfide		-		mg/l		1.3		mg/l		-		mg/l		.8		mg/l	
Total Dissolved Solids		-		mg/l		-		mg/l		-		mg/l		-		mg/l	
Total Kjeldahl Nitrogen		-		mg/l		8.4		mg/l		-		mg/l		7.8		mg/l	
Total Organic Carbon		-		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.

US Naval Station, Mayport, Florida
Analytical Results for Surface Water Samples Collected at SWMU 4

Lab Sample Number:		M7636006			M7638006			M7637001			M7638012		
Site		GROUPI&II			GROUPI&II			GROUPI&II			GROUPI&II		
Locator		02SW034			02SW034			02SW038			02SW038		
Collect Date:		30-JUL-94			30-JUL-94			01-AUG-94			01-AUG-94		
		VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
VOLATILES	ug/l												
Chloromethane		10 U	ug/l	10	-	ug/l		10 U	ug/l	10	-	ug/l	
Bromomethane		10 U	ug/l	10	-	ug/l		10 U	ug/l	10	-	ug/l	
Vinyl chloride		10 U	ug/l	10	-	ug/l		10 U	ug/l	10	-	ug/l	
Chloroethane		10 U	ug/l	10	-	ug/l		10 U	ug/l	10	-	ug/l	
Methylene chloride		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
Acetone		24 U	ug/l	24	-	ug/l		18 U	ug/l	18	-	ug/l	
Carbon disulfide		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
1,1-Dichloroethane		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
1,1-Dichloroethene		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
1,2-Dichloroethene (total)		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
Chloroform		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
1,2-Dichloroethane		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
2-Butanone		10 U	ug/l	10	-	ug/l		10 U	ug/l	10	-	ug/l	
1,1,1-Trichloroethane		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
Carbon tetrachloride		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
Bromodichloromethane		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
1,2-Dichloropropane		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
cis-1,3-Dichloropropene		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
Trichloroethene		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
Dibromochloromethane		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
1,1,2-Trichloroethane		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
Benzene		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
trans-1,3-Dichloropropene		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
Bromoform		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
4-Methyl-2-pentanone		10 U	ug/l	10	-	ug/l		10 U	ug/l	10	-	ug/l	
2-Hexanone		10 U	ug/l	10	-	ug/l		10 U	ug/l	10	-	ug/l	
Tetrachloroethene		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
1,1,2,2-Tetrachloroethane		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
Toluene		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
Chlorobenzene		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
Ethylbenzene		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
Styrene		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
Xylenes (total)		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
Dichlorodifluoromethane		10 U	ug/l	10	-	ug/l		10 UJ	ug/l		-	ug/l	
Trichlorofluoromethane		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
1,3-Dichlorobenzene		5 U	ug/l	5	-	ug/l		10 U	ug/l	10	-	ug/l	
Acrolein		100 U	ug/l	100	-	ug/l		100 U	ug/l	100	-	ug/l	
Iodomethane		10 U	ug/l	10	-	ug/l		10 U	ug/l	10	-	ug/l	
1,4-Dichlorobenzene		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
Acrylonitrile		100 U	ug/l	100	-	ug/l		100 U	ug/l	100	-	ug/l	

US Naval Station, Mayport, Florida
Analytical Results for Surface Water Samples Collected at SWMU 4

Lab Sample Number:		M7636006				M7638006				M7637001				M7638012			
Site		GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator		02SW034				02SW034				02SW038				02SW038			
Collect Date:		30-JUL-94				30-JUL-94				01-AUG-94				01-AUG-94			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Dibromomethane		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
1,2-Dichlorobenzene		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
2-Chloroethylvinyl ether		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Ethyl methacrylate		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
1,2,3-Trichloropropane		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
trans-1,4-Dichloro-2-butene		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
Isobutyl alcohol		200	U	ug/l	200	-		ug/l		200	U	ug/l	200	-		ug/l	
1,1,1,2-Tetrachloroethane		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
1,2-Dibromo-3-chloropropane		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Ethylene dibromide		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
1,4-Dioxane		200	R	ug/l		-		ug/l		200	R	ug/l		-		ug/l	
3-Chloropropene		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
Acetonitrile		100	U	ug/l	100	-		ug/l		100	U	ug/l	100	-		ug/l	
Chloroprene		200	U	ug/l	200	-		ug/l		200	U	ug/l	200	-		ug/l	
Methacrylonitrile		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
Methyl methacrylate		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Pentachloroethane		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Propionitrile		100	U	ug/l	100	-		ug/l		100	U	ug/l	100	-		ug/l	
Vinyl acetate		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
SEMIVOLATILES	ug/l																
N-Nitrosodimethylamine		10	UJ	ug/l		-		ug/l		10	U	ug/l	10	-		ug/l	
Phenol		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Aniline		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
bis(2-Chloroethyl) ether		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Benzyl Alcohol		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
2-Methylphenol		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
bis(2-Chloroisopropyl) ether		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
N-Nitroso-di-n-propylamine		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Hexachloroethane		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Nitrobenzene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Isophorone		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
2-Nitrophenol		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
2,4-Dimethylphenol		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Benzoic acid		50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
bis(2-Chloroethoxy) methane		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
2,4-Dichlorophenol		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
1,2,4-Trichlorobenzene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Naphthalene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
4-Chloroaniline		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Hexachlorobutadiene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
4-Chloro-3-methylphenol		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
2-Methylnaphthalene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Hexachlorocyclopentadiene		10	U	ug/l	10	-		ug/l		10	UJ	ug/l		-		ug/l	
2,4,6-Trichlorophenol		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Dimethylphthalate		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
2,4,5-Trichlorophenol		50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
2-Chloronaphthalene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
2-Nitroaniline		50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
Acenaphthylene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
2,6-Dinitrotoluene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
3-Nitroaniline		50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	

US Naval Station, Mayport, Florida
Analytical Results for Surface Water Samples Collected at SWMU 4

Lab Sample Number:	M7636006				M7638006				M7637001				M7638012			
Site	GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator	02SW034				02SW034				02SW038				02SW038			
Collect Date:	30-JUL-94				30-JUL-94				01-AUG-94				01-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Acenaphthene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
2,4-Dinitrophenol	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
4-Nitrophenol	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
Dibenzofuran	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
2,4-Dinitrotoluene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Diethylphthalate	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
4-Chlorophenyl-phenylether	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Fluorene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
4-Nitroaniline	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
4,6-Dinitro-2-methylphenol	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
N-Nitrosodiphenylamine	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
1,2-Diphenylhydrazine	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
4-Bromophenyl-phenylether	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Hexachlorobenzene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Pentachlorophenol	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
Phenanthrene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Anthracene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Di-n-Butylphthalate	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Fluoranthene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Pyrene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Butylbenzylphthalate	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
3,3-Dichlorobenzidine	20	U	ug/l	20	-		ug/l		20	U	ug/l	20	-		ug/l	
Benzo (a) anthracene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Chrysene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
bis(2-Ethylhexyl) phthalate	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Di-n-octylphthalate	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Benzo (b) fluoranthene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Benzo (k) fluoranthene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Benzo (a) pyrene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Indeno (1,2,3-cd) pyrene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Dibenzo (a,h) anthracene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Benzo (g,h,i) perylene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
2-Picoline	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
Methyl methanesulfonate	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Ethyl methanesulfonate	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Acetophenone	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
N-Nitrosopiperidine	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Phenyl-tert-butylamine	50	UJ	ug/l		-		ug/l		50	U	ug/l	50	-		ug/l	
2,6-Dichlorophenol	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
N-Nitroso-di-n-butylamine	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
N-Nitrosodiethylamine	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
N-Nitrosopyrrolidine	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Benzidine	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
1,2,4,5-Tetrachlorobenzene	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
Pentachlorobenzene	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
1-Naphthylamine	50	UJ	ug/l		-		ug/l		50	U	ug/l	50	-		ug/l	
2-Naphthylamine	50	UJ	ug/l		-		ug/l		50	U	ug/l	50	-		ug/l	
2,3,4,6-Tetrachlorophenol	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Phenacetin	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
4-Aminobiphenyl	50	UJ	ug/l		-		ug/l		50	U	ug/l	50	-		ug/l	
Pentachloronitrobenzene	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
Pronamide	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	

US Naval Station, Mayport, Florida
Analytical Results for Surface Water Samples Collected at SWMU 4

Lab Sample Number:		M7636006				M7638006				M7637001				M7638012		
Site		GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II		
Locator		02SW034				02SW034				02SW038				02SW038		
Collect Date:		30-JUL-94				30-JUL-94				01-AUG-94				01-AUG-94		
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
p-Dimethylaminoazobenzene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
7,12-Dimethylbenz(A)Anthracene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
3-Methylcholanthrene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Pyridine		50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
N-Nitrosomethylethylamine		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
N-Nitrosomorpholine		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
o-Toluidine		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Hexachloropropene		50	UJ	ug/l		-		ug/l		50	U	ug/l	50	-		ug/l	
p-Phenylenediamine		500	UJ	ug/l		-		ug/l		500	UJ	ug/l		-		ug/l	
Safrole		50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
Isosafrole		50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
1,4-Naphthoquinone		1000	U	ug/l	1000	-		ug/l		1000	U	ug/l	1000	-		ug/l	
1,3-Dinitrobenzene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
5-Nitro-o-toluidine		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
1,3,5-Trinitrobenzene		10	UJ	ug/l		-		ug/l		10	U	ug/l	10	-		ug/l	
4-Nitroquinoline-1-oxide		500	R	ug/l		-		ug/l		500	R	ug/l		-		ug/l	
Methapyrilene		50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
3,3-Dimethylbenzidine		10	UJ	ug/l		-		ug/l		10	U	ug/l	10	-		ug/l	
Hexachlorophene		500	R	ug/l		-		ug/l		500	R	ug/l		-		ug/l	
Aramite		50	UJ	ug/l		-		ug/l		50	U	ug/l	50	-		ug/l	
2-Chlorophenol		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
3- & 4-Methylphenol (2)		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Hexachloropropene		50	UJ	ug/l		-		ug/l		50	U	ug/l	50	-		ug/l	
2-Acetylaminofluorene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
PESTICIDES/PCBs	ug/l																
alpha-BHC		.02	U	ug/l	.02	-		ug/l		.02	U	ug/l	.02	-		ug/l	
beta-BHC		.04	U	ug/l	.04	-		ug/l		.04	U	ug/l	.04	-		ug/l	
delta-BHC		.02	U	ug/l	.02	-		ug/l		.02	U	ug/l	.02	-		ug/l	
gamma-BHC (Lindane)		.02	U	ug/l	.02	-		ug/l		.02	U	ug/l	.02	-		ug/l	
Heptachlor		.02	U	ug/l	.02	-		ug/l		.02	U	ug/l	.02	-		ug/l	
Aldrin		.02	U	ug/l	.02	-		ug/l		.02	U	ug/l	.02	-		ug/l	
Heptachlor epoxide		.02	U	ug/l	.02	-		ug/l		.02	U	ug/l	.02	-		ug/l	
Endosulfan I		.02	U	ug/l	.02	-		ug/l		.02	U	ug/l	.02	-		ug/l	
Dieldrin		.02	U	ug/l	.02	-		ug/l		.02	U	ug/l	.02	-		ug/l	
4,4-DDE		.02	U	ug/l	.02	-		ug/l		.02	U	ug/l	.02	-		ug/l	
Endrin		.04	U	ug/l	.04	-		ug/l		.04	U	ug/l	.04	-		ug/l	
Endosulfan II		.04	U	ug/l	.04	-		ug/l		.04	U	ug/l	.04	-		ug/l	
4,4-DDD		.04	U	ug/l	.04	-		ug/l		.04	U	ug/l	.04	-		ug/l	
Endosulfan sulfate		.04	U	ug/l	.04	-		ug/l		.04	U	ug/l	.04	-		ug/l	
4,4-DDT		.04	U	ug/l	.04	-		ug/l		.04	U	ug/l	.04	-		ug/l	
Methoxychlor		.08	U	ug/l	.08	-		ug/l		.08	U	ug/l	.08	-		ug/l	
Endrin aldehyde		.04	U	ug/l	.04	-		ug/l		.04	U	ug/l	.04	-		ug/l	
Endrin ketone		.04	U	ug/l	.04	-		ug/l		.04	U	ug/l	.04	-		ug/l	
Chlordane		.2	U	ug/l	.2	-		ug/l		.2	U	ug/l	.2	-		ug/l	
Chlorobenzilate		.5	U	ug/l	.5	-		ug/l		.5	U	ug/l	.5	-		ug/l	
Diallate		1	U	ug/l	1	-		ug/l		1	U	ug/l	1	-		ug/l	
Toxaphene		1	U	ug/l	1	-		ug/l		1	U	ug/l	1	-		ug/l	
Isodrin		.02	U	ug/l	.02	-		ug/l		.02	U	ug/l	.02	-		ug/l	
Kepone		1	U	ug/l	1	-		ug/l		1	U	ug/l	1	-		ug/l	
Aroclor-1016		1	U	ug/l	1	-		ug/l		1	U	ug/l	1	-		ug/l	
Aroclor-1221		2	U	ug/l	2	-		ug/l		2	U	ug/l	2	-		ug/l	

US Naval Station, Mayport, Florida
Analytical Results for Surface Water Samples Collected at SWMU 4

Lab Sample Number:		M7636006				M7638006				M7637001				M7638012		
Site		GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II		
Locator		02SW034				02SW034				02SW038				02SW038		
Collect Date:		30-JUL-94				30-JUL-94				01-AUG-94				01-AUG-94		
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Aroclor-1232		2	U	ug/l	2	-		ug/l		2	U	ug/l	2	-		ug/l	
Aroclor-1242		1	U	ug/l	1	-		ug/l		1	U	ug/l	1	-		ug/l	
Aroclor-1248		1	U	ug/l	1	-		ug/l		1	U	ug/l	1	-		ug/l	
Aroclor-1254		.5	U	ug/l	.5	-		ug/l		.5	U	ug/l	.5	-		ug/l	
Aroclor-1260		.5	U	ug/l	.5	-		ug/l		.5	U	ug/l	.5	-		ug/l	
INORGANICS (WATER)	ug/l																
Antimony		22.3	UJ	ug/l		-		ug/l		22.3	UJ	ug/l		-		ug/l	
Arsenic		12.9		ug/l		-		ug/l		5.7	J	ug/l		-		ug/l	
Barium		23.6	J	ug/l		-		ug/l		31.2	J	ug/l		-		ug/l	
Beryllium		.18	U	ug/l	.18	-		ug/l		.21	J	ug/l		-		ug/l	
Cadmium		3	U	ug/l	3	-		ug/l		5.9	J	ug/l		-		ug/l	
Calcium		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Chromium		2	U	ug/l	2	-		ug/l		2	U	ug/l	2	-		ug/l	
Cobalt		2.7	U	ug/l	2.7	-		ug/l		2.7	UJ	ug/l		-		ug/l	
Copper		16.8	U	ug/l	16.8	-		ug/l		14.5	J	ug/l		-		ug/l	
Cyanide		2.3	U	ug/l	2.3	-		ug/l		.42	J	ug/l		-		ug/l	
Iron		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Lead		20.5	UJ	ug/l		-		ug/l		47.5	J	ug/l		-		ug/l	
Magnesium		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Manganese		-		ug/l		-		ug/l		-		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	UJ	ug/l		-		ug/l	
Selenium		13.2	UJ	ug/l		-		ug/l		14.1	J	ug/l		-		ug/l	
Silver		2.1	U	ug/l	2.1	-		ug/l		3.3	U	ug/l	3.3	-		ug/l	
Sodium		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Thallium		13	UJ	ug/l		-		ug/l		13	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		3.7	J	ug/l		-		ug/l		1.7	U	ug/l	1.7	-		ug/l	
Zinc		75.1		ug/l		-		ug/l		24		ug/l		-		ug/l	
GROUND WATER QUALITY	mg/l																
Alkalinity as CaCO3		-		mg/l		215		mg/l		-		mg/l		459		mg/l	
Ammonia-N		-		mg/l		.4		mg/l		-		mg/l		.7		mg/l	
Chloride		-		mg/l		12900		mg/l		-		mg/l		17300		mg/l	
Hardness as CaCO3		-		mg/l		3300		mg/l		-		mg/l		3380		mg/l	
Nitrate/Nitrite-N		-		mg/l		-		mg/l		-		mg/l		-		mg/l	
Oil and Grease		-		mg/l		-		mg/l		-		mg/l		-		mg/l	
Phosphorous-P, Total		-		mg/l		2.1		mg/l		-		mg/l		3.63		mg/l	
Sulfate		-		mg/l		632		mg/l		-		mg/l		2060		mg/l	
Sulfide		-		mg/l		.9		mg/l		-		mg/l		.2		mg/l	
Total Dissolved Solids		-		mg/l		-		mg/l		-		mg/l		-		mg/l	
Total Kjeldahl Nitrogen		-		mg/l		8.6		mg/l		-		mg/l		22.5		mg/l	
Total Organic Carbon		-		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.

US Naval Station, Mayport, Florida
Analytical Results for Surface Water Samples Collected at SWMU 4

Lab Sample Number:		M7637002			M7628003			M7629003			MB980003		
Site		GROUPI&II			GROUPI&II			GROUPI&II			GROUPI&II		
Locator		02SW038D			02SW039			02SW039			02W020		
Collect Date:		01-AUG-94			29-JUL-94			29-JUL-94			01-OCT-96		
		VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
VOLATILES	ug/l												
Chloromethane		10 U	ug/l	10	10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Bromomethane		10 U	ug/l	10	10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Vinyl chloride		10 U	ug/l	10	10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Chloroethane		10 U	ug/l	10	10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Methylene chloride		5 U	ug/l	5	5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Acetone		20 U	ug/l	20	10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Carbon disulfide		5 U	ug/l	5	1 J	ug/l		-	ug/l		5 U	ug/l	5
1,1-Dichloroethane		5 U	ug/l	5	5 U	ug/l	5	-	ug/l		5 U	ug/l	5
1,1-Dichloroethene		5 U	ug/l	5	5 U	ug/l	5	-	ug/l		5 U	ug/l	5
1,2-Dichloroethene (total)		5 U	ug/l	5	5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Chloroform		5 U	ug/l	5	5 U	ug/l	5	-	ug/l		5 U	ug/l	5
1,2-Dichloroethane		5 U	ug/l	5	5 U	ug/l	5	-	ug/l		5 U	ug/l	5
2-Butanone		10 U	ug/l	10	10 U	ug/l	10	-	ug/l		10 U	ug/l	10
1,1,1-Trichloroethane		5 U	ug/l	5	5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Carbon tetrachloride		5 U	ug/l	5	5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Bromodichloromethane		5 U	ug/l	5	5 U	ug/l	5	-	ug/l		5 U	ug/l	5
1,2-Dichloropropane		5 U	ug/l	5	5 U	ug/l	5	-	ug/l		5 U	ug/l	5
cis-1,3-Dichloropropene		5 U	ug/l	5	5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Trichloroethene		5 U	ug/l	5	5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Dibromochloromethane		5 U	ug/l	5	5 U	ug/l	5	-	ug/l		5 U	ug/l	5
1,1,2-Trichloroethane		5 U	ug/l	5	5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Benzene		5 U	ug/l	5	4 J	ug/l		-	ug/l		5 U	ug/l	5
trans-1,3-Dichloropropene		5 U	ug/l	5	5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Bromoform		5 U	ug/l	5	5 U	ug/l	5	-	ug/l		5 U	ug/l	5
4-Methyl-2-pentanone		10 U	ug/l	10	10 U	ug/l	10	-	ug/l		10 U	ug/l	10
2-Hexanone		10 U	ug/l	10	10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Tetrachloroethene		5 U	ug/l	5	5 U	ug/l	5	-	ug/l		5 U	ug/l	5
1,1,2,2-Tetrachloroethane		5 U	ug/l	5	5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Toluene		5 U	ug/l	5	5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Chlorobenzene		5 U	ug/l	5	11	ug/l		-	ug/l		5 U	ug/l	5
Ethylbenzene		5 U	ug/l	5	5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Styrene		5 U	ug/l	5	5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Xylenes (total)		5 U	ug/l	5	5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Dichlorodifluoromethane		10 UJ	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Trichlorofluoromethane		5 U	ug/l	5	5 U	ug/l	5	-	ug/l		5 U	ug/l	5
1,3-Dichlorobenzene		5 U	ug/l	5	5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Acrolein		100 U	ug/l	100	100 U	ug/l	100	-	ug/l		100 U	ug/l	100
Iodomethane		10 U	ug/l	10	10 U	ug/l	10	-	ug/l		10 U	ug/l	10
1,4-Dichlorobenzene		5 U	ug/l	5	2 J	ug/l		-	ug/l		5 U	ug/l	5
Acrylonitrile		100 U	ug/l	100	100 U	ug/l	100	-	ug/l		100 U	ug/l	100

US Naval Station, Mayport, Florida
Analytical Results for Surface Water Samples Collected at SWMU 4

Lab Sample Number:		M7637002				M7628003				M7629003				MB980003			
Site		GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator		02SW038D				02SW039				02SW039				02W020			
Collect Date:		01-AUG-94				29-JUL-94				29-JUL-94				01-OCT-96			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Dibromomethane		5	U	ug/l	5	5	U	ug/l	5	-		ug/l		5	U	ug/l	5
1,2-Dichlorobenzene		5	U	ug/l	5	5	U	ug/l	5	-		ug/l		10	U	ug/l	10
2-Chloroethylvinyl ether		10	U	ug/l	10	10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Ethyl methacrylate		5	U	ug/l	5	5	U	ug/l	5	-		ug/l		5	U	ug/l	5
1,2,3-Trichloropropane		5	U	ug/l	5	5	U	ug/l	5	-		ug/l		5	U	ug/l	5
trans-1,4-Dichloro-2-butene		5	U	ug/l	5	5	U	ug/l	5	-		ug/l		5	U	ug/l	5
Isobutyl alcohol		200	U	ug/l	200	200	U	ug/l	200	-		ug/l		200	R	ug/l	200
1,1,1,2-Tetrachloroethane		5	U	ug/l	5	5	U	ug/l	5	-		ug/l		5	U	ug/l	5
1,2-Dibromo-3-chloropropane		10	U	ug/l	10	10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Ethylene dibromide		5	U	ug/l	5	5	U	ug/l	5	-		ug/l		5	U	ug/l	5
1,4-Dioxane		200	R	ug/l		200	R	ug/l		-		ug/l		200	R	ug/l	200
3-Chloropropene		5	U	ug/l	5	5	U	ug/l	5	-		ug/l		5	U	ug/l	5
Acetonitrile		100	U	ug/l	100	100	U	ug/l	100	-		ug/l		100	U	ug/l	100
Chloroprene		200	U	ug/l	200	200	U	ug/l	200	-		ug/l		5	U	ug/l	5
Methacrylonitrile		5	U	ug/l	5	5	U	ug/l	5	-		ug/l		5	U	ug/l	5
Methyl methacrylate		10	U	ug/l	10	10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Pentachloroethane		10	U	ug/l	10	10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Propionitrile		100	U	ug/l	100	100	U	ug/l	100	-		ug/l		100	U	ug/l	100
Vinyl acetate		10	U	ug/l	10	10	U	ug/l	10	-		ug/l		10	U	ug/l	10
SEMIVOLATILES	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
Benzyl Alcohol		10	U	ug/l	10	10	U	ug/l	10	-		ug/l		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	UJ	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	U	ug/l	10	10	U	ug/l	10	-		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	UJ	ug/l		10	UJ	ug/l		-		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

US Naval Station, Mayport, Florida
Analytical Results for Surface Water Samples Collected at SWMU 4

Lab Sample Number:	M7637002				M7628003				M7629003				MB980003			
Site	GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator	02SW038D				02SW039				02SW039				02W020			
Collect Date:	01-AUG-94				29-JUL-94				29-JUL-94				01-OCT-96			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Acenaphthene	10	U	ug/l	10	10	U	ug/l	10	-		ug/l		10	U	ug/l	10
2,4-Dinitrophenol	50	U	ug/l	50	50	UJ	ug/l		-		ug/l		50	U	ug/l	50
4-Nitrophenol	50	U	ug/l	50	50	U	ug/l	50	-		ug/l		50	U	ug/l	50
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	UJ	ug/l		-		ug/l		50	U	ug/l	50
N-Nitrosodiphenylamine	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
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	UJ	ug/l		-		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
Dibenzo (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	U	ug/l	10	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	U	ug/l	50	50	U	ug/l	50	-		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	U	ug/l	50	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	U	ug/l	10	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

US Naval Station, Mayport, Florida
Analytical Results for Surface Water Samples Collected at SWMU 4

Lab Sample Number:		M7637002				M7628003				M7629003				MB980003			
Site		GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator		02SW038D				02SW039				02SW039				02W020			
Collect Date:		01-AUG-94				29-JUL-94				29-JUL-94				01-OCT-96			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
p-Dimethylaminoazobenzene		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	UJ	ug/l		500	UJ	ug/l		-		ug/l		500	U	ug/l	500
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	U	ug/l	10	10	U	ug/l	10	-		ug/l		10	U	ug/l	10
4-Nitroquinoline-1-oxide		500	R	ug/l		500	R	ug/l		-		ug/l		500	U	ug/l	500
Methapyrilene		50	U	ug/l	50	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	R	ug/l		-		ug/l		500	R	ug/l	500
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	4	J	ug/l		-		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
2-Acetylaminofluorene		10	U	ug/l	10	10	U	ug/l	10	-		ug/l		10	U	ug/l	10
PESTICIDES/PCBs	ug/l																
alpha-BHC		.02	U	ug/l	.02	.02	U	ug/l	.02	-		ug/l		.02	UJ	ug/l	.02
beta-BHC		.04	U	ug/l	.04	.04	U	ug/l	.04	-		ug/l		.04	UJ	ug/l	.04
delta-BHC		.02	U	ug/l	.02	.02	U	ug/l	.02	-		ug/l		.02	UJ	ug/l	.02
gamma-BHC (Lindane)		.02	U	ug/l	.02	.02	U	ug/l	.02	-		ug/l		.02	UJ	ug/l	.02
Heptachlor		.02	U	ug/l	.02	.02	U	ug/l	.02	-		ug/l		.02	UJ	ug/l	.02
Aldrin		.02	U	ug/l	.02	.02	U	ug/l	.02	-		ug/l		.02	UJ	ug/l	.02
Heptachlor epoxide		.02	U	ug/l	.02	.02	U	ug/l	.02	-		ug/l		.02	UJ	ug/l	.02
Endosulfan I		.02	U	ug/l	.02	.02	U	ug/l	.02	-		ug/l		.02	UJ	ug/l	.02
Dieldrin		.02	U	ug/l	.02	.02	U	ug/l	.02	-		ug/l		.02	UJ	ug/l	.02
4,4-DDE		.02	U	ug/l	.02	.02	U	ug/l	.02	-		ug/l		.02	UJ	ug/l	.02
Endrin		.04	U	ug/l	.04	.04	U	ug/l	.04	-		ug/l		.04	UJ	ug/l	.04
Endosulfan II		.04	U	ug/l	.04	.04	U	ug/l	.04	-		ug/l		.04	UJ	ug/l	.04
4,4-DDD		.04	U	ug/l	.04	.04	U	ug/l	.04	-		ug/l		.04	UJ	ug/l	.04
Endosulfan sulfate		.04	U	ug/l	.04	.04	U	ug/l	.04	-		ug/l		.04	UJ	ug/l	.04
4,4-DDT		.04	U	ug/l	.04	.04	U	ug/l	.04	-		ug/l		.04	UJ	ug/l	.04
Methoxychlor		.08	U	ug/l	.08	.08	U	ug/l	.08	-		ug/l		.08	UJ	ug/l	.08
Endrin aldehyde		.04	U	ug/l	.04	.04	U	ug/l	.04	-		ug/l		.04	UJ	ug/l	.04
Endrin ketone		.04	U	ug/l	.04	.04	U	ug/l	.04	-		ug/l		.04	UJ	ug/l	.04
Chlordane		.2	U	ug/l	.2	.2	U	ug/l	.2	-		ug/l		.2	UJ	ug/l	.2
Chlorobenzilate		.5	U	ug/l	.5	.5	U	ug/l	.5	-		ug/l		.5	UJ	ug/l	.5
Diallate		1	U	ug/l	1	1	U	ug/l	1	-		ug/l		1	UJ	ug/l	1
Toxaphene		1	U	ug/l	1	1	U	ug/l	1	-		ug/l		1	UJ	ug/l	1
Isodrin		.02	U	ug/l	.02	.02	U	ug/l	.02	-		ug/l		.02	UJ	ug/l	.02
Kepone		1	U	ug/l	1	1	U	ug/l	1	-		ug/l		1	UJ	ug/l	1
Aroclor-1016		1	U	ug/l	1	1	U	ug/l	1	-		ug/l		1	UJ	ug/l	1
Aroclor-1221		2	U	ug/l	2	2	U	ug/l	2	-		ug/l		2	UJ	ug/l	2

US Naval Station, Mayport, Florida
Analytical Results for Surface Water Samples Collected at SWMU 4

Lab Sample Number:		M7637002				M7628003				M7629003				MB980003			
Site		GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator		02SW038D				02SW039				02SW039				02W020			
Collect Date:		01-AUG-94				29-JUL-94				29-JUL-94				01-OCT-96			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Aroclor-1232		2	U	ug/l	2	2	U	ug/l	2	-		ug/l		2	UJ	ug/l	2
Aroclor-1242		1	U	ug/l	1	1	U	ug/l	1	-		ug/l		1	UJ	ug/l	1
Aroclor-1248		1	U	ug/l	1	1	U	ug/l	1	-		ug/l		1	UJ	ug/l	1
Aroclor-1254		.5	U	ug/l	.5	.5	U	ug/l	.5	-		ug/l		.5	UJ	ug/l	.5
Aroclor-1260		.5	U	ug/l	.5	.5	U	ug/l	.5	-		ug/l		.5	UJ	ug/l	.5
INORGANICS (WATER)	ug/l																
Antimony		22.3	UJ	ug/l		3	J	ug/l		-		ug/l		3.4	U	ug/l	3.4
Arsenic		2.6	J	ug/l		3.4	J	ug/l		-		ug/l		5.2	U	ug/l	5.2
Barium		36.1	J	ug/l		28.4	J	ug/l		-		ug/l		19.1	J	ug/l	.18
Beryllium		.18	U	ug/l	.18	.18	U	ug/l	.18	-		ug/l		.11	U	ug/l	.11
Cadmium		3	UJ	ug/l		3	U	ug/l	3	-		ug/l		.38	U	ug/l	.38
Calcium		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Chromium		2	U	ug/l	2	2	U	ug/l	2	-		ug/l		27.8		ug/l	.34
Cobalt		2.7	UJ	ug/l		2.7	U	ug/l	2.7	-		ug/l		.67	UJ	ug/l	.67
Copper		8	J	ug/l		4	U	ug/l	4	-		ug/l		28.6	UJ	ug/l	28.6
Cyanide		.32	U	ug/l	.32	2.5	U	ug/l	2.5	-		ug/l		.88	UJ	ug/l	.88
Iron		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Lead		2	U	ug/l	2	2	U	ug/l	2	-		ug/l		1.8	U	ug/l	1.8
Magnesium		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Manganese		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Mercury		.08	U	ug/l	.08	.27		ug/l		-		ug/l		.01	U	ug/l	.01
Nickel		13.8	J	ug/l		7.3	U	ug/l	7.3	-		ug/l		2.7	UJ	ug/l	2.7
Selenium		31.1	J	ug/l		1.9	J	ug/l		-		ug/l		12		ug/l	3.9
Silver		2.1	U	ug/l	2.1	2.1	U	ug/l	2.1	-		ug/l		.85	U	ug/l	.85
Sodium		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Thallium		13	UJ	ug/l		1.3	U	ug/l	1.3	-		ug/l		1.9	U	ug/l	1.9
Tin		11.9	J	ug/l		9.4	U	ug/l	9.4	-		ug/l		243		ug/l	6.8
Vanadium		1.7	U	ug/l	1.7	3.2	J	ug/l		-		ug/l		8.6	J	ug/l	.59
Zinc		24.6		ug/l		32.8		ug/l		-		ug/l		25.9	UJ	ug/l	25.9
GROUND WATER QUALITY	mg/l																
Alkalinity as CaCO3		-		mg/l		-		mg/l		548		mg/l		-		mg/l	
Ammonia-N		-		mg/l		-		mg/l		18.4		mg/l		-		mg/l	
Chloride		-		mg/l		-		mg/l		2140		mg/l		-		mg/l	
Hardness as CaCO3		-		mg/l		-		mg/l		951		mg/l		-		mg/l	
Nitrate/Nitrite-N		-		mg/l		-		mg/l		-		mg/l		-		mg/l	
Oil and Grease		-		mg/l		-		mg/l		-		mg/l		-		mg/l	
Phosphorous-P, Total		-		mg/l		-		mg/l		1.36		mg/l		-		mg/l	
Sulfate		-		mg/l		-		mg/l		648		mg/l		-		mg/l	
Sulfide		-		mg/l		-		mg/l		7.2		mg/l		-		mg/l	
Total Dissolved Solids		-		mg/l		-		mg/l		-		mg/l		-		mg/l	
Total Kjeldahl Nitrogen		-		mg/l		-		mg/l		17.2		mg/l		-		mg/l	
Total Organic Carbon		-		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 ARE GENERATED FROM THE SVOC (8270) ANALYTICAL RUN.

US Naval Station, Mayport, Florida
Analytical Results for Surface Water Samples Collected at SWMU 4

Lab Sample Number:		MB981002			MB980004			MC030001			MC032002		
Site		GROUPI&II			GROUPI&II			GROUPI&II			GROUPI&II		
Locator		02W020			02W020D			02W026			02W026		
Collect Date:		01-OCT-96			01-OCT-96			03-OCT-96			03-OCT-96		
		VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
VOLATILES	ug/l												
Chloromethane		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Bromomethane		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Vinyl chloride		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Chloroethane		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Methylene chloride		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Acetone		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Carbon disulfide		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
1,1-Dichloroethane		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
1,1-Dichloroethene		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
1,2-Dichloroethene (total)		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Chloroform		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
1,2-Dichloroethane		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
2-Butanone		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
1,1,1-Trichloroethane		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Carbon tetrachloride		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Bromodichloromethane		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
1,2-Dichloropropane		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
cis-1,3-Dichloropropene		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Trichloroethene		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Dibromochloromethane		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
1,1,2-Trichloroethane		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Benzene		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
trans-1,3-Dichloropropene		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Bromoform		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
4-Methyl-2-pentanone		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
2-Hexanone		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Tetrachloroethene		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
1,1,2,2-Tetrachloroethane		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Toluene		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Chlorobenzene		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Ethylbenzene		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Styrene		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Xylenes (total)		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Dichlorodifluoromethane		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Trichlorofluoromethane		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
1,3-Dichlorobenzene		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Acrolein		-	ug/l		100 U	ug/l	100	-	ug/l		100 U	ug/l	100
Iodomethane		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
1,4-Dichlorobenzene		-	ug/l		10 U	ug/l	10	-	ug/l		5 U	ug/l	5
Acrylonitrile		-	ug/l		100 U	ug/l	100	-	ug/l		100 U	ug/l	100

US Naval Station, Mayport, Florida
Analytical Results for Surface Water Samples Collected at SWMU 4

Lab Sample Number:		MB981002			MB980004			MC030001			MC032002		
Site		GROUPI&II			GROUPI&II			GROUPI&II			GROUPI&II		
Locator		02W020			02W020D			02W026			02W026		
Collect Date:		01-OCT-96			01-OCT-96			03-OCT-96			03-OCT-96		
		VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
Dibromomethane		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
1,2-Dichlorobenzene		-	ug/l		5 U	ug/l	5	-	ug/l		10 U	ug/l	10
2-Chloroethylvinyl ether		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Ethyl methacrylate		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
1,2,3-Trichloropropane		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
trans-1,4-Dichloro-2-butene		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Isobutyl alcohol		-	ug/l		200 R	ug/l	200	-	ug/l		200 R	ug/l	200
1,1,1,2-Tetrachloroethane		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
1,2-Dibromo-3-chloropropane		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Ethylene dibromide		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
1,4-Dioxane		-	ug/l		200 R	ug/l	200	-	ug/l		200 R	ug/l	200
3-Chloropropene		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Acetonitrile		-	ug/l		100 U	ug/l	100	-	ug/l		100 U	ug/l	100
Chloroprene		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Methacrylonitrile		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Methyl methacrylate		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Pentachloroethane		-	ug/l		10 U	ug/l	10	-	ug/l		10 UJ	ug/l	10
Propionitrile		-	ug/l		100 U	ug/l	100	-	ug/l		100 U	ug/l	100
Vinyl acetate		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
SEMIVOLATILES	ug/l												
N-Nitrosodimethylamine		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Phenol		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Aniline		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
bis(2-Chloroethyl) ether		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Benzyl Alcohol		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
2-Methylphenol		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
bis(2-Chloroisopropyl) ether		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
N-Nitroso-di-n-propylamine		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Hexachloroethane		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Nitrobenzene		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Isophorone		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
2-Nitrophenol		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
2,4-Dimethylphenol		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Benzoic acid		-	ug/l		50 UJ	ug/l	50	-	ug/l		50 UJ	ug/l	50
bis(2-Chloroethoxy) methane		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
2,4-Dichlorophenol		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
1,2,4-Trichlorobenzene		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Naphthalene		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
4-Chloroaniline		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Hexachlorobutadiene		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
4-Chloro-3-methylphenol		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
2-Methylnaphthalene		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Hexachlorocyclopentadiene		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
2,4,6-Trichlorophenol		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Dimethylphthalate		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
2,4,5-Trichlorophenol		-	ug/l		50 U	ug/l	50	-	ug/l		50 U	ug/l	50
2-Chloronaphthalene		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
2-Nitroaniline		-	ug/l		50 U	ug/l	50	-	ug/l		50 U	ug/l	50
Acenaphthylene		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
2,6-Dinitrotoluene		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
3-Nitroaniline		-	ug/l		50 U	ug/l	50	-	ug/l		50 U	ug/l	50

US Naval Station, Mayport, Florida
Analytical Results for Surface Water Samples Collected at SWMU 4

Lab Sample Number:	MB981002				MB980004				MC030001				MC032002			
Site	GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator	02W020				02W020D				02W026				02W026			
Collect Date:	01-OCT-96				01-OCT-96				03-OCT-96				03-OCT-96			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Acenaphthene	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
2,4-Dinitrophenol	-		ug/l		50	U	ug/l	50	-		ug/l		50	U	ug/l	50
4-Nitrophenol	-		ug/l		50	U	ug/l	50	-		ug/l		50	U	ug/l	50
Dibenzofuran	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
2,4-Dinitrotoluene	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Diethylphthalate	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
4-Chlorophenyl-phenylether	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Fluorene	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
4-Nitroaniline	-		ug/l		50	U	ug/l	50	-		ug/l		50	U	ug/l	50
4,6-Dinitro-2-methylphenol	-		ug/l		50	U	ug/l	50	-		ug/l		50	U	ug/l	50
N-Nitrosodiphenylamine	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
1,2-Diphenylhydrazine	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
4-Bromophenyl-phenylether	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Hexachlorobenzene	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Pentachlorophenol	-		ug/l		50	U	ug/l	50	-		ug/l		50	U	ug/l	50
Phenanthrene	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Anthracene	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Di-n-Butylphthalate	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Fluoranthene	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Pyrene	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Butylbenzylphthalate	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
3,3-Dichlorobenzidine	-		ug/l		20	U	ug/l	20	-		ug/l		20	U	ug/l	20
Benzo (a) anthracene	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Chrysene	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
bis(2-Ethylhexyl) phthalate	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Di-n-octylphthalate	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Benzo (b) fluoranthene	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Benzo (k) fluoranthene	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Benzo (a) pyrene	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Indeno (1,2,3-cd) pyrene	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Dibenzo (a,h) anthracene	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Benzo (g,h,i) perylene	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
2-Picoline	-		ug/l		50	U	ug/l	50	-		ug/l		50	U	ug/l	50
Methyl methanesulfonate	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Ethyl methanesulfonate	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Acetophenone	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
N-Nitrosopiperidine	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Phenyl-tert-butylamine	-		ug/l		50	U	ug/l	50	-		ug/l		50	U	ug/l	50
2,6-Dichlorophenol	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
N-Nitroso-di-n-butylamine	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
N-Nitrosodiethylamine	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
N-Nitrosopyrrolidine	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Benzidine	-		ug/l		50	U	ug/l	50	-		ug/l		50	U	ug/l	50
1,2,4,5-Tetrachlorobenzene	-		ug/l		50	U	ug/l	50	-		ug/l		50	U	ug/l	50
Pentachlorobenzene	-		ug/l		50	U	ug/l	50	-		ug/l		50	U	ug/l	50
1-Naphthylamine	-		ug/l		50	U	ug/l	50	-		ug/l		50	U	ug/l	50
2-Naphthylamine	-		ug/l		50	U	ug/l	50	-		ug/l		50	U	ug/l	50
2,3,4,6-Tetrachlorophenol	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Phenacetin	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
4-Aminobiphenyl	-		ug/l		50	U	ug/l	50	-		ug/l		50	U	ug/l	50
Pentachloronitrobenzene	-		ug/l		50	U	ug/l	50	-		ug/l		50	U	ug/l	50
Pronamide	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10

US Naval Station, Mayport, Florida
Analytical Results for Surface Water Samples Collected at SWMU 4

Lab Sample Number:		MB981002			MB980004			MC030001			MC032002		
Site		GROUPI&II			GROUPI&II			GROUPI&II			GROUPI&II		
Locator		02W020			02W020D			02W026			02W026		
Collect Date:		01-OCT-96			01-OCT-96			03-OCT-96			03-OCT-96		
		VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
p-Dimethylaminoazobenzene		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
7,12-Dimethylbenz(A)Anthracene		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
3-Methylcholanthrene		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Pyridine		-	ug/l		50 U	ug/l	50	-	ug/l		50 U	ug/l	50
N-Nitrosomethylethylamine		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
N-Nitrosomorpholine		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
o-Toluidine		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Hexachloropropene		-	ug/l		50 U	ug/l	50	-	ug/l		50 U	ug/l	50
p-Phenylenediamine		-	ug/l		500 U	ug/l	500	-	ug/l		500 U	ug/l	500
Safrole		-	ug/l		50 U	ug/l	50	-	ug/l		50 U	ug/l	50
Isosafrole		-	ug/l		50 U	ug/l	50	-	ug/l		50 U	ug/l	50
1,4-Naphthoquinone		-	ug/l		1000 U	ug/l	1000	-	ug/l		1000 U	ug/l	1000
1,3-Dinitrobenzene		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
5-Nitro-o-toluidine		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
1,3,5-Trinitrobenzene		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
4-Nitroquinoline-1-oxide		-	ug/l		500 U	ug/l	500	-	ug/l		500 U	ug/l	500
Methapyrilene		-	ug/l		50 U	ug/l	50	-	ug/l		50 U	ug/l	50
3,3-Dimethylbenzidine		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Hexachlorophene		-	ug/l		500 R	ug/l	500	-	ug/l		500 R	ug/l	500
Aramite		-	ug/l		50 U	ug/l	50	-	ug/l		50 U	ug/l	50
2-Chlorophenol		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
3- & 4-Methylphenol (2)		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Hexachloropropene		-	ug/l		50 U	ug/l	50	-	ug/l		50 U	ug/l	50
2-Acetylaminofluorene		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
PESTICIDES/PCBs	ug/l												
alpha-BHC		-	ug/l		.02 UJ	ug/l	.02	-	ug/l		.02 U	ug/l	.02
beta-BHC		-	ug/l		.04 UJ	ug/l	.04	-	ug/l		.04 U	ug/l	.04
delta-BHC		-	ug/l		.02 UJ	ug/l	.02	-	ug/l		.02 U	ug/l	.02
gamma-BHC (Lindane)		-	ug/l		.02 UJ	ug/l	.02	-	ug/l		.02 U	ug/l	.02
Heptachlor		-	ug/l		.04 UJ	ug/l	.04	-	ug/l		.04 UJ	ug/l	.04
Aldrin		-	ug/l		.02 UJ	ug/l	.02	-	ug/l		.02 U	ug/l	.02
Heptachlor epoxide		-	ug/l		.02 UJ	ug/l	.02	-	ug/l		.02 U	ug/l	.02
Endosulfan I		-	ug/l		.02 UJ	ug/l	.02	-	ug/l		.02 U	ug/l	.02
Dieldrin		-	ug/l		.02 UJ	ug/l	.02	-	ug/l		.02 U	ug/l	.02
4,4-DDE		-	ug/l		.02 UJ	ug/l	.02	-	ug/l		.02 U	ug/l	.02
Endrin		-	ug/l		.04 UJ	ug/l	.04	-	ug/l		.04 U	ug/l	.04
Endosulfan II		-	ug/l		.04 UJ	ug/l	.04	-	ug/l		.04 U	ug/l	.04
4,4-DDD		-	ug/l		.04 UJ	ug/l	.04	-	ug/l		.04 U	ug/l	.04
Endosulfan sulfate		-	ug/l		.04 UJ	ug/l	.04	-	ug/l		.04 U	ug/l	.04
4,4-DDT		-	ug/l		.04 UJ	ug/l	.04	-	ug/l		.04 U	ug/l	.04
Methoxychlor		-	ug/l		.08 UJ	ug/l	.08	-	ug/l		.08 U	ug/l	.08
Endrin aldehyde		-	ug/l		.04 UJ	ug/l	.04	-	ug/l		.04 U	ug/l	.04
Endrin ketone		-	ug/l		.04 UJ	ug/l	.04	-	ug/l		.04 U	ug/l	.04
Chlordane		-	ug/l		.2 UJ	ug/l	.2	-	ug/l		.2 U	ug/l	.2
Chlorobenzilate		-	ug/l		.5 UJ	ug/l	.5	-	ug/l		.5 U	ug/l	.5
Diallate		-	ug/l		1 UJ	ug/l	1	-	ug/l		1 U	ug/l	1
Toxaphene		-	ug/l		1 UJ	ug/l	1	-	ug/l		1 U	ug/l	1
Isodrin		-	ug/l		.02 UJ	ug/l	.02	-	ug/l		.02 U	ug/l	.02
Kepone		-	ug/l		1 UJ	ug/l	1	-	ug/l		1 UJ	ug/l	1
Aroclor-1016		-	ug/l		1 UJ	ug/l	1	-	ug/l		1 U	ug/l	1
Aroclor-1221		-	ug/l		2 UJ	ug/l	2	-	ug/l		2 U	ug/l	2

US Naval Station, Mayport, Florida
Analytical Results for Surface Water Samples Collected at SWMU 4

Lab Sample Number:		MB981002			MB980004			MC030001			MC032002		
Site		GROUPI&II			GROUPI&II			GROUPI&II			GROUPI&II		
Locator		02W020			02W020D			02W026			02W026		
Collect Date:		01-OCT-96			01-OCT-96			03-OCT-96			03-OCT-96		
		VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
Aroclor-1232		-	ug/l		2 UJ	ug/l	2	-	ug/l		2 U	ug/l	2
Aroclor-1242		-	ug/l		1 UJ	ug/l	1	-	ug/l		1 U	ug/l	1
Aroclor-1248		-	ug/l		1 UJ	ug/l	1	-	ug/l		1 U	ug/l	1
Aroclor-1254		-	ug/l		.5 UJ	ug/l	.5	-	ug/l		.5 U	ug/l	.5
Aroclor-1260		-	ug/l		.5 UJ	ug/l	.5	-	ug/l		.5 U	ug/l	.5
INORGANICS (WATER)	ug/l												
Antimony		-	ug/l		3.4 U	ug/l	3.4	-	ug/l		3.4 U	ug/l	3.4
Arsenic		-	ug/l		5.2 U	ug/l	5.2	-	ug/l		36.8	ug/l	5.2
Barium		-	ug/l		21.5 J	ug/l	.18	-	ug/l		29.2 J	ug/l	.18
Beryllium		-	ug/l		.11 U	ug/l	.11	-	ug/l		.11 U	ug/l	.11
Cadmium		-	ug/l		.38 U	ug/l	.38	-	ug/l		.38 U	ug/l	.38
Calcium		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Chromium		-	ug/l		28.8	ug/l	.34	-	ug/l		33.7	ug/l	.34
Cobalt		-	ug/l		1.2 UJ	ug/l	1.2	-	ug/l		.94 UJ	ug/l	.94
Copper		-	ug/l		19.5 UJ	ug/l	19.5	-	ug/l		25.2 UJ	ug/l	25.2
Cyanide		-	ug/l		.88 UJ	ug/l	.88	-	ug/l		5.2 J	ug/l	.88
Iron		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Lead		-	ug/l		1.8 U	ug/l	1.8	-	ug/l		4.9 UJ	ug/l	4.9
Magnesium		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Manganese		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Mercury		-	ug/l		.06 UJ	ug/l	.06	-	ug/l		.06 UJ	ug/l	.06
Nickel		-	ug/l		2.7 UJ	ug/l	2.7	-	ug/l		6.2 UJ	ug/l	6.2
Selenium		-	ug/l		8.5	ug/l	3.9	-	ug/l		12.4	ug/l	3.9
Silver		-	ug/l		.85 U	ug/l	.85	-	ug/l		.85 U	ug/l	.85
Sodium		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Thallium		-	ug/l		1.9 U	ug/l	1.9	-	ug/l		1.9 U	ug/l	1.9
Tin		-	ug/l		248	ug/l	6.8	-	ug/l		213	ug/l	6.8
Vanadium		-	ug/l		10 J	ug/l	.59	-	ug/l		17.6 J	ug/l	.59
Zinc		-	ug/l		50.3 UJ	ug/l	50.3	-	ug/l		85.9 UJ	ug/l	85.9
GROUND WATER QUALITY	mg/l												
Alkalinity as CaCO3		708	mg/l	3	-	mg/l		913	mg/l	3	-	mg/l	
Ammonia-N		.4	mg/l	.2	-	mg/l		4.6	mg/l	.2	-	mg/l	
Chloride		9930	mg/l	400	-	mg/l		6940	mg/l	800	-	mg/l	
Hardness as CaCO3		2320	mg/l	3	-	mg/l		3070	mg/l	3	-	mg/l	
Nitrate/Nitrite-N		-	mg/l		-	mg/l		-	mg/l		-	mg/l	
Oil and Grease		-	mg/l		-	mg/l		-	mg/l		-	mg/l	
Phosphorous-P, Total		4.12	mg/l	.5	-	mg/l		5.84	mg/l	.5	-	mg/l	
Sulfate		593	mg/l	100	-	mg/l		370	mg/l	100	-	mg/l	
Sulfide		.3	mg/l	.1	-	mg/l		.1 U	mg/l	.1	-	mg/l	
Total Dissolved Solids		10900	mg/l	10	-	mg/l		13100	mg/l	10	-	mg/l	
Total Kjeldahl Nitrogen		8.6	mg/l	.1	-	mg/l		9.6	mg/l	.1	-	mg/l	
Total Organic Carbon		46.1	mg/l	1	-	mg/l		45.3	mg/l	1	-	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.

US Naval Station, Mayport, Florida
Analytical Results for Surface Water Samples Collected at SWMU 4

Lab Sample Number:		MC014004			MC015003			MC047002			MC048001		
Site		GROUPI&II			GROUPI&II			GROUPI&II			GROUPI&II		
Locator		02W028			02W028			02W031			02W031		
Collect Date:		02-OCT-96			02-OCT-96			04-OCT-96			04-OCT-96		
		VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
VOLATILES	ug/l												
Chloromethane		10 U	ug/l	10	-	ug/l		10 U	ug/l	10	-	ug/l	
Bromomethane		10 U	ug/l	10	-	ug/l		10 U	ug/l	10	-	ug/l	
Vinyl chloride		10 U	ug/l	10	-	ug/l		10 U	ug/l	10	-	ug/l	
Chloroethane		10 U	ug/l	10	-	ug/l		10 U	ug/l	10	-	ug/l	
Methylene chloride		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
Acetone		10 U	ug/l	10	-	ug/l		10 U	ug/l	10	-	ug/l	
Carbon disulfide		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
1,1-Dichloroethane		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
1,1-Dichloroethene		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
1,2-Dichloroethene (total)		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
Chloroform		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
1,2-Dichloroethane		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
2-Butanone		10 U	ug/l	10	-	ug/l		10 U	ug/l	10	-	ug/l	
1,1,1-Trichloroethane		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
Carbon tetrachloride		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
Bromodichloromethane		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
1,2-Dichloropropane		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
cis-1,3-Dichloropropene		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
Trichloroethene		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
Dibromochloromethane		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
1,1,2-Trichloroethane		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
Benzene		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
trans-1,3-Dichloropropene		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
Bromoform		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
4-Methyl-2-pentanone		10 U	ug/l	10	-	ug/l		10 U	ug/l	10	-	ug/l	
2-Hexanone		10 U	ug/l	10	-	ug/l		10 U	ug/l	10	-	ug/l	
Tetrachloroethene		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
1,1,2,2-Tetrachloroethane		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
Toluene		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
Chlorobenzene		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
Ethylbenzene		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
Styrene		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
Xylenes (total)		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
Dichlorodifluoromethane		10 U	ug/l	10	-	ug/l		10 U	ug/l	10	-	ug/l	
Trichlorofluoromethane		5 U	ug/l	5	-	ug/l		5 U	ug/l	5	-	ug/l	
1,3-Dichlorobenzene		5 U	ug/l	5	-	ug/l		10 U	ug/l	10	-	ug/l	
Acrolein		100 U	ug/l	100	-	ug/l		100 U	ug/l	100	-	ug/l	
Iodomethane		10 U	ug/l	10	-	ug/l		10 U	ug/l	10	-	ug/l	
1,4-Dichlorobenzene		10 U	ug/l	10	-	ug/l		10 U	ug/l	10	-	ug/l	
Acrylonitrile		100 U	ug/l	100	-	ug/l		100 U	ug/l	100	-	ug/l	

US Naval Station, Mayport, Florida
Analytical Results for Surface Water Samples Collected at SWMU 4

Lab Sample Number:		MC014004				MC015003				MC047002				MC048001			
Site		GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator		02W028				02W028				02W031				02W031			
Collect Date:		02-OCT-96				02-OCT-96				04-OCT-96				04-OCT-96			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Dibromomethane		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
1,2-Dichlorobenzene		5	U	ug/l	5	-		ug/l		10	U	ug/l	10	-		ug/l	
2-Chloroethylvinyl ether		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Ethyl methacrylate		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
1,2,3-Trichloropropane		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
trans-1,4-Dichloro-2-butene		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
Isobutyl alcohol		200	R	ug/l	200	-		ug/l		200	R	ug/l	200	-		ug/l	
1,1,1,2-Tetrachloroethane		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
1,2-Dibromo-3-chloropropane		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Ethylene dibromide		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
1,4-Dioxane		200	R	ug/l	200	-		ug/l		200	R	ug/l	200	-		ug/l	
3-Chloropropene		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
Acetonitrile		100	U	ug/l	100	-		ug/l		100	U	ug/l	100	-		ug/l	
Chloroprene		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
Methacrylonitrile		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
Methyl methacrylate		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Pentachloroethane		10	UJ	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Propionitrile		100	U	ug/l	100	-		ug/l		100	U	ug/l	100	-		ug/l	
Vinyl acetate		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
SEMIVOLATILES	ug/l																
N-Nitrosodimethylamine		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Phenol		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Aniline		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
bis(2-Chloroethyl) ether		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Benzyl Alcohol		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
2-Methylphenol		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
bis(2-Chloroisopropyl) ether		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
N-Nitroso-di-n-propylamine		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Hexachloroethane		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Nitrobenzene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Isophorone		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
2-Nitrophenol		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
2,4-Dimethylphenol		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Benzoic acid		50	UJ	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
bis(2-Chloroethoxy) methane		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
2,4-Dichlorophenol		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
1,2,4-Trichlorobenzene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Naphthalene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
4-Chloroaniline		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Hexachlorobutadiene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
4-Chloro-3-methylphenol		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
2-Methylnaphthalene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Hexachlorocyclopentadiene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
2,4,6-Trichlorophenol		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Dimethylphthalate		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
2,4,5-Trichlorophenol		50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
2-Chloronaphthalene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
2-Nitroaniline		50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
Acenaphthylene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
2,6-Dinitrotoluene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
3-Nitroaniline		50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	

US Naval Station, Mayport, Florida
Analytical Results for Surface Water Samples Collected at SWMU 4

Lab Sample Number:	MC014004				MC015003				MC047002				MC048001			
Site	GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator	02W028				02W028				02W031				02W031			
Collect Date:	02-OCT-96				02-OCT-96				04-OCT-96				04-OCT-96			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Acenaphthene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
2,4-Dinitrophenol	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
4-Nitrophenol	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
Dibenzofuran	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
2,4-Dinitrotoluene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Diethylphthalate	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
4-Chlorophenyl-phenylether	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Fluorene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
4-Nitroaniline	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
4,6-Dinitro-2-methylphenol	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
N-Nitrosodiphenylamine	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
1,2-Diphenylhydrazine	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
4-Bromophenyl-phenylether	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Hexachlorobenzene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Pentachlorophenol	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
Phenanthrene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Anthracene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Di-n-Butylphthalate	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Fluoranthene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Pyrene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Butylbenzylphthalate	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
3,3-Dichlorobenzidine	10	U	ug/l	10	-		ug/l		20	U	ug/l	20	-		ug/l	
Benzo (a) anthracene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Chrysene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
bis(2-Ethylhexyl) phthalate	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Di-n-octylphthalate	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Benzo (b) fluoranthene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Benzo (k) fluoranthene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Benzo (a) pyrene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Indeno (1,2,3-cd) pyrene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Dibenzo (a,h) anthracene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Benzo (g,h,i) perylene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
2-Picoline	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
Methyl methanesulfonate	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Ethyl methanesulfonate	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Acetophenone	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
N-Nitrosopiperidine	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Phenyl-tert-butylamine	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
2,6-Dichlorophenol	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
N-Nitroso-di-n-butylamine	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
N-Nitrosodiethylamine	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
N-Nitrosopyrrolidine	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Benzidine	50	U	ug/l	50	-		ug/l		50	UJ	ug/l	50	-		ug/l	
1,2,4,5-Tetrachlorobenzene	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
Pentachlorobenzene	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
1-Naphthylamine	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
2-Naphthylamine	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
2,3,4,6-Tetrachlorophenol	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Phenacetin	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
4-Aminobiphenyl	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
Pentachloronitrobenzene	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
Pronamide	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	

US Naval Station, Mayport, Florida
Analytical Results for Surface Water Samples Collected at SWMU 4

Lab Sample Number:		MC014004				MC015003				MC047002				MC048001			
Site		GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator		02W028				02W028				02W031				02W031			
Collect Date:		02-OCT-96				02-OCT-96				04-OCT-96				04-OCT-96			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
p-Dimethylaminoazobenzene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
7,12-Dimethylbenz(A)Anthracene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
3-Methylcholanthrene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Pyridine		50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
N-Nitrosomethylethylamine		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
N-Nitrosomorpholine		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
o-Toluidine		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Hexachloropropene		50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
p-Phenylenediamine		500	U	ug/l	500	-		ug/l		500	UJ	ug/l	500	-		ug/l	
Safrole		50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
Isosafrole		50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
1,4-Naphthoquinone		1000	U	ug/l	1000	-		ug/l		1000	U	ug/l	1000	-		ug/l	
1,3-Dinitrobenzene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
5-Nitro-o-toluidine		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
1,3,5-Trinitrobenzene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
4-Nitroquinoline-1-oxide		500	U	ug/l	500	-		ug/l		500	U	ug/l	500	-		ug/l	
Methapyrilene		50	U	ug/l	50	-		ug/l		50	UJ	ug/l	50	-		ug/l	
3,3-Dimethylbenzidine		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Hexachlorophene		500	R	ug/l	500	-		ug/l		500	R	ug/l	500	-		ug/l	
Aramite		50	U	ug/l	50	-		ug/l		50	R	ug/l	50	-		ug/l	
2-Chlorophenol		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
3- & 4-Methylphenol (2)		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Hexachloropropene		50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
2-Acetylaminofluorene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
PESTICIDES/PCBs	ug/l																
alpha-BHC		.04	U	ug/l	.04	-		ug/l		.02	U	ug/l	.02	-		ug/l	
beta-BHC		.08	U	ug/l	.08	-		ug/l		.04	U	ug/l	.04	-		ug/l	
delta-BHC		.04	U	ug/l	.04	-		ug/l		.02	U	ug/l	.02	-		ug/l	
gamma-BHC (Lindane)		.04	U	ug/l	.04	-		ug/l		.02	U	ug/l	.02	-		ug/l	
Heptachlor		.04	U	ug/l	.04	-		ug/l		.02	U	ug/l	.02	-		ug/l	
Aldrin		.04	U	ug/l	.04	-		ug/l		.02	U	ug/l	.02	-		ug/l	
Heptachlor epoxide		.04	U	ug/l	.04	-		ug/l		.02	U	ug/l	.02	-		ug/l	
Endosulfan I		.04	U	ug/l	.04	-		ug/l		.02	U	ug/l	.02	-		ug/l	
Dieldrin		.04	U	ug/l	.04	-		ug/l		.02	U	ug/l	.02	-		ug/l	
4,4-DDE		.04	U	ug/l	.04	-		ug/l		.02	U	ug/l	.02	-		ug/l	
Endrin		.08	U	ug/l	.08	-		ug/l		.04	U	ug/l	.04	-		ug/l	
Endosulfan II		.08	U	ug/l	.08	-		ug/l		.04	U	ug/l	.04	-		ug/l	
4,4-DDD		.08	U	ug/l	.08	-		ug/l		.04	U	ug/l	.04	-		ug/l	
Endosulfan sulfate		.08	U	ug/l	.08	-		ug/l		.04	U	ug/l	.04	-		ug/l	
4,4-DDT		.08	U	ug/l	.08	-		ug/l		.04	U	ug/l	.04	-		ug/l	
Methoxychlor		.16	U	ug/l	.16	-		ug/l		.08	U	ug/l	.08	-		ug/l	
Endrin aldehyde		.08	U	ug/l	.08	-		ug/l		.04	U	ug/l	.04	-		ug/l	
Endrin ketone		.08	U	ug/l	.08	-		ug/l		.04	U	ug/l	.04	-		ug/l	
Chlordane		.4	U	ug/l	.4	-		ug/l		.2	U	ug/l	.2	-		ug/l	
Chlorobenzilate		1	U	ug/l	1	-		ug/l		.5	U	ug/l	.5	-		ug/l	
Diallate		2	U	ug/l	2	-		ug/l		1	U	ug/l	1	-		ug/l	
Toxaphene		2	U	ug/l	2	-		ug/l		1	U	ug/l	1	-		ug/l	
Isodrin		.04	U	ug/l	.04	-		ug/l		.02	U	ug/l	.02	-		ug/l	
Kepone		2	UJ	ug/l	2	-		ug/l		1	UJ	ug/l	1	-		ug/l	
Aroclor-1016		2	U	ug/l	2	-		ug/l		1	U	ug/l	1	-		ug/l	
Aroclor-1221		4	U	ug/l	4	-		ug/l		2	U	ug/l	2	-		ug/l	

US Naval Station, Mayport, Florida
Analytical Results for Surface Water Samples Collected at SWMU 4

Lab Sample Number:		MC014004				MC015003				MC047002				MC048001			
Site		GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator		02W028				02W028				02W031				02W031			
Collect Date:		02-OCT-96				02-OCT-96				04-OCT-96				04-OCT-96			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Aroclor-1232		4	U	ug/l	4	-		ug/l		2	U	ug/l	2	-		ug/l	
Aroclor-1242		2	U	ug/l	2	-		ug/l		1	U	ug/l	1	-		ug/l	
Aroclor-1248		2	U	ug/l	2	-		ug/l		1	U	ug/l	1	-		ug/l	
Aroclor-1254		1	U	ug/l	1	-		ug/l		.5	U	ug/l	.5	-		ug/l	
Aroclor-1260		1	U	ug/l	1	-		ug/l		.5	U	ug/l	.5	-		ug/l	
INORGANICS (WATER)	ug/l																
Antimony		3.4	U	ug/l	3.4	-		ug/l		4.13	UJ	ug/l	4.13	-		ug/l	
Arsenic		20.7		ug/l	5.2	-		ug/l		6.4	J	ug/l	5.2	-		ug/l	
Barium		20.3	J	ug/l	.18	-		ug/l		13.5	J	ug/l	.18	-		ug/l	
Beryllium		.11	U	ug/l	.11	-		ug/l		.11	U	ug/l	.11	-		ug/l	
Cadmium		.38	U	ug/l	.38	-		ug/l		.46	UJ	ug/l	.46	-		ug/l	
Calcium		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Chromium		3.6	J	ug/l	.34	-		ug/l		2.8	J	ug/l	.34	-		ug/l	
Cobalt		.32	U	ug/l	.32	-		ug/l		.47	UJ	ug/l	.47	-		ug/l	
Copper		14.7	UJ	ug/l	14.7	-		ug/l		27.9	UJ	ug/l	27.9	-		ug/l	
Cyanide		1.1	J	ug/l	.88	-		ug/l		1.3	J	ug/l	.88	-		ug/l	
Iron		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Lead		1.8	U	ug/l	1.8	-		ug/l		8.9	UJ	ug/l	8.9	-		ug/l	
Magnesium		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Manganese		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Mercury		.2	UJ	ug/l	.2	-		ug/l		.06	UJ	ug/l	.06	-		ug/l	
Nickel		1.2	U	ug/l	1.2	-		ug/l		3.7	UJ	ug/l	3.7	-		ug/l	
Selenium		3.9	U	ug/l	3.9	-		ug/l		3.9	U	ug/l	3.9	-		ug/l	
Silver		.85	U	ug/l	.85	-		ug/l		.85	U	ug/l	.85	-		ug/l	
Sodium		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Thallium		1.9	U	ug/l	1.9	-		ug/l		1.9	U	ug/l	1.9	-		ug/l	
Tin		225		ug/l	6.8	-		ug/l		273		ug/l	6.8	-		ug/l	
Vanadium		5.6	J	ug/l	.59	-		ug/l		2.5	J	ug/l	.59	-		ug/l	
Zinc		39.8	UJ	ug/l	39.8	-		ug/l		128		ug/l	.93	-		ug/l	
GROUND WATER QUALITY	mg/l																
Alkalinity as CaCO3		-		mg/l		616		mg/l	3	-		mg/l		206		mg/l	3
Ammonia-N		-		mg/l		.5		mg/l	.2	-		mg/l		.7		mg/l	.2
Chloride		-		mg/l		5690		mg/l	800	-		mg/l		506		mg/l	400
Hardness as CaCO3		-		mg/l		2320		mg/l	3	-		mg/l		428		mg/l	3
Nitrate/Nitrite-N		-		mg/l		-		mg/l		-		mg/l		-		mg/l	
Oil and Grease		-		mg/l		-		mg/l		-		mg/l		-		mg/l	
Phosphorous-P, Total		-		mg/l		3.11		mg/l	.5	-		mg/l		.35		mg/l	.05
Sulfate		-		mg/l		445		mg/l	100	-		mg/l		69.9		mg/l	10
Sulfide		-		mg/l		.1	U	mg/l	.1	-		mg/l		.1	U	mg/l	.1
Total Dissolved Solids		-		mg/l		11100		mg/l	10	-		mg/l		1260		mg/l	10
Total Kjeldahl Nitrogen		-		mg/l		6.7		mg/l	.1	-		mg/l		2		mg/l	.1
Total Organic Carbon		-		mg/l		39.8		mg/l	1	-		mg/l		15.9		mg/l	1

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.

US Naval Station, Mayport, Florida
Analytical Results for Surface Water Samples Collected at SWMU 4

Lab Sample Number:		MC014003			MC015002			MC030002			MC032003		
Site		GROUPI&II			GROUPI&II			GROUPI&II			GROUPI&II		
Locator		02W033			02W033			02W034			02W034		
Collect Date:		01-OCT-96			01-OCT-96			03-OCT-96			03-OCT-96		
		VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
VOLATILES	ug/l												
Chloromethane		10	U ug/l	10	-	ug/l		-	ug/l		10	U ug/l	10
Bromomethane		10	U ug/l	10	-	ug/l		-	ug/l		10	U ug/l	10
Vinyl chloride		10	U ug/l	10	-	ug/l		-	ug/l		10	U ug/l	10
Chloroethane		10	U ug/l	10	-	ug/l		-	ug/l		10	U ug/l	10
Methylene chloride		5	U ug/l	5	-	ug/l		-	ug/l		5	U ug/l	5
Acetone		10	U ug/l	10	-	ug/l		-	ug/l		10	U ug/l	10
Carbon disulfide		5	U ug/l	5	-	ug/l		-	ug/l		5	U ug/l	5
1,1-Dichloroethane		5	U ug/l	5	-	ug/l		-	ug/l		5	U ug/l	5
1,1-Dichloroethene		5	U ug/l	5	-	ug/l		-	ug/l		5	U ug/l	5
1,2-Dichloroethene (total)		5	U ug/l	5	-	ug/l		-	ug/l		5	U ug/l	5
Chloroform		5	U ug/l	5	-	ug/l		-	ug/l		5	U ug/l	5
1,2-Dichloroethane		5	U ug/l	5	-	ug/l		-	ug/l		5	U ug/l	5
2-Butanone		10	U ug/l	10	-	ug/l		-	ug/l		10	U ug/l	10
1,1,1-Trichloroethane		5	U ug/l	5	-	ug/l		-	ug/l		5	U ug/l	5
Carbon tetrachloride		5	U ug/l	5	-	ug/l		-	ug/l		5	U ug/l	5
Bromodichloromethane		5	U ug/l	5	-	ug/l		-	ug/l		5	U ug/l	5
1,2-Dichloropropane		5	U ug/l	5	-	ug/l		-	ug/l		5	U ug/l	5
cis-1,3-Dichloropropene		5	U ug/l	5	-	ug/l		-	ug/l		5	U ug/l	5
Trichloroethene		5	U ug/l	5	-	ug/l		-	ug/l		5	U ug/l	5
Dibromochloromethane		5	U ug/l	5	-	ug/l		-	ug/l		5	U ug/l	5
1,1,2-Trichloroethane		5	U ug/l	5	-	ug/l		-	ug/l		5	U ug/l	5
Benzene		5	U ug/l	5	-	ug/l		-	ug/l		5	U ug/l	5
trans-1,3-Dichloropropene		5	U ug/l	5	-	ug/l		-	ug/l		5	U ug/l	5
Bromoform		5	U ug/l	5	-	ug/l		-	ug/l		5	U ug/l	5
4-Methyl-2-pentanone		10	U ug/l	10	-	ug/l		-	ug/l		10	U ug/l	10
2-Hexanone		10	U ug/l	10	-	ug/l		-	ug/l		10	U ug/l	10
Tetrachloroethene		5	U ug/l	5	-	ug/l		-	ug/l		5	U ug/l	5
1,1,2,2-Tetrachloroethane		5	U ug/l	5	-	ug/l		-	ug/l		5	U ug/l	5
Toluene		5	U ug/l	5	-	ug/l		-	ug/l		5	U ug/l	5
Chlorobenzene		5	U ug/l	5	-	ug/l		-	ug/l		5	U ug/l	5
Ethylbenzene		5	U ug/l	5	-	ug/l		-	ug/l		5	U ug/l	5
Styrene		5	U ug/l	5	-	ug/l		-	ug/l		5	U ug/l	5
Xylenes (total)		5	U ug/l	5	-	ug/l		-	ug/l		5	U ug/l	5
Dichlorodifluoromethane		10	U ug/l	10	-	ug/l		-	ug/l		10	U ug/l	10
Trichlorofluoromethane		5	U ug/l	5	-	ug/l		-	ug/l		5	U ug/l	5
1,3-Dichlorobenzene		5	U ug/l	5	-	ug/l		-	ug/l		5	U ug/l	5
Acrolein		100	U ug/l	100	-	ug/l		-	ug/l		100	U ug/l	100
Iodomethane		10	U ug/l	10	-	ug/l		-	ug/l		10	U ug/l	10
1,4-Dichlorobenzene		5	U ug/l	5	-	ug/l		-	ug/l		5	U ug/l	5
Acrylonitrile		100	U ug/l	100	-	ug/l		-	ug/l		100	U ug/l	100

US Naval Station, Mayport, Florida
Analytical Results for Surface Water Samples Collected at SWMU 4

Lab Sample Number:		MC014003				MC015002				MC030002				MC032003			
Site		GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator		02W033				02W033				02W034				02W034			
Collect Date:		01-OCT-96				01-OCT-96				03-OCT-96				03-OCT-96			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Dibromomethane		5	U	ug/l	5	-		ug/l		-		ug/l		5	U	ug/l	5
1,2-Dichlorobenzene		5	U	ug/l	5	-		ug/l		-		ug/l		5	U	ug/l	5
2-Chloroethylvinyl ether		10	U	ug/l	10	-		ug/l		-		ug/l		10	U	ug/l	10
Ethyl methacrylate		5	U	ug/l	5	-		ug/l		-		ug/l		5	U	ug/l	5
1,2,3-Trichloropropane		5	U	ug/l	5	-		ug/l		-		ug/l		5	U	ug/l	5
trans-1,4-Dichloro-2-butene		5	U	ug/l	5	-		ug/l		-		ug/l		5	U	ug/l	5
Isobutyl alcohol		200	R	ug/l	200	-		ug/l		-		ug/l		200	R	ug/l	200
1,1,1,2-Tetrachloroethane		5	U	ug/l	5	-		ug/l		-		ug/l		5	U	ug/l	5
1,2-Dibromo-3-chloropropane		10	U	ug/l	10	-		ug/l		-		ug/l		10	U	ug/l	10
Ethylene dibromide		5	U	ug/l	5	-		ug/l		-		ug/l		5	U	ug/l	5
1,4-Dioxane		200	R	ug/l	200	-		ug/l		-		ug/l		200	R	ug/l	200
3-Chloropropene		5	U	ug/l	5	-		ug/l		-		ug/l		5	U	ug/l	5
Acetonitrile		100	U	ug/l	100	-		ug/l		-		ug/l		100	U	ug/l	100
Chloroprene		5	U	ug/l	5	-		ug/l		-		ug/l		5	U	ug/l	5
Methacrylonitrile		5	U	ug/l	5	-		ug/l		-		ug/l		5	U	ug/l	5
Methyl methacrylate		10	U	ug/l	10	-		ug/l		-		ug/l		10	U	ug/l	10
Pentachloroethane		10	UJ	ug/l	10	-		ug/l		-		ug/l		10	UJ	ug/l	10
Propionitrile		100	U	ug/l	100	-		ug/l		-		ug/l		100	U	ug/l	100
Vinyl acetate		10	U	ug/l	10	-		ug/l		-		ug/l		10	U	ug/l	10
SEMIVOLATILES	ug/l																
N-Nitrosodimethylamine		10	U	ug/l	10	-		ug/l		-		ug/l		10	U	ug/l	10
Phenol		10	U	ug/l	10	-		ug/l		-		ug/l		10	U	ug/l	10
Aniline		10	U	ug/l	10	-		ug/l		-		ug/l		10	U	ug/l	10
bis(2-Chloroethyl) ether		10	U	ug/l	10	-		ug/l		-		ug/l		10	U	ug/l	10
Benzyl Alcohol		10	U	ug/l	10	-		ug/l		-		ug/l		10	U	ug/l	10
2-Methylphenol		10	U	ug/l	10	-		ug/l		-		ug/l		10	U	ug/l	10
bis(2-Chloroisopropyl) ether		10	U	ug/l	10	-		ug/l		-		ug/l		10	U	ug/l	10
N-Nitroso-di-n-propylamine		10	U	ug/l	10	-		ug/l		-		ug/l		10	U	ug/l	10
Hexachloroethane		10	U	ug/l	10	-		ug/l		-		ug/l		10	U	ug/l	10
Nitrobenzene		10	U	ug/l	10	-		ug/l		-		ug/l		10	U	ug/l	10
Isophorone		10	U	ug/l	10	-		ug/l		-		ug/l		10	U	ug/l	10
2-Nitrophenol		10	U	ug/l	10	-		ug/l		-		ug/l		10	U	ug/l	10
2,4-Dimethylphenol		10	U	ug/l	10	-		ug/l		-		ug/l		10	U	ug/l	10
Benzoic acid		50	UJ	ug/l	50	-		ug/l		-		ug/l		50	UJ	ug/l	50
bis(2-Chloroethoxy) methane		10	U	ug/l	10	-		ug/l		-		ug/l		10	U	ug/l	10
2,4-Dichlorophenol		10	U	ug/l	10	-		ug/l		-		ug/l		10	U	ug/l	10
1,2,4-Trichlorobenzene		10	U	ug/l	10	-		ug/l		-		ug/l		10	U	ug/l	10
Naphthalene		10	U	ug/l	10	-		ug/l		-		ug/l		10	U	ug/l	10
4-Chloroaniline		10	U	ug/l	10	-		ug/l		-		ug/l		10	U	ug/l	10
Hexachlorobutadiene		10	U	ug/l	10	-		ug/l		-		ug/l		10	U	ug/l	10
4-Chloro-3-methylphenol		10	U	ug/l	10	-		ug/l		-		ug/l		10	U	ug/l	10
2-Methylnaphthalene		10	U	ug/l	10	-		ug/l		-		ug/l		10	U	ug/l	10
Hexachlorocyclopentadiene		10	U	ug/l	10	-		ug/l		-		ug/l		10	U	ug/l	10
2,4,6-Trichlorophenol		10	U	ug/l	10	-		ug/l		-		ug/l		10	U	ug/l	10
Dimethylphthalate		10	U	ug/l	10	-		ug/l		-		ug/l		10	U	ug/l	10
2,4,5-Trichlorophenol		50	U	ug/l	50	-		ug/l		-		ug/l		50	U	ug/l	50
2-Chloronaphthalene		10	U	ug/l	10	-		ug/l		-		ug/l		10	U	ug/l	10
2-Nitroaniline		50	U	ug/l	50	-		ug/l		-		ug/l		50	U	ug/l	50
Acenaphthylene		10	U	ug/l	10	-		ug/l		-		ug/l		10	U	ug/l	10
2,6-Dinitrotoluene		10	U	ug/l	10	-		ug/l		-		ug/l		10	U	ug/l	10
3-Nitroaniline		50	U	ug/l	50	-		ug/l		-		ug/l		50	U	ug/l	50

US Naval Station, Mayport, Florida
Analytical Results for Surface Water Samples Collected at SWMU 4

Lab Sample Number:	MC014003				MC015002				MC030002				MC032003			
Site	GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator	02W033				02W033				02W034				02W034			
Collect Date:	01-OCT-96				01-OCT-96				03-OCT-96				03-OCT-96			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Acenaphthene	10	U	ug/l	10	-		ug/l		-		ug/l		10	U	ug/l	10
2,4-Dinitrophenol	50	U	ug/l	50	-		ug/l		-		ug/l		50	U	ug/l	50
4-Nitrophenol	50	U	ug/l	50	-		ug/l		-		ug/l		50	U	ug/l	50
Dibenzofuran	10	U	ug/l	10	-		ug/l		-		ug/l		10	U	ug/l	10
2,4-Dinitrotoluene	10	U	ug/l	10	-		ug/l		-		ug/l		10	U	ug/l	10
Diethylphthalate	10	U	ug/l	10	-		ug/l		-		ug/l		10	U	ug/l	10
4-Chlorophenyl-phenylether	10	U	ug/l	10	-		ug/l		-		ug/l		10	U	ug/l	10
Fluorene	10	U	ug/l	10	-		ug/l		-		ug/l		10	U	ug/l	10
4-Nitroaniline	50	U	ug/l	50	-		ug/l		-		ug/l		50	U	ug/l	50
4,6-Dinitro-2-methylphenol	50	U	ug/l	50	-		ug/l		-		ug/l		50	U	ug/l	50
N-Nitrosodiphenylamine	10	U	ug/l	10	-		ug/l		-		ug/l		10	U	ug/l	10
1,2-Diphenylhydrazine	10	U	ug/l	10	-		ug/l		-		ug/l		10	U	ug/l	10
4-Bromophenyl-phenylether	10	U	ug/l	10	-		ug/l		-		ug/l		10	U	ug/l	10
Hexachlorobenzene	10	U	ug/l	10	-		ug/l		-		ug/l		10	U	ug/l	10
Pentachlorophenol	50	U	ug/l	50	-		ug/l		-		ug/l		50	U	ug/l	50
Phenanthrene	10	U	ug/l	10	-		ug/l		-		ug/l		10	U	ug/l	10
Anthracene	10	U	ug/l	10	-		ug/l		-		ug/l		10	U	ug/l	10
Di-n-Butylphthalate	10	U	ug/l	10	-		ug/l		-		ug/l		10	U	ug/l	10
Fluoranthene	10	U	ug/l	10	-		ug/l		-		ug/l		10	U	ug/l	10
Pyrene	10	U	ug/l	10	-		ug/l		-		ug/l		10	U	ug/l	10
Butylbenzylphthalate	10	U	ug/l	10	-		ug/l		-		ug/l		10	U	ug/l	10
3,3-Dichlorobenzidine	20	U	ug/l	20	-		ug/l		-		ug/l		20	U	ug/l	20
Benzo (a) anthracene	10	U	ug/l	10	-		ug/l		-		ug/l		10	U	ug/l	10
Chrysene	10	U	ug/l	10	-		ug/l		-		ug/l		10	U	ug/l	10
bis(2-Ethylhexyl) phthalate	10	U	ug/l	10	-		ug/l		-		ug/l		10	U	ug/l	10
Di-n-octylphthalate	10	U	ug/l	10	-		ug/l		-		ug/l		10	U	ug/l	10
Benzo (b) fluoranthene	10	U	ug/l	10	-		ug/l		-		ug/l		10	U	ug/l	10
Benzo (k) fluoranthene	10	U	ug/l	10	-		ug/l		-		ug/l		10	U	ug/l	10
Benzo (a) pyrene	10	U	ug/l	10	-		ug/l		-		ug/l		10	U	ug/l	10
Indeno (1,2,3-cd) pyrene	10	U	ug/l	10	-		ug/l		-		ug/l		10	U	ug/l	10
Dibenzo (a,h) anthracene	10	U	ug/l	10	-		ug/l		-		ug/l		10	U	ug/l	10
Benzo (g,h,i) perylene	10	U	ug/l	10	-		ug/l		-		ug/l		10	U	ug/l	10
2-Picoline	50	U	ug/l	50	-		ug/l		-		ug/l		50	U	ug/l	50
Methyl methanesulfonate	10	U	ug/l	10	-		ug/l		-		ug/l		10	U	ug/l	10
Ethyl methanesulfonate	10	U	ug/l	10	-		ug/l		-		ug/l		10	U	ug/l	10
Acetophenone	10	U	ug/l	10	-		ug/l		-		ug/l		10	U	ug/l	10
N-Nitrosopiperidine	10	U	ug/l	10	-		ug/l		-		ug/l		10	U	ug/l	10
Phenyl-tert-butylamine	50	U	ug/l	50	-		ug/l		-		ug/l		50	U	ug/l	50
2,6-Dichlorophenol	10	U	ug/l	10	-		ug/l		-		ug/l		10	U	ug/l	10
N-Nitroso-di-n-butylamine	10	U	ug/l	10	-		ug/l		-		ug/l		10	U	ug/l	10
N-Nitrosodiethylamine	10	U	ug/l	10	-		ug/l		-		ug/l		10	U	ug/l	10
N-Nitrosopyrrolidine	10	U	ug/l	10	-		ug/l		-		ug/l		10	U	ug/l	10
Benzidine	50	U	ug/l	50	-		ug/l		-		ug/l		50	U	ug/l	50
1,2,4,5-Tetrachlorobenzene	50	U	ug/l	50	-		ug/l		-		ug/l		50	U	ug/l	50
Pentachlorobenzene	50	U	ug/l	50	-		ug/l		-		ug/l		50	U	ug/l	50
1-Naphthylamine	50	U	ug/l	50	-		ug/l		-		ug/l		50	U	ug/l	50
2-Naphthylamine	50	U	ug/l	50	-		ug/l		-		ug/l		50	U	ug/l	50
2,3,4,6-Tetrachlorophenol	10	U	ug/l	10	-		ug/l		-		ug/l		10	U	ug/l	10
Phenacetin	10	U	ug/l	10	-		ug/l		-		ug/l		10	U	ug/l	10
4-Aminobiphenyl	50	U	ug/l	50	-		ug/l		-		ug/l		50	U	ug/l	50
Pentachloronitrobenzene	50	U	ug/l	50	-		ug/l		-		ug/l		50	U	ug/l	50
Pronamide	10	U	ug/l	10	-		ug/l		-		ug/l		10	U	ug/l	10

US Naval Station, Mayport, Florida
Analytical Results for Surface Water Samples Collected at SWMU 4

Lab Sample Number:	MC014003				MC015002				MC030002				MC032003			
Site	GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator	02W033				02W033				02W034				02W034			
Collect Date:	01-OCT-96				01-OCT-96				03-OCT-96				03-OCT-96			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
p-Dimethylaminoazobenzene	10	U	ug/l	10	-		ug/l		-		ug/l		10	U	ug/l	10
7,12-Dimethylbenz(A)Anthracene	10	U	ug/l	10	-		ug/l		-		ug/l		10	U	ug/l	10
3-Methylcholanthrene	10	U	ug/l	10	-		ug/l		-		ug/l		10	U	ug/l	10
Pyridine	50	U	ug/l	50	-		ug/l		-		ug/l		50	U	ug/l	50
N-Nitrosomethylethylamine	10	U	ug/l	10	-		ug/l		-		ug/l		10	U	ug/l	10
N-Nitrosomorpholine	10	U	ug/l	10	-		ug/l		-		ug/l		10	U	ug/l	10
o-Toluidine	10	U	ug/l	10	-		ug/l		-		ug/l		10	U	ug/l	10
Hexachloropropene	50	U	ug/l	50	-		ug/l		-		ug/l		50	U	ug/l	50
p-Phenylenediamine	500	U	ug/l	500	-		ug/l		-		ug/l		500	U	ug/l	500
Safrole	50	U	ug/l	50	-		ug/l		-		ug/l		50	U	ug/l	50
Isosafrole	50	U	ug/l	50	-		ug/l		-		ug/l		50	U	ug/l	50
1,4-Naphthoquinone	1000	U	ug/l	1000	-		ug/l		-		ug/l		1000	U	ug/l	1000
1,3-Dinitrobenzene	10	U	ug/l	10	-		ug/l		-		ug/l		10	U	ug/l	10
5-Nitro-o-toluidine	10	U	ug/l	10	-		ug/l		-		ug/l		10	U	ug/l	10
1,3,5-Trinitrobenzene	10	U	ug/l	10	-		ug/l		-		ug/l		10	U	ug/l	10
4-Nitroquinoline-1-oxide	500	U	ug/l	500	-		ug/l		-		ug/l		500	U	ug/l	500
Methapyrilene	50	U	ug/l	50	-		ug/l		-		ug/l		50	U	ug/l	50
3,3-Dimethylbenzidine	10	U	ug/l	10	-		ug/l		-		ug/l		10	U	ug/l	10
Hexachlorophene	500	R	ug/l	500	-		ug/l		-		ug/l		500	R	ug/l	500
Aramite	50	U	ug/l	50	-		ug/l		-		ug/l		50	U	ug/l	50
2-Chlorophenol	10	U	ug/l	10	-		ug/l		-		ug/l		10	U	ug/l	10
3- & 4-Methylphenol (2)	10	U	ug/l	10	-		ug/l		-		ug/l		10	U	ug/l	10
Hexachloropropene	50	U	ug/l	50	-		ug/l		-		ug/l		50	U	ug/l	50
2-Acetylaminofluorene	10	U	ug/l	10	-		ug/l		-		ug/l		10	U	ug/l	10
PESTICIDES/PCBs ug/l																
alpha-BHC	.02	R	ug/l	.02	-		ug/l		-		ug/l		.02	U	ug/l	.02
beta-BHC	.04	R	ug/l	.04	-		ug/l		-		ug/l		.04	U	ug/l	.04
delta-BHC	.02	R	ug/l	.02	-		ug/l		-		ug/l		.02	U	ug/l	.02
gamma-BHC (Lindane)	.02	R	ug/l	.02	-		ug/l		-		ug/l		.02	U	ug/l	.02
Heptachlor	.02	R	ug/l	.02	-		ug/l		-		ug/l		.02	U	ug/l	.02
Aldrin	.02	R	ug/l	.02	-		ug/l		-		ug/l		.02	U	ug/l	.02
Heptachlor epoxide	.02	R	ug/l	.02	-		ug/l		-		ug/l		.02	U	ug/l	.02
Endosulfan I	.02	R	ug/l	.02	-		ug/l		-		ug/l		.02	U	ug/l	.02
Dieldrin	.02	R	ug/l	.02	-		ug/l		-		ug/l		.02	U	ug/l	.02
4,4-DDE	.02	R	ug/l	.02	-		ug/l		-		ug/l		.02	U	ug/l	.02
Endrin	.04	R	ug/l	.04	-		ug/l		-		ug/l		.04	U	ug/l	.04
Endosulfan II	.04	R	ug/l	.04	-		ug/l		-		ug/l		.04	U	ug/l	.04
4,4-DDD	.04	R	ug/l	.04	-		ug/l		-		ug/l		.04	U	ug/l	.04
Endosulfan sulfate	.04	R	ug/l	.04	-		ug/l		-		ug/l		.04	U	ug/l	.04
4,4-DDT	.04	R	ug/l	.04	-		ug/l		-		ug/l		.04	U	ug/l	.04
Methoxychlor	.08	R	ug/l	.08	-		ug/l		-		ug/l		.08	U	ug/l	.08
Endrin aldehyde	.04	R	ug/l	.04	-		ug/l		-		ug/l		.04	U	ug/l	.04
Endrin ketone	.04	R	ug/l	.04	-		ug/l		-		ug/l		.04	U	ug/l	.04
Chlordane	.2	R	ug/l	.2	-		ug/l		-		ug/l		.2	U	ug/l	.2
Chlorobenzilate	.5	R	ug/l	.5	-		ug/l		-		ug/l		.5	U	ug/l	.5
Diallate	1	R	ug/l	1	-		ug/l		-		ug/l		1	U	ug/l	1
Toxaphene	1	R	ug/l	1	-		ug/l		-		ug/l		1	U	ug/l	1
Isodrin	.02	R	ug/l	.02	-		ug/l		-		ug/l		.02	U	ug/l	.02
Kepone	1	UJ	ug/l	1	-		ug/l		-		ug/l		1	UJ	ug/l	1
Aroclor-1016	1	R	ug/l	1	-		ug/l		-		ug/l		1	U	ug/l	1
Aroclor-1221	2	R	ug/l	2	-		ug/l		-		ug/l		2	U	ug/l	2

US Naval Station, Mayport, Florida
Analytical Results for Surface Water Samples Collected at SWMU 4

Lab Sample Number:		MC014003				MC015002				MC030002				MC032003			
Site		GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator		02W033				02W033				02W034				02W034			
Collect Date:		01-OCT-96				01-OCT-96				03-OCT-96				03-OCT-96			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Aroclor-1232		2	R	ug/l	2	-		ug/l		-		ug/l		2	U	ug/l	2
Aroclor-1242		1	R	ug/l	1	-		ug/l		-		ug/l		1	U	ug/l	1
Aroclor-1248		1	R	ug/l	1	-		ug/l		-		ug/l		1	U	ug/l	1
Aroclor-1254		.5	R	ug/l	.5	-		ug/l		-		ug/l		.5	U	ug/l	.5
Aroclor-1260		.5	R	ug/l	.5	-		ug/l		-		ug/l		.5	U	ug/l	.5
INORGANICS (WATER)	ug/l																
Antimony		3.4	U	ug/l	3.4	-		ug/l		-		ug/l		5.4	UJ	ug/l	5.4
Arsenic		11.8		ug/l	5.2	-		ug/l		-		ug/l		5.2	U	ug/l	5.2
Barium		52.2	J	ug/l	.18	-		ug/l		-		ug/l		12.3	J	ug/l	.18
Beryllium		.11	U	ug/l	.11	-		ug/l		-		ug/l		.11	U	ug/l	.11
Cadmium		.38	U	ug/l	.38	-		ug/l		-		ug/l		.38	U	ug/l	.38
Calcium		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Chromium		2.5	J	ug/l	.34	-		ug/l		-		ug/l		16.4		ug/l	.34
Cobalt		.59	UJ	ug/l	.59	-		ug/l		-		ug/l		.57	UJ	ug/l	.57
Copper		24.2	UJ	ug/l	24.2	-		ug/l		-		ug/l		17.4	UJ	ug/l	17.4
Cyanide		2	J	ug/l	.88	-		ug/l		-		ug/l		1.1	J	ug/l	.88
Iron		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Lead		2.2	UJ	ug/l	2.2	-		ug/l		-		ug/l		4.8	UJ	ug/l	4.8
Magnesium		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Manganese		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Mercury		.01	U	ug/l	.01	-		ug/l		-		ug/l		.06	UJ	ug/l	.06
Nickel		1.2	U	ug/l	1.2	-		ug/l		-		ug/l		2.7	UJ	ug/l	2.7
Selenium		3.9	U	ug/l	3.9	-		ug/l		-		ug/l		3.9	U	ug/l	3.9
Silver		.85	U	ug/l	.85	-		ug/l		-		ug/l		.85	U	ug/l	.85
Sodium		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Thallium		1.9	U	ug/l	1.9	-		ug/l		-		ug/l		1.9	U	ug/l	1.9
Tin		97		ug/l	6.8	-		ug/l		-		ug/l		207		ug/l	6.8
Vanadium		2.5	J	ug/l	.59	-		ug/l		-		ug/l		4.8	J	ug/l	.59
Zinc		68.4	UJ	ug/l	68.4	-		ug/l		-		ug/l		54.5	UJ	ug/l	54.5
GROUND WATER QUALITY	mg/l																
Alkalinity as CaCO3		-		mg/l		1020		mg/l	3	871		mg/l	3	-		mg/l	
Ammonia-N		-		mg/l		8.7		mg/l	.2	1.3		mg/l	.2	-		mg/l	
Chloride		-		mg/l		9900		mg/l	400	2220		mg/l	200	-		mg/l	
Hardness as CaCO3		-		mg/l		2600		mg/l	3	1230		mg/l	3	-		mg/l	
Nitrate/Nitrite-N		-		mg/l		-		mg/l		-		mg/l		-		mg/l	
Oil and Grease		-		mg/l		-		mg/l		-		mg/l		-		mg/l	
Phosphorous-P, Total		-		mg/l		2.76		mg/l	.5	1.95		mg/l	.05	-		mg/l	
Sulfate		-		mg/l		483		mg/l	40	173		mg/l	100	-		mg/l	
Sulfide		-		mg/l		.1	U	mg/l	.1	.1	U	mg/l	.1	-		mg/l	
Total Dissolved Solids		-		mg/l		11200		mg/l	10	4470		mg/l	10	-		mg/l	
Total Kjeldahl Nitrogen		-		mg/l		12.3		mg/l	.1	6		mg/l	.1	-		mg/l	
Total Organic Carbon		-		mg/l		30.4		mg/l	1	24.4		mg/l	1	-		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.

US Naval Station, Mayport, Florida
Analytical Results for Surface Water Samples Collected at SWMU 4

Lab Sample Number:		MC032004			MC047004			MC048003			MC047003		
Site		GROUPI&II			GROUPI&II			GROUPI&II			GROUPI&II		
Locator		02W034D			02W038			02W038			02W039		
Collect Date:		03-OCT-96			04-OCT-96			04-OCT-96			04-OCT-96		
		VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
VOLATILES	ug/l												
Chloromethane		10 U	ug/l	10	10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Bromomethane		10 U	ug/l	10	10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Vinyl chloride		10 U	ug/l	10	10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Chloroethane		10 U	ug/l	10	10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Methylene chloride		5 U	ug/l	5	5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Acetone		10 U	ug/l	10	10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Carbon disulfide		5 U	ug/l	5	5 U	ug/l	5	-	ug/l		5 U	ug/l	5
1,1-Dichloroethane		5 U	ug/l	5	5 U	ug/l	5	-	ug/l		5 U	ug/l	5
1,1-Dichloroethene		5 U	ug/l	5	5 U	ug/l	5	-	ug/l		5 U	ug/l	5
1,2-Dichloroethene (total)		5 U	ug/l	5	5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Chloroform		5 U	ug/l	5	5 U	ug/l	5	-	ug/l		5 U	ug/l	5
1,2-Dichloroethane		5 U	ug/l	5	5 U	ug/l	5	-	ug/l		5 U	ug/l	5
2-Butanone		10 U	ug/l	10	10 U	ug/l	10	-	ug/l		10 U	ug/l	10
1,1,1-Trichloroethane		5 U	ug/l	5	5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Carbon tetrachloride		5 U	ug/l	5	5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Bromodichloromethane		5 U	ug/l	5	5 U	ug/l	5	-	ug/l		5 U	ug/l	5
1,2-Dichloropropane		5 U	ug/l	5	5 U	ug/l	5	-	ug/l		5 U	ug/l	5
cis-1,3-Dichloropropene		5 U	ug/l	5	5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Trichloroethene		5 U	ug/l	5	5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Dibromochloromethane		5 U	ug/l	5	5 U	ug/l	5	-	ug/l		5 U	ug/l	5
1,1,2-Trichloroethane		5 U	ug/l	5	5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Benzene		5 U	ug/l	5	5 U	ug/l	5	-	ug/l		5 U	ug/l	5
trans-1,3-Dichloropropene		5 U	ug/l	5	5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Bromoform		5 U	ug/l	5	5 U	ug/l	5	-	ug/l		5 U	ug/l	5
4-Methyl-2-pentanone		10 U	ug/l	10	10 U	ug/l	10	-	ug/l		10 U	ug/l	10
2-Hexanone		10 U	ug/l	10	10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Tetrachloroethene		5 U	ug/l	5	5 U	ug/l	5	-	ug/l		5 U	ug/l	5
1,1,2,2-Tetrachloroethane		5 U	ug/l	5	5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Toluene		5 U	ug/l	5	5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Chlorobenzene		5 U	ug/l	5	5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Ethylbenzene		5 U	ug/l	5	5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Styrene		5 U	ug/l	5	5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Xylenes (total)		5 U	ug/l	5	5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Dichlorodifluoromethane		10 U	ug/l	10	10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Trichlorofluoromethane		5 U	ug/l	5	5 U	ug/l	5	-	ug/l		5 U	ug/l	5
1,3-Dichlorobenzene		5 U	ug/l	5	5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Acrolein		100 U	ug/l	100	100 U	ug/l	100	-	ug/l		100 U	ug/l	100
Iodomethane		10 U	ug/l	10	10 U	ug/l	10	-	ug/l		10 U	ug/l	10
1,4-Dichlorobenzene		5 U	ug/l	5	10 U	ug/l	10	-	ug/l		5 U	ug/l	5
Acrylonitrile		100 U	ug/l	100	100 U	ug/l	100	-	ug/l		100 U	ug/l	100

US Naval Station, Mayport, Florida
Analytical Results for Surface Water Samples Collected at SWMU 4

Lab Sample Number:		MC032004				MC047004				MC048003				MC047003			
Site		GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator		02W034D				02W038				02W038				02W039			
Collect Date:		03-OCT-96				04-OCT-96				04-OCT-96				04-OCT-96			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Dibromomethane		5	U	ug/l	5	5	U	ug/l	5	-		ug/l		5	U	ug/l	5
1,2-Dichlorobenzene		5	U	ug/l	5	5	U	ug/l	5	-		ug/l		5	U	ug/l	5
2-Chloroethylvinyl ether		10	U	ug/l	10	10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Ethyl methacrylate		5	U	ug/l	5	5	U	ug/l	5	-		ug/l		5	U	ug/l	5
1,2,3-Trichloropropane		5	U	ug/l	5	5	U	ug/l	5	-		ug/l		5	U	ug/l	5
trans-1,4-Dichloro-2-butene		5	U	ug/l	5	5	U	ug/l	5	-		ug/l		5	U	ug/l	5
Isobutyl alcohol		200	R	ug/l	200	200	R	ug/l	200	-		ug/l		200	R	ug/l	200
1,1,1,2-Tetrachloroethane		5	U	ug/l	5	5	U	ug/l	5	-		ug/l		5	U	ug/l	5
1,2-Dibromo-3-chloropropane		10	U	ug/l	10	10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Ethylene dibromide		5	U	ug/l	5	5	U	ug/l	5	-		ug/l		5	U	ug/l	5
1,4-Dioxane		200	R	ug/l	200	200	R	ug/l	200	-		ug/l		200	R	ug/l	200
3-Chloropropene		5	U	ug/l	5	5	U	ug/l	5	-		ug/l		5	U	ug/l	5
Acetonitrile		100	U	ug/l	100	100	U	ug/l	100	-		ug/l		100	U	ug/l	100
Chloroprene		5	U	ug/l	5	5	U	ug/l	5	-		ug/l		5	U	ug/l	5
Methacrylonitrile		5	U	ug/l	5	5	U	ug/l	5	-		ug/l		5	U	ug/l	5
Methyl methacrylate		10	U	ug/l	10	10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Pentachloroethane		10	R	ug/l	10	10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Propionitrile		100	U	ug/l	100	100	U	ug/l	100	-		ug/l		100	U	ug/l	100
Vinyl acetate		10	U	ug/l	10	10	U	ug/l	10	-		ug/l		10	U	ug/l	10
SEMIVOLATILES	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
Benzyl Alcohol		10	U	ug/l	10	10	U	ug/l	10	-		ug/l		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	UJ	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	U	ug/l	10	10	U	ug/l	10	-		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

US Naval Station, Mayport, Florida
Analytical Results for Surface Water Samples Collected at SWMU 4

Lab Sample Number:	MC032004				MC047004				MC048003				MC047003			
Site	GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator	02W034D				02W038				02W038				02W039			
Collect Date:	03-OCT-96				04-OCT-96				04-OCT-96				04-OCT-96			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Acenaphthene	10	U	ug/l	10	10	U	ug/l	10	-		ug/l		10	U	ug/l	10
2,4-Dinitrophenol	50	U	ug/l	50	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	U	ug/l	50
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	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
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
Dibenzo (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	U	ug/l	10	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	U	ug/l	50	50	UJ	ug/l	50	-		ug/l		50	UJ	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	U	ug/l	50	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	U	ug/l	10	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

US Naval Station, Mayport, Florida
Analytical Results for Surface Water Samples Collected at SWMU 4

Lab Sample Number:		MC032004				MC047004				MC048003				MC047003			
Site		GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator		02W034D				02W038				02W038				02W039			
Collect Date:		03-OCT-96				04-OCT-96				04-OCT-96				04-OCT-96			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
p-Dimethylaminoazobenzene		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	UJ	ug/l	500	-		ug/l		500	UJ	ug/l	500
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	U	ug/l	10	10	U	ug/l	10	-		ug/l		10	U	ug/l	10
4-Nitroquinoline-1-oxide		500	U	ug/l	500	500	U	ug/l	500	-		ug/l		500	U	ug/l	500
Methapyrilene		50	U	ug/l	50	50	UJ	ug/l	50	-		ug/l		50	UJ	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	500	R	ug/l	500	-		ug/l		500	R	ug/l	500
Aramite		50	U	ug/l	50	50	R	ug/l	50	-		ug/l		50	R	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
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
PESTICIDES/PCBs	ug/l																
alpha-BHC		.02	UJ	ug/l	.02	.02	U	ug/l	.02	-		ug/l		.02	U	ug/l	.02
beta-BHC		.04	UJ	ug/l	.04	.04	U	ug/l	.04	-		ug/l		.04	U	ug/l	.04
delta-BHC		.02	UJ	ug/l	.02	.02	U	ug/l	.02	-		ug/l		.02	U	ug/l	.02
gamma-BHC (Lindane)		.02	UJ	ug/l	.02	.02	U	ug/l	.02	-		ug/l		.02	U	ug/l	.02
Heptachlor		.04	UJ	ug/l	.04	.02	U	ug/l	.02	-		ug/l		.02	U	ug/l	.02
Aldrin		.02	UJ	ug/l	.02	.02	U	ug/l	.02	-		ug/l		.02	U	ug/l	.02
Heptachlor epoxide		.02	UJ	ug/l	.02	.02	U	ug/l	.02	-		ug/l		.02	U	ug/l	.02
Endosulfan I		.02	UJ	ug/l	.02	.02	U	ug/l	.02	-		ug/l		.02	U	ug/l	.02
Dieldrin		.02	UJ	ug/l	.02	.02	U	ug/l	.02	-		ug/l		.02	U	ug/l	.02
4,4-DDE		.02	UJ	ug/l	.02	.02	U	ug/l	.02	-		ug/l		.02	U	ug/l	.02
Endrin		.04	UJ	ug/l	.04	.04	U	ug/l	.04	-		ug/l		.04	U	ug/l	.04
Endosulfan II		.04	UJ	ug/l	.04	.04	U	ug/l	.04	-		ug/l		.04	U	ug/l	.04
4,4-DDD		.04	UJ	ug/l	.04	.04	U	ug/l	.04	-		ug/l		.04	U	ug/l	.04
Endosulfan sulfate		.04	UJ	ug/l	.04	.04	U	ug/l	.04	-		ug/l		.04	U	ug/l	.04
4,4-DDT		.04	UJ	ug/l	.04	.04	U	ug/l	.04	-		ug/l		.04	U	ug/l	.04
Methoxychlor		.08	UJ	ug/l	.08	.08	U	ug/l	.08	-		ug/l		.08	U	ug/l	.08
Endrin aldehyde		.04	UJ	ug/l	.04	.04	U	ug/l	.04	-		ug/l		.04	U	ug/l	.04
Endrin ketone		.04	UJ	ug/l	.04	.04	U	ug/l	.04	-		ug/l		.04	U	ug/l	.04
Chlordane		.2	UJ	ug/l	.2	.2	U	ug/l	.2	-		ug/l		.2	U	ug/l	.2
Chlorobenzilate		.5	UJ	ug/l	.5	.5	U	ug/l	.5	-		ug/l		.5	U	ug/l	.5
Diallate		1	UJ	ug/l	1	1	U	ug/l	1	-		ug/l		1	U	ug/l	1
Toxaphene		1	UJ	ug/l	1	1	U	ug/l	1	-		ug/l		1	U	ug/l	1
Isodrin		.02	UJ	ug/l	.02	.02	U	ug/l	.02	-		ug/l		.02	U	ug/l	.02
Kepone		1	UJ	ug/l	1	1	UJ	ug/l	1	-		ug/l		1	UJ	ug/l	1
Aroclor-1016		1	UJ	ug/l	1	1	U	ug/l	1	-		ug/l		1	U	ug/l	1
Aroclor-1221		2	UJ	ug/l	2	2	U	ug/l	2	-		ug/l		2	U	ug/l	2

US Naval Station, Mayport, Florida
Analytical Results for Surface Water Samples Collected at SWMU 4

Lab Sample Number:		MC032004				MC047004				MC048003				MC047003			
Site		GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator		02W034D				02W038				02W038				02W039			
Collect Date:		03-OCT-96				04-OCT-96				04-OCT-96				04-OCT-96			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Aroclor-1232		2	UJ	ug/l	2	2	U	ug/l	2	-		ug/l		2	U	ug/l	2
Aroclor-1242		1	UJ	ug/l	1	1	U	ug/l	1	-		ug/l		1	U	ug/l	1
Aroclor-1248		1	UJ	ug/l	1	1	U	ug/l	1	-		ug/l		1	U	ug/l	1
Aroclor-1254		.5	UJ	ug/l	.5	.5	U	ug/l	.5	-		ug/l		.5	U	ug/l	.5
Aroclor-1260		.5	UJ	ug/l	.5	.5	U	ug/l	.5	-		ug/l		.5	U	ug/l	.5
INORGANICS (WATER)	ug/l																
Antimony		5.1	UJ	ug/l	5.1	3.4	U	ug/l	3.4	-		ug/l		3.4	U	ug/l	3.4
Arsenic		5.2	U	ug/l	5.2	9.2	J	ug/l	5.2	-		ug/l		10.5		ug/l	5.2
Barium		12	J	ug/l	.18	6.9	J	ug/l	.18	-		ug/l		17.4	J	ug/l	.18
Beryllium		.11	U	ug/l	.11	.11	U	ug/l	.11	-		ug/l		.11	U	ug/l	.11
Cadmium		.38	U	ug/l	.38	.38	U	ug/l	.38	-		ug/l		.38	U	ug/l	.38
Calcium		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Chromium		16.2		ug/l	.34	5.3	J	ug/l	.34	-		ug/l		4.3	J	ug/l	.34
Cobalt		.32	U	ug/l	.32	.43	UJ	ug/l	.43	-		ug/l		.43	UJ	ug/l	.43
Copper		25	UJ	ug/l	25	14.7	UJ	ug/l	14.7	-		ug/l		27.2	UJ	ug/l	27.2
Cyanide		2.7	J	ug/l	.88	.88	J	ug/l	.88	-		ug/l		1	J	ug/l	.88
Iron		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Lead		3.5	UJ	ug/l	3.5	1.8	U	ug/l	1.8	-		ug/l		7.1	UJ	ug/l	7.1
Magnesium		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Manganese		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Mercury		.06	UJ	ug/l	.06	.01	U	ug/l	.01	-		ug/l		.06	UJ	ug/l	.06
Nickel		2.8	UJ	ug/l	2.8	1.2	U	ug/l	1.2	-		ug/l		5	UJ	ug/l	5
Selenium		4.2	J	ug/l	3.9	3.9	U	ug/l	3.9	-		ug/l		3.9	U	ug/l	3.9
Silver		.85	U	ug/l	.85	.85	U	ug/l	.85	-		ug/l		.85	U	ug/l	.85
Sodium		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Thallium		1.9	U	ug/l	1.9	2.2	UJ	ug/l	2.2	-		ug/l		2.6	UJ	ug/l	2.6
Tin		204		ug/l	6.8	338		ug/l	6.8	-		ug/l		363		ug/l	6.8
Vanadium		4.6	J	ug/l	.59	2.7	J	ug/l	.59	-		ug/l		2.1	J	ug/l	.59
Zinc		139	J	ug/l	.93	51.4	UJ	ug/l	51.4	-		ug/l		110		ug/l	.93
GROUND WATER QUALITY	mg/l																
Alkalinity as CaCO3		-		mg/l		-		mg/l		539		mg/l	3	-		mg/l	
Ammonia-N		-		mg/l		-		mg/l		4.2		mg/l	.2	-		mg/l	
Chloride		-		mg/l		-		mg/l		3210		mg/l	800	-		mg/l	
Hardness as CaCO3		-		mg/l		-		mg/l		1140		mg/l	3	-		mg/l	
Nitrate/Nitrite-N		-		mg/l		-		mg/l		-		mg/l		-		mg/l	
Oil and Grease		-		mg/l		-		mg/l		-		mg/l		-		mg/l	
Phosphorous-P, Total		-		mg/l		-		mg/l		1.08		mg/l	.05	-		mg/l	
Sulfate		-		mg/l		-		mg/l		146		mg/l	20	-		mg/l	
Sulfide		-		mg/l		-		mg/l		.1	U	mg/l	.1	-		mg/l	
Total Dissolved Solids		-		mg/l		-		mg/l		5710		mg/l	10	-		mg/l	
Total Kjeldahl Nitrogen		-		mg/l		-		mg/l		13.5		mg/l	.1	-		mg/l	
Total Organic Carbon		-		mg/l		-		mg/l		18.1		mg/l	1	-		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.

US Naval Station, Mayport, Florida
Analytical Results for Surface Water Samples Collected at SWMU 4

Lab Sample Number:		MC048002			MB980002			MB981001		
Site		GROUPI&II			GROUPI&II			GROUPI&II		
Locator		02W039			04W001			04W001		
Collect Date:		04-OCT-96			30-SEP-96			30-SEP-96		
		VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
VOLATILES	ug/l									
Chloromethane		-	ug/l		10 U	ug/l	10	-	ug/l	
Bromomethane		-	ug/l		10 U	ug/l	10	-	ug/l	
Vinyl chloride		-	ug/l		10 U	ug/l	10	-	ug/l	
Chloroethane		-	ug/l		10 U	ug/l	10	-	ug/l	
Methylene chloride		-	ug/l		5 U	ug/l	5	-	ug/l	
Acetone		-	ug/l		10 U	ug/l	10	-	ug/l	
Carbon disulfide		-	ug/l		5 U	ug/l	5	-	ug/l	
1,1-Dichloroethane		-	ug/l		5 U	ug/l	5	-	ug/l	
1,1-Dichloroethene		-	ug/l		5 U	ug/l	5	-	ug/l	
1,2-Dichloroethene (total)		-	ug/l		5 U	ug/l	5	-	ug/l	
Chloroform		-	ug/l		5 U	ug/l	5	-	ug/l	
1,2-Dichloroethane		-	ug/l		5 U	ug/l	5	-	ug/l	
2-Butanone		-	ug/l		10 U	ug/l	10	-	ug/l	
1,1,1-Trichloroethane		-	ug/l		5 U	ug/l	5	-	ug/l	
Carbon tetrachloride		-	ug/l		5 U	ug/l	5	-	ug/l	
Bromodichloromethane		-	ug/l		5 U	ug/l	5	-	ug/l	
1,2-Dichloropropane		-	ug/l		5 U	ug/l	5	-	ug/l	
cis-1,3-Dichloropropene		-	ug/l		5 U	ug/l	5	-	ug/l	
Trichloroethene		-	ug/l		5 U	ug/l	5	-	ug/l	
Dibromochloromethane		-	ug/l		5 U	ug/l	5	-	ug/l	
1,1,2-Trichloroethane		-	ug/l		5 U	ug/l	5	-	ug/l	
Benzene		-	ug/l		5 U	ug/l	5	-	ug/l	
trans-1,3-Dichloropropene		-	ug/l		5 U	ug/l	5	-	ug/l	
Bromoform		-	ug/l		5 U	ug/l	5	-	ug/l	
4-Methyl-2-pentanone		-	ug/l		10 U	ug/l	10	-	ug/l	
2-Hexanone		-	ug/l		10 U	ug/l	10	-	ug/l	
Tetrachloroethene		-	ug/l		5 U	ug/l	5	-	ug/l	
1,1,2,2-Tetrachloroethane		-	ug/l		5 U	ug/l	5	-	ug/l	
Toluene		-	ug/l		5 U	ug/l	5	-	ug/l	
Chlorobenzene		-	ug/l		5 U	ug/l	5	-	ug/l	
Ethylbenzene		-	ug/l		5 U	ug/l	5	-	ug/l	
Styrene		-	ug/l		5 U	ug/l	5	-	ug/l	
Xylenes (total)		-	ug/l		5 U	ug/l	5	-	ug/l	
Dichlorodifluoromethane		-	ug/l		10 U	ug/l	10	-	ug/l	
Trichlorofluoromethane		-	ug/l		5 U	ug/l	5	-	ug/l	
1,3-Dichlorobenzene		-	ug/l		10 U	ug/l	10	-	ug/l	
Acrolein		-	ug/l		100 U	ug/l	100	-	ug/l	
Iodomethane		-	ug/l		10 U	ug/l	10	-	ug/l	
1,4-Dichlorobenzene		-	ug/l		5 U	ug/l	5	-	ug/l	
Acrylonitrile		-	ug/l		100 U	ug/l	100	-	ug/l	

US Naval Station, Mayport, Florida
Analytical Results for Surface Water Samples Collected at SWMU 4

Lab Sample Number:		MC048002			MB980002			MB981001		
Site		GROUPI&II			GROUPI&II			GROUPI&II		
Locator		02W039			04W001			04W001		
Collect Date:		04-OCT-96			30-SEP-96			30-SEP-96		
		VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
Dibromomethane		-	ug/l		5 U	ug/l	5	-	ug/l	
1,2-Dichlorobenzene		-	ug/l		5 U	ug/l	5	-	ug/l	
2-Chloroethylvinyl ether		-	ug/l		10 U	ug/l	10	-	ug/l	
Ethyl methacrylate		-	ug/l		5 U	ug/l	5	-	ug/l	
1,2,3-Trichloropropane		-	ug/l		5 U	ug/l	5	-	ug/l	
trans-1,4-Dichloro-2-butene		-	ug/l		5 U	ug/l	5	-	ug/l	
Isobutyl alcohol		-	ug/l		200 R	ug/l	200	-	ug/l	
1,1,1,2-Tetrachloroethane		-	ug/l		5 U	ug/l	5	-	ug/l	
1,2-Dibromo-3-chloropropane		-	ug/l		10 U	ug/l	10	-	ug/l	
Ethylene dibromide		-	ug/l		5 U	ug/l	5	-	ug/l	
1,4-Dioxane		-	ug/l		200 R	ug/l	200	-	ug/l	
3-Chloropropene		-	ug/l		5 U	ug/l	5	-	ug/l	
Acetonitrile		-	ug/l		100 U	ug/l	100	-	ug/l	
Chloroprene		-	ug/l		5 U	ug/l	5	-	ug/l	
Methacrylonitrile		-	ug/l		5 U	ug/l	5	-	ug/l	
Methyl methacrylate		-	ug/l		10 U	ug/l	10	-	ug/l	
Pentachloroethane		-	ug/l		10 U	ug/l	10	-	ug/l	
Propionitrile		-	ug/l		100 U	ug/l	100	-	ug/l	
Vinyl acetate		-	ug/l		10 U	ug/l	10	-	ug/l	
SEMIVOLATILES	ug/l									
N-Nitrosodimethylamine		-	ug/l		10 U	ug/l	10	-	ug/l	
Phenol		-	ug/l		10 U	ug/l	10	-	ug/l	
Aniline		-	ug/l		10 U	ug/l	10	-	ug/l	
bis(2-Chloroethyl) ether		-	ug/l		10 U	ug/l	10	-	ug/l	
Benzyl Alcohol		-	ug/l		10 U	ug/l	10	-	ug/l	
2-Methylphenol		-	ug/l		10 U	ug/l	10	-	ug/l	
bis(2-Chloroisopropyl) ether		-	ug/l		10 U	ug/l	10	-	ug/l	
N-Nitroso-di-n-propylamine		-	ug/l		10 U	ug/l	10	-	ug/l	
Hexachloroethane		-	ug/l		10 U	ug/l	10	-	ug/l	
Nitrobenzene		-	ug/l		10 U	ug/l	10	-	ug/l	
Isophorone		-	ug/l		10 U	ug/l	10	-	ug/l	
2-Nitrophenol		-	ug/l		10 U	ug/l	10	-	ug/l	
2,4-Dimethylphenol		-	ug/l		10 U	ug/l	10	-	ug/l	
Benzoic acid		-	ug/l		50 UJ	ug/l	50	-	ug/l	
bis(2-Chloroethoxy) methane		-	ug/l		10 U	ug/l	10	-	ug/l	
2,4-Dichlorophenol		-	ug/l		10 U	ug/l	10	-	ug/l	
1,2,4-Trichlorobenzene		-	ug/l		10 U	ug/l	10	-	ug/l	
Naphthalene		-	ug/l		10 U	ug/l	10	-	ug/l	
4-Chloroaniline		-	ug/l		10 U	ug/l	10	-	ug/l	
Hexachlorobutadiene		-	ug/l		10 U	ug/l	10	-	ug/l	
4-Chloro-3-methylphenol		-	ug/l		10 U	ug/l	10	-	ug/l	
2-Methylnaphthalene		-	ug/l		10 U	ug/l	10	-	ug/l	
Hexachlorocyclopentadiene		-	ug/l		10 U	ug/l	10	-	ug/l	
2,4,6-Trichlorophenol		-	ug/l		10 U	ug/l	10	-	ug/l	
Dimethylphthalate		-	ug/l		10 U	ug/l	10	-	ug/l	
2,4,5-Trichlorophenol		-	ug/l		50 U	ug/l	50	-	ug/l	
2-Chloronaphthalene		-	ug/l		10 U	ug/l	10	-	ug/l	
2-Nitroaniline		-	ug/l		50 U	ug/l	50	-	ug/l	
Acenaphthylene		-	ug/l		10 U	ug/l	10	-	ug/l	
2,6-Dinitrotoluene		-	ug/l		10 U	ug/l	10	-	ug/l	
3-Nitroaniline		-	ug/l		50 U	ug/l	50	-	ug/l	

US Naval Station, Mayport, Florida
Analytical Results for Surface Water Samples Collected at SWMU 4

Lab Sample Number:	MC048002				MB980002				MB981001			
Site	GROUPI&II				GROUPI&II				GROUPI&II			
Locator	02W039				04W001				04W001			
Collect Date:	04-OCT-96				30-SEP-96				30-SEP-96			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Acenaphthene	-		ug/l		10	U	ug/l	10	-		ug/l	
2,4-Dinitrophenol	-		ug/l		50	U	ug/l	50	-		ug/l	
4-Nitrophenol	-		ug/l		50	U	ug/l	50	-		ug/l	
Dibenzofuran	-		ug/l		10	U	ug/l	10	-		ug/l	
2,4-Dinitrotoluene	-		ug/l		10	U	ug/l	10	-		ug/l	
Diethylphthalate	-		ug/l		10	U	ug/l	10	-		ug/l	
4-Chlorophenyl-phenylether	-		ug/l		10	U	ug/l	10	-		ug/l	
Fluorene	-		ug/l		10	U	ug/l	10	-		ug/l	
4-Nitroaniline	-		ug/l		50	U	ug/l	50	-		ug/l	
4,6-Dinitro-2-methylphenol	-		ug/l		50	U	ug/l	50	-		ug/l	
N-Nitrosodiphenylamine	-		ug/l		10	U	ug/l	10	-		ug/l	
1,2-Diphenylhydrazine	-		ug/l		10	U	ug/l	10	-		ug/l	
4-Bromophenyl-phenylether	-		ug/l		10	U	ug/l	10	-		ug/l	
Hexachlorobenzene	-		ug/l		10	U	ug/l	10	-		ug/l	
Pentachlorophenol	-		ug/l		50	U	ug/l	50	-		ug/l	
Phenanthrene	-		ug/l		10	U	ug/l	10	-		ug/l	
Anthracene	-		ug/l		10	U	ug/l	10	-		ug/l	
Di-n-Butylphthalate	-		ug/l		10	U	ug/l	10	-		ug/l	
Fluoranthene	-		ug/l		10	U	ug/l	10	-		ug/l	
Pyrene	-		ug/l		10	U	ug/l	10	-		ug/l	
Butylbenzylphthalate	-		ug/l		10	U	ug/l	10	-		ug/l	
3,3-Dichlorobenzidine	-		ug/l		20	U	ug/l	20	-		ug/l	
Benzo (a) anthracene	-		ug/l		10	U	ug/l	10	-		ug/l	
Chrysene	-		ug/l		10	U	ug/l	10	-		ug/l	
bis(2-Ethylhexyl) phthalate	-		ug/l		10	U	ug/l	10	-		ug/l	
Di-n-octylphthalate	-		ug/l		10	U	ug/l	10	-		ug/l	
Benzo (b) fluoranthene	-		ug/l		10	U	ug/l	10	-		ug/l	
Benzo (k) fluoranthene	-		ug/l		10	U	ug/l	10	-		ug/l	
Benzo (a) pyrene	-		ug/l		10	U	ug/l	10	-		ug/l	
Indeno (1,2,3-cd) pyrene	-		ug/l		10	U	ug/l	10	-		ug/l	
Dibenzo (a,h) anthracene	-		ug/l		10	U	ug/l	10	-		ug/l	
Benzo (g,h,i) perylene	-		ug/l		10	U	ug/l	10	-		ug/l	
2-Picoline	-		ug/l		50	U	ug/l	50	-		ug/l	
Methyl methanesulfonate	-		ug/l		10	U	ug/l	10	-		ug/l	
Ethyl methanesulfonate	-		ug/l		10	U	ug/l	10	-		ug/l	
Acetophenone	-		ug/l		10	U	ug/l	10	-		ug/l	
N-Nitrosopiperidine	-		ug/l		10	U	ug/l	10	-		ug/l	
Phenyl-tert-butylamine	-		ug/l		50	U	ug/l	50	-		ug/l	
2,6-Dichlorophenol	-		ug/l		10	U	ug/l	10	-		ug/l	
N-Nitroso-di-n-butylamine	-		ug/l		10	U	ug/l	10	-		ug/l	
N-Nitrosodiethylamine	-		ug/l		10	U	ug/l	10	-		ug/l	
N-Nitrosopyrrolidine	-		ug/l		10	U	ug/l	10	-		ug/l	
Benzidine	-		ug/l		50	U	ug/l	50	-		ug/l	
1,2,4,5-Tetrachlorobenzene	-		ug/l		50	U	ug/l	50	-		ug/l	
Pentachlorobenzene	-		ug/l		50	U	ug/l	50	-		ug/l	
1-Naphthylamine	-		ug/l		50	U	ug/l	50	-		ug/l	
2-Naphthylamine	-		ug/l		50	U	ug/l	50	-		ug/l	
2,3,4,6-Tetrachlorophenol	-		ug/l		10	U	ug/l	10	-		ug/l	
Phenacetin	-		ug/l		10	U	ug/l	10	-		ug/l	
4-Aminobiphenyl	-		ug/l		50	U	ug/l	50	-		ug/l	
Pentachloronitrobenzene	-		ug/l		50	U	ug/l	50	-		ug/l	
Pronamide	-		ug/l		10	U	ug/l	10	-		ug/l	

US Naval Station, Mayport, Florida
Analytical Results for Surface Water Samples Collected at SWMU 4

Lab Sample Number:		MC048002			MB980002			MB981001		
Site		GROUPI&II			GROUPI&II			GROUPI&II		
Locator		02W039			04W001			04W001		
Collect Date:		04-OCT-96			30-SEP-96			30-SEP-96		
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
p-Dimethylaminoazobenzene		-	ug/l		10	U	ug/l	10	-		ug/l	
7,12-Dimethylbenz(A)Anthracene		-	ug/l		10	U	ug/l	10	-		ug/l	
3-Methylcholanthrene		-	ug/l		10	U	ug/l	10	-		ug/l	
Pyridine		-	ug/l		50	U	ug/l	50	-		ug/l	
N-Nitrosomethylethylamine		-	ug/l		10	U	ug/l	10	-		ug/l	
N-Nitrosomorpholine		-	ug/l		10	U	ug/l	10	-		ug/l	
o-Toluidine		-	ug/l		10	U	ug/l	10	-		ug/l	
Hexachloropropene		-	ug/l		50	U	ug/l	50	-		ug/l	
p-Phenylenediamine		-	ug/l		500	U	ug/l	500	-		ug/l	
Safrole		-	ug/l		50	U	ug/l	50	-		ug/l	
Isosafrole		-	ug/l		50	U	ug/l	50	-		ug/l	
1,4-Naphthoquinone		-	ug/l		1000	U	ug/l	1000	-		ug/l	
1,3-Dinitrobenzene		-	ug/l		10	U	ug/l	10	-		ug/l	
5-Nitro-o-toluidine		-	ug/l		10	U	ug/l	10	-		ug/l	
1,3,5-Trinitrobenzene		-	ug/l		10	U	ug/l	10	-		ug/l	
4-Nitroquinoline-1-oxide		-	ug/l		500	U	ug/l	500	-		ug/l	
Methapyrilene		-	ug/l		50	U	ug/l	50	-		ug/l	
3,3-Dimethylbenzidine		-	ug/l		10	U	ug/l	10	-		ug/l	
Hexachlorophene		-	ug/l		500	R	ug/l	500	-		ug/l	
Aramite		-	ug/l		50	U	ug/l	50	-		ug/l	
2-Chlorophenol		-	ug/l		10	U	ug/l	10	-		ug/l	
3- & 4-Methylphenol (2)		-	ug/l		10	U	ug/l	10	-		ug/l	
Hexachloropropene		-	ug/l		50	U	ug/l	50	-		ug/l	
2-Acetylaminofluorene		-	ug/l		10	U	ug/l	10	-		ug/l	
PESTICIDES/PCBs	ug/l											
alpha-BHC		-	ug/l		.02	U	ug/l	.02	-		ug/l	
beta-BHC		-	ug/l		.04	U	ug/l	.04	-		ug/l	
delta-BHC		-	ug/l		.02	U	ug/l	.02	-		ug/l	
gamma-BHC (Lindane)		-	ug/l		.02	U	ug/l	.02	-		ug/l	
Heptachlor		-	ug/l		.02	U	ug/l	.02	-		ug/l	
Aldrin		-	ug/l		.02	U	ug/l	.02	-		ug/l	
Heptachlor epoxide		-	ug/l		.02	U	ug/l	.02	-		ug/l	
Endosulfan I		-	ug/l		.02	U	ug/l	.02	-		ug/l	
Dieldrin		-	ug/l		.02	U	ug/l	.02	-		ug/l	
4,4-DDE		-	ug/l		.02	U	ug/l	.02	-		ug/l	
Endrin		-	ug/l		.04	U	ug/l	.04	-		ug/l	
Endosulfan II		-	ug/l		.04	U	ug/l	.04	-		ug/l	
4,4-DDD		-	ug/l		.04	U	ug/l	.04	-		ug/l	
Endosulfan sulfate		-	ug/l		.04	U	ug/l	.04	-		ug/l	
4,4-DDT		-	ug/l		.04	U	ug/l	.04	-		ug/l	
Methoxychlor		-	ug/l		.08	U	ug/l	.08	-		ug/l	
Endrin aldehyde		-	ug/l		.04	U	ug/l	.04	-		ug/l	
Endrin ketone		-	ug/l		.04	U	ug/l	.04	-		ug/l	
Chlordane		-	ug/l		.2	U	ug/l	.2	-		ug/l	
Chlorobenzilate		-	ug/l		.5	U	ug/l	.5	-		ug/l	
Diallate		-	ug/l		1	U	ug/l	1	-		ug/l	
Toxaphene		-	ug/l		1	U	ug/l	1	-		ug/l	
Isodrin		-	ug/l		.02	U	ug/l	.02	-		ug/l	
Kepone		-	ug/l		1	UJ	ug/l	1	-		ug/l	
Aroclor-1016		-	ug/l		1	U	ug/l	1	-		ug/l	
Aroclor-1221		-	ug/l		2	U	ug/l	2	-		ug/l	

US Naval Station, Mayport, Florida
Analytical Results for Surface Water Samples Collected at SWMU 4

Lab Sample Number:		MC048002				MB980002				MB981001			
Site		GROUPI&II				GROUPI&II				GROUPI&II			
Locator		02W039				04W001				04W001			
Collect Date:		04-OCT-96				30-SEP-96				30-SEP-96			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Aroclor-1232		-		ug/l		2	U	ug/l	2	-		ug/l	
Aroclor-1242		-		ug/l		1	U	ug/l	1	-		ug/l	
Aroclor-1248		-		ug/l		1	U	ug/l	1	-		ug/l	
Aroclor-1254		-		ug/l		.5	U	ug/l	.5	-		ug/l	
Aroclor-1260		-		ug/l		.5	U	ug/l	.5	-		ug/l	
INORGANICS (WATER)	ug/l												
Antimony		-		ug/l		3.4	U	ug/l	3.4	-		ug/l	
Arsenic		-		ug/l		5.2	U	ug/l	5.2	-		ug/l	
Barium		-		ug/l		40.7	J	ug/l	.18	-		ug/l	
Beryllium		-		ug/l		.11	U	ug/l	.11	-		ug/l	
Cadmium		-		ug/l		.38	U	ug/l	.38	-		ug/l	
Calcium		-		ug/l		-		ug/l		-		ug/l	
Chromium		-		ug/l		25.2		ug/l	.34	-		ug/l	
Cobalt		-		ug/l		.95	UJ	ug/l	.95	-		ug/l	
Copper		-		ug/l		14.7	UJ	ug/l	14.7	-		ug/l	
Cyanide		-		ug/l		1.2	J	ug/l	.88	-		ug/l	
Iron		-		ug/l		-		ug/l		-		ug/l	
Lead		-		ug/l		1.8	U	ug/l	1.8	-		ug/l	
Magnesium		-		ug/l		-		ug/l		-		ug/l	
Manganese		-		ug/l		-		ug/l		-		ug/l	
Mercury		-		ug/l		.06	UJ	ug/l	.06	-		ug/l	
Nickel		-		ug/l		1.2	U	ug/l	1.2	-		ug/l	
Selenium		-		ug/l		9.6		ug/l	3.9	-		ug/l	
Silver		-		ug/l		.85	U	ug/l	.85	-		ug/l	
Sodium		-		ug/l		-		ug/l		-		ug/l	
Thallium		-		ug/l		1.9	U	ug/l	1.9	-		ug/l	
Tin		-		ug/l		245		ug/l	6.8	-		ug/l	
Vanadium		-		ug/l		4.2	J	ug/l	.59	-		ug/l	
Zinc		-		ug/l		32.4	UJ	ug/l	32.4	-		ug/l	
GROUND WATER QUALITY	mg/l												
Alkalinity as CaCO3		342		mg/l	3	-		mg/l		911		mg/l	3
Ammonia-N		2.5		mg/l	.2	-		mg/l		6.7		mg/l	.2
Chloride		1060		mg/l	800	-		mg/l		4470		mg/l	200
Hardness as CaCO3		688		mg/l	3	-		mg/l		2100		mg/l	3
Nitrate/Nitrite-N		-		mg/l		-		mg/l		-		mg/l	
Oil and Grease		-		mg/l		-		mg/l		-		mg/l	
Phosphorous-P, Total		.75		mg/l	.05	-		mg/l		1.68		mg/l	.05
Sulfate		147		mg/l	10	-		mg/l		340		mg/l	40
Sulfide		.1	U	mg/l	.1	-		mg/l		.4		mg/l	.1
Total Dissolved Solids		2330		mg/l	10	-		mg/l		8710		mg/l	10
Total Kjeldahl Nitrogen		6.5		mg/l	.1	-		mg/l		11		mg/l	.1
Total Organic Carbon		17.6		mg/l	1	-		mg/l		32.8		mg/l	1

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.

SOLID WASTE MANAGEMENT UNIT 49

US Naval Station, Mayport, Florida
Analytical Results for Sediment Samples Collected at SWMU 49

Lab Sample Number:		21528017			21528016			21528015			21528012		
Site		GROUPI&II			GROUPI&II			GROUPI&II			GROUPI&II		
Locator		MPT49SD11			MPT49SD21			MPT49SD31			MPT49SD61		
Collect Date:		22-APR-92			22-APR-92			22-APR-92			22-APR-92		
		VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
VOLATILES	ug/kg												
Chloromethane		-	ug/kg		-	ug/kg		-	ug/kg		-	ug/kg	
Bromomethane		-	ug/kg		-	ug/kg		-	ug/kg		-	ug/kg	
Vinyl chloride		-	ug/kg		-	ug/kg		-	ug/kg		-	ug/kg	
Chloroethane		-	ug/kg		-	ug/kg		-	ug/kg		-	ug/kg	
Methylene chloride		-	ug/kg		-	ug/kg		-	ug/kg		-	ug/kg	
Acetone		-	ug/kg		-	ug/kg		-	ug/kg		-	ug/kg	
Carbon disulfide		-	ug/kg		-	ug/kg		-	ug/kg		-	ug/kg	
1,1-Dichloroethane		-	ug/kg		-	ug/kg		-	ug/kg		-	ug/kg	
1,1-Dichloroethene		-	ug/kg		-	ug/kg		-	ug/kg		-	ug/kg	
1,2-Dichloroethene (total)		-	ug/kg		-	ug/kg		-	ug/kg		-	ug/kg	
Chloroform		-	ug/kg		-	ug/kg		-	ug/kg		-	ug/kg	
1,2-Dichloroethane		-	ug/kg		-	ug/kg		-	ug/kg		-	ug/kg	
2-Butanone		-	ug/kg		-	ug/kg		-	ug/kg		-	ug/kg	
1,1,1-Trichloroethane		-	ug/kg		-	ug/kg		-	ug/kg		-	ug/kg	
Carbon tetrachloride		-	ug/kg		-	ug/kg		-	ug/kg		-	ug/kg	
Bromodichloromethane		-	ug/kg		-	ug/kg		-	ug/kg		-	ug/kg	
1,2-Dichloropropane		-	ug/kg		-	ug/kg		-	ug/kg		-	ug/kg	
cis-1,3-Dichloropropene		-	ug/kg		-	ug/kg		-	ug/kg		-	ug/kg	
Trichloroethene		-	ug/kg		-	ug/kg		-	ug/kg		-	ug/kg	
Dibromochloromethane		-	ug/kg		-	ug/kg		-	ug/kg		-	ug/kg	
1,1,2-Trichloroethane		-	ug/kg		-	ug/kg		-	ug/kg		-	ug/kg	
Benzene		-	ug/kg		-	ug/kg		-	ug/kg		-	ug/kg	
trans-1,3-Dichloropropene		-	ug/kg		-	ug/kg		-	ug/kg		-	ug/kg	
Bromoform		-	ug/kg		-	ug/kg		-	ug/kg		-	ug/kg	
4-Methyl-2-pentanone		-	ug/kg		-	ug/kg		-	ug/kg		-	ug/kg	
2-Hexanone		-	ug/kg		-	ug/kg		-	ug/kg		-	ug/kg	
Tetrachloroethene		-	ug/kg		-	ug/kg		-	ug/kg		-	ug/kg	
1,1,2,2-Tetrachloroethane		-	ug/kg		-	ug/kg		-	ug/kg		-	ug/kg	
Toluene		-	ug/kg		-	ug/kg		-	ug/kg		-	ug/kg	
Chlorobenzene		-	ug/kg		-	ug/kg		-	ug/kg		-	ug/kg	
Ethylbenzene		-	ug/kg		-	ug/kg		-	ug/kg		-	ug/kg	
Styrene		-	ug/kg		-	ug/kg		-	ug/kg		-	ug/kg	
Xylenes (total)		-	ug/kg		-	ug/kg		-	ug/kg		-	ug/kg	
Dichlorodifluoromethane		-	ug/kg		-	ug/kg		-	ug/kg		-	ug/kg	
Trichlorofluoromethane		-	ug/kg		-	ug/kg		-	ug/kg		-	ug/kg	
1,3-Dichlorobenzene		650 U	ug/kg	650	2500 U	ug/kg	2500	420 U	ug/kg	420	610 U	ug/kg	610
Acrolein		-	ug/kg		-	ug/kg		-	ug/kg		-	ug/kg	
Iodomethane		-	ug/kg		-	ug/kg		-	ug/kg		-	ug/kg	
1,4-Dichlorobenzene		650 U	ug/kg	650	2500 U	ug/kg	2500	420 U	ug/kg	420	610 U	ug/kg	610
Acrylonitrile		-	ug/kg		-	ug/kg		-	ug/kg		-	ug/kg	
Dibromomethane		-	ug/kg		-	ug/kg		-	ug/kg		-	ug/kg	
1,2-Dichlorobenzene		650 U	ug/kg	650	2500 U	ug/kg	2500	420 U	ug/kg	420	610 U	ug/kg	610
2-Chloroethylvinyl ether		-	ug/kg		-	ug/kg		-	ug/kg		-	ug/kg	
Ethyl methacrylate		-	ug/kg		-	ug/kg		-	ug/kg		-	ug/kg	
1,2,3-Trichloropropane		-	ug/kg		-	ug/kg		-	ug/kg		-	ug/kg	
trans-1,4-Dichloro-2-butene		-	ug/kg		-	ug/kg		-	ug/kg		-	ug/kg	
Isobutyl alcohol		-	ug/kg		-	ug/kg		-	ug/kg		-	ug/kg	
1,1,1,2-Tetrachloroethane		-	ug/kg		-	ug/kg		-	ug/kg		-	ug/kg	
1,2-Dibromo-3-chloropropane		-	ug/kg		-	ug/kg		-	ug/kg		-	ug/kg	
Ethylene dibromide		-	ug/kg		-	ug/kg		-	ug/kg		-	ug/kg	

US Naval Station, Mayport, Florida
Analytical Results for Sediment Samples Collected at SWMU 49

Lab Sample Number:		21528017				21528016				21528015				21528012			
Site		GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator		MPT49SD11				MPT49SD21				MPT49SD31				MPT49SD61			
Collect Date:		22-APR-92				22-APR-92				22-APR-92				22-APR-92			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
1,4-Dioxane		-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
3-Chloropropene		-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Acetonitrile		-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Chloroprene		-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Methacrylonitrile		-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Methyl methacrylate		-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Pentachloroethane		-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Propionitrile		-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Vinyl acetate		-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
SEMIVOLATILES	ug/kg																
N-Nitrosodimethylamine		650	U	ug/kg	650	2500	U	ug/kg	2500	420	U	ug/kg	420	610	U	ug/kg	610
Phenol		650	U	ug/kg	650	2500	U	ug/kg	2500	420	U	ug/kg	420	610	U	ug/kg	610
Aniline		650	U	ug/kg	650	2500	U	ug/kg	2500	420	U	ug/kg	420	610	U	ug/kg	610
bis(2-Chloroethyl) ether		650	U	ug/kg	650	2500	U	ug/kg	2500	420	U	ug/kg	420	610	U	ug/kg	610
Benzyl Alcohol		650	U	ug/kg	650	2500	U	ug/kg	2500	420	U	ug/kg	420	610	U	ug/kg	610
2-Methylphenol		650	U	ug/kg	650	2500	U	ug/kg	2500	420	U	ug/kg	420	610	U	ug/kg	610
bis(2-Chloroisopropyl) ether		650	UJ	ug/kg	650	2500	UJ	ug/kg	2500	420	UJ	ug/kg	420	610	UJ	ug/kg	610
N-Nitroso-di-n-propylamine		650	U	ug/kg	650	2500	U	ug/kg	2500	420	U	ug/kg	420	610	U	ug/kg	610
Hexachloroethane		650	U	ug/kg	650	2500	U	ug/kg	2500	420	U	ug/kg	420	610	U	ug/kg	610
Nitrobenzene		650	U	ug/kg	650	2500	U	ug/kg	2500	420	U	ug/kg	420	610	U	ug/kg	610
Isophorone		650	U	ug/kg	650	2500	U	ug/kg	2500	420	U	ug/kg	420	610	U	ug/kg	610
2-Nitrophenol		650	U	ug/kg	650	2500	U	ug/kg	2500	420	U	ug/kg	420	610	U	ug/kg	610
2,4-Dimethylphenol		650	U	ug/kg	650	2500	U	ug/kg	2500	420	U	ug/kg	420	610	U	ug/kg	610
Benzoic acid		3100	U	ug/kg	3100	12000	U	ug/kg	12000	2100	U	ug/kg	2100	3000	U	ug/kg	3000
bis(2-Chloroethoxy) methane		650	U	ug/kg	650	2500	U	ug/kg	2500	420	U	ug/kg	420	610	U	ug/kg	610
2,4-Dichlorophenol		650	U	ug/kg	650	2500	U	ug/kg	2500	420	U	ug/kg	420	610	U	ug/kg	610
1,2,4-Trichlorobenzene		650	U	ug/kg	650	2500	U	ug/kg	2500	420	U	ug/kg	420	610	U	ug/kg	610
Naphthalene		650	U	ug/kg	650	16000		ug/kg	2500	420	U	ug/kg	420	610	U	ug/kg	610
4-Chloroaniline		650	U	ug/kg	650	2500	U	ug/kg	2500	420	U	ug/kg	420	610	U	ug/kg	610
Hexachlorobutadiene		650	U	ug/kg	650	2500	U	ug/kg	2500	420	U	ug/kg	420	610	U	ug/kg	610
4-Chloro-3-methylphenol		650	U	ug/kg	650	2500	U	ug/kg	2500	420	U	ug/kg	420	610	U	ug/kg	610
2-Methylnaphthalene		650	U	ug/kg	650	1300	J	ug/kg	2500	420	U	ug/kg	420	610	U	ug/kg	610
Hexachlorocyclopentadiene		650	U	ug/kg	650	2500	U	ug/kg	2500	420	U	ug/kg	420	610	U	ug/kg	610
2,4,6-Trichlorophenol		650	U	ug/kg	650	2500	U	ug/kg	2500	420	U	ug/kg	420	610	U	ug/kg	610
Dimethylphthalate		650	U	ug/kg	650	2500	U	ug/kg	2500	420	U	ug/kg	420	610	U	ug/kg	610
2,4,5-Trichlorophenol		3100	U	ug/kg	3100	12000	U	ug/kg	12000	2100	U	ug/kg	2100	3000	U	ug/kg	3000
2-Chloronaphthalene		650	U	ug/kg	650	2500	U	ug/kg	2500	420	U	ug/kg	420	610	U	ug/kg	610
2-Nitroaniline		3100	U	ug/kg	3100	12000	U	ug/kg	12000	2100	U	ug/kg	2100	3000	U	ug/kg	3000
Acenaphthylene		650	U	ug/kg	650	2500	U	ug/kg	2500	420	U	ug/kg	420	610	U	ug/kg	610
2,6-Dinitrotoluene		650	U	ug/kg	650	2500	U	ug/kg	2500	420	U	ug/kg	420	610	U	ug/kg	610
3-Nitroaniline		3100	U	ug/kg	3100	12000	U	ug/kg	12000	2100	U	ug/kg	2100	3000	U	ug/kg	3000
Acenaphthene		650	U	ug/kg	650	2500	U	ug/kg	2500	420	U	ug/kg	420	610	U	ug/kg	610
2,4-Dinitrophenol		3100	U	ug/kg	3100	12000	U	ug/kg	12000	2100	U	ug/kg	2100	3000	U	ug/kg	3000
4-Nitrophenol		3100	U	ug/kg	3100	12000	U	ug/kg	12000	2100	U	ug/kg	2100	3000	U	ug/kg	3000
Dibenzofuran		650	U	ug/kg	650	2500	U	ug/kg	2500	420	U	ug/kg	420	610	U	ug/kg	610
2,4-Dinitrotoluene		650	U	ug/kg	650	2500	U	ug/kg	2500	420	U	ug/kg	420	610	U	ug/kg	610
Diethylphthalate		650	U	ug/kg	650	2500	U	ug/kg	2500	420	U	ug/kg	420	610	U	ug/kg	610
4-Chlorophenyl-phenylether		650	U	ug/kg	650	2500	U	ug/kg	2500	420	U	ug/kg	420	610	U	ug/kg	610
Fluorene		650	U	ug/kg	650	2500	U	ug/kg	2500	420	U	ug/kg	420	610	U	ug/kg	610
4-Nitroaniline		3100	U	ug/kg	3100	12000	U	ug/kg	12000	2100	U	ug/kg	2100	3000	U	ug/kg	3000
4,6-Dinitro-2-methylphenol		3100	U	ug/kg	3100	12000	U	ug/kg	12000	2100	U	ug/kg	2100	3000	U	ug/kg	3000

US Naval Station, Mayport, Florida
Analytical Results for Sediment Samples Collected at SWMU 49

Lab Sample Number:	21528017				21528016				21528015				21528012			
Site	GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator	MPT49SD11				MPT49SD21				MPT49SD31				MPT49SD61			
Collect Date:	22-APR-92				22-APR-92				22-APR-92				22-APR-92			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
N-Nitrosodiphenylamine	650	U	ug/kg	650	2500	U	ug/kg	2500	420	U	ug/kg	420	610	U	ug/kg	610
1,2-Diphenylhydrazine	650	U	ug/kg	650	2500	U	ug/kg	2500	420	U	ug/kg	420	610	U	ug/kg	610
4-Bromophenyl-phenylether	650	U	ug/kg	650	2500	U	ug/kg	2500	420	U	ug/kg	420	610	U	ug/kg	610
Hexachlorobenzene	650	U	ug/kg	650	2500	U	ug/kg	2500	420	U	ug/kg	420	610	U	ug/kg	610
Pentachlorophenol	3100	U	ug/kg	3100	12000	U	ug/kg	12000	2100	U	ug/kg	2100	3000	U	ug/kg	3000
Phenanthrene	650	U	ug/kg	650	2500	U	ug/kg	2500	420	U	ug/kg	420	610	U	ug/kg	610
Anthracene	650	U	ug/kg	650	2500	U	ug/kg	2500	420	U	ug/kg	420	610	U	ug/kg	610
Di-n-Butylphthalate	950	U	ug/kg	950	2500	U	ug/kg	2500	470	U	ug/kg	470	610	U	ug/kg	610
Fluoranthene	650	U	ug/kg	650	370	J	ug/kg	2500	420	U	ug/kg	420	610	U	ug/kg	610
Pyrene	650	U	ug/kg	650	320	J	ug/kg	2500	420	U	ug/kg	420	610	U	ug/kg	610
Butylbenzylphthalate	650	U	ug/kg	650	510	J	ug/kg	2500	420	U	ug/kg	420	610	U	ug/kg	610
3,3-Dichlorobenzidine	1300	U	ug/kg	1300	4900	U	ug/kg	4900	850	U	ug/kg	850	1200	U	ug/kg	1200
Benzo (a) anthracene	650	U	ug/kg	650	2500	U	ug/kg	2500	420	U	ug/kg	420	610	U	ug/kg	610
Chrysene	650	U	ug/kg	650	2500	U	ug/kg	2500	420	U	ug/kg	420	610	U	ug/kg	610
bis(2-Ethylhexyl) phthalate	220	J	ug/kg	650	26000		ug/kg	2500	87	J	ug/kg	420	600	J	ug/kg	610
Di-n-octylphthalate	650	U	ug/kg	650	2500	U	ug/kg	2500	420	U	ug/kg	420	610	U	ug/kg	610
Benzo (b) fluoranthene	650	U	ug/kg	650	2500	U	ug/kg	2500	420	U	ug/kg	420	610	U	ug/kg	610
Benzo (k) fluoranthene	650	U	ug/kg	650	2500	U	ug/kg	2500	420	U	ug/kg	420	610	U	ug/kg	610
Benzo (a) pyrene	650	U	ug/kg	650	2500	U	ug/kg	2500	420	U	ug/kg	420	610	U	ug/kg	610
Indeno (1,2,3-cd) pyrene	650	U	ug/kg	650	2500	U	ug/kg	2500	420	U	ug/kg	420	610	U	ug/kg	610
Dibenzo (a,h) anthracene	650	U	ug/kg	650	2500	U	ug/kg	2500	420	U	ug/kg	420	610	U	ug/kg	610
Benzo (g,h,i) perylene	650	U	ug/kg	650	2500	U	ug/kg	2500	420	U	ug/kg	420	610	U	ug/kg	610
2-Picoline	3100	U	ug/kg	3100	12000	U	ug/kg	12000	2100	U	ug/kg	2100	3000	U	ug/kg	3000
Methyl methanesulfonate	650	U	ug/kg	650	2500	U	ug/kg	2500	420	U	ug/kg	420	610	U	ug/kg	610
Ethyl methanesulfonate	650	U	ug/kg	650	2500	U	ug/kg	2500	420	U	ug/kg	420	610	U	ug/kg	610
Acetophenone	650	U	ug/kg	650	2500	U	ug/kg	2500	420	U	ug/kg	420	610	U	ug/kg	610
N-Nitrosopiperidine	650	U	ug/kg	650	2500	U	ug/kg	2500	420	U	ug/kg	420	610	U	ug/kg	610
Phenyl-tert-butylamine	3100	U	ug/kg	3100	12000	U	ug/kg	12000	2100	U	ug/kg	2100	3000	U	ug/kg	3000
2,6-Dichlorophenol	650	U	ug/kg	650	2500	U	ug/kg	2500	420	U	ug/kg	420	610	U	ug/kg	610
N-Nitroso-di-n-butylamine	650	U	ug/kg	650	2500	U	ug/kg	2500	420	U	ug/kg	420	610	U	ug/kg	610
N-Nitrosodiethylamine	650	U	ug/kg	650	2500	U	ug/kg	2500	420	U	ug/kg	420	610	U	ug/kg	610
N-Nitrosopyrrolidine	650	U	ug/kg	650	2500	U	ug/kg	2500	420	U	ug/kg	420	610	U	ug/kg	610
Benzidine	3100	U	ug/kg	3100	12000	U	ug/kg	12000	2100	U	ug/kg	2100	3000	U	ug/kg	3000
1,2,4,5-Tetrachlorobenzene	3100	U	ug/kg	3100	12000	U	ug/kg	12000	2100	U	ug/kg	2100	3000	U	ug/kg	3000
Pentachlorobenzene	3100	U	ug/kg	3100	12000	U	ug/kg	12000	2100	U	ug/kg	2100	3000	U	ug/kg	3000
1-Naphthylamine	3100	U	ug/kg	3100	12000	U	ug/kg	12000	2100	U	ug/kg	2100	3000	U	ug/kg	3000
2-Naphthylamine	3100	R	ug/kg	3100	12000	R	ug/kg	12000	2100	R	ug/kg	2100	3000	R	ug/kg	610
2,3,4,6-Tetrachlorophenol	650	U	ug/kg	650	2500	U	ug/kg	2500	420	U	ug/kg	420	610	U	ug/kg	610
Phenacetin	650	U	ug/kg	650	2500	U	ug/kg	2500	420	U	ug/kg	420	610	U	ug/kg	610
4-Aminobiphenyl	3100	UJ	ug/kg	3100	12000	UJ	ug/kg	12000	2100	UJ	ug/kg	2100	3000	UJ	ug/kg	3000
Pentachloronitrobenzene	3100	R	ug/kg	3100	12000	R	ug/kg	12000	2100	R	ug/kg	2100	3000	R	ug/kg	3000
Pronamide	650	U	ug/kg	650	2500	U	ug/kg	2500	420	U	ug/kg	420	610	U	ug/kg	610
p-Dimethylaminoazobenzene	650	U	ug/kg	650	2500	U	ug/kg	2500	420	U	ug/kg	420	610	U	ug/kg	610
7,12-Dimethylbenz(A)Anthracene	650	U	ug/kg	650	2500	U	ug/kg	2500	420	U	ug/kg	420	610	U	ug/kg	610
3-Methylcholanthrene	650	U	ug/kg	650	2500	U	ug/kg	2500	420	U	ug/kg	420	610	U	ug/kg	610
Pyridine	3100	U	ug/kg	3100	12000	U	ug/kg	12000	2100	U	ug/kg	2100	3000	U	ug/kg	3000
N-Nitrosomethylethylamine	650	U	ug/kg	650	2500	U	ug/kg	2500	420	U	ug/kg	420	610	U	ug/kg	610
N-Nitrosomorpholine	650	U	ug/kg	650	2500	U	ug/kg	2500	420	U	ug/kg	420	610	U	ug/kg	610
o-Toluidine	650	U	ug/kg	650	2500	U	ug/kg	2500	420	U	ug/kg	420	610	U	ug/kg	610
Hexachloropropene	3100	U	ug/kg	3100	12000	U	ug/kg	12000	2100	U	ug/kg	2100	3000	U	ug/kg	3000
p-Phenylenediamine	3100	U	ug/kg	3100	12000	U	ug/kg	12000	2100	U	ug/kg	2100	610	U	ug/kg	610
Safrole	3100	U	ug/kg	3100	12000	U	ug/kg	12000	2100	U	ug/kg	2100	3000	U	ug/kg	3000

US Naval Station, Mayport, Florida
Analytical Results for Sediment Samples Collected at SWMU 49

Lab Sample Number:		21528017				21528016				21528015				21528012			
Site		GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator		MPT49SD11				MPT49SD21				MPT49SD31				MPT49SD61			
Collect Date:		22-APR-92				22-APR-92				22-APR-92				22-APR-92			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Isosafrole		3100	U	ug/kg	3100	12000	U	ug/kg	12000	2100	U	ug/kg	2100	3000	U	ug/kg	3000
1,4-Naphthoquinone		3100	U	ug/kg	3100	12000	U	ug/kg	12000	2100	U	ug/kg	2100	3000	U	ug/kg	3000
1,3-Dinitrobenzene		650	U	ug/kg	650	2500	U	ug/kg	2500	420	U	ug/kg	420	610	U	ug/kg	610
5-Nitro-o-toluidine		650	U	ug/kg	650	2500	U	ug/kg	2500	420	U	ug/kg	420	610	U	ug/kg	610
1,3,5-Trinitrobenzene		650	U	ug/kg	650	2500	U	ug/kg	2500	420	U	ug/kg	420	610	U	ug/kg	610
4-Nitroquinoline-1-oxide		650	U	ug/kg	650	2500	U	ug/kg	2500	420	U	ug/kg	420	610	U	ug/kg	610
Methapyrilene		3100	U	ug/kg	3100	12000	U	ug/kg	12000	2100	U	ug/kg	2100	3000	U	ug/kg	3000
3,3-Dimethylbenzidine		650	UJ	ug/kg	650	2500	UJ	ug/kg	2500	420	UJ	ug/kg	420	610	UJ	ug/kg	610
Hexachlorophene		3100	UJ	ug/kg	3100	12000	U	ug/kg	12000	2100	UJ	ug/kg	2100	3000	UJ	ug/kg	3000
Aramite		3100	U	ug/kg	3100	12000	U	ug/kg	12000	2100	U	ug/kg	2100	3000	U	ug/kg	3000
2-Chlorophenol		650	U	ug/kg	650	2500	U	ug/kg	2500	420	U	ug/kg	420	610	U	ug/kg	610
3- & 4-Methylphenol (2)		-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Hexachloropropene		3100	U	ug/kg	3100	12000	U	ug/kg	12000	2100	U	ug/kg	2100	3000	U	ug/kg	3000
2-Acetylaminofluorene		650	U	ug/kg	650	2500	U	ug/kg	2500	420	U	ug/kg	420	610	U	ug/kg	610
PESTICIDES/PCBs	ug/kg																
alpha-BHC		31	U	ug/kg	31	120	U	ug/kg	120	10	U	ug/kg	10	30	U	ug/kg	30
beta-BHC		31	U	ug/kg	31	120	U	ug/kg	120	10	U	ug/kg	10	30	U	ug/kg	30
delta-BHC		31	U	ug/kg	31	120	U	ug/kg	120	10	U	ug/kg	10	30	U	ug/kg	30
gamma-BHC (Lindane)		31	U	ug/kg	31	120	U	ug/kg	120	10	U	ug/kg	10	30	U	ug/kg	30
Heptachlor		31	U	ug/kg	31	120	U	ug/kg	120	10	U	ug/kg	10	30	U	ug/kg	30
Aldrin		31	U	ug/kg	31	120	U	ug/kg	120	10	U	ug/kg	10	30	U	ug/kg	30
Heptachlor epoxide		31	U	ug/kg	31	120	U	ug/kg	120	10	U	ug/kg	10	30	U	ug/kg	30
Endosulfan I		31	U	ug/kg	31	120	U	ug/kg	120	10	U	ug/kg	10	30	U	ug/kg	30
Dieldrin		63	U	ug/kg	63	240	U	ug/kg	240	20	U	ug/kg	20	59	U	ug/kg	59
4,4-DDE		63	U	ug/kg	63	240	U	ug/kg	240	20	U	ug/kg	20	59	U	ug/kg	59
Endrin		63	U	ug/kg	63	240	U	ug/kg	240	20	U	ug/kg	20	59	U	ug/kg	59
Endosulfan II		63	U	ug/kg	63	240	U	ug/kg	240	20	U	ug/kg	20	59	U	ug/kg	59
4,4-DDD		63	U	ug/kg	63	240	U	ug/kg	240	20	U	ug/kg	20	59	U	ug/kg	59
Endosulfan sulfate		63	U	ug/kg	63	240	U	ug/kg	240	20	U	ug/kg	20	59	U	ug/kg	59
4,4-DDT		63	U	ug/kg	63	240	U	ug/kg	240	20	U	ug/kg	20	59	U	ug/kg	59
Methoxychlor		310	U	ug/kg	310	1200	U	ug/kg	1200	100	U	ug/kg	100	300	U	ug/kg	300
Endrin aldehyde		63	U	ug/kg	63	240	U	ug/kg	240	20	U	ug/kg	20	59	U	ug/kg	59
Endrin ketone		63	U	ug/kg	63	240	U	ug/kg	240	20	U	ug/kg	20	59	U	ug/kg	59
Chlordane		310	U	ug/kg	310	1200	U	ug/kg	1200	100	U	ug/kg	100	300	U	ug/kg	300
Chlorobenzilate		63	U	ug/kg	63	120	U	ug/kg	120	26	U	ug/kg	26	74	U	ug/kg	74
Diallate		63	U	ug/kg	63	6000	U	ug/kg	6000	51	U	ug/kg	51	150	U	ug/kg	150
Toxaphene		630	U	ug/kg	630	2400	U	ug/kg	2400	200	U	ug/kg	200	590	U	ug/kg	590
Isodrin		63	U	ug/kg	63	12	U	ug/kg	12	1	U	ug/kg	1	3	U	ug/kg	3
Kepone		78	U	ug/kg	78	60	U	ug/kg	60	10	U	ug/kg	10	74	U	ug/kg	74
Aroclor-1016		310	U	ug/kg	310	12000	U	ug/kg	12000	100	U	ug/kg	100	300	U	ug/kg	300
Aroclor-1221		310	U	ug/kg	310	12000	U	ug/kg	12000	100	U	ug/kg	100	300	U	ug/kg	300
Aroclor-1232		310	U	ug/kg	310	12000	U	ug/kg	12000	100	U	ug/kg	100	300	U	ug/kg	300
Aroclor-1242		310	U	ug/kg	310	12000	U	ug/kg	12000	100	U	ug/kg	100	300	U	ug/kg	300
Aroclor-1248		310	U	ug/kg	310	1200	U	ug/kg	1200	100	U	ug/kg	100	300	U	ug/kg	300
Aroclor-1254		630	U	ug/kg	630	2400	U	ug/kg	2400	200	U	ug/kg	200	590	U	ug/kg	590
Aroclor-1260		630	U	ug/kg	630	2400	U	ug/kg	2400	200	U	ug/kg	200	590	U	ug/kg	590
INORGANICS (SOIL)	mg/kg																
Antimony		3.7	U	mg/kg	3.7	12.7		mg/kg		2.8	U	mg/kg	2.8	4.4	U	mg/kg	4.4
Arsenic		2.7	J	mg/kg		2.8	J	mg/kg		.44	J	mg/kg		8.7		mg/kg	
Barium		11.4	J	mg/kg		29	J	mg/kg		2.8	J	mg/kg		14.3	J	mg/kg	

US Naval Station, Mayport, Florida
Analytical Results for Sediment Samples Collected at SWMU 49

Lab Sample Number:	21528017				21528016				21528015				21528012			
Site	GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator	MPT49SD11				MPT49SD21				MPT49SD31				MPT49SD61			
Collect Date:	22-APR-92				22-APR-92				22-APR-92				22-APR-92			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Beryllium	.4	J	mg/kg		.06	U	mg/kg	.06	.05	U	mg/kg	.05	.68	J	mg/kg	
Cadmium	.98	U	mg/kg	.98	9	U	mg/kg	9	.75	U	mg/kg	.75	1.2	U	mg/kg	1.2
Chromium	12.2		mg/kg		32.9		mg/kg		2	U	mg/kg	2	20		mg/kg	
Cobalt	2.1	J	mg/kg		1.5	J	mg/kg		.91	U	mg/kg	.91	3.9	J	mg/kg	
Copper	7.6	J	mg/kg		49.7		mg/kg		2.2	J	mg/kg		17		mg/kg	
Cyanide	.3	UJ	mg/kg	.3	1.2	J	mg/kg		.23	UJ	mg/kg	.23	.36	UJ	mg/kg	.36
Lead	5.8	J	mg/kg		76	J	mg/kg		2.3	J	mg/kg		23.8	J	mg/kg	
Mercury	.27	U	mg/kg	.27	0	UJ	mg/kg	0	0	U	mg/kg	0	0	U	mg/kg	0
Nickel	8	J	mg/kg		14.3	J	mg/kg		2.9	J	mg/kg		9.3	J	mg/kg	
Selenium	.47	J	mg/kg		.66	J	mg/kg		.31	UJ	mg/kg	.31	.48	UJ	mg/kg	.48
Silver	.58	U	mg/kg	.58	1.3	J	mg/kg		.44	U	mg/kg	.44	.69	U	mg/kg	.69
Thallium	.56	U	mg/kg	.56	.49	U	mg/kg	.49	.42	U	mg/kg	.42	.66	U	mg/kg	.66
Tin	8.9	U	mg/kg	8.9	7.8	U	mg/kg	7.8	6.8	U	mg/kg	6.8	10.6	U	mg/kg	10.6
Vanadium	12.5	J	mg/kg		3.3	J	mg/kg		1.5	J	mg/kg		22.6		mg/kg	
Zinc	34		mg/kg		97.5		mg/kg		10.1		mg/kg		52.3		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.

US Naval Station, Mayport, Florida
Analytical Results for Sediment Samples Collected at SWMU 49

Lab Sample Number:		R8730008			21528011			R8730007			21528009		
Site		GROUPI&II			GROUPI&II			GROUPI&II			GROUPI&II		
Locator		49SD006			MPT49SD71			49SD007			MPT49SD81		
Collect Date:		12-SEP-94			22-APR-92			12-SEP-94			22-APR-92		
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
VOLATILES	ug/kg															
Chloromethane		-	ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Bromomethane		-	ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Vinyl chloride		-	ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Chloroethane		-	ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Methylene chloride		-	ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Acetone		-	ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Carbon disulfide		-	ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
1,1-Dichloroethane		-	ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
1,1-Dichloroethene		-	ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
1,2-Dichloroethene (total)		-	ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Chloroform		-	ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
1,2-Dichloroethane		-	ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
2-Butanone		-	ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
1,1,1-Trichloroethane		-	ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Carbon tetrachloride		-	ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Bromodichloromethane		-	ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
1,2-Dichloropropane		-	ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
cis-1,3-Dichloropropene		-	ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Trichloroethene		-	ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Dibromochloromethane		-	ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
1,1,2-Trichloroethane		-	ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Benzene		-	ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
trans-1,3-Dichloropropene		-	ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Bromoform		-	ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
4-Methyl-2-pentanone		-	ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
2-Hexanone		-	ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Tetrachloroethene		-	ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
1,1,2,2-Tetrachloroethane		-	ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Toluene		-	ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Chlorobenzene		-	ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Ethylbenzene		-	ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Styrene		-	ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Xylenes (total)		-	ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Dichlorodifluoromethane		-	ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Trichlorofluoromethane		-	ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
1,3-Dichlorobenzene		-	ug/kg		420	U	ug/kg	420	-		ug/kg		430	U	ug/kg	430
Acrolein		-	ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Iodomethane		-	ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
1,4-Dichlorobenzene		-	ug/kg		420	U	ug/kg	420	-		ug/kg		430	U	ug/kg	430
Acrylonitrile		-	ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	

US Naval Station, Mayport, Florida
Analytical Results for Sediment Samples Collected at SWMU 49

Lab Sample Number:		R8730008				21528011				R8730007				21528009		
Site		GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II		
Locator		49SD006				MPT49SD71				49SD007				MPT49SD81		
Collect Date:		12-SEP-94				22-APR-92				12-SEP-94				22-APR-92		
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Dibromomethane		-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
1,2-Dichlorobenzene		-		ug/kg		420	U	ug/kg	420	-		ug/kg		430	U	ug/kg	430
2-Chloroethylvinyl ether		-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Ethyl methacrylate		-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
1,2,3-Trichloropropane		-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
trans-1,4-Dichloro-2-butene		-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Isobutyl alcohol		-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
1,1,1,2-Tetrachloroethane		-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
1,2-Dibromo-3-chloropropane		-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Ethylene dibromide		-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
1,4-Dioxane		-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
3-Chloropropene		-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Acetonitrile		-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Chloroprene		-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Methacrylonitrile		-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Methyl methacrylate		-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Pentachloroethane		-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Propionitrile		-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Vinyl acetate		-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
SEMIVOLATILES	ug/kg																
N-Nitrosodimethylamine		-		ug/kg		420	U	ug/kg	420	-		ug/kg		430	U	ug/kg	430
Phenol		-		ug/kg		420	U	ug/kg	420	-		ug/kg		430	U	ug/kg	430
Aniline		-		ug/kg		420	U	ug/kg	420	-		ug/kg		430	U	ug/kg	430
bis(2-Chloroethyl) ether		-		ug/kg		420	U	ug/kg	420	-		ug/kg		430	U	ug/kg	430
Benzyl Alcohol		-		ug/kg		420	U	ug/kg	420	-		ug/kg		430	U	ug/kg	430
2-Methylphenol		-		ug/kg		420	U	ug/kg	420	-		ug/kg		430	U	ug/kg	430
bis(2-Chloroisopropyl) ether		-		ug/kg		420	UJ	ug/kg	420	-		ug/kg		430	UJ	ug/kg	430
N-Nitroso-di-n-propylamine		-		ug/kg		360	J	ug/kg	420	-		ug/kg		430	U	ug/kg	430
Hexachloroethane		-		ug/kg		420	U	ug/kg	420	-		ug/kg		430	U	ug/kg	430
Nitrobenzene		-		ug/kg		420	U	ug/kg	420	-		ug/kg		430	U	ug/kg	430
Isophorone		-		ug/kg		420	U	ug/kg	420	-		ug/kg		430	U	ug/kg	430
2-Nitrophenol		-		ug/kg		420	U	ug/kg	420	-		ug/kg		430	U	ug/kg	430
2,4-Dimethylphenol		-		ug/kg		420	U	ug/kg	420	-		ug/kg		430	U	ug/kg	430
Benzoic acid		-		ug/kg		2000	U	ug/kg	2000	-		ug/kg		2100	U	ug/kg	2100
bis(2-Chloroethoxy) methane		-		ug/kg		420	U	ug/kg	420	-		ug/kg		430	U	ug/kg	430
2,4-Dichlorophenol		-		ug/kg		420	U	ug/kg	420	-		ug/kg		430	U	ug/kg	430
1,2,4-Trichlorobenzene		-		ug/kg		420	U	ug/kg	420	-		ug/kg		430	U	ug/kg	430
Naphthalene		-		ug/kg		420	U	ug/kg	420	-		ug/kg		430	U	ug/kg	430
4-Chloroaniline		-		ug/kg		420	U	ug/kg	420	-		ug/kg		430	U	ug/kg	430
Hexachlorobutadiene		-		ug/kg		420	U	ug/kg	420	-		ug/kg		430	U	ug/kg	430
4-Chloro-3-methylphenol		-		ug/kg		420	U	ug/kg	420	-		ug/kg		430	U	ug/kg	430
2-Methylnaphthalene		-		ug/kg		420	U	ug/kg	420	-		ug/kg		430	U	ug/kg	430
Hexachlorocyclopentadiene		-		ug/kg		420	U	ug/kg	420	-		ug/kg		430	U	ug/kg	430
2,4,6-Trichlorophenol		-		ug/kg		420	U	ug/kg	420	-		ug/kg		430	U	ug/kg	430
Dimethylphthalate		-		ug/kg		420	U	ug/kg	420	-		ug/kg		430	U	ug/kg	430
2,4,5-Trichlorophenol		-		ug/kg		2000	U	ug/kg	2000	-		ug/kg		2100	U	ug/kg	2100
2-Chloronaphthalene		-		ug/kg		420	U	ug/kg	420	-		ug/kg		430	U	ug/kg	430
2-Nitroaniline		-		ug/kg		2000	U	ug/kg	2000	-		ug/kg		2100	U	ug/kg	2100
Acenaphthylene		-		ug/kg		420	U	ug/kg	420	-		ug/kg		430	U	ug/kg	430
2,6-Dinitrotoluene		-		ug/kg		420	U	ug/kg	420	-		ug/kg		430	U	ug/kg	430
3-Nitroaniline		-		ug/kg		2000	U	ug/kg	2000	-		ug/kg		2100	U	ug/kg	2100

US Naval Station, Mayport, Florida
Analytical Results for Sediment Samples Collected at SWMU 49

Lab Sample Number:	R8730008				21528011				R8730007				21528009			
Site	GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator	49SD006				MPT49SD71				49SD007				MPT49SD81			
Collect Date:	12-SEP-94				22-APR-92				12-SEP-94				22-APR-92			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Acenaphthene	-		ug/kg		420	U	ug/kg	420	-		ug/kg		430	U	ug/kg	430
2,4-Dinitrophenol	-		ug/kg		2000	U	ug/kg	2000	-		ug/kg		2100	U	ug/kg	2100
4-Nitrophenol	-		ug/kg		2000	U	ug/kg	2000	-		ug/kg		2100	U	ug/kg	2100
Dibenzofuran	-		ug/kg		420	U	ug/kg	420	-		ug/kg		430	U	ug/kg	430
2,4-Dinitrotoluene	-		ug/kg		420	U	ug/kg	420	-		ug/kg		430	U	ug/kg	430
Diethylphthalate	-		ug/kg		420	U	ug/kg	420	-		ug/kg		430	U	ug/kg	430
4-Chlorophenyl-phenylether	-		ug/kg		420	U	ug/kg	420	-		ug/kg		430	U	ug/kg	430
Fluorene	-		ug/kg		420	U	ug/kg	420	-		ug/kg		430	U	ug/kg	430
4-Nitroaniline	-		ug/kg		2000	U	ug/kg	2000	-		ug/kg		2100	U	ug/kg	2100
4,6-Dinitro-2-methylphenol	-		ug/kg		2000	U	ug/kg	2000	-		ug/kg		2100	U	ug/kg	2100
N-Nitrosodiphenylamine	-		ug/kg		420	U	ug/kg	420	-		ug/kg		430	U	ug/kg	430
1,2-Diphenylhydrazine	-		ug/kg		420	U	ug/kg	420	-		ug/kg		430	U	ug/kg	430
4-Bromophenyl-phenylether	-		ug/kg		420	U	ug/kg	420	-		ug/kg		430	U	ug/kg	430
Hexachlorobenzene	-		ug/kg		420	U	ug/kg	420	-		ug/kg		430	U	ug/kg	430
Pentachlorophenol	-		ug/kg		2000	U	ug/kg	2000	-		ug/kg		2100	U	ug/kg	2100
Phenanthrene	-		ug/kg		420	U	ug/kg	420	-		ug/kg		430	U	ug/kg	430
Anthracene	-		ug/kg		420	U	ug/kg	420	-		ug/kg		430	U	ug/kg	430
Di-n-Butylphthalate	-		ug/kg		420	U	ug/kg	420	-		ug/kg		430	U	ug/kg	430
Fluoranthene	-		ug/kg		49	J	ug/kg	420	-		ug/kg		54	J	ug/kg	430
Pyrene	-		ug/kg		52	J	ug/kg	420	-		ug/kg		56	J	ug/kg	430
Butylbenzylphthalate	-		ug/kg		420	U	ug/kg	420	-		ug/kg		430	U	ug/kg	430
3,3-Dichlorobenzidine	-		ug/kg		420	U	ug/kg	420	-		ug/kg		870	U	ug/kg	870
Benzo (a) anthracene	-		ug/kg		420	U	ug/kg	420	-		ug/kg		430	U	ug/kg	430
Chrysene	-		ug/kg		420	U	ug/kg	420	-		ug/kg		430	U	ug/kg	430
bis(2-Ethylhexyl) phthalate	-		ug/kg		420	U	ug/kg	420	-		ug/kg		98	J	ug/kg	430
Di-n-octylphthalate	-		ug/kg		420	U	ug/kg	420	-		ug/kg		430	U	ug/kg	430
Benzo (b) fluoranthene	-		ug/kg		420	U	ug/kg	420	-		ug/kg		430	U	ug/kg	430
Benzo (k) fluoranthene	-		ug/kg		420	U	ug/kg	420	-		ug/kg		430	U	ug/kg	430
Benzo (a) pyrene	-		ug/kg		420	U	ug/kg	420	-		ug/kg		430	U	ug/kg	430
Indeno (1,2,3-cd) pyrene	-		ug/kg		420	U	ug/kg	420	-		ug/kg		430	U	ug/kg	430
Dibenzo (a,h) anthracene	-		ug/kg		420	U	ug/kg	420	-		ug/kg		430	U	ug/kg	430
Benzo (g,h,i) perylene	-		ug/kg		420	U	ug/kg	420	-		ug/kg		430	U	ug/kg	430
2-Picoline	-		ug/kg		2000	U	ug/kg	2000	-		ug/kg		2100	U	ug/kg	2100
Methyl methanesulfonate	-		ug/kg		420	U	ug/kg	420	-		ug/kg		430	U	ug/kg	430
Ethyl methanesulfonate	-		ug/kg		420	U	ug/kg	420	-		ug/kg		430	U	ug/kg	430
Acetophenone	-		ug/kg		420	U	ug/kg	420	-		ug/kg		430	U	ug/kg	430
N-Nitrosopiperidine	-		ug/kg		420	U	ug/kg	420	-		ug/kg		430	U	ug/kg	430
Phenyl-tert-butylamine	-		ug/kg		2000	U	ug/kg	2000	-		ug/kg		2100	U	ug/kg	2100
2,6-Dichlorophenol	-		ug/kg		420	U	ug/kg	420	-		ug/kg		430	U	ug/kg	430
N-Nitroso-di-n-butylamine	-		ug/kg		420	U	ug/kg	420	-		ug/kg		430	U	ug/kg	430
N-Nitrosodiethylamine	-		ug/kg		420	U	ug/kg	420	-		ug/kg		430	U	ug/kg	430
N-Nitrosopyrrolidine	-		ug/kg		420	U	ug/kg	420	-		ug/kg		430	U	ug/kg	430
Benzidine	-		ug/kg		2000	UJ	ug/kg	2000	-		ug/kg		2100	UJ	ug/kg	2100
1,2,4,5-Tetrachlorobenzene	-		ug/kg		2000	U	ug/kg	2000	-		ug/kg		2100	U	ug/kg	2100
Pentachlorobenzene	-		ug/kg		2000	U	ug/kg	2000	-		ug/kg		2100	U	ug/kg	2100
1-Naphthylamine	-		ug/kg		2000	UJ	ug/kg	2000	-		ug/kg		2100	UJ	ug/kg	2100
2-Naphthylamine	-		ug/kg		2000	UJ	ug/kg	2000	-		ug/kg		2100	UJ	ug/kg	2100
2,3,4,6-Tetrachlorophenol	-		ug/kg		420	U	ug/kg	420	-		ug/kg		430	U	ug/kg	430
Phenacetin	-		ug/kg		420	U	ug/kg	420	-		ug/kg		430	U	ug/kg	430
4-Aminobiphenyl	-		ug/kg		2000	U	ug/kg	2000	-		ug/kg		2100	U	ug/kg	2100
Pentachloronitrobenzene	-		ug/kg		2000	R	ug/kg	2000	-		ug/kg		2100	R	ug/kg	2100
Pronamide	-		ug/kg		420	U	ug/kg	420	-		ug/kg		430	U	ug/kg	430

US Naval Station, Mayport, Florida
Analytical Results for Sediment Samples Collected at SWMU 49

Lab Sample Number:		R8730008				21528011				R8730007				21528009			
Site		GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator		49SD006				MPT49SD71				49SD007				MPT49SD81			
Collect Date:		12-SEP-94				22-APR-92				12-SEP-94				22-APR-92			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
p-Dimethylaminoazobenzene		-		ug/kg		420	U	ug/kg	420	-		ug/kg		430	U	ug/kg	430
7,12-Dimethylbenz(A)Anthracene		-		ug/kg		420	U	ug/kg	420	-		ug/kg		430	U	ug/kg	430
3-Methylcholanthrene		-		ug/kg		420	U	ug/kg	420	-		ug/kg		430	U	ug/kg	430
Pyridine		-		ug/kg		2000	U	ug/kg	2000	-		ug/kg		2100	U	ug/kg	2100
N-Nitrosomethylethylamine		-		ug/kg		420	U	ug/kg	420	-		ug/kg		430	U	ug/kg	430
N-Nitrosomorpholine		-		ug/kg		420	U	ug/kg	420	-		ug/kg		430	U	ug/kg	430
o-Toluidine		-		ug/kg		420	U	ug/kg	420	-		ug/kg		430	U	ug/kg	430
Hexachloropropene		-		ug/kg		2000	U	ug/kg	2000	-		ug/kg		2100	U	ug/kg	2100
p-Phenylenediamine		-		ug/kg		2000	U	ug/kg	2000	-		ug/kg		2100	U	ug/kg	2100
Safrole		-		ug/kg		2000	U	ug/kg	2000	-		ug/kg		2100	U	ug/kg	2100
Isosafrole		-		ug/kg		2000	U	ug/kg	2000	-		ug/kg		2100	U	ug/kg	2100
1,4-Naphthoquinone		-		ug/kg		2000	U	ug/kg	2000	-		ug/kg		2100	U	ug/kg	2100
1,3-Dinitrobenzene		-		ug/kg		420	U	ug/kg	420	-		ug/kg		430	U	ug/kg	430
5-Nitro-o-toluidine		-		ug/kg		420	U	ug/kg	420	-		ug/kg		430	U	ug/kg	430
1,3,5-Trinitrobenzene		-		ug/kg		420	U	ug/kg	420	-		ug/kg		430	U	ug/kg	430
4-Nitroquinoline-1-oxide		-		ug/kg		420	U	ug/kg	420	-		ug/kg		430	U	ug/kg	430
Methapyrilene		-		ug/kg		2000	U	ug/kg	2000	-		ug/kg		2100	U	ug/kg	2100
3,3-Dimethylbenzidine		-		ug/kg		840	U	ug/kg	840	-		ug/kg		430	U	ug/kg	430
Hexachlorophene		-		ug/kg		2000	U	ug/kg	2000	-		ug/kg		2100	U	ug/kg	2100
Aramite		-		ug/kg		2000	U	ug/kg	2000	-		ug/kg		2100	U	ug/kg	2100
2-Chlorophenol		-		ug/kg		420	U	ug/kg	420	-		ug/kg		430	U	ug/kg	430
3- & 4-Methylphenol (2)		-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Hexachloropropene		-		ug/kg		2000	U	ug/kg	2000	-		ug/kg		2100	U	ug/kg	2100
2-Acetylaminofluorene		-		ug/kg		420	U	ug/kg	420	-		ug/kg		430	U	ug/kg	430
PESTICIDES/PCBs	ug/kg																
alpha-BHC		1.6	U	ug/kg	1.6	51	U	ug/kg	51	2	U	ug/kg	2	10	U	ug/kg	10
beta-BHC		3.1	U	ug/kg	3.1	51	U	ug/kg	51	3.9	U	ug/kg	3.9	10	U	ug/kg	10
delta-BHC		1.6	U	ug/kg	1.6	51	U	ug/kg	51	2	U	ug/kg	2	10	U	ug/kg	10
gamma-BHC (Lindane)		1.6	U	ug/kg	1.6	51	U	ug/kg	51	2	U	ug/kg	2	10	U	ug/kg	10
Heptachlor		1.6	U	ug/kg	1.6	51		ug/kg	51	2	U	ug/kg	2	10	U	ug/kg	10
Aldrin		1.6	U	ug/kg	1.6	51	U	ug/kg	51	2	U	ug/kg	2	10	U	ug/kg	10
Heptachlor epoxide		1.6	U	ug/kg	1.6	51	U	ug/kg	51	2	U	ug/kg	2	10	U	ug/kg	10
Endosulfan I		1.6	U	ug/kg	1.6	51	U	ug/kg	51	2	U	ug/kg	2	10	U	ug/kg	10
Dieldrin		1.6	U	ug/kg	1.6	100	U	ug/kg	100	2	U	ug/kg	2	21	U	ug/kg	21
4,4-DDE		1.6	U	ug/kg	1.6	100	U	ug/kg	100	2	U	ug/kg	2	11	J	ug/kg	21
Endrin		3.1	U	ug/kg	3.1	100	U	ug/kg	100	3.9	U	ug/kg	3.9	21	U	ug/kg	21
Endosulfan II		3.1	U	ug/kg	3.1	100	U	ug/kg	100	3.9	U	ug/kg	3.9	21	U	ug/kg	21
4,4-DDD		3.1	U	ug/kg	3.1	38	J	ug/kg	51	3.9	U	ug/kg	3.9	8	J	ug/kg	21
Endosulfan sulfate		3.1	U	ug/kg	3.1	100	U	ug/kg	100	3.9	U	ug/kg	3.9	21	U	ug/kg	21
4,4-DDT		3.1	U	ug/kg	3.1	100	U	ug/kg	100	3.9	U	ug/kg	3.9	21	U	ug/kg	21
Methoxychlor		6.3	U	ug/kg	6.3	510	U	ug/kg	510	8.1	U	ug/kg	8.1	100	U	ug/kg	100
Endrin aldehyde		3.1	U	ug/kg	3.1	100	U	ug/kg	100	3.9	U	ug/kg	3.9	21	U	ug/kg	21
Endrin ketone		3.1	U	ug/kg	3.1	100	U	ug/kg	100	3.9	U	ug/kg	3.9	21	U	ug/kg	21
Chlordane		16	U	ug/kg	16	730		ug/kg	510	20	U	ug/kg	20	100	U	ug/kg	100
Chlorobenzilate		47	U	ug/kg	47	130	U	ug/kg	130	60	U	ug/kg	60	26	U	ug/kg	26
Diallate		94	U	ug/kg	94	250	U	ug/kg	250	120	U	ug/kg	120	53	U	ug/kg	53
Toxaphene		78	U	ug/kg	78	1000	U	ug/kg	1000	99	U	ug/kg	99	210	U	ug/kg	210
Isodrin		1.6	U	ug/kg	1.6	5.1	U	ug/kg	5.1	2	U	ug/kg	2	1	U	ug/kg	1
Kepone		93	UJ	ug/kg		51	U	ug/kg	51	120	UJ	ug/kg		53	U	ug/kg	53
Aroclor-1016		-		ug/kg		510	U	ug/kg	510	-		ug/kg		100	U	ug/kg	100
Aroclor-1221		-		ug/kg		510	U	ug/kg	510	-		ug/kg		100	U	ug/kg	100

US Naval Station, Mayport, Florida
Analytical Results for Sediment Samples Collected at SWMU 49

Lab Sample Number:		R8730008				21528011				R8730007				21528009			
Site		GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator		49SD006				MPT49SD71				49SD007				MPT49SD81			
Collect Date:		12-SEP-94				22-APR-92				12-SEP-94				22-APR-92			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Aroclor-1232		-		ug/kg		510	U	ug/kg	510	-		ug/kg		100	U	ug/kg	100
Aroclor-1242		-		ug/kg		510	U	ug/kg	510	-		ug/kg		100	U	ug/kg	100
Aroclor-1248		-		ug/kg		510	U	ug/kg	510	-		ug/kg		100	U	ug/kg	100
Aroclor-1254		-		ug/kg		1000	U	ug/kg	1000	-		ug/kg		210	U	ug/kg	210
Aroclor-1260		-		ug/kg		1000	U	ug/kg	1000	-		ug/kg		210	U	ug/kg	210
INORGANICS (SOIL)	mg/kg																
Antimony		-		mg/kg		2.9	U	mg/kg	2.9	-		mg/kg		3	U	mg/kg	3
Arsenic		-		mg/kg		1	J	mg/kg		-		mg/kg		.85	J	mg/kg	
Barium		-		mg/kg		6.9	J	mg/kg		-		mg/kg		4.3	J	mg/kg	
Beryllium		-		mg/kg		.11	J	mg/kg		-		mg/kg		.09	J	mg/kg	
Cadmium		-		mg/kg		.79	U	mg/kg	.79	-		mg/kg		.81	U	mg/kg	.81
Chromium		-		mg/kg		17.6		mg/kg		-		mg/kg		3.9		mg/kg	
Cobalt		-		mg/kg		.96	U	mg/kg	.96	-		mg/kg		1.1	J	mg/kg	
Copper		-		mg/kg		11.8		mg/kg		-		mg/kg		3.4	J	mg/kg	
Cyanide		-		mg/kg		.82	J	mg/kg		-		mg/kg		.9	J	mg/kg	.9
Lead		-		mg/kg		13.3	J	mg/kg		-		mg/kg		2.7	J	mg/kg	
Mercury		-		mg/kg		0	UJ	mg/kg	0	-		mg/kg		0	UJ	mg/kg	0
Nickel		-		mg/kg		13.4		mg/kg		-		mg/kg		1.9	J	mg/kg	
Selenium		-		mg/kg		.33	UJ	mg/kg	.33	-		mg/kg		.33	UJ	mg/kg	.33
Silver		-		mg/kg		.46	U	mg/kg	.46	-		mg/kg		.48	U	mg/kg	.48
Thallium		-		mg/kg		.45	U	mg/kg	.45	-		mg/kg		.46	U	mg/kg	.46
Tin		-		mg/kg		7.1	U	mg/kg	7.1	-		mg/kg		7.3	U	mg/kg	7.3
Vanadium		-		mg/kg		4.3	J	mg/kg		-		mg/kg		3.4	J	mg/kg	
Zinc		-		mg/kg		26.8		mg/kg		-		mg/kg		107		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.

US Naval Station, Mayport, Florida
Analytical Results for Sediment Samples Collected at SWMU 49

Lab Sample Number:		21528010			M7645007			M7645006			M7645009		
Site		GROUPI&II			GROUPI&II			GROUPI&II			GROUPI&II		
Locator		MPT49SD81D			49SD009			49SD010			49SD011		
Collect Date:		22-APR-92			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
VOLATILES	ug/kg												
Chloromethane		-	ug/kg		32 U	ug/kg	32	45 U	ug/kg	45	26 U	ug/kg	26
Bromomethane		-	ug/kg		32 U	ug/kg	32	45 UJ	ug/kg		26 U	ug/kg	26
Vinyl chloride		-	ug/kg		32 U	ug/kg	32	45 U	ug/kg	45	26 U	ug/kg	26
Chloroethane		-	ug/kg		32 U	ug/kg	32	45 U	ug/kg	45	26 U	ug/kg	26
Methylene chloride		-	ug/kg		32 U	ug/kg	32	23 U	ug/kg	23	22 U	ug/kg	22
Acetone		-	ug/kg		230 J	ug/kg		240 J	ug/kg		98 U	ug/kg	98
Carbon disulfide		-	ug/kg		30	ug/kg		56	ug/kg		18	ug/kg	
1,1-Dichloroethane		-	ug/kg		16 U	ug/kg	16	23 U	ug/kg	23	13 U	ug/kg	13
1,1-Dichloroethene		-	ug/kg		16 U	ug/kg	16	23 U	ug/kg	23	13 U	ug/kg	13
1,2-Dichloroethene (total)		-	ug/kg		16 U	ug/kg	16	23 U	ug/kg	23	13 U	ug/kg	13
Chloroform		-	ug/kg		16 U	ug/kg	16	23 U	ug/kg	23	13 U	ug/kg	13
1,2-Dichloroethane		-	ug/kg		16 U	ug/kg	16	23 U	ug/kg	23	13 U	ug/kg	13
2-Butanone		-	ug/kg		20 J	ug/kg		33 J	ug/kg		15 J	ug/kg	
1,1,1-Trichloroethane		-	ug/kg		16 U	ug/kg	16	23 U	ug/kg	23	13 U	ug/kg	13
Carbon tetrachloride		-	ug/kg		16 U	ug/kg	16	23 U	ug/kg	23	13 U	ug/kg	13
Bromodichloromethane		-	ug/kg		16 U	ug/kg	16	23 U	ug/kg	23	13 U	ug/kg	13
1,2-Dichloropropane		-	ug/kg		16 U	ug/kg	16	23 U	ug/kg	23	13 U	ug/kg	13
cis-1,3-Dichloropropene		-	ug/kg		16 U	ug/kg	16	23 U	ug/kg	23	13 U	ug/kg	13
Trichloroethene		-	ug/kg		16 U	ug/kg	16	23 U	ug/kg	23	13 U	ug/kg	13
Dibromochloromethane		-	ug/kg		16 U	ug/kg	16	23 U	ug/kg	23	13 U	ug/kg	13
1,1,2-Trichloroethane		-	ug/kg		16 U	ug/kg	16	23 U	ug/kg	23	13 U	ug/kg	13
Benzene		-	ug/kg		16 U	ug/kg	16	23 U	ug/kg	23	13 U	ug/kg	13
trans-1,3-Dichloropropene		-	ug/kg		16 U	ug/kg	16	23 U	ug/kg	23	13 U	ug/kg	13
Bromoform		-	ug/kg		16 U	ug/kg	16	23 U	ug/kg	23	13 U	ug/kg	13
4-Methyl-2-pentanone		-	ug/kg		32 U	ug/kg	32	45 U	ug/kg	45	26 U	ug/kg	26
2-Hexanone		-	ug/kg		32 U	ug/kg	32	45 U	ug/kg	45	26 U	ug/kg	26
Tetrachloroethene		-	ug/kg		16 U	ug/kg	16	23 U	ug/kg	23	13 U	ug/kg	13
1,1,2,2-Tetrachloroethane		-	ug/kg		16 U	ug/kg	16	23 U	ug/kg	23	13 U	ug/kg	13
Toluene		-	ug/kg		16 U	ug/kg	16	23 U	ug/kg	23	13 U	ug/kg	13
Chlorobenzene		-	ug/kg		16 U	ug/kg	16	23 U	ug/kg	23	13 U	ug/kg	13
Ethylbenzene		-	ug/kg		16 U	ug/kg	16	23 U	ug/kg	23	13 U	ug/kg	13
Styrene		-	ug/kg		16 U	ug/kg	16	23 U	ug/kg	23	13 U	ug/kg	13
Xylenes (total)		-	ug/kg		16 U	ug/kg	16	23 U	ug/kg	23	13 U	ug/kg	13
Dichlorodifluoromethane		-	ug/kg		32 U	ug/kg	32	45 U	ug/kg	45	26 U	ug/kg	26
Trichlorofluoromethane		-	ug/kg		16 U	ug/kg	16	23 U	ug/kg	23	13 U	ug/kg	13
1,3-Dichlorobenzene		420 U	ug/kg	420	13000 U	ug/kg	13000	23 U	ug/kg	23	14000 U	ug/kg	14000
Acrolein		-	ug/kg		320 U	ug/kg	320	450 U	ug/kg	450	260 U	ug/kg	260
Iodomethane		-	ug/kg		32 U	ug/kg	32	45 U	ug/kg	45	26 U	ug/kg	26
1,4-Dichlorobenzene		420 U	ug/kg	420	16 U	ug/kg	16	11000 U	ug/kg	11000	13 U	ug/kg	13
Acrylonitrile		-	ug/kg		320 U	ug/kg	320	450 U	ug/kg	450	260 U	ug/kg	260

US Naval Station, Mayport, Florida
Analytical Results for Sediment Samples Collected at SWMU 49

Lab Sample Number:		21528010				M7645007				M7645006				M7645009			
Site		GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator		MPT49SD81D				49SD009				49SD010				49SD011			
Collect Date:		22-APR-92				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
Dibromomethane		-		ug/kg		16	U	ug/kg	16	23	U	ug/kg	23	13	U	ug/kg	13
1,2-Dichlorobenzene		420	U	ug/kg	420	13000	U	ug/kg	13000	11000	U	ug/kg	11000	13	U	ug/kg	13
2-Chloroethylvinyl ether		-		ug/kg		32	U	ug/kg	32	45	U	ug/kg	45	26	U	ug/kg	26
Ethyl methacrylate		-		ug/kg		16	U	ug/kg	16	23	U	ug/kg	23	13	U	ug/kg	13
1,2,3-Trichloropropane		-		ug/kg		16	U	ug/kg	16	23	U	ug/kg	23	13	U	ug/kg	13
trans-1,4-Dichloro-2-butene		-		ug/kg		16	U	ug/kg	16	23	U	ug/kg	23	13	U	ug/kg	13
Isobutyl alcohol		-		ug/kg		640	U	ug/kg	640	910	U	ug/kg	910	510	U	ug/kg	510
1,1,1,2-Tetrachloroethane		-		ug/kg		16	U	ug/kg	16	23	U	ug/kg	23	13	U	ug/kg	13
1,2-Dibromo-3-chloropropane		-		ug/kg		340	U	ug/kg	340	480	U	ug/kg	480	270	U	ug/kg	270
Ethylene dibromide		-		ug/kg		16	U	ug/kg	16	23	U	ug/kg	23	13	U	ug/kg	13
1,4-Dioxane		-		ug/kg		640	R	ug/kg		910	R	ug/kg		510	R	ug/kg	
3-Chloropropene		-		ug/kg		16	U	ug/kg	16	23	U	ug/kg	23	13	U	ug/kg	13
Acetonitrile		-		ug/kg		320	U	ug/kg	320	450	U	ug/kg	450	260	U	ug/kg	260
Chloroprene		-		ug/kg		640	U	ug/kg	640	910	U	ug/kg	910	510	U	ug/kg	510
Methacrylonitrile		-		ug/kg		16	U	ug/kg	16	23	U	ug/kg	23	13	U	ug/kg	13
Methyl methacrylate		-		ug/kg		32	U	ug/kg	32	45	U	ug/kg	45	26	U	ug/kg	26
Pentachloroethane		-		ug/kg		32	U	ug/kg	32	45	U	ug/kg	45	26	U	ug/kg	26
Propionitrile		-		ug/kg		320	U	ug/kg	320	450	U	ug/kg	450	260	U	ug/kg	260
Vinyl acetate		-		ug/kg		32	U	ug/kg	32	45	U	ug/kg	45	26	U	ug/kg	26
SEMIVOLATILES	ug/kg																
N-Nitrosodimethylamine		420	U	ug/kg	420	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000
Phenol		420	U	ug/kg	420	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000
Aniline		420	U	ug/kg	420	13000	UJ	ug/kg		11000	UJ	ug/kg		14000	UJ	ug/kg	
bis(2-Chloroethyl) ether		420	U	ug/kg	420	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000
Benzyl Alcohol		420	U	ug/kg	420	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000
2-Methylphenol		420	U	ug/kg	420	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000
bis(2-Chloroisopropyl) ether		420	UJ	ug/kg	420	13000	UJ	ug/kg		11000	UJ	ug/kg		14000	UJ	ug/kg	
N-Nitroso-di-n-propylamine		420	U	ug/kg	420	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000
Hexachloroethane		420	U	ug/kg	420	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000
Nitrobenzene		420	U	ug/kg	420	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000
Isophorone		420	U	ug/kg	420	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000
2-Nitrophenol		420	U	ug/kg	420	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000
2,4-Dimethylphenol		420	U	ug/kg	420	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000
Benzoic acid		2100	U	ug/kg	2100	66000	UJ	ug/kg		53000	UJ	ug/kg		69000	UJ	ug/kg	
bis(2-Chloroethoxy) methane		420	U	ug/kg	420	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000
2,4-Dichlorophenol		420	U	ug/kg	420	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000
1,2,4-Trichlorobenzene		420	U	ug/kg	420	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000
Naphthalene		420	U	ug/kg	420	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000
4-Chloroaniline		420	U	ug/kg	420	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000
Hexachlorobutadiene		420	U	ug/kg	420	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000
4-Chloro-3-methylphenol		420	U	ug/kg	420	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000
2-Methylnaphthalene		420	U	ug/kg	420	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000
Hexachlorocyclopentadiene		420	U	ug/kg	420	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000
2,4,6-Trichlorophenol		420	U	ug/kg	420	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000
Dimethylphthalate		420	U	ug/kg	420	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000
2,4,5-Trichlorophenol		2100	U	ug/kg	2100	66000	U	ug/kg	66000	53000	U	ug/kg	53000	69000	U	ug/kg	69000
2-Chloronaphthalene		420	U	ug/kg	420	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000
2-Nitroaniline		2100	U	ug/kg	2100	66000	U	ug/kg	66000	53000	U	ug/kg	53000	69000	U	ug/kg	69000
Acenaphthylene		420	U	ug/kg	420	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000
2,6-Dinitrotoluene		420	U	ug/kg	420	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000
3-Nitroaniline		2100	U	ug/kg	2100	66000	U	ug/kg	66000	53000	U	ug/kg	53000	69000	U	ug/kg	69000

US Naval Station, Mayport, Florida
Analytical Results for Sediment Samples Collected at SWMU 49

Lab Sample Number:	21528010				M7645007				M7645006				M7645009			
Site	GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator	MPT49SD81D				49SD009				49SD010				49SD011			
Collect Date:	22-APR-92				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
Acenaphthene	420	U	ug/kg	420	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000
2,4-Dinitrophenol	2100	U	ug/kg	2100	66000	U	ug/kg	66000	53000	U	ug/kg	53000	69000	U	ug/kg	69000
4-Nitrophenol	2100	U	ug/kg	2100	66000	U	ug/kg	66000	53000	U	ug/kg	53000	69000	U	ug/kg	69000
Dibenzofuran	420	U	ug/kg	420	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000
2,4-Dinitrotoluene	420	U	ug/kg	420	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000
Diethylphthalate	420	U	ug/kg	420	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000
4-Chlorophenyl-phenylether	420	U	ug/kg	420	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000
Fluorene	420	U	ug/kg	420	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000
4-Nitroaniline	2100	U	ug/kg	2100	66000	U	ug/kg	66000	53000	U	ug/kg	53000	69000	U	ug/kg	69000
4,6-Dinitro-2-methylphenol	2100	U	ug/kg	2100	66000	U	ug/kg	66000	53000	U	ug/kg	53000	69000	U	ug/kg	69000
N-Nitrosodiphenylamine	420	U	ug/kg	420	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000
1,2-Diphenylhydrazine	420	U	ug/kg	420	13000	UJ	ug/kg		11000	UJ	ug/kg		14000	UJ	ug/kg	
4-Bromophenyl-phenylether	420	U	ug/kg	420	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000
Hexachlorobenzene	420	U	ug/kg	420	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000
Pentachlorophenol	2100	U	ug/kg	2100	66000	U	ug/kg	66000	53000	U	ug/kg	53000	69000	U	ug/kg	69000
Phenanthrene	420	U	ug/kg	420	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000
Anthracene	420	U	ug/kg	420	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000
Di-n-Butylphthalate	970		ug/kg	420	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000
Fluoranthene	420	U	ug/kg	420	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000
Pyrene	420	U	ug/kg	420	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000
Butylbenzylphthalate	420	U	ug/kg	420	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000
3,3-Dichlorobenzidine	850	U	ug/kg	850	27000	U	ug/kg	27000	22000	U	ug/kg	22000	28000	U	ug/kg	28000
Benzo (a) anthracene	420	U	ug/kg	420	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000
Chrysene	420	U	ug/kg	420	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000
bis(2-Ethylhexyl) phthalate	73	J	ug/kg	420	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000
Di-n-octylphthalate	420	U	ug/kg	420	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000
Benzo (b) fluoranthene	420	U	ug/kg	420	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000
Benzo (k) fluoranthene	420	U	ug/kg	420	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000
Benzo (a) pyrene	420	U	ug/kg	420	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000
Indeno (1,2,3-cd) pyrene	420	U	ug/kg	420	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000
Dibenzo (a,h) anthracene	420	U	ug/kg	420	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000
Benzo (g,h,i) perylene	420	U	ug/kg	420	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000
2-Picoline	2100	U	ug/kg	2100	66000	U	ug/kg	66000	53000	U	ug/kg	53000	69000	U	ug/kg	69000
Methyl methanesulfonate	420	U	ug/kg	420	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000
Ethyl methanesulfonate	420	U	ug/kg	420	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000
Acetophenone	420	U	ug/kg	420	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000
N-Nitrosopiperidine	420	U	ug/kg	420	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000
Phenyl-tert-butylamine	2100	U	ug/kg	2100	66000	U	ug/kg	66000	53000	U	ug/kg	53000	69000	U	ug/kg	69000
2,6-Dichlorophenol	420	U	ug/kg	420	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000
N-Nitroso-di-n-butylamine	420	U	ug/kg	420	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000
N-Nitrosodiethylamine	420	U	ug/kg	420	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000
N-Nitrosopyrrolidine	420	U	ug/kg	420	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000
Benzidine	2100	UJ	ug/kg	2100	66000	U	ug/kg	66000	53000	U	ug/kg	53000	69000	U	ug/kg	69000
1,2,4,5-Tetrachlorobenzene	2100	U	ug/kg	2100	66000	U	ug/kg	66000	53000	U	ug/kg	53000	69000	U	ug/kg	69000
Pentachlorobenzene	2100	U	ug/kg	2100	66000	U	ug/kg	66000	53000	U	ug/kg	53000	69000	U	ug/kg	69000
1-Naphthylamine	2100	UJ	ug/kg	2100	66000	U	ug/kg	66000	53000	U	ug/kg	53000	69000	U	ug/kg	69000
2-Naphthylamine	2100	U	ug/kg	2100	66000	U	ug/kg	66000	53000	U	ug/kg	53000	69000	U	ug/kg	69000
2,3,4,6-Tetrachlorophenol	420	U	ug/kg	420	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000
Phenacetin	420	U	ug/kg	420	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000
4-Aminobiphenyl	2100	U	ug/kg	2100	66000	U	ug/kg	66000	53000	U	ug/kg	53000	69000	U	ug/kg	69000
Pentachloronitrobenzene	2100	R	ug/kg	2100	66000	U	ug/kg	66000	53000	U	ug/kg	53000	69000	U	ug/kg	69000
Pronamide	420	U	ug/kg	420	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000

US Naval Station, Mayport, Florida
Analytical Results for Sediment Samples Collected at SWMU 49

Lab Sample Number:		21528010				M7645007				M7645006				M7645009			
Site		GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator		MPT49SD81D				49SD009				49SD010				49SD011			
Collect Date:		22-APR-92				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
p-Dimethylaminoazobenzene		420	U	ug/kg	420	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000
7,12-Dimethylbenz(A)Anthracene		420	U	ug/kg	420	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000
3-Methylcholanthrene		420	U	ug/kg	420	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000
Pyridine		2100	U	ug/kg	2100	66000	U	ug/kg	66000	53000	U	ug/kg	53000	69000	U	ug/kg	69000
N-Nitrosomethylethylamine		420	U	ug/kg	420	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000
N-Nitrosomorpholine		420	U	ug/kg	420	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000
o-Toluidine		420	U	ug/kg	420	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000
Hexachloropropene		2100	U	ug/kg	2100	66000	U	ug/kg	66000	53000	U	ug/kg	53000	69000	U	ug/kg	69000
p-Phenylenediamine		2100	U	ug/kg	2100	660000	U	ug/kg	660000	530000	U	ug/kg	530000	690000	U	ug/kg	690000
Safrole		2100	U	ug/kg	2100	66000	U	ug/kg	66000	53000	U	ug/kg	53000	69000	U	ug/kg	69000
Isosafrole		2100	U	ug/kg	2100	66000	U	ug/kg	66000	53000	U	ug/kg	53000	69000	U	ug/kg	69000
1,4-Naphthoquinone		2100	U	ug/kg	2100	1300000	U	ug/kg	1300000	1100000	U	ug/kg	1100000	1400000	U	ug/kg	1400000
1,3-Dinitrobenzene		420	U	ug/kg	420	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000
5-Nitro-o-toluidine		420	U	ug/kg	420	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000
1,3,5-Trinitrobenzene		420	U	ug/kg	420	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000
4-Nitroquinoline-1-oxide		420	U	ug/kg	420	660000	U	ug/kg	660000	530000	U	ug/kg	530000	690000	U	ug/kg	690000
Methapyrilene		2100	U	ug/kg	2100	66000	U	ug/kg	66000	53000	U	ug/kg	53000	69000	U	ug/kg	69000
3,3-Dimethylbenzidine		420	U	ug/kg	420	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000
Hexachlorophene		2100	U	ug/kg	2100	660000	UJ	ug/kg		530000	UJ	ug/kg		690000	UJ	ug/kg	
Aramite		2100	U	ug/kg	2100	66000	U	ug/kg	66000	53000	U	ug/kg	53000	69000	U	ug/kg	69000
2-Chlorophenol		420	U	ug/kg	420	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000
3- & 4-Methylphenol (2)		-		ug/kg		13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000
Hexachloropropene		2100	U	ug/kg	2100	66000	U	ug/kg	66000	53000	U	ug/kg	53000	69000	U	ug/kg	69000
2-Acetylaminofluorene		420	U	ug/kg	420	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000
PESTICIDES/PCBs	ug/kg																
alpha-BHC		10	U	ug/kg	10	2.7	U	ug/kg	2.7	2.2	U	ug/kg	2.2	2.8	U	ug/kg	2.8
beta-BHC		10	U	ug/kg	10	5.2	U	ug/kg	5.2	4.2	U	ug/kg	4.2	5.4	U	ug/kg	5.4
delta-BHC		10	U	ug/kg	10	2.7	U	ug/kg	2.7	2.2	U	ug/kg	2.2	2.8	U	ug/kg	2.8
gamma-BHC (Lindane)		10	U	ug/kg	10	2.7	U	ug/kg	2.7	2.2	U	ug/kg	2.2	2.8	U	ug/kg	2.8
Heptachlor		10	U	ug/kg	10	2.7	U	ug/kg	2.7	2.2	U	ug/kg	2.2	2.8	U	ug/kg	2.8
Aldrin		10	U	ug/kg	10	2.7	U	ug/kg	2.7	2.2	U	ug/kg	2.2	2.8	U	ug/kg	2.8
Heptachlor epoxide		10	U	ug/kg	10	2.7	U	ug/kg	2.7	2.2	U	ug/kg	2.2	2.8	U	ug/kg	2.8
Endosulfan I		10	U	ug/kg	10	2.7	U	ug/kg	2.7	2.2	U	ug/kg	2.2	2.8	U	ug/kg	2.8
Dieldrin		20	U	ug/kg	20	2.7	U	ug/kg	2.7	2.2	U	ug/kg	2.2	2.8	U	ug/kg	2.8
4,4-DDE		2.6	J	ug/kg	20	2.8	J	ug/kg		2.4		ug/kg		8.7		ug/kg	
Endrin		20	U	ug/kg	20	5.2	U	ug/kg	5.2	4.2	U	ug/kg	4.2	5.4	U	ug/kg	5.4
Endosulfan II		20	U	ug/kg	20	5.2	U	ug/kg	5.2	4.2	U	ug/kg	4.2	5.4	U	ug/kg	5.4
4,4-DDD		20	U	ug/kg	20	5.2	U	ug/kg	5.2	4.2	U	ug/kg	4.2	5.4	U	ug/kg	5.4
Endosulfan sulfate		20	U	ug/kg	20	5.2	U	ug/kg	5.2	4.2	U	ug/kg	4.2	5.4	U	ug/kg	5.4
4,4-DDT		20	U	ug/kg	20	5.2	U	ug/kg	5.2	4.2	U	ug/kg	4.2	5.4	U	ug/kg	5.4
Methoxychlor		100	U	ug/kg	100	11	U	ug/kg	11	8.7	U	ug/kg	8.7	11	U	ug/kg	11
Endrin aldehyde		20	U	ug/kg	20	5.2	U	ug/kg	5.2	4.2	U	ug/kg	4.2	5.4	U	ug/kg	5.4
Endrin ketone		20	U	ug/kg	20	5.2	U	ug/kg	5.2	4.2	U	ug/kg	4.2	5.4	U	ug/kg	5.4
Chlordane		100	U	ug/kg	100	27	U	ug/kg	27	22	U	ug/kg	22	28	U	ug/kg	28
Chlorobenzilate		26	U	ug/kg	26	80	U	ug/kg	80	64	U	ug/kg	64	83	U	ug/kg	83
Diallate		51	U	ug/kg	51	160	U	ug/kg	160	130	U	ug/kg	130	170	U	ug/kg	170
Toxaphene		200	U	ug/kg	200	130	U	ug/kg	130	110	U	ug/kg	110	140	U	ug/kg	140
Isodrin		1	U	ug/kg	1	2.7	U	ug/kg	2.7	2.2	U	ug/kg	2.2	2.8	U	ug/kg	2.8
Kepone		51	U	ug/kg	51	160	U	ug/kg	160	130	U	ug/kg	130	170	U	ug/kg	170
Aroclor-1016		100	U	ug/kg	100	130	U	ug/kg	130	110	U	ug/kg	110	140	U	ug/kg	140
Aroclor-1221		100	U	ug/kg	100	270	U	ug/kg	270	220	U	ug/kg	220	280	U	ug/kg	280

US Naval Station, Mayport, Florida
Analytical Results for Sediment Samples Collected at SWMU 49

Lab Sample Number:		21528010				M7645007				M7645006				M7645009			
Site		GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator		MPT49SD81D				49SD009				49SD010				49SD011			
Collect Date:		22-APR-92				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
Aroclor-1232		100	U	ug/kg	100	270	U	ug/kg	270	220	U	ug/kg	220	280	U	ug/kg	280
Aroclor-1242		100	U	ug/kg	100	130	U	ug/kg	130	110	U	ug/kg	110	140	U	ug/kg	140
Aroclor-1248		100	U	ug/kg	100	130	U	ug/kg	130	110	U	ug/kg	110	140	U	ug/kg	140
Aroclor-1254		200	U	ug/kg	200	68	U	ug/kg	68	55	U	ug/kg	55	71	U	ug/kg	71
Aroclor-1260		200	U	ug/kg	200	68	U	ug/kg	68	55	U	ug/kg	55	71	U	ug/kg	71
INORGANICS (SOIL)	mg/kg																
Antimony		3.1	U	mg/kg	3.1	2.3	J	mg/kg		1.6	J	mg/kg		2	J	mg/kg	
Arsenic		.4	J	mg/kg		4.5	J	mg/kg		6.2	J	mg/kg		10.8		mg/kg	
Barium		5.3	J	mg/kg		17	J	mg/kg		18	J	mg/kg		19.2	J	mg/kg	
Beryllium		.06	J	mg/kg		.65	J	mg/kg		.93	J	mg/kg		1.1	J	mg/kg	
Cadmium		.84	U	mg/kg	.84	2.4	U	mg/kg	2.4	2	U	mg/kg	2	2.3	U	mg/kg	2.3
Chromium		4.4		mg/kg		23.4		mg/kg		28.3		mg/kg		31.8		mg/kg	
Cobalt		1	U	mg/kg	1	3.1	J	mg/kg		3.2	J	mg/kg		6.9	J	mg/kg	
Copper		5.3	J	mg/kg		11.9	J	mg/kg		7.4	J	mg/kg		45.7		mg/kg	
Cyanide		.33	J	mg/kg		.12	J	mg/kg		.11	U	mg/kg	.11	.12	U	mg/kg	.12
Lead		3.4	J	mg/kg		22.9	J	mg/kg		14.2	J	mg/kg		21.9	J	mg/kg	
Mercury		0	UJ	mg/kg	0	.23	U	mg/kg	.23	.83		mg/kg		.27	U	mg/kg	.27
Nickel		1.9	J	mg/kg		56		mg/kg		4.9	U	mg/kg	4.9	70.6		mg/kg	
Selenium		.35	UJ	mg/kg	.35	1	U	mg/kg	1	.88	U	mg/kg	.88	1	U	mg/kg	1
Silver		.49	U	mg/kg	.49	1.6	U	mg/kg	1.6	1.4	U	mg/kg	1.4	2.4	J	mg/kg	
Thallium		.47	UJ	mg/kg	.47	1	U	mg/kg	1	.87	U	mg/kg	.87	1	U	mg/kg	1
Tin		7.6	U	mg/kg	7.6	8.8	J	mg/kg		9.2	J	mg/kg		10.9	J	mg/kg	
Vanadium		2.5	J	mg/kg		23	J	mg/kg		29.6	J	mg/kg		37.9	J	mg/kg	
Zinc		19		mg/kg		94.1		mg/kg		42.4		mg/kg		625		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.

US Naval Station, Mayport, Florida
Analytical Results for Sediment Samples Collected at SWMU 49

Lab Sample Number:		M7645008			R8730004			R8730006			R8730005		
Site		GROUPI&II			GROUPI&II			GROUPI&II			GROUPI&II		
Locator		49SD012			49SD013			49SD014			49SD015		
Collect Date:		02-AUG-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
VOLATILES	ug/kg												
Chloromethane		33 U	ug/kg	33	13 U	ug/kg	13	14 U	ug/kg	14	13 U	ug/kg	13
Bromomethane		33 U	ug/kg	33	13 U	ug/kg	13	14 U	ug/kg	14	13 U	ug/kg	13
Vinyl chloride		33 U	ug/kg	33	13 U	ug/kg	13	14 U	ug/kg	14	13 U	ug/kg	13
Chloroethane		33 U	ug/kg	33	13 U	ug/kg	13	14 U	ug/kg	14	13 U	ug/kg	13
Methylene chloride		25 U	ug/kg	25	6 U	ug/kg	6	7 U	ug/kg	7	6 U	ug/kg	6
Acetone		510 J	ug/kg		20 U	ug/kg	20	22 U	ug/kg	22	23 U	ug/kg	23
Carbon disulfide		58	ug/kg		6 U	ug/kg	6	7 U	ug/kg	7	6 U	ug/kg	6
1,1-Dichloroethane		17 U	ug/kg	17	6 U	ug/kg	6	7 U	ug/kg	7	6 U	ug/kg	6
1,1-Dichloroethene		17 U	ug/kg	17	6 U	ug/kg	6	7 U	ug/kg	7	6 U	ug/kg	6
1,2-Dichloroethene (total)		17 U	ug/kg	17	6 U	ug/kg	6	7 U	ug/kg	7	6 U	ug/kg	6
Chloroform		17 U	ug/kg	17	6 U	ug/kg	6	7 U	ug/kg	7	6 U	ug/kg	6
1,2-Dichloroethane		17 U	ug/kg	17	6 U	ug/kg	6	7 U	ug/kg	7	6 U	ug/kg	6
2-Butanone		64 J	ug/kg		13 R	ug/kg		14 R	ug/kg		13 R	ug/kg	
1,1,1-Trichloroethane		17 U	ug/kg	17	6 U	ug/kg	6	7 U	ug/kg	7	6 U	ug/kg	6
Carbon tetrachloride		17 U	ug/kg	17	6 U	ug/kg	6	7 U	ug/kg	7	6 U	ug/kg	6
Bromodichloromethane		17 U	ug/kg	17	6 U	ug/kg	6	7 U	ug/kg	7	6 U	ug/kg	6
1,2-Dichloropropane		17 U	ug/kg	17	6 U	ug/kg	6	7 U	ug/kg	7	6 U	ug/kg	6
cis-1,3-Dichloropropene		17 U	ug/kg	17	6 U	ug/kg	6	7 U	ug/kg	7	6 U	ug/kg	6
Trichloroethene		17 U	ug/kg	17	6 U	ug/kg	6	7 U	ug/kg	7	6 U	ug/kg	6
Dibromochloromethane		17 U	ug/kg	17	6 U	ug/kg	6	7 U	ug/kg	7	6 U	ug/kg	6
1,1,2-Trichloroethane		17 U	ug/kg	17	6 U	ug/kg	6	7 U	ug/kg	7	6 U	ug/kg	6
Benzene		17 U	ug/kg	17	6 U	ug/kg	6	7 U	ug/kg	7	6 U	ug/kg	6
trans-1,3-Dichloropropene		17 U	ug/kg	17	6 U	ug/kg	6	7 U	ug/kg	7	6 U	ug/kg	6
Bromoform		17 U	ug/kg	17	6 U	ug/kg	6	7 U	ug/kg	7	6 U	ug/kg	6
4-Methyl-2-pentanone		33 U	ug/kg	33	13 U	ug/kg	13	14 U	ug/kg	14	13 U	ug/kg	13
2-Hexanone		33 U	ug/kg	33	13 U	ug/kg	13	14 U	ug/kg	14	13 U	ug/kg	13
Tetrachloroethene		17 U	ug/kg	17	6 U	ug/kg	6	7 U	ug/kg	7	6 U	ug/kg	6
1,1,2,2-Tetrachloroethane		17 U	ug/kg	17	6 U	ug/kg	6	7 U	ug/kg	7	6 U	ug/kg	6
Toluene		17 U	ug/kg	17	6 U	ug/kg	6	7 U	ug/kg	7	6 U	ug/kg	6
Chlorobenzene		17 U	ug/kg	17	6 U	ug/kg	6	7 U	ug/kg	7	6 U	ug/kg	6
Ethylbenzene		17 U	ug/kg	17	6 U	ug/kg	6	7 U	ug/kg	7	6 U	ug/kg	6
Styrene		17 U	ug/kg	17	6 U	ug/kg	6	7 U	ug/kg	7	6 U	ug/kg	6
Xylenes (total)		17 U	ug/kg	17	6 U	ug/kg	6	7 U	ug/kg	7	6 U	ug/kg	6
Dichlorodifluoromethane		33 U	ug/kg	33	13 U	ug/kg	13	14 U	ug/kg	14	13 U	ug/kg	13
Trichlorofluoromethane		17 U	ug/kg	17	6 U	ug/kg	6	7 U	ug/kg	7	6 U	ug/kg	6
1,3-Dichlorobenzene		17 U	ug/kg	17	6 U	ug/kg	6	7 U	ug/kg	7	6 U	ug/kg	6
Acrolein		330 U	ug/kg	330	130 U	ug/kg	130	140 U	ug/kg	140	130 U	ug/kg	130
Iodomethane		33 U	ug/kg	33	13 U	ug/kg	13	14 U	ug/kg	14	13 U	ug/kg	13
1,4-Dichlorobenzene		12000 U	ug/kg	12000	6 U	ug/kg	6	7 U	ug/kg	7	6 U	ug/kg	6
Acrylonitrile		330 U	ug/kg	330	130 U	ug/kg	130	140 U	ug/kg	140	130 U	ug/kg	130

US Naval Station, Mayport, Florida
Analytical Results for Sediment Samples Collected at SWMU 49

Lab Sample Number:		M7645008				R8730004				R8730006				R8730005			
Site		GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator		49SD012				49SD013				49SD014				49SD015			
Collect Date:		02-AUG-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
Dibromomethane		17	U	ug/kg	17	6	U	ug/kg	6	7	U	ug/kg	7	6	U	ug/kg	6
1,2-Dichlorobenzene		12000	U	ug/kg	12000	6	U	ug/kg	6	7	U	ug/kg	7	850	U	ug/kg	850
2-Chloroethylvinyl ether		33	U	ug/kg	33	13	UJ	ug/kg		14	UJ	ug/kg		13	UJ	ug/kg	
Ethyl methacrylate		17	U	ug/kg	17	6	U	ug/kg	6	7	U	ug/kg	7	6	U	ug/kg	6
1,2,3-Trichloropropane		17	U	ug/kg	17	6	U	ug/kg	6	7	U	ug/kg	7	6	U	ug/kg	6
trans-1,4-Dichloro-2-butene		17	U	ug/kg	17	6	U	ug/kg	6	7	U	ug/kg	7	6	U	ug/kg	6
Isobutyl alcohol		670	U	ug/kg	670	250	R	ug/kg		270	R	ug/kg		260	R	ug/kg	
1,1,1,2-Tetrachloroethane		17	U	ug/kg	17	6	U	ug/kg	6	7	U	ug/kg	7	6	U	ug/kg	6
1,2-Dibromo-3-chloropropane		350	U	ug/kg	350	13	UJ	ug/kg		14	UJ	ug/kg		13	UJ	ug/kg	
Ethylene dibromide		17	U	ug/kg	17	6	U	ug/kg	6	7	U	ug/kg	7	6	U	ug/kg	6
1,4-Dioxane		670	R	ug/kg		250	R	ug/kg		270	R	ug/kg		260	R	ug/kg	
3-Chloropropene		17	U	ug/kg	17	6	UJ	ug/kg		7	UJ	ug/kg		6	UJ	ug/kg	
Acetonitrile		330	U	ug/kg	330	130	U	ug/kg	130	140	U	ug/kg	140	130	U	ug/kg	130
Chloroprene		670	U	ug/kg	670	250	U	ug/kg	250	270	U	ug/kg	270	260	U	ug/kg	260
Methacrylonitrile		17	U	ug/kg	17	6	UJ	ug/kg		7	UJ	ug/kg		6	UJ	ug/kg	
Methyl methacrylate		33	U	ug/kg	33	13	UJ	ug/kg		14	UJ	ug/kg		13	UJ	ug/kg	
Pentachloroethane		33	U	ug/kg	33	13	UJ	ug/kg		14	UJ	ug/kg		13	UJ	ug/kg	
Propionitrile		330	U	ug/kg	330	130	UJ	ug/kg		140	UJ	ug/kg		130	UJ	ug/kg	
Vinyl acetate		33	U	ug/kg	33	13	U	ug/kg	13	14	U	ug/kg	14	13	U	ug/kg	13
SEMIVOLATILES	ug/kg																
N-Nitrosodimethylamine		12000	U	ug/kg	12000	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850
Phenol		12000	U	ug/kg	12000	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850
Aniline		12000	UJ	ug/kg		840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850
bis(2-Chloroethyl) ether		12000	U	ug/kg	12000	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850
Benzyl Alcohol		12000	U	ug/kg	12000	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850
2-Methylphenol		12000	U	ug/kg	12000	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850
bis(2-Chloroisopropyl) ether		12000	UJ	ug/kg		840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850
N-Nitroso-di-n-propylamine		12000	U	ug/kg	12000	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850
Hexachloroethane		12000	U	ug/kg	12000	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850
Nitrobenzene		12000	U	ug/kg	12000	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850
Isophorone		12000	U	ug/kg	12000	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850
2-Nitrophenol		12000	U	ug/kg	12000	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850
2,4-Dimethylphenol		12000	U	ug/kg	12000	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850
Benzoic acid		61000	UJ	ug/kg		4100	U	ug/kg	4100	4400	U	ug/kg	4400	4100	U	ug/kg	4100
bis(2-Chloroethoxy) methane		12000	U	ug/kg	12000	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850
2,4-Dichlorophenol		12000	U	ug/kg	12000	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850
1,2,4-Trichlorobenzene		12000	U	ug/kg	12000	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850
Naphthalene		12000	U	ug/kg	12000	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850
4-Chloroaniline		12000	U	ug/kg	12000	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850
Hexachlorobutadiene		12000	U	ug/kg	12000	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850
4-Chloro-3-methylphenol		12000	U	ug/kg	12000	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850
2-Methylnaphthalene		12000	U	ug/kg	12000	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850
Hexachlorocyclopentadiene		12000	U	ug/kg	12000	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850
2,4,6-Trichlorophenol		12000	U	ug/kg	12000	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850
Dimethylphthalate		12000	U	ug/kg	12000	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850
2,4,5-Trichlorophenol		61000	U	ug/kg	61000	4100	U	ug/kg	4100	4400	U	ug/kg	4400	4100	U	ug/kg	4100
2-Chloronaphthalene		12000	U	ug/kg	12000	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850
2-Nitroaniline		61000	U	ug/kg	61000	4100	U	ug/kg	4100	4400	U	ug/kg	4400	4100	U	ug/kg	4100
Acenaphthylene		12000	U	ug/kg	12000	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850
2,6-Dinitrotoluene		12000	U	ug/kg	12000	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850
3-Nitroaniline		61000	U	ug/kg	61000	4100	U	ug/kg	4100	4400	U	ug/kg	4400	4100	U	ug/kg	4100

US Naval Station, Mayport, Florida
Analytical Results for Sediment Samples Collected at SWMU 49

Lab Sample Number:	M7645008				R8730004				R8730006				R8730005			
Site	GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator	49SD012				49SD013				49SD014				49SD015			
Collect Date:	02-AUG-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
Acenaphthene	12000	U	ug/kg	12000	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850
2,4-Dinitrophenol	61000	U	ug/kg	61000	4100	U	ug/kg	4100	4400	U	ug/kg	4400	4100	U	ug/kg	4100
4-Nitrophenol	61000	U	ug/kg	61000	4100	U	ug/kg	4100	4400	U	ug/kg	4400	4100	U	ug/kg	4100
Dibenzofuran	12000	U	ug/kg	12000	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850
2,4-Dinitrotoluene	12000	U	ug/kg	12000	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850
Diethylphthalate	12000	U	ug/kg	12000	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850
4-Chlorophenyl-phenylether	12000	U	ug/kg	12000	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850
Fluorene	12000	U	ug/kg	12000	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850
4-Nitroaniline	61000	U	ug/kg	61000	4100	U	ug/kg	4100	4400	U	ug/kg	4400	4100	U	ug/kg	4100
4,6-Dinitro-2-methylphenol	61000	U	ug/kg	61000	4100	U	ug/kg	4100	4400	U	ug/kg	4400	4100	U	ug/kg	4100
N-Nitrosodiphenylamine	12000	U	ug/kg	12000	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850
1,2-Diphenylhydrazine	12000	UJ	ug/kg		840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850
4-Bromophenyl-phenylether	12000	U	ug/kg	12000	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850
Hexachlorobenzene	12000	U	ug/kg	12000	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850
Pentachlorophenol	61000	U	ug/kg	61000	4100	U	ug/kg	4100	4400	U	ug/kg	4400	4100	U	ug/kg	4100
Phenanthrene	12000	U	ug/kg	12000	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850
Anthracene	12000	U	ug/kg	12000	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850
Di-n-Butylphthalate	12000	U	ug/kg	12000	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850
Fluoranthene	12000	U	ug/kg	12000	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850
Pyrene	12000	U	ug/kg	12000	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850
Butylbenzylphthalate	12000	U	ug/kg	12000	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850
3,3-Dichlorobenzidine	25000	U	ug/kg	25000	1700	U	ug/kg	1700	1800	U	ug/kg	1800	1700	U	ug/kg	1700
Benzo (a) anthracene	12000	U	ug/kg	12000	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850
Chrysene	12000	U	ug/kg	12000	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850
bis(2-Ethylhexyl) phthalate	12000	U	ug/kg	12000	110	J	ug/kg		94	J	ug/kg		460	J	ug/kg	
Di-n-octylphthalate	12000	U	ug/kg	12000	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850
Benzo (b) fluoranthene	12000	U	ug/kg	12000	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850
Benzo (k) fluoranthene	12000	U	ug/kg	12000	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850
Benzo (a) pyrene	12000	U	ug/kg	12000	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850
Indeno (1,2,3-cd) pyrene	12000	U	ug/kg	12000	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850
Dibenzo (a,h) anthracene	12000	U	ug/kg	12000	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850
Benzo (g,h,i) perylene	12000	U	ug/kg	12000	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850
2-Picoline	61000	U	ug/kg	61000	4100	U	ug/kg	4100	4400	U	ug/kg	4400	4100	U	ug/kg	4100
Methyl methanesulfonate	12000	U	ug/kg	12000	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850
Ethyl methanesulfonate	12000	U	ug/kg	12000	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850
Acetophenone	12000	U	ug/kg	12000	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850
N-Nitrosopiperidine	12000	U	ug/kg	12000	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850
Phenyl-tert-butylamine	61000	U	ug/kg	61000	4100	U	ug/kg	4100	4400	U	ug/kg	4400	4100	U	ug/kg	4100
2,6-Dichlorophenol	12000	U	ug/kg	12000	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850
N-Nitroso-di-n-butylamine	12000	U	ug/kg	12000	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850
N-Nitrosodiethylamine	12000	U	ug/kg	12000	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850
N-Nitrosopyrrolidine	12000	U	ug/kg	12000	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850
Benzidine	61000	U	ug/kg	61000	4100	U	ug/kg	4100	4400	U	ug/kg	4400	4100	U	ug/kg	4100
1,2,4,5-Tetrachlorobenzene	61000	U	ug/kg	61000	4100	U	ug/kg	4100	4400	U	ug/kg	4400	4100	U	ug/kg	4100
Pentachlorobenzene	61000	U	ug/kg	61000	4100	U	ug/kg	4100	4400	U	ug/kg	4400	4100	U	ug/kg	4100
1-Naphthylamine	61000	U	ug/kg	61000	4100	U	ug/kg	4100	4400	U	ug/kg	4400	4100	U	ug/kg	4100
2-Naphthylamine	61000	U	ug/kg	61000	4100	U	ug/kg	4100	4400	U	ug/kg	4400	4100	U	ug/kg	4100
2,3,4,6-Tetrachlorophenol	12000	U	ug/kg	12000	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850
Phenacetin	12000	U	ug/kg	12000	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850
4-Aminobiphenyl	61000	U	ug/kg	61000	4100	U	ug/kg	4100	4400	U	ug/kg	4400	4100	U	ug/kg	4100
Pentachloronitrobenzene	61000	U	ug/kg	61000	4100	U	ug/kg	4100	4400	U	ug/kg	4400	4100	U	ug/kg	4100
Pronamide	12000	U	ug/kg	12000	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850

US Naval Station, Mayport, Florida
Analytical Results for Sediment Samples Collected at SWMU 49

Lab Sample Number:	M7645008				R8730004				R8730006				R8730005			
Site	GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator	49SD012				49SD013				49SD014				49SD015			
Collect Date:	02-AUG-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
p-Dimethylaminoazobenzene	12000	U	ug/kg	12000	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850
7,12-Dimethylbenz(A)Anthracene	12000	U	ug/kg	12000	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850
3-Methylcholanthrene	12000	U	ug/kg	12000	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850
Pyridine	61000	U	ug/kg	61000	4100	U	ug/kg	4100	4400	U	ug/kg	4400	4100	U	ug/kg	4100
N-Nitrosomethylethylamine	12000	U	ug/kg	12000	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850
N-Nitrosomorpholine	12000	U	ug/kg	12000	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850
o-Toluidine	12000	U	ug/kg	12000	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850
Hexachloropropene	61000	U	ug/kg	61000	4100	U	ug/kg	4100	4400	U	ug/kg	4400	4100	U	ug/kg	4100
p-Phenylenediamine	610000	U	ug/kg	610000	41000	U	ug/kg	41000	44000	U	ug/kg	44000	41000	U	ug/kg	41000
Safrole	61000	U	ug/kg	61000	4100	U	ug/kg	4100	4400	U	ug/kg	4400	4100	U	ug/kg	4100
Isosafrole	61000	U	ug/kg	61000	4100	U	ug/kg	4100	4400	U	ug/kg	4400	4100	U	ug/kg	4100
1,4-Naphthoquinone	1200000	U	ug/kg	1200000	84000	U	ug/kg	84000	90000	U	ug/kg	90000	85000	U	ug/kg	85000
1,3-Dinitrobenzene	12000	U	ug/kg	12000	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850
5-Nitro-o-toluidine	12000	U	ug/kg	12000	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850
1,3,5-Trinitrobenzene	12000	U	ug/kg	12000	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850
4-Nitroquinoline-1-oxide	610000	U	ug/kg	610000	41000	UJ	ug/kg		44000	UJ	ug/kg		41000	UJ	ug/kg	
Methapyrilene	61000	U	ug/kg	61000	4100	U	ug/kg	4100	4400	U	ug/kg	4400	4100	U	ug/kg	4100
3,3-Dimethylbenzidine	12000	U	ug/kg	12000	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850
Hexachlorophene	610000	UJ	ug/kg		41000	UJ	ug/kg		44000	UJ	ug/kg		41000	UJ	ug/kg	
Aramite	61000	U	ug/kg	61000	4100	U	ug/kg	4100	4400	U	ug/kg	4400	4100	U	ug/kg	4100
2-Chlorophenol	12000	U	ug/kg	12000	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850
3- & 4-Methylphenol (2)	12000	U	ug/kg	12000	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850
Hexachloropropene	61000	U	ug/kg	61000	4100	U	ug/kg	4100	4400	U	ug/kg	4400	4100	U	ug/kg	4100
2-Acetylaminofluorene	12000	U	ug/kg	12000	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850
PESTICIDES/PCBs ug/kg																
alpha-BHC	2.5	U	ug/kg	2.5	.84	U	ug/kg	.84	.92	U	ug/kg	.92	.86	UJ	ug/kg	
beta-BHC	4.8	U	ug/kg	4.8	1.6	U	ug/kg	1.6	1.8	U	ug/kg	1.8	1.7	UJ	ug/kg	
delta-BHC	2.5	U	ug/kg	2.5	.84	U	ug/kg	.84	.92	U	ug/kg	.92	.86	UJ	ug/kg	
gamma-BHC (Lindane)	2.5	U	ug/kg	2.5	.84	U	ug/kg	.84	.92	U	ug/kg	.92	.86	UJ	ug/kg	
Heptachlor	2.5	U	ug/kg	2.5	.84	U	ug/kg	.84	.92	U	ug/kg	.92	.86	UJ	ug/kg	
Aldrin	2.5	U	ug/kg	2.5	.84	U	ug/kg	.84	.92	U	ug/kg	.92	.86	UJ	ug/kg	
Heptachlor epoxide	2.5	U	ug/kg	2.5	.84	U	ug/kg	.84	.92	U	ug/kg	.92	.86	UJ	ug/kg	
Endosulfan I	2.5	U	ug/kg	2.5	.84	U	ug/kg	.84	.92	U	ug/kg	.92	.86	UJ	ug/kg	
Dieldrin	2.5	U	ug/kg	2.5	.84	U	ug/kg	.84	.92	U	ug/kg	.92	.86	UJ	ug/kg	
4,4-DDE	9.1		ug/kg		1.4		ug/kg		1.2		ug/kg		.86	UJ	ug/kg	
Endrin	4.8	U	ug/kg	4.8	1.6	U	ug/kg	1.6	1.8	U	ug/kg	1.8	1.7	UJ	ug/kg	
Endosulfan II	4.8	U	ug/kg	4.8	1.6	U	ug/kg	1.6	1.8	U	ug/kg	1.8	1.7	UJ	ug/kg	
4,4-DDD	4.8	U	ug/kg	4.8	1.6	U	ug/kg	1.6	1.8	U	ug/kg	1.8	1.7	UJ	ug/kg	
Endosulfan sulfate	4.8	U	ug/kg	4.8	1.6	U	ug/kg	1.6	1.8	U	ug/kg	1.8	1.7	UJ	ug/kg	
4,4-DDT	4.8	U	ug/kg	4.8	1.6	U	ug/kg	1.6	1.8	U	ug/kg	1.8	1.7	UJ	ug/kg	
Methoxychlor	10	U	ug/kg	10	3.4	U	ug/kg	3.4	3.7	U	ug/kg	3.7	3.5	UJ	ug/kg	
Endrin aldehyde	4.8	U	ug/kg	4.8	1.6	U	ug/kg	1.6	1.8	U	ug/kg	1.8	1.7	UJ	ug/kg	
Endrin ketone	4.8	U	ug/kg	4.8	1.6	U	ug/kg	1.6	1.8	U	ug/kg	1.8	1.7	UJ	ug/kg	
Chlordane	25	U	ug/kg	25	8.4	U	ug/kg	8.4	9.2	U	ug/kg	9.2	8.6	UJ	ug/kg	
Chlorobenzilate	74	U	ug/kg	74	25	U	ug/kg	25	28	U	ug/kg	28	26	UJ	ug/kg	
Diallate	150	U	ug/kg	150	50	U	ug/kg	50	55	U	ug/kg	55	51	UJ	ug/kg	
Toxaphene	120	U	ug/kg	120	42	U	ug/kg	42	45	U	ug/kg	45	42	UJ	ug/kg	
Isodrin	2.5	U	ug/kg	2.5	.84	U	ug/kg	.84	.92	U	ug/kg	.92	.86	UJ	ug/kg	
Kepone	150	U	ug/kg	150	51	UJ	ug/kg		55	UJ	ug/kg		51	UJ	ug/kg	
Aroclor-1016	120	U	ug/kg	120	42	U	ug/kg	42	45	U	ug/kg	45	42	UJ	ug/kg	
Aroclor-1221	250	U	ug/kg	250	84	U	ug/kg	84	92	U	ug/kg	92	86	UJ	ug/kg	

US Naval Station, Mayport, Florida
Analytical Results for Sediment Samples Collected at SWMU 49

Lab Sample Number:		M7645008				R8730004				R8730006				R8730005			
Site		GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator		49SD012				49SD013				49SD014				49SD015			
Collect Date:		02-AUG-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
Aroclor-1232		250	U	ug/kg	250	84	U	ug/kg	84	92	U	ug/kg	92	86	UJ	ug/kg	
Aroclor-1242		120	U	ug/kg	120	42	U	ug/kg	42	45	U	ug/kg	45	42	UJ	ug/kg	
Aroclor-1248		120	U	ug/kg	120	42	U	ug/kg	42	45	U	ug/kg	45	42	UJ	ug/kg	
Aroclor-1254		63	U	ug/kg	63	20	U	ug/kg	20	22	U	ug/kg	22	21	UJ	ug/kg	
Aroclor-1260		63	U	ug/kg	63	20	U	ug/kg	20	22	U	ug/kg	22	21	UJ	ug/kg	
INORGANICS (SOIL)	mg/kg																
Antimony		1.7	J	mg/kg		1.3	U	mg/kg	1.3	1.4	U	mg/kg	1.4	1.3	U	mg/kg	1.3
Arsenic		6.9	J	mg/kg		.2	J	mg/kg		.69	J	mg/kg		1.1	J	mg/kg	
Barium		18.1	J	mg/kg		3.4	J	mg/kg		1.7	UJ	mg/kg		3.6	J	mg/kg	
Beryllium		.83	J	mg/kg		.076	U	mg/kg	.076	.09	J	mg/kg		.11	J	mg/kg	
Cadmium		2.3	U	mg/kg	2.3	.25	U	mg/kg	.25	.28	U	mg/kg	.28	.26	U	mg/kg	.26
Chromium		24.9		mg/kg		4.4		mg/kg		1.9	J	mg/kg		5.9		mg/kg	
Cobalt		3.6	J	mg/kg		.78	U	mg/kg	.78	.85	U	mg/kg	.85	.8	U	mg/kg	.8
Copper		11.9	J	mg/kg		1.4	UJ	mg/kg		1	UJ	mg/kg		2.2	UJ	mg/kg	
Cyanide		.12	U	mg/kg	.12	.17	U	mg/kg	.17	.27	J	mg/kg		.17	U	mg/kg	.17
Lead		22.9	J	mg/kg		.38	UJ	mg/kg		.94	UJ	mg/kg		1.5	UJ	mg/kg	
Mercury		.26	U	mg/kg	.26	.04	U	mg/kg	.04	.04	U	mg/kg	.04	.04	U	mg/kg	.04
Nickel		7.8	J	mg/kg		2.86	UJ	mg/kg		1.6	U	mg/kg	1.6	1.5	U	mg/kg	1.5
Selenium		1	U	mg/kg	1	.15	U	mg/kg	.15	.17	U	mg/kg	.17	.15	U	mg/kg	.15
Silver		1.6	U	mg/kg	1.6	.53	U	mg/kg	.53	.58	U	mg/kg	.58	.54	U	mg/kg	.54
Thallium		.98	U	mg/kg	.98	.15	U	mg/kg	.15	.17	U	mg/kg	.17	.21	J	mg/kg	
Tin		10	J	mg/kg		3.6	J	mg/kg		2.2	U	mg/kg	2.2	2.1	U	mg/kg	2.1
Vanadium		26.6	J	mg/kg		3.1	J	mg/kg		1.6	J	mg/kg		3.9	J	mg/kg	
Zinc		57.5		mg/kg		4.9	J	mg/kg		2.8	J	mg/kg		10.1		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.

US Naval Station, Mayport, Florida
Analytical Results for Sediment Samples Collected at SWMU 49

Lab Sample Number:		R8730003			R8730001			R8730002			MB944002		
Site		GROUPI&II			GROUPI&II			GROUPI&II			GROUPI&II		
Locator		49SD016			49SD017			49SD017D			49D01801		
Collect Date:		12-SEP-94			12-SEP-94			12-SEP-94			25-SEP-96		
		VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
VOLATILES	ug/kg												
Chloromethane		14 R	ug/kg		26 U	ug/kg	26	25 U	ug/kg	25	26 U	ug/kg	26
Bromomethane		14 R	ug/kg		26 U	ug/kg	26	25 U	ug/kg	25	26 U	ug/kg	26
Vinyl chloride		14 R	ug/kg		26 U	ug/kg	26	25 U	ug/kg	25	26 U	ug/kg	26
Chloroethane		14 R	ug/kg		26 U	ug/kg	26	25 U	ug/kg	25	26 U	ug/kg	26
Methylene chloride		7 R	ug/kg		13 U	ug/kg	13	12 U	ug/kg	12	46	ug/kg	13
Acetone		12 R	ug/kg		61 U	ug/kg	61	100 U	ug/kg	100	340	ug/kg	26
Carbon disulfide		2 R	ug/kg		13	ug/kg		11 J	ug/kg		13 U	ug/kg	13
1,1-Dichloroethane		7 R	ug/kg		13 U	ug/kg	13	12 U	ug/kg	12	13 U	ug/kg	13
1,1-Dichloroethene		7 R	ug/kg		13 U	ug/kg	13	12 U	ug/kg	12	13 U	ug/kg	13
1,2-Dichloroethene (total)		7 R	ug/kg		13 U	ug/kg	13	12 U	ug/kg	12	13 U	ug/kg	13
Chloroform		7 R	ug/kg		13 U	ug/kg	13	12 U	ug/kg	12	13 U	ug/kg	13
1,2-Dichloroethane		7 R	ug/kg		13 U	ug/kg	13	12 U	ug/kg	12	13 U	ug/kg	13
2-Butanone		14 R	ug/kg		26 R	ug/kg		25 R	ug/kg		26 U	ug/kg	26
1,1,1-Trichloroethane		7 R	ug/kg		13 U	ug/kg	13	12 U	ug/kg	12	13 U	ug/kg	13
Carbon tetrachloride		7 R	ug/kg		13 U	ug/kg	13	12 U	ug/kg	12	13 U	ug/kg	13
Bromodichloromethane		7 R	ug/kg		13 U	ug/kg	13	12 U	ug/kg	12	13 U	ug/kg	13
1,2-Dichloropropane		7 R	ug/kg		13 U	ug/kg	13	12 U	ug/kg	12	13 U	ug/kg	13
cis-1,3-Dichloropropene		7 R	ug/kg		13 U	ug/kg	13	12 U	ug/kg	12	13 U	ug/kg	13
Trichloroethene		7 R	ug/kg		13 U	ug/kg	13	12 U	ug/kg	12	13 U	ug/kg	13
Dibromochloromethane		7 R	ug/kg		13 U	ug/kg	13	12 U	ug/kg	12	13 U	ug/kg	13
1,1,2-Trichloroethane		7 R	ug/kg		13 U	ug/kg	13	12 U	ug/kg	12	13 U	ug/kg	13
Benzene		7 R	ug/kg		13 U	ug/kg	13	12 U	ug/kg	12	13 U	ug/kg	13
trans-1,3-Dichloropropene		7 R	ug/kg		13 U	ug/kg	13	12 U	ug/kg	12	13 U	ug/kg	13
Bromoform		7 R	ug/kg		13 U	ug/kg	13	12 U	ug/kg	12	13 U	ug/kg	13
4-Methyl-2-pentanone		14 R	ug/kg		26 U	ug/kg	26	25 U	ug/kg	25	26 U	ug/kg	26
2-Hexanone		14 R	ug/kg		26 U	ug/kg	26	25 U	ug/kg	25	26 U	ug/kg	26
Tetrachloroethene		7 R	ug/kg		13 U	ug/kg	13	12 U	ug/kg	12	13 U	ug/kg	13
1,1,2,2-Tetrachloroethane		7 R	ug/kg		13 U	ug/kg	13	12 U	ug/kg	12	13 U	ug/kg	13
Toluene		7 R	ug/kg		13 U	ug/kg	13	12 U	ug/kg	12	13 U	ug/kg	13
Chlorobenzene		7 R	ug/kg		13 U	ug/kg	13	12 U	ug/kg	12	13 U	ug/kg	13
Ethylbenzene		7 R	ug/kg		13 U	ug/kg	13	12 U	ug/kg	12	13 U	ug/kg	13
Styrene		7 R	ug/kg		13 U	ug/kg	13	12 U	ug/kg	12	13 U	ug/kg	13
Xylenes (total)		7 R	ug/kg		13 U	ug/kg	13	12 U	ug/kg	12	13 U	ug/kg	13
Dichlorodifluoromethane		14 R	ug/kg		26 U	ug/kg	26	25 U	ug/kg	25	26 U	ug/kg	26
Trichlorofluoromethane		7 R	ug/kg		13 U	ug/kg	13	12 U	ug/kg	12	13 U	ug/kg	13
1,3-Dichlorobenzene		7 R	ug/kg		13 U	ug/kg	13	12 U	ug/kg	12	13 U	ug/kg	13
Acrolein		140 R	ug/kg		260 U	ug/kg	260	250 U	ug/kg	250	260 U	ug/kg	260
Iodomethane		14 R	ug/kg		26 U	ug/kg	26	25 U	ug/kg	25	26 U	ug/kg	26
1,4-Dichlorobenzene		7 R	ug/kg		13 U	ug/kg	13	12 U	ug/kg	12	13 U	ug/kg	13
Acrylonitrile		140 R	ug/kg		260 U	ug/kg	260	250 U	ug/kg	250	260 U	ug/kg	260

US Naval Station, Mayport, Florida
Analytical Results for Sediment Samples Collected at SWMU 49

Lab Sample Number:		R8730003				R8730001				R8730002				MB944002			
Site		GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator		49SD016				49SD017				49SD017D				49D01801			
Collect Date:		12-SEP-94				12-SEP-94				12-SEP-94				25-SEP-96			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Dibromomethane		7	R	ug/kg		13	U	ug/kg	13	12	U	ug/kg	12	13	U	ug/kg	13
1,2-Dichlorobenzene		7	R	ug/kg		13	U	ug/kg	13	12	U	ug/kg	12	13	U	ug/kg	13
2-Chloroethylvinyl ether		14	R	ug/kg		26	UJ	ug/kg		25	UJ	ug/kg		26	U	ug/kg	26
Ethyl methacrylate		7	R	ug/kg		13	U	ug/kg	13	12	U	ug/kg	12	13	U	ug/kg	13
1,2,3-Trichloropropane		7	R	ug/kg		13	U	ug/kg	13	12	U	ug/kg	12	13	U	ug/kg	13
trans-1,4-Dichloro-2-butene		7	R	ug/kg		13	U	ug/kg	13	12	U	ug/kg	12	13	U	ug/kg	13
Isobutyl alcohol		270	R	ug/kg		510	R	ug/kg		500	R	ug/kg		510	U	ug/kg	510
1,1,1,2-Tetrachloroethane		7	R	ug/kg		13	U	ug/kg	13	12	U	ug/kg	12	13	U	ug/kg	13
1,2-Dibromo-3-chloropropane		14	R	ug/kg		26	UJ	ug/kg		25	UJ	ug/kg		26	U	ug/kg	26
Ethylene dibromide		7	R	ug/kg		13	UJ	ug/kg		12	UJ	ug/kg		13	U	ug/kg	13
1,4-Dioxane		270	R	ug/kg		510	R	ug/kg		500	R	ug/kg		510	R	ug/kg	510
3-Chloropropene		7	R	ug/kg		13	UJ	ug/kg		12	UJ	ug/kg		13	U	ug/kg	13
Acetonitrile		140	R	ug/kg		260	U	ug/kg	260	16	J	ug/kg		260	U	ug/kg	260
Chloroprene		270	R	ug/kg		510	U	ug/kg	510	500	U	ug/kg	500	510	U	ug/kg	510
Methacrylonitrile		7	R	ug/kg		13	UJ	ug/kg		12	UJ	ug/kg		13	U	ug/kg	13
Methyl methacrylate		14	R	ug/kg		26	UJ	ug/kg		25	UJ	ug/kg		26	U	ug/kg	26
Pentachloroethane		14	R	ug/kg		26	UJ	ug/kg		25	UJ	ug/kg		26	U	ug/kg	26
Propionitrile		140	R	ug/kg		260	UJ	ug/kg		250	UJ	ug/kg		260	U	ug/kg	260
Vinyl acetate		14	R	ug/kg		26	U	ug/kg	26	25	U	ug/kg	25	26	U	ug/kg	26
SEMIVOLATILES	ug/kg																
N-Nitrosodimethylamine		890	U	ug/kg	890	1700	U	ug/kg	1700	1600	U	ug/kg	1600	850	U	ug/kg	850
Phenol		890	U	ug/kg	890	1700	U	ug/kg	1700	1600	U	ug/kg	1600	850	U	ug/kg	850
Aniline		890	U	ug/kg	890	1700	U	ug/kg	1700	1600	U	ug/kg	1600	850	U	ug/kg	850
bis(2-Chloroethyl) ether		890	U	ug/kg	890	1700	U	ug/kg	1700	1600	U	ug/kg	1600	850	U	ug/kg	850
Benzyl Alcohol		890	U	ug/kg	890	1700	U	ug/kg	1700	1600	U	ug/kg	1600	850	U	ug/kg	850
2-Methylphenol		890	U	ug/kg	890	1700	U	ug/kg	1700	1600	U	ug/kg	1600	850	U	ug/kg	850
bis(2-Chloroisopropyl) ether		890	U	ug/kg	890	1700	U	ug/kg	1700	1600	U	ug/kg	1600	850	U	ug/kg	850
N-Nitroso-di-n-propylamine		890	U	ug/kg	890	1700	U	ug/kg	1700	1600	U	ug/kg	1600	850	U	ug/kg	850
Hexachloroethane		890	U	ug/kg	890	1700	U	ug/kg	1700	1600	U	ug/kg	1600	850	U	ug/kg	850
Nitrobenzene		890	U	ug/kg	890	1700	U	ug/kg	1700	1600	U	ug/kg	1600	850	U	ug/kg	850
Isophorone		890	U	ug/kg	890	1700	U	ug/kg	1700	1600	U	ug/kg	1600	850	U	ug/kg	850
2-Nitrophenol		890	U	ug/kg	890	1700	U	ug/kg	1700	1600	U	ug/kg	1600	850	U	ug/kg	850
2,4-Dimethylphenol		890	U	ug/kg	890	1700	U	ug/kg	1700	1600	U	ug/kg	1600	850	U	ug/kg	850
Benzoic acid		4300	U	ug/kg	4300	8200	U	ug/kg	8200	8000	U	ug/kg	8000	4200	U	ug/kg	4200
bis(2-Chloroethoxy) methane		890	U	ug/kg	890	1700	U	ug/kg	1700	1600	U	ug/kg	1600	850	U	ug/kg	850
2,4-Dichlorophenol		890	U	ug/kg	890	1700	U	ug/kg	1700	1600	U	ug/kg	1600	850	U	ug/kg	850
1,2,4-Trichlorobenzene		890	U	ug/kg	890	1700	U	ug/kg	1700	1600	U	ug/kg	1600	850	U	ug/kg	850
Naphthalene		890	U	ug/kg	890	1700	U	ug/kg	1700	1600	U	ug/kg	1600	850	U	ug/kg	850
4-Chloroaniline		890	U	ug/kg	890	1700	U	ug/kg	1700	1600	U	ug/kg	1600	850	U	ug/kg	850
Hexachlorobutadiene		890	U	ug/kg	890	1700	U	ug/kg	1700	1600	U	ug/kg	1600	850	U	ug/kg	850
4-Chloro-3-methylphenol		890	U	ug/kg	890	1700	U	ug/kg	1700	1600	U	ug/kg	1600	850	U	ug/kg	850
2-Methylnaphthalene		890	U	ug/kg	890	1700	U	ug/kg	1700	1600	U	ug/kg	1600	850	U	ug/kg	850
Hexachlorocyclopentadiene		890	U	ug/kg	890	1700	UJ	ug/kg		1600	U	ug/kg	1600	850	U	ug/kg	850
2,4,6-Trichlorophenol		890	U	ug/kg	890	1700	U	ug/kg	1700	1600	U	ug/kg	1600	850	U	ug/kg	850
Dimethylphthalate		890	U	ug/kg	890	1700	U	ug/kg	1700	1600	U	ug/kg	1600	850	U	ug/kg	850
2,4,5-Trichlorophenol		4300	U	ug/kg	4300	8200	U	ug/kg	8200	8000	U	ug/kg	8000	4200	U	ug/kg	4200
2-Chloronaphthalene		890	U	ug/kg	890	1700	U	ug/kg	1700	1600	U	ug/kg	1600	850	U	ug/kg	850
2-Nitroaniline		4300	U	ug/kg	4300	8200	U	ug/kg	8200	8000	U	ug/kg	8000	4200	U	ug/kg	4200
Acenaphthylene		890	U	ug/kg	890	1700	U	ug/kg	1700	1600	U	ug/kg	1600	850	U	ug/kg	850
2,6-Dinitrotoluene		890	U	ug/kg	890	1700	U	ug/kg	1700	1600	U	ug/kg	1600	850	U	ug/kg	850
3-Nitroaniline		4300	U	ug/kg	4300	8200	U	ug/kg	8200	8000	U	ug/kg	8000	4200	U	ug/kg	4200

US Naval Station, Mayport, Florida
Analytical Results for Sediment Samples Collected at SWMU 49

Lab Sample Number:	R8730003				R8730001				R8730002				MB944002			
Site	GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator	49SD016				49SD017				49SD017D				49D01801			
Collect Date:	12-SEP-94				12-SEP-94				12-SEP-94				25-SEP-96			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Acenaphthene	890	U	ug/kg	890	1700	U	ug/kg	1700	1600	U	ug/kg	1600	850	U	ug/kg	850
2,4-Dinitrophenol	4300	U	ug/kg	4300	8200	U	ug/kg	8200	8000	U	ug/kg	8000	4200	U	ug/kg	4200
4-Nitrophenol	4300	U	ug/kg	4300	8200	U	ug/kg	8200	8000	U	ug/kg	8000	4200	U	ug/kg	4200
Dibenzofuran	890	U	ug/kg	890	1700	U	ug/kg	1700	1600	U	ug/kg	1600	850	U	ug/kg	850
2,4-Dinitrotoluene	890	U	ug/kg	890	1700	U	ug/kg	1700	1600	U	ug/kg	1600	850	U	ug/kg	850
Diethylphthalate	890	U	ug/kg	890	1700	U	ug/kg	1700	1600	U	ug/kg	1600	850	U	ug/kg	850
4-Chlorophenyl-phenylether	890	U	ug/kg	890	1700	U	ug/kg	1700	1600	U	ug/kg	1600	850	U	ug/kg	850
Fluorene	890	U	ug/kg	890	1700	U	ug/kg	1700	1600	U	ug/kg	1600	850	U	ug/kg	850
4-Nitroaniline	4300	U	ug/kg	4300	8200	U	ug/kg	8200	8000	U	ug/kg	8000	4200	U	ug/kg	4200
4,6-Dinitro-2-methylphenol	4300	U	ug/kg	4300	8200	U	ug/kg	8200	8000	U	ug/kg	8000	4200	U	ug/kg	4200
N-Nitrosodiphenylamine	890	U	ug/kg	890	1700	U	ug/kg	1700	1600	U	ug/kg	1600	850	U	ug/kg	850
1,2-Diphenylhydrazine	890	U	ug/kg	890	1700	U	ug/kg	1700	1600	U	ug/kg	1600	850	U	ug/kg	850
4-Bromophenyl-phenylether	890	U	ug/kg	890	1700	U	ug/kg	1700	1600	U	ug/kg	1600	850	U	ug/kg	850
Hexachlorobenzene	890	U	ug/kg	890	1700	U	ug/kg	1700	1600	U	ug/kg	1600	850	U	ug/kg	850
Pentachlorophenol	4300	U	ug/kg	4300	8200	U	ug/kg	8200	8000	U	ug/kg	8000	4200	U	ug/kg	4200
Phenanthrene	890	U	ug/kg	890	1700	U	ug/kg	1700	1600	U	ug/kg	1600	850	U	ug/kg	850
Anthracene	890	U	ug/kg	890	1700	U	ug/kg	1700	1600	U	ug/kg	1600	850	U	ug/kg	850
Di-n-Butylphthalate	890	U	ug/kg	890	1700	U	ug/kg	1700	1600	U	ug/kg	1600	850	U	ug/kg	850
Fluoranthene	890	U	ug/kg	890	1700	U	ug/kg	1700	1600	U	ug/kg	1600	850	U	ug/kg	850
Pyrene	890	U	ug/kg	890	1700	U	ug/kg	1700	1600	U	ug/kg	1600	850	U	ug/kg	850
Butylbenzylphthalate	890	U	ug/kg	890	1700	U	ug/kg	1700	1600	U	ug/kg	1600	850	U	ug/kg	850
3,3-Dichlorobenzidine	1800	U	ug/kg	1800	3400	U	ug/kg	3400	3300	U	ug/kg	3300	1700	U	ug/kg	1700
Benzo (a) anthracene	890	U	ug/kg	890	1700	U	ug/kg	1700	1600	U	ug/kg	1600	850	U	ug/kg	850
Chrysene	890	U	ug/kg	890	1700	U	ug/kg	1700	1600	U	ug/kg	1600	850	U	ug/kg	850
bis(2-Ethylhexyl) phthalate	890	U	ug/kg	890	440	J	ug/kg		180	J	ug/kg		89	J	ug/kg	850
Di-n-octylphthalate	890	U	ug/kg	890	1700	U	ug/kg	1700	1600	U	ug/kg	1600	850	U	ug/kg	850
Benzo (b) fluoranthene	890	U	ug/kg	890	1700	U	ug/kg	1700	1600	U	ug/kg	1600	850	U	ug/kg	850
Benzo (k) fluoranthene	890	U	ug/kg	890	1700	UJ	ug/kg		1600	U	ug/kg	1600	850	U	ug/kg	850
Benzo (a) pyrene	890	U	ug/kg	890	1700	U	ug/kg	1700	1600	U	ug/kg	1600	850	U	ug/kg	850
Indeno (1,2,3-cd) pyrene	890	U	ug/kg	890	1700	U	ug/kg	1700	1600	U	ug/kg	1600	850	U	ug/kg	850
Dibenzo (a,h) anthracene	890	U	ug/kg	890	1700	U	ug/kg	1700	1600	U	ug/kg	1600	850	U	ug/kg	850
Benzo (g,h,i) perylene	890	U	ug/kg	890	1700	U	ug/kg	1700	1600	U	ug/kg	1600	850	U	ug/kg	850
2-Picoline	4300	U	ug/kg	4300	8200	U	ug/kg	8200	8000	U	ug/kg	8000	4200	U	ug/kg	4200
Methyl methanesulfonate	890	U	ug/kg	890	1700	UJ	ug/kg		1600	U	ug/kg	1600	850	U	ug/kg	850
Ethyl methanesulfonate	890	U	ug/kg	890	1700	U	ug/kg	1700	1600	U	ug/kg	1600	850	U	ug/kg	850
Acetophenone	890	U	ug/kg	890	1700	U	ug/kg	1700	1600	U	ug/kg	1600	850	U	ug/kg	850
N-Nitrosopiperidine	890	U	ug/kg	890	1700	U	ug/kg	1700	1600	U	ug/kg	1600	850	UJ	ug/kg	850
Phenyl-tert-butylamine	4300	U	ug/kg	4300	8200	U	ug/kg	8200	8000	U	ug/kg	8000	4200	U	ug/kg	4200
2,6-Dichlorophenol	890	U	ug/kg	890	1700	U	ug/kg	1700	1600	U	ug/kg	1600	850	U	ug/kg	850
N-Nitroso-di-n-butylamine	890	U	ug/kg	890	1700	U	ug/kg	1700	1600	U	ug/kg	1600	850	U	ug/kg	850
N-Nitrosodiethylamine	890	U	ug/kg	890	1700	U	ug/kg	1700	1600	U	ug/kg	1600	850	U	ug/kg	850
N-Nitrosopyrrolidine	890	U	ug/kg	890	1700	U	ug/kg	1700	1600	U	ug/kg	1600	850	U	ug/kg	850
Benzidine	4300	U	ug/kg	4300	8200	UJ	ug/kg		8000	U	ug/kg	8000	4200	U	ug/kg	4200
1,2,4,5-Tetrachlorobenzene	4300	U	ug/kg	4300	8200	U	ug/kg	8200	8000	U	ug/kg	8000	4200	U	ug/kg	4200
Pentachlorobenzene	4300	U	ug/kg	4300	8200	U	ug/kg	8200	8000	U	ug/kg	8000	4200	U	ug/kg	4200
1-Naphthylamine	4300	U	ug/kg	4300	8200	U	ug/kg	8200	8000	U	ug/kg	8000	4200	U	ug/kg	4200
2-Naphthylamine	4300	U	ug/kg	4300	8200	U	ug/kg	8200	8000	U	ug/kg	8000	4200	U	ug/kg	4200
2,3,4,6-Tetrachlorophenol	890	U	ug/kg	890	1700	U	ug/kg	1700	1600	U	ug/kg	1600	850	U	ug/kg	850
Phenacetin	890	U	ug/kg	890	1700	U	ug/kg	1700	1600	U	ug/kg	1600	850	U	ug/kg	850
4-Aminobiphenyl	4300	U	ug/kg	4300	8200	U	ug/kg	8200	8000	U	ug/kg	8000	4200	U	ug/kg	4200
Pentachloronitrobenzene	4300	U	ug/kg	4300	8200	U	ug/kg	8200	8000	U	ug/kg	8000	4200	U	ug/kg	4200
Pronamide	890	U	ug/kg	890	1700	U	ug/kg	1700	1600	U	ug/kg	1600	850	U	ug/kg	850

US Naval Station, Mayport, Florida
Analytical Results for Sediment Samples Collected at SWMU 49

Lab Sample Number:	R8730003				R8730001				R8730002				MB944002			
Site	GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator	49SD016				49SD017				49SD017D				49D01801			
Collect Date:	12-SEP-94				12-SEP-94				12-SEP-94				25-SEP-96			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
p-Dimethylaminoazobenzene	890	U	ug/kg	890	1700	U	ug/kg	1700	1600	U	ug/kg	1600	850	U	ug/kg	850
7,12-Dimethylbenz(A)Anthracene	890	U	ug/kg	890	1700	U	ug/kg	1700	1600	U	ug/kg	1600	850	U	ug/kg	850
3-Methylcholanthrene	890	U	ug/kg	890	1700	U	ug/kg	1700	1600	U	ug/kg	1600	850	U	ug/kg	850
Pyridine	4300	U	ug/kg	4300	8200	U	ug/kg	8200	8000	U	ug/kg	8000	4200	U	ug/kg	4200
N-Nitrosomethylethylamine	890	U	ug/kg	890	1700	U	ug/kg	1700	1600	U	ug/kg	1600	850	U	ug/kg	850
N-Nitrosomorpholine	890	U	ug/kg	890	1700	U	ug/kg	1700	1600	U	ug/kg	1600	850	U	ug/kg	850
o-Toluidine	890	U	ug/kg	890	1700	U	ug/kg	1700	1600	U	ug/kg	1600	850	U	ug/kg	850
Hexachloropropene	4300	U	ug/kg	4300	8200	U	ug/kg	8200	8000	U	ug/kg	8000	4200	U	ug/kg	4200
p-Phenylenediamine	43000	U	ug/kg	43000	82000	U	ug/kg	82000	80000	U	ug/kg	80000	42000	U	ug/kg	42000
Safrole	4300	U	ug/kg	4300	8200	U	ug/kg	8200	8000	U	ug/kg	8000	4200	U	ug/kg	4200
Isosafrole	4300	U	ug/kg	4300	8200	U	ug/kg	8200	8000	U	ug/kg	8000	4200	U	ug/kg	4200
1,4-Naphthoquinone	89000	U	ug/kg	89000	170000	U	ug/kg	170000	160000	U	ug/kg	160000	85000	U	ug/kg	85000
1,3-Dinitrobenzene	890	U	ug/kg	890	1700	U	ug/kg	1700	1600	U	ug/kg	1600	850	UJ	ug/kg	850
5-Nitro-o-toluidine	890	U	ug/kg	890	1700	U	ug/kg	1700	1600	U	ug/kg	1600	850	U	ug/kg	850
1,3,5-Trinitrobenzene	890	U	ug/kg	890	1700	U	ug/kg	1700	1600	U	ug/kg	1600	850	U	ug/kg	850
4-Nitroquinoline-1-oxide	43000	UJ	ug/kg		82000	UJ	ug/kg		80000	UJ	ug/kg		42000	U	ug/kg	42000
Methapyrilene	4300	U	ug/kg	4300	8200	UJ	ug/kg		8000	U	ug/kg	8000	4200	U	ug/kg	4200
3,3-Dimethylbenzidine	890	U	ug/kg	890	1700	U	ug/kg	1700	1600	U	ug/kg	1600	850	U	ug/kg	850
Hexachlorophene	43000	UJ	ug/kg		82000	UJ	ug/kg		80000	UJ	ug/kg		42000	U	ug/kg	42000
Aramite	4300	U	ug/kg	4300	8200	U	ug/kg	8200	8000	U	ug/kg	8000	4200	U	ug/kg	4200
2-Chlorophenol	890	U	ug/kg	890	1700	U	ug/kg	1700	1600	U	ug/kg	1600	850	U	ug/kg	850
3- & 4-Methylphenol (2)	890	U	ug/kg	890	1700	U	ug/kg	1700	1600	U	ug/kg	1600	850	U	ug/kg	850
Hexachloropropene	4300	U	ug/kg	4300	8200	U	ug/kg	8200	8000	U	ug/kg	8000	4200	U	ug/kg	4200
2-Acetylaminofluorene	890	U	ug/kg	890	1700	U	ug/kg	1700	1600	U	ug/kg	1600	850	U	ug/kg	850
PESTICIDES/PCBs ug/kg																
alpha-BHC	.91	U	ug/kg	.91	1.7	U	ug/kg	1.7	1.7	U	ug/kg	1.7	8.6	U	ug/kg	8.6
beta-BHC	1.8	U	ug/kg	1.8	3.4	U	ug/kg	3.4	3.3	U	ug/kg	3.3	17	U	ug/kg	17
delta-BHC	.91	U	ug/kg	.91	1.7	U	ug/kg	1.7	1.7	U	ug/kg	1.7	8.6	U	ug/kg	8.6
gamma-BHC (Lindane)	.91	U	ug/kg	.91	1.7	U	ug/kg	1.7	1.7	U	ug/kg	1.7	8.6	U	ug/kg	8.6
Heptachlor	.91	U	ug/kg	.91	1.7	U	ug/kg	1.7	1.7	U	ug/kg	1.7	8.6	U	ug/kg	8.6
Aldrin	.91	U	ug/kg	.91	1.7	U	ug/kg	1.7	1.7	U	ug/kg	1.7	8.6	U	ug/kg	8.6
Heptachlor epoxide	.91	U	ug/kg	.91	1.7	U	ug/kg	1.7	1.7	U	ug/kg	1.7	8.6	U	ug/kg	8.6
Endosulfan I	.91	U	ug/kg	.91	1.7	U	ug/kg	1.7	1.7	U	ug/kg	1.7	8.6	U	ug/kg	8.6
Dieldrin	.91	U	ug/kg	.91	1.7	U	ug/kg	1.7	1.7	U	ug/kg	1.7	8.6	U	ug/kg	8.6
4,4-DDE	1.8		ug/kg		1.7	U	ug/kg	1.7	1.7	U	ug/kg	1.7	8.6	U	ug/kg	8.6
Endrin	1.8	U	ug/kg	1.8	3.4	U	ug/kg	3.4	3.3	U	ug/kg	3.3	17	U	ug/kg	17
Endosulfan II	1.8	U	ug/kg	1.8	3.4	U	ug/kg	3.4	3.3	U	ug/kg	3.3	17	U	ug/kg	17
4,4-DDD	1.4	J	ug/kg		3.4	U	ug/kg	3.4	3.3	U	ug/kg	3.3	17	U	ug/kg	17
Endosulfan sulfate	1.8	U	ug/kg	1.8	3.4	U	ug/kg	3.4	3.3	U	ug/kg	3.3	17	U	ug/kg	17
4,4-DDT	1.8	U	ug/kg	1.8	3.4	U	ug/kg	3.4	3.3	U	ug/kg	3.3	17	U	ug/kg	17
Methoxychlor	3.7	U	ug/kg	3.7	7	U	ug/kg	7	6.8	U	ug/kg	6.8	35	U	ug/kg	35
Endrin aldehyde	1.8	U	ug/kg	1.8	3.4	U	ug/kg	3.4	3.3	U	ug/kg	3.3	17	U	ug/kg	17
Endrin ketone	1.8	U	ug/kg	1.8	3.4	U	ug/kg	3.4	3.3	U	ug/kg	3.3	17	U	ug/kg	17
Chlordane	9.1	U	ug/kg	9.1	17	U	ug/kg	17	17	U	ug/kg	17	86	U	ug/kg	86
Chlorobenzilate	27	U	ug/kg	27	52	U	ug/kg	52	51	U	ug/kg	51	260	U	ug/kg	260
Diallate	54	U	ug/kg	54	100	U	ug/kg	100	100	U	ug/kg	100	510	U	ug/kg	510
Toxaphene	45	U	ug/kg	45	86	U	ug/kg	86	83	U	ug/kg	83	420	U	ug/kg	420
Isodrin	.91	U	ug/kg	.91	1.7	U	ug/kg	1.7	1.7	U	ug/kg	1.7	8.6	U	ug/kg	8.6
Kepone	54	UJ	ug/kg		100	UJ	ug/kg		100	UJ	ug/kg		100	UJ	ug/kg	100
Aroclor-1016	45	U	ug/kg	45	86	U	ug/kg	86	83	U	ug/kg	83	420	U	ug/kg	420
Aroclor-1221	91	U	ug/kg	91	170	U	ug/kg	170	170	U	ug/kg	170	860	U	ug/kg	860

US Naval Station, Mayport, Florida
Analytical Results for Sediment Samples Collected at SWMU 49

Lab Sample Number:		R8730003				R8730001				R8730002				MB944002			
Site		GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator		49SD016				49SD017				49SD017D				49D01801			
Collect Date:		12-SEP-94				12-SEP-94				12-SEP-94				25-SEP-96			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Aroclor-1232		91	U	ug/kg	91	170	U	ug/kg	170	170	U	ug/kg	170	860	U	ug/kg	860
Aroclor-1242		45	U	ug/kg	45	86	U	ug/kg	86	83	U	ug/kg	83	420	U	ug/kg	420
Aroclor-1248		45	U	ug/kg	45	86	U	ug/kg	86	83	U	ug/kg	83	420	U	ug/kg	420
Aroclor-1254		22	U	ug/kg	22	42	U	ug/kg	42	40	U	ug/kg	40	220	U	ug/kg	220
Aroclor-1260		22	U	ug/kg	22	42	U	ug/kg	42	40	U	ug/kg	40	220	U	ug/kg	220
INORGANICS (SOIL)	mg/kg																
Antimony		1.4	U	mg/kg	1.4	2.6	U	mg/kg	2.6	2.5	U	mg/kg	2.5	92.8		mg/kg	.86
Arsenic		14.4		mg/kg		5.3		mg/kg		4.2	J	mg/kg		24.5		mg/kg	3.8
Barium		5.9	J	mg/kg		17	J	mg/kg		14.3	J	mg/kg		9.4	J	mg/kg	.089
Beryllium		.4	J	mg/kg		.74	J	mg/kg		.89	J	mg/kg		.03	U	mg/kg	.03
Cadmium		.33	J	mg/kg		.52	U	mg/kg	.52	.51	U	mg/kg	.51	.84	U	mg/kg	.84
Chromium		8.6		mg/kg		31.5		mg/kg		33.3		mg/kg		40.5	J	mg/kg	.56
Cobalt		.94	J	mg/kg		1.6	U	mg/kg	1.6	1.6	U	mg/kg	1.6	2.4	J	mg/kg	.081
Copper		1.9	UJ	mg/kg		2.8	UJ	mg/kg		37.7		mg/kg		.43	UJ	mg/kg	.43
Cyanide		.18	U	mg/kg	.18	.42	J	mg/kg		.34	U	mg/kg	.34	.22	UJ	mg/kg	.22
Lead		2.2		mg/kg		10.9		mg/kg		10.3		mg/kg		80.9		mg/kg	4
Mercury		.04	U	mg/kg	.04	.07	J	mg/kg		.07	J	mg/kg		.06	J	mg/kg	.015
Nickel		2.86	UJ	mg/kg		6	UJ	mg/kg		73.2		mg/kg		46.6		mg/kg	.32
Selenium		.16	J	mg/kg		.55	J	mg/kg		.64	J	mg/kg		7.5	U	mg/kg	7.5
Silver		.57	U	mg/kg	.57	1.1	U	mg/kg	1.1	1.1	U	mg/kg	1.1	.56	U	mg/kg	.56
Thallium		.32	J	mg/kg		.31	J	mg/kg		.3	U	mg/kg	.3	.49	UJ	mg/kg	.49
Tin		2.2	U	mg/kg	2.2	6.8	J	mg/kg		4	U	mg/kg	4	89.8		mg/kg	1.7
Vanadium		15.5		mg/kg		38.3		mg/kg		40.3		mg/kg		.15	U	mg/kg	.15
Zinc		6.7		mg/kg		15.9		mg/kg		14.7		mg/kg		38.7		mg/kg	.24

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.

US Naval Station, Mayport, Florida
Analytical Results for Sediment Samples Collected at SWMU 49

Lab Sample Number:		MB944003			MB944004			MB944006		
Site		GROUPI&II			GROUPI&II			GROUPI&II		
Locator		49D01901			49D02001			49D02101		
Collect Date:		25-SEP-96			25-SEP-96			26-SEP-96		
		VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
VOLATILES	ug/kg									
Chloromethane		28 U	ug/kg	28	29 U	ug/kg	29	22 U	ug/kg	22
Bromomethane		28 U	ug/kg	28	29 U	ug/kg	29	22 U	ug/kg	22
Vinyl chloride		28 U	ug/kg	28	29 U	ug/kg	29	22 U	ug/kg	22
Chloroethane		28 U	ug/kg	28	29 U	ug/kg	29	22 U	ug/kg	22
Methylene chloride		5 J	ug/kg	14	15 U	ug/kg	15	11 U	ug/kg	11
Acetone		30 U	ug/kg	30	53 U	ug/kg	53	50 U	ug/kg	50
Carbon disulfide		4 J	ug/kg	14	4 J	ug/kg	15	6 J	ug/kg	11
1,1-Dichloroethane		14 U	ug/kg	14	15 U	ug/kg	15	11 U	ug/kg	11
1,1-Dichloroethene		14 U	ug/kg	14	15 U	ug/kg	15	11 U	ug/kg	11
1,2-Dichloroethene (total)		14 U	ug/kg	14	15 U	ug/kg	15	11 U	ug/kg	11
Chloroform		14 U	ug/kg	14	15 U	ug/kg	15	11 U	ug/kg	11
1,2-Dichloroethane		14 U	ug/kg	14	15 U	ug/kg	15	11 U	ug/kg	11
2-Butanone		28 U	ug/kg	28	29 U	ug/kg	29	22 U	ug/kg	22
1,1,1-Trichloroethane		14 U	ug/kg	14	15 U	ug/kg	15	11 U	ug/kg	11
Carbon tetrachloride		14 U	ug/kg	14	15 U	ug/kg	15	11 U	ug/kg	11
Bromodichloromethane		14 U	ug/kg	14	15 U	ug/kg	15	11 U	ug/kg	11
1,2-Dichloropropane		14 U	ug/kg	14	15 U	ug/kg	15	11 U	ug/kg	11
cis-1,3-Dichloropropene		14 U	ug/kg	14	15 U	ug/kg	15	11 U	ug/kg	11
Trichloroethene		14 U	ug/kg	14	15 U	ug/kg	15	11 U	ug/kg	11
Dibromochloromethane		14 U	ug/kg	14	15 U	ug/kg	15	11 U	ug/kg	11
1,1,2-Trichloroethane		14 U	ug/kg	14	15 U	ug/kg	15	11 U	ug/kg	11
Benzene		14 U	ug/kg	14	15 U	ug/kg	15	11 U	ug/kg	11
trans-1,3-Dichloropropene		14 U	ug/kg	14	15 U	ug/kg	15	11 U	ug/kg	11
Bromoform		14 U	ug/kg	14	15 U	ug/kg	15	11 U	ug/kg	11
4-Methyl-2-pentanone		28 U	ug/kg	28	29 U	ug/kg	29	22 U	ug/kg	22
2-Hexanone		28 U	ug/kg	28	29 U	ug/kg	29	22 U	ug/kg	22
Tetrachloroethene		14 U	ug/kg	14	15 U	ug/kg	15	11 U	ug/kg	11
1,1,2,2-Tetrachloroethane		14 U	ug/kg	14	15 U	ug/kg	15	11 U	ug/kg	11
Toluene		14 U	ug/kg	14	3 J	ug/kg	15	11 U	ug/kg	11
Chlorobenzene		14 U	ug/kg	14	15 U	ug/kg	15	11 U	ug/kg	11
Ethylbenzene		14 U	ug/kg	14	15 U	ug/kg	15	11 U	ug/kg	11
Styrene		14 U	ug/kg	14	15 U	ug/kg	15	11 U	ug/kg	11
Xylenes (total)		14 U	ug/kg	14	15 U	ug/kg	15	11 U	ug/kg	11
Dichlorodifluoromethane		28 U	ug/kg	28	29 U	ug/kg	29	22 U	ug/kg	22
Trichlorofluoromethane		14 U	ug/kg	14	15 U	ug/kg	15	11 U	ug/kg	11
1,3-Dichlorobenzene		14 U	ug/kg	14	15 U	ug/kg	15	11 U	ug/kg	11
Acrolein		280 U	ug/kg	280	290 U	ug/kg	290	220 U	ug/kg	220
Iodomethane		28 U	ug/kg	28	29 U	ug/kg	29	22 U	ug/kg	22
1,4-Dichlorobenzene		14 U	ug/kg	14	15 U	ug/kg	15	11 U	ug/kg	11
Acrylonitrile		280 U	ug/kg	280	290 U	ug/kg	290	220 U	ug/kg	220

US Naval Station, Mayport, Florida
Analytical Results for Sediment Samples Collected at SWMU 49

Lab Sample Number:		MB944003				MB944004				MB944006			
Site		GROUPI&II				GROUPI&II				GROUPI&II			
Locator		49D01901				49D02001				49D02101			
Collect Date:		25-SEP-96				25-SEP-96				26-SEP-96			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Dibromomethane		14	U	ug/kg	14	15	U	ug/kg	15	11	U	ug/kg	11
1,2-Dichlorobenzene		14	U	ug/kg	14	15	U	ug/kg	15	11	U	ug/kg	11
2-Chloroethylvinyl ether		28	U	ug/kg	28	29	U	ug/kg	29	22	U	ug/kg	22
Ethyl methacrylate		14	U	ug/kg	14	15	U	ug/kg	15	11	U	ug/kg	11
1,2,3-Trichloropropane		14	U	ug/kg	14	15	U	ug/kg	15	11	U	ug/kg	11
trans-1,4-Dichloro-2-butene		14	U	ug/kg	14	15	U	ug/kg	15	11	U	ug/kg	11
Isobutyl alcohol		570	U	ug/kg	570	590	U	ug/kg	590	440	U	ug/kg	440
1,1,1,2-Tetrachloroethane		14	U	ug/kg	14	15	U	ug/kg	15	11	U	ug/kg	11
1,2-Dibromo-3-chloropropane		28	U	ug/kg	28	29	U	ug/kg	29	22	U	ug/kg	22
Ethylene dibromide		14	U	ug/kg	14	15	U	ug/kg	15	11	U	ug/kg	11
1,4-Dioxane		570	R	ug/kg	570	590	R	ug/kg	590	440	R	ug/kg	440
3-Chloropropene		14	U	ug/kg	14	15	U	ug/kg	15	11	U	ug/kg	11
Acetonitrile		280	U	ug/kg	280	290	U	ug/kg	290	220	U	ug/kg	220
Chloroprene		570	U	ug/kg	570	590	U	ug/kg	590	440	U	ug/kg	440
Methacrylonitrile		14	U	ug/kg	14	15	U	ug/kg	15	11	U	ug/kg	11
Methyl methacrylate		28	U	ug/kg	28	29	U	ug/kg	29	22	U	ug/kg	22
Pentachloroethane		28	U	ug/kg	28	29	U	ug/kg	29	22	U	ug/kg	22
Propionitrile		280	U	ug/kg	280	290	U	ug/kg	290	220	U	ug/kg	220
Vinyl acetate		28	U	ug/kg	28	29	U	ug/kg	29	22	U	ug/kg	22
SEMIVOLATILES	ug/kg												
N-Nitrosodimethylamine		950	U	ug/kg	950	980	U	ug/kg	980	740	U	ug/kg	740
Phenol		950	U	ug/kg	950	980	U	ug/kg	980	740	U	ug/kg	740
Aniline		950	U	ug/kg	950	980	U	ug/kg	980	740	U	ug/kg	740
bis(2-Chloroethyl) ether		950	U	ug/kg	950	980	U	ug/kg	980	740	U	ug/kg	740
Benzyl Alcohol		950	U	ug/kg	950	980	U	ug/kg	980	740	U	ug/kg	740
2-Methylphenol		950	U	ug/kg	950	980	U	ug/kg	980	740	U	ug/kg	740
bis(2-Chloroisopropyl) ether		950	U	ug/kg	950	980	U	ug/kg	980	740	U	ug/kg	740
N-Nitroso-di-n-propylamine		950	U	ug/kg	950	980	U	ug/kg	980	740	U	ug/kg	740
Hexachloroethane		950	U	ug/kg	950	980	U	ug/kg	980	740	U	ug/kg	740
Nitrobenzene		950	U	ug/kg	950	980	U	ug/kg	980	740	U	ug/kg	740
Isophorone		950	U	ug/kg	950	980	U	ug/kg	980	740	U	ug/kg	740
2-Nitrophenol		950	U	ug/kg	950	980	U	ug/kg	980	740	U	ug/kg	740
2,4-Dimethylphenol		950	U	ug/kg	950	980	U	ug/kg	980	740	U	ug/kg	740
Benzoic acid		4700	U	ug/kg	4700	4800	U	ug/kg	4800	3700	U	ug/kg	3700
bis(2-Chloroethoxy) methane		950	U	ug/kg	950	980	U	ug/kg	980	740	U	ug/kg	740
2,4-Dichlorophenol		950	U	ug/kg	950	980	U	ug/kg	980	740	U	ug/kg	740
1,2,4-Trichlorobenzene		950	U	ug/kg	950	980	U	ug/kg	980	740	U	ug/kg	740
Naphthalene		950	U	ug/kg	950	980	U	ug/kg	980	740	U	ug/kg	740
4-Chloroaniline		950	U	ug/kg	950	980	U	ug/kg	980	740	U	ug/kg	740
Hexachlorobutadiene		950	U	ug/kg	950	980	U	ug/kg	980	740	U	ug/kg	740
4-Chloro-3-methylphenol		950	U	ug/kg	950	980	U	ug/kg	980	740	U	ug/kg	740
2-Methylnaphthalene		950	U	ug/kg	950	980	U	ug/kg	980	740	U	ug/kg	740
Hexachlorocyclopentadiene		950	U	ug/kg	950	980	U	ug/kg	980	740	U	ug/kg	740
2,4,6-Trichlorophenol		950	U	ug/kg	950	980	U	ug/kg	980	740	U	ug/kg	740
Dimethylphthalate		950	U	ug/kg	950	980	U	ug/kg	980	740	U	ug/kg	740
2,4,5-Trichlorophenol		4700	U	ug/kg	4700	4800	U	ug/kg	4800	3700	U	ug/kg	3700
2-Chloronaphthalene		950	U	ug/kg	950	980	U	ug/kg	980	740	U	ug/kg	740
2-Nitroaniline		4700	U	ug/kg	4700	4800	U	ug/kg	4800	3700	U	ug/kg	3700
Acenaphthylene		950	U	ug/kg	950	980	U	ug/kg	980	740	U	ug/kg	740
2,6-Dinitrotoluene		950	U	ug/kg	950	980	U	ug/kg	980	740	U	ug/kg	740
3-Nitroaniline		4700	U	ug/kg	4700	4800	U	ug/kg	4800	3700	U	ug/kg	3700

US Naval Station, Mayport, Florida
Analytical Results for Sediment Samples Collected at SWMU 49

Lab Sample Number:	MB944003				MB944004				MB944006			
Site	GROUPI&II				GROUPI&II				GROUPI&II			
Locator	49D01901				49D02001				49D02101			
Collect Date:	25-SEP-96				25-SEP-96				26-SEP-96			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Acenaphthene	950	U	ug/kg	950	980	U	ug/kg	980	740	U	ug/kg	740
2,4-Dinitrophenol	4700	U	ug/kg	4700	4800	U	ug/kg	4800	3700	U	ug/kg	3700
4-Nitrophenol	4700	U	ug/kg	4700	4800	U	ug/kg	4800	3700	U	ug/kg	3700
Dibenzofuran	950	U	ug/kg	950	980	U	ug/kg	980	740	U	ug/kg	740
2,4-Dinitrotoluene	950	U	ug/kg	950	980	U	ug/kg	980	740	U	ug/kg	740
Diethylphthalate	950	U	ug/kg	950	980	U	ug/kg	980	740	U	ug/kg	740
4-Chlorophenyl-phenylether	950	U	ug/kg	950	980	U	ug/kg	980	740	U	ug/kg	740
Fluorene	950	U	ug/kg	950	980	U	ug/kg	980	740	U	ug/kg	740
4-Nitroaniline	4700	U	ug/kg	4700	4800	U	ug/kg	4800	3700	U	ug/kg	3700
4,6-Dinitro-2-methylphenol	4700	U	ug/kg	4700	4800	U	ug/kg	4800	3700	U	ug/kg	3700
N-Nitrosodiphenylamine	950	U	ug/kg	950	980	U	ug/kg	980	740	U	ug/kg	740
1,2-Diphenylhydrazine	950	U	ug/kg	950	980	U	ug/kg	980	740	U	ug/kg	740
4-Bromophenyl-phenylether	950	U	ug/kg	950	980	U	ug/kg	980	740	U	ug/kg	740
Hexachlorobenzene	950	U	ug/kg	950	980	U	ug/kg	980	740	U	ug/kg	740
Pentachlorophenol	4700	U	ug/kg	4700	4800	U	ug/kg	4800	3700	U	ug/kg	3700
Phenanthrene	950	U	ug/kg	950	980	U	ug/kg	980	740	U	ug/kg	740
Anthracene	950	U	ug/kg	950	980	U	ug/kg	980	740	U	ug/kg	740
Di-n-Butylphthalate	950	U	ug/kg	950	980	U	ug/kg	980	740	U	ug/kg	740
Fluoranthene	950	U	ug/kg	950	980	U	ug/kg	980	190	J	ug/kg	740
Pyrene	950	U	ug/kg	950	980	U	ug/kg	980	240	J	ug/kg	740
Butylbenzylphthalate	950	U	ug/kg	950	980	U	ug/kg	980	1000		ug/kg	740
3,3-Dichlorobenzidine	1900	U	ug/kg	1900	2000	U	ug/kg	2000	1500	U	ug/kg	1500
Benzo (a) anthracene	950	U	ug/kg	950	980	U	ug/kg	980	92	J	ug/kg	740
Chrysene	950	U	ug/kg	950	980	U	ug/kg	980	210	J	ug/kg	740
bis(2-Ethylhexyl) phthalate	950	U	ug/kg	950	210	J	ug/kg	980	4400		ug/kg	740
Di-n-octylphthalate	950	U	ug/kg	950	980	U	ug/kg	980	85	J	ug/kg	740
Benzo (b) fluoranthene	950	U	ug/kg	950	980	U	ug/kg	980	180	J	ug/kg	740
Benzo (k) fluoranthene	950	U	ug/kg	950	980	U	ug/kg	980	140	J	ug/kg	740
Benzo (a) pyrene	950	U	ug/kg	950	980	U	ug/kg	980	120	J	ug/kg	740
Indeno (1,2,3-cd) pyrene	950	U	ug/kg	950	980	U	ug/kg	980	92	J	ug/kg	740
Dibenzo (a,h) anthracene	950	U	ug/kg	950	980	U	ug/kg	980	740	U	ug/kg	740
Benzo (g,h,i) perylene	950	U	ug/kg	950	980	U	ug/kg	980	90	J	ug/kg	740
2-Picoline	4700	U	ug/kg	4700	4800	U	ug/kg	4800	3700	U	ug/kg	3700
Methyl methanesulfonate	950	U	ug/kg	950	980	U	ug/kg	980	740	U	ug/kg	740
Ethyl methanesulfonate	950	U	ug/kg	950	980	U	ug/kg	980	740	U	ug/kg	740
Acetophenone	950	U	ug/kg	950	980	U	ug/kg	980	740	U	ug/kg	740
N-Nitrosopiperidine	950	UJ	ug/kg	950	980	UJ	ug/kg	980	740	UJ	ug/kg	740
Phenyl-tert-butylamine	4700	U	ug/kg	4700	4800	U	ug/kg	4800	3700	U	ug/kg	3700
2,6-Dichlorophenol	950	U	ug/kg	950	980	U	ug/kg	980	740	U	ug/kg	740
N-Nitroso-di-n-butylamine	950	U	ug/kg	950	980	U	ug/kg	980	740	U	ug/kg	740
N-Nitrosodiethylamine	950	U	ug/kg	950	980	U	ug/kg	980	740	U	ug/kg	740
N-Nitrosopyrrolidine	950	U	ug/kg	950	980	U	ug/kg	980	740	U	ug/kg	740
Benzidine	4700	U	ug/kg	4700	4800	U	ug/kg	4800	3700	U	ug/kg	3700
1,2,4,5-Tetrachlorobenzene	4700	U	ug/kg	4700	4800	U	ug/kg	4800	3700	U	ug/kg	3700
Pentachlorobenzene	4700	U	ug/kg	4700	4800	U	ug/kg	4800	3700	U	ug/kg	3700
1-Naphthylamine	4700	U	ug/kg	4700	4800	U	ug/kg	4800	3700	U	ug/kg	3700
2-Naphthylamine	4700	U	ug/kg	4700	4800	U	ug/kg	4800	3700	U	ug/kg	3700
2,3,4,6-Tetrachlorophenol	950	U	ug/kg	950	980	U	ug/kg	980	740	U	ug/kg	740
Phenacetin	950	U	ug/kg	950	980	U	ug/kg	980	740	U	ug/kg	740
4-Aminobiphenyl	4700	U	ug/kg	4700	4800	U	ug/kg	4800	3700	U	ug/kg	3700
Pentachloronitrobenzene	4700	U	ug/kg	4700	4800	U	ug/kg	4800	3700	U	ug/kg	3700
Pronamide	950	U	ug/kg	950	980	U	ug/kg	980	740	U	ug/kg	740

US Naval Station, Mayport, Florida
Analytical Results for Sediment Samples Collected at SWMU 49

Lab Sample Number:	MB944003				MB944004				MB944006			
Site	GROUPI&II				GROUPI&II				GROUPI&II			
Locator	49D01901				49D02001				49D02101			
Collect Date:	25-SEP-96				25-SEP-96				26-SEP-96			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
p-Dimethylaminoazobenzene	950	U	ug/kg	950	980	U	ug/kg	980	740	U	ug/kg	740
7,12-Dimethylbenz(A)Anthracene	950	U	ug/kg	950	980	U	ug/kg	980	740	U	ug/kg	740
3-Methylcholanthrene	950	U	ug/kg	950	980	U	ug/kg	980	740	U	ug/kg	740
Pyridine	4700	U	ug/kg	4700	4800	U	ug/kg	4800	3700	U	ug/kg	3700
N-Nitrosomethylethylamine	950	U	ug/kg	950	980	U	ug/kg	980	740	U	ug/kg	740
N-Nitrosomorpholine	950	U	ug/kg	950	980	U	ug/kg	980	740	U	ug/kg	740
o-Toluidine	950	U	ug/kg	950	980	U	ug/kg	980	740	U	ug/kg	740
Hexachloropropene	4700	U	ug/kg	4700	4800	U	ug/kg	4800	3700	U	ug/kg	3700
p-Phenylenediamine	47000	U	ug/kg	47000	48000	U	ug/kg	48000	37000	U	ug/kg	37000
Safrole	4700	U	ug/kg	4700	4800	U	ug/kg	4800	3700	U	ug/kg	3700
Isosafrole	4700	U	ug/kg	4700	4800	U	ug/kg	4800	3700	U	ug/kg	3700
1,4-Naphthoquinone	95000	U	ug/kg	95000	98000	U	ug/kg	98000	74000	U	ug/kg	74000
1,3-Dinitrobenzene	950	UJ	ug/kg	950	980	UJ	ug/kg	980	740	UJ	ug/kg	740
5-Nitro-o-toluidine	950	U	ug/kg	950	980	U	ug/kg	980	740	U	ug/kg	740
1,3,5-Trinitrobenzene	950	U	ug/kg	950	980	U	ug/kg	980	740	U	ug/kg	740
4-Nitroquinoline-1-oxide	47000	U	ug/kg	47000	48000	U	ug/kg	48000	37000	U	ug/kg	37000
Methapyrilene	4700	U	ug/kg	4700	4800	U	ug/kg	4800	3700	U	ug/kg	3700
3,3-Dimethylbenzidine	950	U	ug/kg	950	980	U	ug/kg	980	740	U	ug/kg	740
Hexachlorophene	47000	U	ug/kg	47000	48000	U	ug/kg	48000	37000	U	ug/kg	37000
Aramite	4700	U	ug/kg	4700	4800	U	ug/kg	4800	3700	U	ug/kg	3700
2-Chlorophenol	950	U	ug/kg	950	980	U	ug/kg	980	740	U	ug/kg	740
3- & 4-Methylphenol (2)	950	U	ug/kg	950	980	U	ug/kg	980	740	U	ug/kg	740
Hexachloropropene	4700	U	ug/kg	4700	4800	U	ug/kg	4800	3700	U	ug/kg	3700
2-Acetylaminofluorene	950	U	ug/kg	950	980	U	ug/kg	980	740	U	ug/kg	740
PESTICIDES/PCBs ug/kg												
alpha-BHC	9.6	U	ug/kg	9.6	9.9	U	ug/kg	9.9	7.3	U	ug/kg	7.3
beta-BHC	19	U	ug/kg	19	19	U	ug/kg	19	14	U	ug/kg	14
delta-BHC	9.6	U	ug/kg	9.6	9.9	U	ug/kg	9.9	7.3	U	ug/kg	7.3
gamma-BHC (Lindane)	9.6	U	ug/kg	9.6	9.9	U	ug/kg	9.9	14	UJ	ug/kg	14
Heptachlor	9.6	U	ug/kg	9.6	9.9	U	ug/kg	9.9	7.3	U	ug/kg	7.3
Aldrin	16	UJ	ug/kg	16	9.9	U	ug/kg	9.9	7.3	U	ug/kg	7.3
Heptachlor epoxide	9.6	U	ug/kg	9.6	9.9	U	ug/kg	9.9	7.3	U	ug/kg	7.3
Endosulfan I	9.6	U	ug/kg	9.6	9.9	U	ug/kg	9.9	7.3	U	ug/kg	7.3
Dieldrin	9.6	U	ug/kg	9.6	9.9	U	ug/kg	9.9	7.3	U	ug/kg	7.3
4,4-DDE	9.6	U	ug/kg	9.6	9.9	U	ug/kg	9.9	7.3	U	ug/kg	7.3
Endrin	19	U	ug/kg	19	19	U	ug/kg	19	14	U	ug/kg	14
Endosulfan II	19	U	ug/kg	19	19	U	ug/kg	19	14	U	ug/kg	14
4,4-DDD	19	U	ug/kg	19	19	U	ug/kg	19	14	U	ug/kg	14
Endosulfan sulfate	19	U	ug/kg	19	19	U	ug/kg	19	14	U	ug/kg	14
4,4-DDT	19	U	ug/kg	19	19	U	ug/kg	19	14	U	ug/kg	14
Methoxychlor	39	U	ug/kg	39	40	U	ug/kg	40	30	U	ug/kg	30
Endrin aldehyde	19	U	ug/kg	19	19	U	ug/kg	19	14	U	ug/kg	14
Endrin ketone	19	U	ug/kg	19	19	U	ug/kg	19	14	U	ug/kg	14
Chlordane	96	U	ug/kg	96	99	U	ug/kg	99	150	UJ	ug/kg	150
Chlorobenzilate	290	U	ug/kg	290	290	U	ug/kg	290	220	U	ug/kg	220
Diallate	570	U	ug/kg	570	590	U	ug/kg	590	430	U	ug/kg	430
Toxaphene	470	U	ug/kg	470	490	U	ug/kg	490	360	U	ug/kg	360
Isodrin	9.6	U	ug/kg	9.6	9.9	U	ug/kg	9.9	7.3	U	ug/kg	7.3
Kepone	110	UJ	ug/kg	110	120	UJ	ug/kg	120	90	UJ	ug/kg	90
Aroclor-1016	470	U	ug/kg	470	490	U	ug/kg	490	360	U	ug/kg	360
Aroclor-1221	960	U	ug/kg	960	990	U	ug/kg	990	730	U	ug/kg	730

US Naval Station, Mayport, Florida
Analytical Results for Sediment Samples Collected at SWMU 49

Lab Sample Number:		MB944003				MB944004				MB944006			
Site		GROUPI&II				GROUPI&II				GROUPI&II			
Locator		49D01901				49D02001				49D02101			
Collect Date:		25-SEP-96				25-SEP-96				26-SEP-96			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Aroclor-1232		960	U	ug/kg	960	990	U	ug/kg	990	730	U	ug/kg	730
Aroclor-1242		470	U	ug/kg	470	490	U	ug/kg	490	360	U	ug/kg	360
Aroclor-1248		470	U	ug/kg	470	490	U	ug/kg	490	360	U	ug/kg	360
Aroclor-1254		240	U	ug/kg	240	250	U	ug/kg	250	180	U	ug/kg	180
Aroclor-1260		240	U	ug/kg	240	250	U	ug/kg	250	180	U	ug/kg	180
INORGANICS (SOIL)	mg/kg												
Antimony		1.6		mg/kg	.95	1.3	J	mg/kg	.99	.76	U	mg/kg	.76
Arsenic		4.2	U	mg/kg	4.2	11.5		mg/kg	4.3	3.3	U	mg/kg	3.3
Barium		12.4	J	mg/kg	.099	8.7	J	mg/kg	.1	8.5	J	mg/kg	.079
Beryllium		.6	J	mg/kg	.031	.73	J	mg/kg	.032	.29	J	mg/kg	.025
Cadmium		.93	U	mg/kg	.93	.96	U	mg/kg	.96	.74	U	mg/kg	.74
Chromium		21.3	J	mg/kg	.62	15.3	J	mg/kg	.64	11.7	J	mg/kg	.49
Cobalt		2.3	J	mg/kg	.09	2.7	J	mg/kg	.093	1.4	J	mg/kg	.072
Copper		4.8	J	mg/kg	.47	3.5	J	mg/kg	.49	35.4		mg/kg	.38
Cyanide		.25	UJ	mg/kg	.25	.26	UJ	mg/kg	.26	.2	UJ	mg/kg	.2
Lead		6.9		mg/kg	4.4	5.5		mg/kg	4.6	11.9		mg/kg	3.5
Mercury		.06	J	mg/kg	.018	.06	J	mg/kg	.017	.07	J	mg/kg	.013
Nickel		4.4	J	mg/kg	.35	5	J	mg/kg	.36	3.7	J	mg/kg	.28
Selenium		8.3	U	mg/kg	8.3	8.6	U	mg/kg	8.6	6.6	U	mg/kg	6.6
Silver		.97	J	mg/kg	.62	1.7	J	mg/kg	.64	.49	U	mg/kg	.49
Thallium		.55	UJ	mg/kg	.55	.57	UJ	mg/kg	.57	.44	UJ	mg/kg	.44
Tin		50.9		mg/kg	1.9	40.3		mg/kg	2	29.8		mg/kg	1.5
Vanadium		22.2		mg/kg	.17	20.9		mg/kg	.17	14		mg/kg	.13
Zinc		25.2		mg/kg	.26	18.2		mg/kg	.27	53.4		mg/kg	.21

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.

US Naval Station, Mayport, Florida
Analytical Results for Surface Water Samples Collected at SWMU 49

Lab Sample Number:		21528014				21528018				21528013				M7645002		
Site		GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II		
Locator		MPT49SW41				MPT49SW41D				MPT49SW51				49SW009		
Collect Date:		22-APR-92				22-APR-92				22-APR-92				02-AUG-94		
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
VOLATILES	ug/l																
Chloromethane		-		ug/l		-		ug/l		-		ug/l		10	U	ug/l	10
Bromomethane		-		ug/l		-		ug/l		-		ug/l		10	U	ug/l	10
Vinyl chloride		-		ug/l		-		ug/l		-		ug/l		10	U	ug/l	10
Chloroethane		-		ug/l		-		ug/l		-		ug/l		10	U	ug/l	10
Methylene chloride		-		ug/l		-		ug/l		-		ug/l		5	U	ug/l	5
Acetone		-		ug/l		-		ug/l		-		ug/l		10	U	ug/l	10
Carbon disulfide		-		ug/l		-		ug/l		-		ug/l		5	U	ug/l	5
1,1-Dichloroethane		-		ug/l		-		ug/l		-		ug/l		5	U	ug/l	5
1,1-Dichloroethene		-		ug/l		-		ug/l		-		ug/l		5	U	ug/l	5
1,2-Dichloroethene (total)		-		ug/l		-		ug/l		-		ug/l		5	U	ug/l	5
Chloroform		-		ug/l		-		ug/l		-		ug/l		5	U	ug/l	5
1,2-Dichloroethane		-		ug/l		-		ug/l		-		ug/l		5	U	ug/l	5
2-Butanone		-		ug/l		-		ug/l		-		ug/l		10	U	ug/l	10
1,1,1-Trichloroethane		-		ug/l		-		ug/l		-		ug/l		5	U	ug/l	5
Carbon tetrachloride		-		ug/l		-		ug/l		-		ug/l		5	U	ug/l	5
Bromodichloromethane		-		ug/l		-		ug/l		-		ug/l		5	U	ug/l	5
1,2-Dichloropropane		-		ug/l		-		ug/l		-		ug/l		5	U	ug/l	5
cis-1,3-Dichloropropene		-		ug/l		-		ug/l		-		ug/l		5	U	ug/l	5
Trichloroethene		-		ug/l		-		ug/l		-		ug/l		5	U	ug/l	5
Dibromochloromethane		-		ug/l		-		ug/l		-		ug/l		5	U	ug/l	5
1,1,2-Trichloroethane		-		ug/l		-		ug/l		-		ug/l		5	U	ug/l	5
Benzene		-		ug/l		-		ug/l		-		ug/l		5	U	ug/l	5
trans-1,3-Dichloropropene		-		ug/l		-		ug/l		-		ug/l		5	U	ug/l	5
Bromoform		-		ug/l		-		ug/l		-		ug/l		5	U	ug/l	5
4-Methyl-2-pentanone		-		ug/l		-		ug/l		-		ug/l		10	U	ug/l	10
2-Hexanone		-		ug/l		-		ug/l		-		ug/l		10	U	ug/l	10
Tetrachloroethene		-		ug/l		-		ug/l		-		ug/l		5	U	ug/l	5
1,1,2,2-Tetrachloroethane		-		ug/l		-		ug/l		-		ug/l		5	U	ug/l	5
Toluene		-		ug/l		-		ug/l		-		ug/l		5	U	ug/l	5
Chlorobenzene		-		ug/l		-		ug/l		-		ug/l		5	U	ug/l	5
Ethylbenzene		-		ug/l		-		ug/l		-		ug/l		5	U	ug/l	5
Styrene		-		ug/l		-		ug/l		-		ug/l		5	U	ug/l	5
Xylenes (total)		-		ug/l		-		ug/l		-		ug/l		5	U	ug/l	5
Dichlorodifluoromethane		-		ug/l		-		ug/l		-		ug/l		10	UJ	ug/l	
Trichlorofluoromethane		-		ug/l		-		ug/l		-		ug/l		5	U	ug/l	5
1,3-Dichlorobenzene		10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	5	U	ug/l	5
Acrolein		-		ug/l		-		ug/l		-		ug/l		100	U	ug/l	100
Iodomethane		-		ug/l		-		ug/l		-		ug/l		10	U	ug/l	10
1,4-Dichlorobenzene		10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Acrylonitrile		-		ug/l		-		ug/l		-		ug/l		100	U	ug/l	100
Dibromomethane		-		ug/l		-		ug/l		-		ug/l		5	U	ug/l	5
1,2-Dichlorobenzene		10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2-Chloroethylvinyl ether		-		ug/l		-		ug/l		-		ug/l		10	U	ug/l	10
Ethyl methacrylate		-		ug/l		-		ug/l		-		ug/l		5	U	ug/l	5
1,2,3-Trichloropropane		-		ug/l		-		ug/l		-		ug/l		5	U	ug/l	5
trans-1,4-Dichloro-2-butene		-		ug/l		-		ug/l		-		ug/l		5	U	ug/l	5
Isobutyl alcohol		-		ug/l		-		ug/l		-		ug/l		200	U	ug/l	200
1,1,1,2-Tetrachloroethane		-		ug/l		-		ug/l		-		ug/l		5	U	ug/l	5
1,2-Dibromo-3-chloropropane		-		ug/l		-		ug/l		-		ug/l		10	U	ug/l	10
Ethylene dibromide		-		ug/l		-		ug/l		-		ug/l		5	U	ug/l	5

US Naval Station, Mayport, Florida
Analytical Results for Surface Water Samples Collected at SWMU 49

Lab Sample Number:		21528014				21528018				21528013				M7645002			
Site		GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator		MPT49SW41				MPT49SW41D				MPT49SW51				49SW009			
Collect Date:		22-APR-92				22-APR-92				22-APR-92				02-AUG-94			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
1,4-Dioxane		-		ug/l		-		ug/l		-		ug/l		200	R	ug/l	
3-Chloropropene		-		ug/l		-		ug/l		-		ug/l		5	U	ug/l	5
Acetonitrile		-		ug/l		-		ug/l		-		ug/l		100	U	ug/l	100
Chloroprene		-		ug/l		-		ug/l		-		ug/l		200	U	ug/l	200
Methacrylonitrile		-		ug/l		-		ug/l		-		ug/l		5	U	ug/l	5
Methyl methacrylate		-		ug/l		-		ug/l		-		ug/l		10	U	ug/l	10
Pentachloroethane		-		ug/l		-		ug/l		-		ug/l		10	U	ug/l	10
Propionitrile		-		ug/l		-		ug/l		-		ug/l		100	U	ug/l	100
Vinyl acetate		-		ug/l		-		ug/l		-		ug/l		10	U	ug/l	10
SEMIVOLATILES	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
Benzyl Alcohol		10	U	ug/l	10	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	UJ	ug/l	10	10	UJ	ug/l	10	10	UJ	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	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50	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	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	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

US Naval Station, Mayport, Florida
Analytical Results for Surface Water Samples Collected at SWMU 49

Lab Sample Number:	21528014				21528018				21528013				M7645002			
Site	GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator	MPT49SW41				MPT49SW41D				MPT49SW51				49SW009			
Collect Date:	22-APR-92				22-APR-92				22-APR-92				02-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
N-Nitrosodiphenylamine	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
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
Dibenzo (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	50	UJ	ug/l	50	50	UJ	ug/l	50	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	UJ	ug/l	50	50	UJ	ug/l	50	50	UJ	ug/l	50	50	U	ug/l	50
2-Naphthylamine	50	UJ	ug/l	50	50	UJ	ug/l	50	50	UJ	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	R	ug/l	50	50	R	ug/l	50	50	R	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-Dimethylaminoazobenzene	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	50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50	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

US Naval Station, Mayport, Florida
Analytical Results for Surface Water Samples Collected at SWMU 49

Lab Sample Number:		21528014				21528018				21528013				M7645002			
Site		GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator		MPT49SW41				MPT49SW41D				MPT49SW51				49SW009			
Collect Date:		22-APR-92				22-APR-92				22-APR-92				02-AUG-94			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Isosafrole		50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50
1,4-Naphthoquinone		50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50	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		10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	500	R	ug/l	
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		50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50	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)		-		ug/l		-		ug/l		-		ug/l		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
2-Acetylaminofluorene		10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
PESTICIDES/PCBs	ug/l																
alpha-BHC		.05	U	ug/l	.05	.05	R	ug/l	.05	.05	U	ug/l	.05	.02	U	ug/l	.02
beta-BHC		.05	U	ug/l	.05	.05	R	ug/l	.05	.05	U	ug/l	.05	.04	U	ug/l	.04
delta-BHC		.05	U	ug/l	.05	.05	R	ug/l	.05	.05	U	ug/l	.05	.02	U	ug/l	.02
gamma-BHC (Lindane)		.05	U	ug/l	.05	.05	R	ug/l	.05	.05	U	ug/l	.05	.02	U	ug/l	.02
Heptachlor		.05	U	ug/l	.05	.05	R	ug/l	.05	.05	U	ug/l	.05	.02	U	ug/l	.02
Aldrin		.05	U	ug/l	.05	.05	R	ug/l	.05	.05	U	ug/l	.05	.02	U	ug/l	.02
Heptachlor epoxide		.05	U	ug/l	.05	.05	R	ug/l	.05	.05	U	ug/l	.05	.02	U	ug/l	.02
Endosulfan I		.05	U	ug/l	.05	.05	R	ug/l	.05	.05	U	ug/l	.05	.02	U	ug/l	.02
Dieldrin		.1	U	ug/l	.1	.1	R	ug/l	.1	.1	U	ug/l	.1	.02	U	ug/l	.02
4,4-DDE		.1	U	ug/l	.1	.1	R	ug/l	.1	.1	U	ug/l	.1	.02	U	ug/l	.02
Endrin		.1	U	ug/l	.1	.1	R	ug/l	.1	.1	U	ug/l	.1	.04	U	ug/l	.04
Endosulfan II		.1	U	ug/l	.1	.1	R	ug/l	.1	.1	U	ug/l	.1	.04	U	ug/l	.04
4,4-DDD		.1	U	ug/l	.1	.1	R	ug/l	.1	.1	U	ug/l	.1	.04	U	ug/l	.04
Endosulfan sulfate		.1	U	ug/l	.1	.1	R	ug/l	.1	.1	U	ug/l	.1	.04	U	ug/l	.04
4,4-DDT		.1	U	ug/l	.1	.1	R	ug/l	.1	.1	U	ug/l	.1	.04	U	ug/l	.04
Methoxychlor		.5	U	ug/l	.5	.5	R	ug/l	.5	.5	U	ug/l	.5	.08	U	ug/l	.08
Endrin aldehyde		.1	U	ug/l	.1	.1	R	ug/l	.1	.1	U	ug/l	.1	.04	U	ug/l	.04
Endrin ketone		.1	U	ug/l	.1	.1	R	ug/l	.1	.1	U	ug/l	.1	.04	U	ug/l	.04
Chlordane		.5	U	ug/l	.5	.5	R	ug/l	.5	.5	U	ug/l	.5	.2	U	ug/l	.2
Chlorobenzilate		.5	U	ug/l	.5	.5	R	ug/l	.5	.5	U	ug/l	.5	.5	U	ug/l	.5
Diallate		1	U	ug/l	1	1	R	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Toxaphene		1	U	ug/l	1	1	R	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Isodrin		.02	U	ug/l	.02	.02	R	ug/l	.02	.02	U	ug/l	.02	.02	U	ug/l	.02
Kepone		1	U	ug/l	1	1	R	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Aroclor-1016		.5	U	ug/l	.5	.5	R	ug/l	.5	.5	U	ug/l	.5	1	U	ug/l	1
Aroclor-1221		.5	U	ug/l	.5	.5	R	ug/l	.5	.5	U	ug/l	.5	2	U	ug/l	2
Aroclor-1232		.5	U	ug/l	.5	.5	R	ug/l	.5	.5	U	ug/l	.5	2	U	ug/l	2
Aroclor-1242		.5	U	ug/l	.5	.5	R	ug/l	.5	.5	U	ug/l	.5	1	U	ug/l	1
Aroclor-1248		.5	U	ug/l	.5	.5	R	ug/l	.5	.5	U	ug/l	.5	1	U	ug/l	1
Aroclor-1254		1	U	ug/l	1	1	R	ug/l	1	1	U	ug/l	1	.5	U	ug/l	.5
Aroclor-1260		1	U	ug/l	1	1	R	ug/l	1	1	U	ug/l	1	.5	U	ug/l	.5
INORGANICS (WATER)	ug/l																
Antimony		10.9	U	ug/l	10.9	10.9	U	ug/l	10.9	14	J	ug/l	10.9	2.2	U	ug/l	2.2
Arsenic		9.4	U	ug/l	9.4	9.4	U	ug/l	9.4	9.4	U	ug/l	9.4	1.7	J	ug/l	
Barium		6.8	J	ug/l	.6	7.4	J	ug/l	.6	10.9	J	ug/l	.6	18.4	J	ug/l	

US Naval Station, Mayport, Florida
Analytical Results for Surface Water Samples Collected at SWMU 49

Lab Sample Number:	21528014				21528018				21528013				M7645002			
Site	GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator	MPT49SW41				MPT49SW41D				MPT49SW51				49SW009			
Collect Date:	22-APR-92				22-APR-92				22-APR-92				02-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Beryllium	.19	U	ug/l	.19	.19	U	ug/l	.19	.19	U	ug/l	.19	.18	U	ug/l	.18
Cadmium	2.9	UJ	ug/l	2.9	2.9	UJ	ug/l	2.9	2.9	UJ	ug/l	2.9	3	UJ	ug/l	
Calcium	-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Chromium	2.1	U	ug/l	2.1	2.6	J	ug/l	2.1	3.5	J	ug/l	2.1	2.1	J	ug/l	
Cobalt	3.6	U	ug/l	3.6	3.6	U	ug/l	3.6	3.6	U	ug/l	3.6	2.7	UJ	ug/l	
Copper	13.8	U	ug/l	13.8	16	U	ug/l	16	13.3	U	ug/l	13.3	12.4	J	ug/l	
Cyanide	1.8	U	ug/l	1.8	1.8	U	ug/l	1.8	1.8	U	ug/l	1.8	.32	U	ug/l	.32
Iron	-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Lead	20.2	J	ug/l	1.4	15.6	J	ug/l	1.4	14.9	J	ug/l	.9	4.1	J	ug/l	
Magnesium	-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Manganese	-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Mercury	.04	U	ug/l	.04	.12	U	ug/l	.12	.04	U	ug/l	.04	.16	U	ug/l	.16
Nickel	3.8	U	ug/l	3.8	3.8	U	ug/l	3.8	3.9	J	ug/l	3.8	78.6	J	ug/l	
Selenium	12.1	R	ug/l	1.2	12.1	R	ug/l	1.2	12.1	R	ug/l	1.2	1.3	U	ug/l	1.3
Silver	1.7	U	ug/l	1.7	1.7	U	ug/l	1.7	1.7	U	ug/l	1.7	2.1	U	ug/l	2.1
Sodium	-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Thallium	16.6	UJ	ug/l	16.6	16.6	UJ	ug/l	16.6	16.6	UJ	ug/l	16.6	1.3	U	ug/l	1.3
Tin	26.4	UJ	ug/l	26.4	26.4	UJ	ug/l	26.4	26.4	UJ	ug/l	26.4	9.4	U	ug/l	9.4
Vanadium	2.4	J	ug/l	1.7	3.4	J	ug/l	1.7	4.8	J	ug/l	1.7	4.8	J	ug/l	
Zinc	15.2	U	ug/l	15.2	19.8	U	ug/l	19.8	29.2	U	ug/l	29.2	38		ug/l	
GROUND WATER QUALITY mg/l																
Alkalinity as CaCO3	-		mg/l		-		mg/l		-		mg/l		-		mg/l	
Ammonia-N	-		mg/l		-		mg/l		-		mg/l		-		mg/l	
Chloride	-		mg/l		-		mg/l		-		mg/l		-		mg/l	
Hardness as CaCO3	-		mg/l		-		mg/l		-		mg/l		-		mg/l	
Nitrate/Nitrite-N	-		mg/l		-		mg/l		-		mg/l		-		mg/l	
Oil and Grease	-		mg/l		-		mg/l		-		mg/l		-		mg/l	
Phosphorous-P, Total	-		mg/l		-		mg/l		-		mg/l		-		mg/l	
Sulfate	-		mg/l		-		mg/l		-		mg/l		-		mg/l	
Sulfide	-		mg/l		-		mg/l		-		mg/l		-		mg/l	
Total Dissolved Solids	-		mg/l		-		mg/l		-		mg/l		-		mg/l	
Total Kjeldahl Nitrogen	-		mg/l		-		mg/l		-		mg/l		-		mg/l	
Total Organic Carbon	-		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.

US Naval Station, Mayport, Florida
Analytical Results for Surface Water Samples Collected at SWMU 49

Lab Sample Number:		M7646002			M7645001			M7646001			M7645004		
Site		GROUPI&II			GROUPI&II			GROUPI&II			GROUPI&II		
Locator		49SW009			49SW010			49SW010			49SW011		
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
VOLATILES	ug/l												
Chloromethane		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Bromomethane		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Vinyl chloride		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Chloroethane		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Methylene chloride		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Acetone		-	ug/l		13 U	ug/l	13	-	ug/l		10 U	ug/l	10
Carbon disulfide		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
1,1-Dichloroethane		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
1,1-Dichloroethene		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
1,2-Dichloroethene (total)		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Chloroform		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
1,2-Dichloroethane		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
2-Butanone		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
1,1,1-Trichloroethane		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Carbon tetrachloride		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Bromodichloromethane		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
1,2-Dichloropropane		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
cis-1,3-Dichloropropene		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Trichloroethene		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Dibromochloromethane		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
1,1,2-Trichloroethane		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Benzene		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
trans-1,3-Dichloropropene		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Bromoform		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
4-Methyl-2-pentanone		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
2-Hexanone		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Tetrachloroethene		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
1,1,2,2-Tetrachloroethane		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Toluene		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Chlorobenzene		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Ethylbenzene		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Styrene		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Xylenes (total)		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Dichlorodifluoromethane		-	ug/l		10 UJ	ug/l		-	ug/l		10 UJ	ug/l	
Trichlorofluoromethane		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
1,3-Dichlorobenzene		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Acrolein		-	ug/l		100 U	ug/l	100	-	ug/l		100 U	ug/l	100
Iodomethane		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
1,4-Dichlorobenzene		-	ug/l		10 U	ug/l	10	-	ug/l		5 U	ug/l	5
Acrylonitrile		-	ug/l		100 U	ug/l	100	-	ug/l		100 U	ug/l	100

US Naval Station, Mayport, Florida
Analytical Results for Surface Water Samples Collected at SWMU 49

Lab Sample Number:		M7646002			M7645001			M7646001			M7645004		
Site		GROUPI&II			GROUPI&II			GROUPI&II			GROUPI&II		
Locator		49SW009			49SW010			49SW010			49SW011		
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
Dibromomethane		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
1,2-Dichlorobenzene		-	ug/l		10 U	ug/l	10	-	ug/l		5 U	ug/l	5
2-Chloroethylvinyl ether		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Ethyl methacrylate		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
1,2,3-Trichloropropane		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
trans-1,4-Dichloro-2-butene		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Isobutyl alcohol		-	ug/l		200 U	ug/l	200	-	ug/l		200 U	ug/l	200
1,1,1,2-Tetrachloroethane		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
1,2-Dibromo-3-chloropropane		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Ethylene dibromide		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
1,4-Dioxane		-	ug/l		200 R	ug/l		-	ug/l		200 R	ug/l	
3-Chloropropene		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Acetonitrile		-	ug/l		100 U	ug/l	100	-	ug/l		100 U	ug/l	100
Chloroprene		-	ug/l		200 U	ug/l	200	-	ug/l		200 U	ug/l	200
Methacrylonitrile		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Methyl methacrylate		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Pentachloroethane		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Propionitrile		-	ug/l		100 U	ug/l	100	-	ug/l		100 U	ug/l	100
Vinyl acetate		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
SEMIVOLATILES	ug/l												
N-Nitrosodimethylamine		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Phenol		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Aniline		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
bis(2-Chloroethyl) ether		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Benzyl Alcohol		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
2-Methylphenol		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
bis(2-Chloroisopropyl) ether		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
N-Nitroso-di-n-propylamine		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Hexachloroethane		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Nitrobenzene		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Isophorone		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
2-Nitrophenol		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
2,4-Dimethylphenol		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Benzoic acid		-	ug/l		50 R	ug/l		-	ug/l		50 R	ug/l	
bis(2-Chloroethoxy) methane		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
2,4-Dichlorophenol		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
1,2,4-Trichlorobenzene		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Naphthalene		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
4-Chloroaniline		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Hexachlorobutadiene		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
4-Chloro-3-methylphenol		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
2-Methylnaphthalene		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Hexachlorocyclopentadiene		-	ug/l		10 UJ	ug/l		-	ug/l		10 UJ	ug/l	
2,4,6-Trichlorophenol		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Dimethylphthalate		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
2,4,5-Trichlorophenol		-	ug/l		50 U	ug/l	50	-	ug/l		50 U	ug/l	50
2-Chloronaphthalene		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
2-Nitroaniline		-	ug/l		50 U	ug/l	50	-	ug/l		50 U	ug/l	50
Acenaphthylene		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
2,6-Dinitrotoluene		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
3-Nitroaniline		-	ug/l		50 U	ug/l	50	-	ug/l		50 U	ug/l	50

US Naval Station, Mayport, Florida
Analytical Results for Surface Water Samples Collected at SWMU 49

Lab Sample Number:	M7646002				M7645001				M7646001				M7645004			
Site	GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator	49SW009				49SW010				49SW010				49SW011			
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
Acenaphthene	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
2,4-Dinitrophenol	-		ug/l		50	U	ug/l	50	-		ug/l		50	U	ug/l	50
4-Nitrophenol	-		ug/l		50	U	ug/l	50	-		ug/l		50	U	ug/l	50
Dibenzofuran	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
2,4-Dinitrotoluene	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Diethylphthalate	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
4-Chlorophenyl-phenylether	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Fluorene	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
4-Nitroaniline	-		ug/l		50	U	ug/l	50	-		ug/l		50	U	ug/l	50
4,6-Dinitro-2-methylphenol	-		ug/l		50	U	ug/l	50	-		ug/l		50	U	ug/l	50
N-Nitrosodiphenylamine	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
1,2-Diphenylhydrazine	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
4-Bromophenyl-phenylether	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Hexachlorobenzene	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Pentachlorophenol	-		ug/l		50	U	ug/l	50	-		ug/l		50	U	ug/l	50
Phenanthrene	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Anthracene	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Di-n-Butylphthalate	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Fluoranthene	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Pyrene	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Butylbenzylphthalate	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
3,3-Dichlorobenzidine	-		ug/l		20	U	ug/l	20	-		ug/l		20	U	ug/l	20
Benzo (a) anthracene	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Chrysene	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
bis(2-Ethylhexyl) phthalate	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Di-n-octylphthalate	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Benzo (b) fluoranthene	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Benzo (k) fluoranthene	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Benzo (a) pyrene	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Indeno (1,2,3-cd) pyrene	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Dibenzo (a,h) anthracene	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Benzo (g,h,i) perylene	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
2-Picoline	-		ug/l		50	U	ug/l	50	-		ug/l		50	U	ug/l	50
Methyl methanesulfonate	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Ethyl methanesulfonate	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Acetophenone	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
N-Nitrosopiperidine	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Phenyl-tert-butylamine	-		ug/l		50	U	ug/l	50	-		ug/l		50	U	ug/l	50
2,6-Dichlorophenol	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
N-Nitroso-di-n-butylamine	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
N-Nitrosodiethylamine	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
N-Nitrosopyrrolidine	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Benzidine	-		ug/l		50	UJ	ug/l		-		ug/l		50	UJ	ug/l	
1,2,4,5-Tetrachlorobenzene	-		ug/l		50	U	ug/l	50	-		ug/l		50	U	ug/l	50
Pentachlorobenzene	-		ug/l		50	U	ug/l	50	-		ug/l		50	U	ug/l	50
1-Naphthylamine	-		ug/l		50	U	ug/l	50	-		ug/l		50	U	ug/l	50
2-Naphthylamine	-		ug/l		50	U	ug/l	50	-		ug/l		50	U	ug/l	50
2,3,4,6-Tetrachlorophenol	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Phenacetin	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
4-Aminobiphenyl	-		ug/l		50	U	ug/l	50	-		ug/l		50	U	ug/l	50
Pentachloronitrobenzene	-		ug/l		50	U	ug/l	50	-		ug/l		50	U	ug/l	50
Pronamide	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10

US Naval Station, Mayport, Florida
Analytical Results for Surface Water Samples Collected at SWMU 49

Lab Sample Number:		M7646002			M7645001			M7646001			M7645004		
Site		GROUPI&II			GROUPI&II			GROUPI&II			GROUPI&II		
Locator		49SW009			49SW010			49SW010			49SW011		
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	
p-Dimethylaminoazobenzene		-	ug/l		10	U	ug/l	10		-	ug/l		10 U	ug/l	10
7,12-Dimethylbenz(A)Anthracene		-	ug/l		10	U	ug/l	10		-	ug/l		10 U	ug/l	10
3-Methylcholanthrene		-	ug/l		10	U	ug/l	10		-	ug/l		10 U	ug/l	10
Pyridine		-	ug/l		50	U	ug/l	50		-	ug/l		50 U	ug/l	50
N-Nitrosomethylethylamine		-	ug/l		10	U	ug/l	10		-	ug/l		10 U	ug/l	10
N-Nitrosomorpholine		-	ug/l		10	U	ug/l	10		-	ug/l		10 U	ug/l	10
o-Toluidine		-	ug/l		10	U	ug/l	10		-	ug/l		10 U	ug/l	10
Hexachloropropene		-	ug/l		50	U	ug/l	50		-	ug/l		50 U	ug/l	50
p-Phenylenediamine		-	ug/l		500	U	ug/l	500		-	ug/l		500 U	ug/l	500
Safrole		-	ug/l		50	U	ug/l	50		-	ug/l		50 U	ug/l	50
Isosafrole		-	ug/l		50	U	ug/l	50		-	ug/l		50 U	ug/l	50
1,4-Naphthoquinone		-	ug/l		1000	U	ug/l	1000		-	ug/l		1000 U	ug/l	1000
1,3-Dinitrobenzene		-	ug/l		10	U	ug/l	10		-	ug/l		10 U	ug/l	10
5-Nitro-o-toluidine		-	ug/l		10	U	ug/l	10		-	ug/l		10 U	ug/l	10
1,3,5-Trinitrobenzene		-	ug/l		10	U	ug/l	10		-	ug/l		10 U	ug/l	10
4-Nitroquinoline-1-oxide		-	ug/l		500	R	ug/l			-	ug/l		500 R	ug/l	
Methapyrilene		-	ug/l		50	U	ug/l	50		-	ug/l		50 U	ug/l	50
3,3-Dimethylbenzidine		-	ug/l		10	U	ug/l	10		-	ug/l		10 U	ug/l	10
Hexachlorophene		-	ug/l		500	R	ug/l			-	ug/l		500 R	ug/l	
Aramite		-	ug/l		50	U	ug/l	50		-	ug/l		50 U	ug/l	50
2-Chlorophenol		-	ug/l		10	U	ug/l	10		-	ug/l		10 U	ug/l	10
3- & 4-Methylphenol (2)		-	ug/l		10	U	ug/l	10		-	ug/l		10 U	ug/l	10
Hexachloropropene		-	ug/l		50	U	ug/l	50		-	ug/l		50 U	ug/l	50
2-Acetylaminofluorene		-	ug/l		10	U	ug/l	10		-	ug/l		10 U	ug/l	10
PESTICIDES/PCBs	ug/l														
alpha-BHC		-	ug/l		.02	U	ug/l	.02		-	ug/l		.02 U	ug/l	.02
beta-BHC		-	ug/l		.04	U	ug/l	.04		-	ug/l		.04 U	ug/l	.04
delta-BHC		-	ug/l		.02	U	ug/l	.02		-	ug/l		.02 U	ug/l	.02
gamma-BHC (Lindane)		-	ug/l		.02	U	ug/l	.02		-	ug/l		.02 U	ug/l	.02
Heptachlor		-	ug/l		.02	U	ug/l	.02		-	ug/l		.02 U	ug/l	.02
Aldrin		-	ug/l		.02	U	ug/l	.02		-	ug/l		.02 U	ug/l	.02
Heptachlor epoxide		-	ug/l		.02	U	ug/l	.02		-	ug/l		.02 U	ug/l	.02
Endosulfan I		-	ug/l		.02	U	ug/l	.02		-	ug/l		.02 U	ug/l	.02
Dieldrin		-	ug/l		.02	U	ug/l	.02		-	ug/l		.02 U	ug/l	.02
4,4-DDE		-	ug/l		.02	U	ug/l	.02		-	ug/l		.02 U	ug/l	.02
Endrin		-	ug/l		.04	U	ug/l	.04		-	ug/l		.04 U	ug/l	.04
Endosulfan II		-	ug/l		.04	U	ug/l	.04		-	ug/l		.04 U	ug/l	.04
4,4-DDD		-	ug/l		.04	U	ug/l	.04		-	ug/l		.04 U	ug/l	.04
Endosulfan sulfate		-	ug/l		.04	U	ug/l	.04		-	ug/l		.04 U	ug/l	.04
4,4-DDT		-	ug/l		.04	U	ug/l	.04		-	ug/l		.04 U	ug/l	.04
Methoxychlor		-	ug/l		.08	U	ug/l	.08		-	ug/l		.08 U	ug/l	.08
Endrin aldehyde		-	ug/l		.04	U	ug/l	.04		-	ug/l		.04 U	ug/l	.04
Endrin ketone		-	ug/l		.04	U	ug/l	.04		-	ug/l		.04 U	ug/l	.04
Chlordane		-	ug/l		.2	U	ug/l	.2		-	ug/l		.2 U	ug/l	.2
Chlorobenzilate		-	ug/l		.5	U	ug/l	.5		-	ug/l		.5 U	ug/l	.5
Diallate		-	ug/l		1	U	ug/l	1		-	ug/l		1 U	ug/l	1
Toxaphene		-	ug/l		1	U	ug/l	1		-	ug/l		1 U	ug/l	1
Isodrin		-	ug/l		.02	U	ug/l	.02		-	ug/l		.02 U	ug/l	.02
Kepone		-	ug/l		1	U	ug/l	1		-	ug/l		1 U	ug/l	1
Aroclor-1016		-	ug/l		1	U	ug/l	1		-	ug/l		1 U	ug/l	1
Aroclor-1221		-	ug/l		2	U	ug/l	2		-	ug/l		2 U	ug/l	2

US Naval Station, Mayport, Florida
Analytical Results for Surface Water Samples Collected at SWMU 49

Lab Sample Number:		M7646002				M7645001				M7646001				M7645004			
Site		GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator		49SW009				49SW010				49SW010				49SW011			
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
Aroclor-1232		-		ug/l		2	U	ug/l	2	-		ug/l		2	U	ug/l	2
Aroclor-1242		-		ug/l		1	U	ug/l	1	-		ug/l		1	U	ug/l	1
Aroclor-1248		-		ug/l		1	U	ug/l	1	-		ug/l		1	U	ug/l	1
Aroclor-1254		-		ug/l		.5	U	ug/l	.5	-		ug/l		.5	U	ug/l	.5
Aroclor-1260		-		ug/l		.5	U	ug/l	.5	-		ug/l		.5	U	ug/l	.5
INORGANICS (WATER)	ug/l																
Antimony		-		ug/l		2.4	J	ug/l		-		ug/l		2.6	J	ug/l	
Arsenic		-		ug/l		6.8	J	ug/l		-		ug/l		2.9	J	ug/l	
Barium		-		ug/l		35.6	J	ug/l		-		ug/l		12	J	ug/l	
Beryllium		-		ug/l		.88	J	ug/l		-		ug/l		.18	U	ug/l	.18
Cadmium		-		ug/l		6	J	ug/l		-		ug/l		3	UJ	ug/l	
Calcium		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Chromium		-		ug/l		14.1		ug/l		-		ug/l		2	U	ug/l	2
Cobalt		-		ug/l		2.7	UJ	ug/l		-		ug/l		2.7	UJ	ug/l	
Copper		-		ug/l		18.4	J	ug/l		-		ug/l		4	U	ug/l	4
Cyanide		-		ug/l		.33	J	ug/l		-		ug/l		.32	U	ug/l	.32
Iron		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Lead		-		ug/l		34.2	J	ug/l		-		ug/l		2	U	ug/l	2
Magnesium		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Manganese		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Mercury		-		ug/l		.23		ug/l		-		ug/l		.16	U	ug/l	.16
Nickel		-		ug/l		17.6	J	ug/l		-		ug/l		7.3	UJ	ug/l	
Selenium		-		ug/l		1.3	U	ug/l	1.3	-		ug/l		1.3	U	ug/l	1.3
Silver		-		ug/l		2.1	U	ug/l	2.1	-		ug/l		2.1	U	ug/l	2.1
Sodium		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Thallium		-		ug/l		1.3	U	ug/l	1.3	-		ug/l		1.3	U	ug/l	1.3
Tin		-		ug/l		9.4	U	ug/l	9.4	-		ug/l		9.4	U	ug/l	9.4
Vanadium		-		ug/l		29	J	ug/l		-		ug/l		3.4	J	ug/l	
Zinc		-		ug/l		164		ug/l		-		ug/l		7.5	U	ug/l	7.5
GROUND WATER QUALITY	mg/l																
Alkalinity as CaCO3		166		mg/l		-		mg/l		150		mg/l		-		mg/l	
Ammonia-N		.3		mg/l		-		mg/l		.3	U	mg/l	.3	-		mg/l	
Chloride		525		mg/l		-		mg/l		525		mg/l		-		mg/l	
Hardness as CaCO3		317		mg/l		-		mg/l		288		mg/l		-		mg/l	
Nitrate/Nitrite-N		-		mg/l		-		mg/l		-		mg/l		-		mg/l	
Oil and Grease		-		mg/l		-		mg/l		-		mg/l		-		mg/l	
Phosphorous-P, Total		.31		mg/l		-		mg/l		.22		mg/l		-		mg/l	
Sulfate		57.7		mg/l		-		mg/l		65.1		mg/l		-		mg/l	
Sulfide		24.7		mg/l		-		mg/l		1	U	mg/l	1	-		mg/l	
Total Dissolved Solids		-		mg/l		-		mg/l		-		mg/l		-		mg/l	
Total Kjeldahl Nitrogen		2.6		mg/l		-		mg/l		3.2		mg/l		-		mg/l	
Total Organic Carbon		-		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.

US Naval Station, Mayport, Florida
Analytical Results for Surface Water Samples Collected at SWMU 49

Lab Sample Number:		M7646004			M7645003			M7646003			MB943004		
Site		GROUPI&II			GROUPI&II			GROUPI&II			GROUPI&II		
Locator		49SW011			49SW012			49SW012			49W018		
Collect Date:		02-AUG-94			02-AUG-94			02-AUG-94			25-SEP-96		
		VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
VOLATILES	ug/l												
Chloromethane		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Bromomethane		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Vinyl chloride		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Chloroethane		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Methylene chloride		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Acetone		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Carbon disulfide		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
1,1-Dichloroethane		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
1,1-Dichloroethene		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
1,2-Dichloroethene (total)		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Chloroform		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
1,2-Dichloroethane		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
2-Butanone		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
1,1,1-Trichloroethane		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Carbon tetrachloride		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Bromodichloromethane		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
1,2-Dichloropropane		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
cis-1,3-Dichloropropene		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Trichloroethene		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Dibromochloromethane		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
1,1,2-Trichloroethane		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Benzene		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
trans-1,3-Dichloropropene		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Bromoform		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
4-Methyl-2-pentanone		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
2-Hexanone		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Tetrachloroethene		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
1,1,2,2-Tetrachloroethane		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Toluene		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Chlorobenzene		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Ethylbenzene		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Styrene		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Xylenes (total)		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Dichlorodifluoromethane		-	ug/l		10 UJ	ug/l		-	ug/l		10 U	ug/l	10
Trichlorofluoromethane		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
1,3-Dichlorobenzene		-	ug/l		10 U	ug/l	10	-	ug/l		5 U	ug/l	5
Acrolein		-	ug/l		100 U	ug/l	100	-	ug/l		100 U	ug/l	100
Iodomethane		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
1,4-Dichlorobenzene		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Acrylonitrile		-	ug/l		100 U	ug/l	100	-	ug/l		100 U	ug/l	100

US Naval Station, Mayport, Florida
Analytical Results for Surface Water Samples Collected at SWMU 49

Lab Sample Number:		M7646004			M7645003			M7646003			MB943004		
Site		GROUPI&II			GROUPI&II			GROUPI&II			GROUPI&II		
Locator		49SW011			49SW012			49SW012			49W018		
Collect Date:		02-AUG-94			02-AUG-94			02-AUG-94			25-SEP-96		
		VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
Dibromomethane		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
1,2-Dichlorobenzene		-	ug/l		10 U	ug/l	10	-	ug/l		5 U	ug/l	5
2-Chloroethylvinyl ether		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Ethyl methacrylate		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
1,2,3-Trichloropropane		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
trans-1,4-Dichloro-2-butene		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Isobutyl alcohol		-	ug/l		200 U	ug/l	200	-	ug/l		200 U	ug/l	200
1,1,1,2-Tetrachloroethane		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
1,2-Dibromo-3-chloropropane		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Ethylene dibromide		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
1,4-Dioxane		-	ug/l		200 R	ug/l		-	ug/l		200 R	ug/l	200
3-Chloropropene		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Acetonitrile		-	ug/l		100 U	ug/l	100	-	ug/l		100 U	ug/l	100
Chloroprene		-	ug/l		200 U	ug/l	200	-	ug/l		5 U	ug/l	5
Methacrylonitrile		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Methyl methacrylate		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Pentachloroethane		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Propionitrile		-	ug/l		100 U	ug/l	100	-	ug/l		100 U	ug/l	100
Vinyl acetate		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
SEMIVOLATILES	ug/l												
N-Nitrosodimethylamine		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Phenol		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Aniline		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
bis(2-Chloroethyl) ether		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Benzyl Alcohol		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
2-Methylphenol		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
bis(2-Chloroisopropyl) ether		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
N-Nitroso-di-n-propylamine		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Hexachloroethane		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Nitrobenzene		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Isophorone		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
2-Nitrophenol		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
2,4-Dimethylphenol		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Benzoic acid		-	ug/l		50 R	ug/l		-	ug/l		50 UJ	ug/l	50
bis(2-Chloroethoxy) methane		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
2,4-Dichlorophenol		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
1,2,4-Trichlorobenzene		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Naphthalene		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
4-Chloroaniline		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Hexachlorobutadiene		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
4-Chloro-3-methylphenol		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
2-Methylnaphthalene		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Hexachlorocyclopentadiene		-	ug/l		10 UJ	ug/l		-	ug/l		10 U	ug/l	10
2,4,6-Trichlorophenol		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Dimethylphthalate		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
2,4,5-Trichlorophenol		-	ug/l		50 U	ug/l	50	-	ug/l		50 U	ug/l	50
2-Chloronaphthalene		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
2-Nitroaniline		-	ug/l		50 U	ug/l	50	-	ug/l		50 U	ug/l	50
Acenaphthylene		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
2,6-Dinitrotoluene		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
3-Nitroaniline		-	ug/l		50 U	ug/l	50	-	ug/l		50 U	ug/l	50

US Naval Station, Mayport, Florida
Analytical Results for Surface Water Samples Collected at SWMU 49

Lab Sample Number:	M7646004			M7645003			M7646003			MB943004		
Site	GROUPI&II			GROUPI&II			GROUPI&II			GROUPI&II		
Locator	49SW011			49SW012			49SW012			49W018		
Collect Date:	02-AUG-94			02-AUG-94			02-AUG-94			25-SEP-96		
	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
Acenaphthene	-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
2,4-Dinitrophenol	-	ug/l		50 U	ug/l	50	-	ug/l		50 U	ug/l	50
4-Nitrophenol	-	ug/l		50 U	ug/l	50	-	ug/l		50 U	ug/l	50
Dibenzofuran	-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
2,4-Dinitrotoluene	-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Diethylphthalate	-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
4-Chlorophenyl-phenylether	-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Fluorene	-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
4-Nitroaniline	-	ug/l		50 U	ug/l	50	-	ug/l		50 U	ug/l	50
4,6-Dinitro-2-methylphenol	-	ug/l		50 U	ug/l	50	-	ug/l		50 U	ug/l	50
N-Nitrosodiphenylamine	-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
1,2-Diphenylhydrazine	-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
4-Bromophenyl-phenylether	-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Hexachlorobenzene	-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Pentachlorophenol	-	ug/l		50 U	ug/l	50	-	ug/l		50 U	ug/l	50
Phenanthrene	-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Anthracene	-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Di-n-Butylphthalate	-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Fluoranthene	-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Pyrene	-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Butylbenzylphthalate	-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
3,3-Dichlorobenzidine	-	ug/l		20 U	ug/l	20	-	ug/l		20 U	ug/l	20
Benzo (a) anthracene	-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Chrysene	-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
bis(2-Ethylhexyl) phthalate	-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Di-n-octylphthalate	-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Benzo (b) fluoranthene	-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Benzo (k) fluoranthene	-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Benzo (a) pyrene	-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Indeno (1,2,3-cd) pyrene	-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Dibenzo (a,h) anthracene	-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Benzo (g,h,i) perylene	-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
2-Picoline	-	ug/l		50 U	ug/l	50	-	ug/l		50 U	ug/l	50
Methyl methanesulfonate	-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Ethyl methanesulfonate	-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Acetophenone	-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
N-Nitrosopiperidine	-	ug/l		10 U	ug/l	10	-	ug/l		10 UJ	ug/l	10
Phenyl-tert-butylamine	-	ug/l		50 U	ug/l	50	-	ug/l		50 U	ug/l	50
2,6-Dichlorophenol	-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
N-Nitroso-di-n-butylamine	-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
N-Nitrosodiethylamine	-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
N-Nitrosopyrrolidine	-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Benzidine	-	ug/l		50 UJ	ug/l		-	ug/l		50 U	ug/l	50
1,2,4,5-Tetrachlorobenzene	-	ug/l		50 U	ug/l	50	-	ug/l		50 U	ug/l	50
Pentachlorobenzene	-	ug/l		50 U	ug/l	50	-	ug/l		50 U	ug/l	50
1-Naphthylamine	-	ug/l		50 U	ug/l	50	-	ug/l		50 U	ug/l	50
2-Naphthylamine	-	ug/l		50 U	ug/l	50	-	ug/l		50 U	ug/l	50
2,3,4,6-Tetrachlorophenol	-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Phenacetin	-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
4-Aminobiphenyl	-	ug/l		50 U	ug/l	50	-	ug/l		50 U	ug/l	50
Pentachloronitrobenzene	-	ug/l		50 U	ug/l	50	-	ug/l		50 U	ug/l	50
Pronamide	-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10

US Naval Station, Mayport, Florida
Analytical Results for Surface Water Samples Collected at SWMU 49

Lab Sample Number:		M7646004				M7645003				M7646003				MB943004		
Site		GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II		
Locator		49SW011				49SW012				49SW012				49W018		
Collect Date:		02-AUG-94				02-AUG-94				02-AUG-94				25-SEP-96		
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
p-Dimethylaminoazobenzene		-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
7,12-Dimethylbenz(A)Anthracene		-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
3-Methylcholanthrene		-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Pyridine		-		ug/l		50	U	ug/l	50	-		ug/l		50	U	ug/l	50
N-Nitrosomethylethylamine		-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
N-Nitrosomorpholine		-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
o-Toluidine		-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Hexachloropropene		-		ug/l		50	U	ug/l	50	-		ug/l		50	U	ug/l	50
p-Phenylenediamine		-		ug/l		500	U	ug/l	500	-		ug/l		500	U	ug/l	500
Safrole		-		ug/l		50	U	ug/l	50	-		ug/l		50	U	ug/l	50
Isosafrole		-		ug/l		50	U	ug/l	50	-		ug/l		50	U	ug/l	50
1,4-Naphthoquinone		-		ug/l		1000	U	ug/l	1000	-		ug/l		1000	U	ug/l	1000
1,3-Dinitrobenzene		-		ug/l		10	U	ug/l	10	-		ug/l		10	UJ	ug/l	10
5-Nitro-o-toluidine		-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
1,3,5-Trinitrobenzene		-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
4-Nitroquinoline-1-oxide		-		ug/l		500	R	ug/l		-		ug/l		500	UJ	ug/l	500
Methapyrilene		-		ug/l		50	U	ug/l	50	-		ug/l		50	U	ug/l	50
3,3-Dimethylbenzidine		-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Hexachlorophene		-		ug/l		500	R	ug/l		-		ug/l		500	UJ	ug/l	500
Aramite		-		ug/l		50	U	ug/l	50	-		ug/l		50	U	ug/l	50
2-Chlorophenol		-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
3- & 4-Methylphenol (2)		-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Hexachloropropene		-		ug/l		50	U	ug/l	50	-		ug/l		50	U	ug/l	50
2-Acetylaminofluorene		-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
PESTICIDES/PCBs	ug/l																
alpha-BHC		-		ug/l		.02	U	ug/l	.02	-		ug/l		.02	U	ug/l	.02
beta-BHC		-		ug/l		.04	U	ug/l	.04	-		ug/l		.04	U	ug/l	.04
delta-BHC		-		ug/l		.02	U	ug/l	.02	-		ug/l		.02	U	ug/l	.02
gamma-BHC (Lindane)		-		ug/l		.02	U	ug/l	.02	-		ug/l		.02	U	ug/l	.02
Heptachlor		-		ug/l		.02	U	ug/l	.02	-		ug/l		.02	U	ug/l	.02
Aldrin		-		ug/l		.02	U	ug/l	.02	-		ug/l		.02	U	ug/l	.02
Heptachlor epoxide		-		ug/l		.02	U	ug/l	.02	-		ug/l		.02	U	ug/l	.02
Endosulfan I		-		ug/l		.02	U	ug/l	.02	-		ug/l		.02	U	ug/l	.02
Dieldrin		-		ug/l		.02	U	ug/l	.02	-		ug/l		.02	U	ug/l	.02
4,4-DDE		-		ug/l		.02	U	ug/l	.02	-		ug/l		.02	U	ug/l	.02
Endrin		-		ug/l		.04	U	ug/l	.04	-		ug/l		.04	U	ug/l	.04
Endosulfan II		-		ug/l		.04	U	ug/l	.04	-		ug/l		.04	U	ug/l	.04
4,4-DDD		-		ug/l		.04	U	ug/l	.04	-		ug/l		.04	U	ug/l	.04
Endosulfan sulfate		-		ug/l		.04	U	ug/l	.04	-		ug/l		.04	U	ug/l	.04
4,4-DDT		-		ug/l		.04	U	ug/l	.04	-		ug/l		.04	U	ug/l	.04
Methoxychlor		-		ug/l		.08	U	ug/l	.08	-		ug/l		.08	U	ug/l	.08
Endrin aldehyde		-		ug/l		.04	U	ug/l	.04	-		ug/l		.04	U	ug/l	.04
Endrin ketone		-		ug/l		.04	U	ug/l	.04	-		ug/l		.04	U	ug/l	.04
Chlordane		-		ug/l		.2	U	ug/l	.2	-		ug/l		.2	U	ug/l	.2
Chlorobenzilate		-		ug/l		.5	U	ug/l	.5	-		ug/l		.5	U	ug/l	.5
Diallate		-		ug/l		1	U	ug/l	1	-		ug/l		1	U	ug/l	1
Toxaphene		-		ug/l		1	U	ug/l	1	-		ug/l		1	U	ug/l	1
Isodrin		-		ug/l		.02	U	ug/l	.02	-		ug/l		.02	U	ug/l	.02
Kepone		-		ug/l		1	U	ug/l	1	-		ug/l		1	UJ	ug/l	1
Aroclor-1016		-		ug/l		1	U	ug/l	1	-		ug/l		1	U	ug/l	1
Aroclor-1221		-		ug/l		2	U	ug/l	2	-		ug/l		2	U	ug/l	2

US Naval Station, Mayport, Florida
Analytical Results for Surface Water Samples Collected at SWMU 49

Lab Sample Number:		M7646004				M7645003				M7646003				MB943004		
Site		GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II		
Locator		49SW011				49SW012				49SW012				49W018		
Collect Date:		02-AUG-94				02-AUG-94				02-AUG-94				25-SEP-96		
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Aroclor-1232		-		ug/l		2	U	ug/l	2	-		ug/l		2	U	ug/l	2
Aroclor-1242		-		ug/l		1	U	ug/l	1	-		ug/l		1	U	ug/l	1
Aroclor-1248		-		ug/l		1	U	ug/l	1	-		ug/l		1	U	ug/l	1
Aroclor-1254		-		ug/l		.5	U	ug/l	.5	-		ug/l		.5	U	ug/l	.5
Aroclor-1260		-		ug/l		.5	U	ug/l	.5	-		ug/l		.5	U	ug/l	.5
INORGANICS (WATER)	ug/l																
Antimony		-		ug/l		2.2	U	ug/l	2.2	-		ug/l		4.13	UJ	ug/l	4.13
Arsenic		-		ug/l		1.4	J	ug/l		-		ug/l		5.2	U	ug/l	5.2
Barium		-		ug/l		15	J	ug/l		-		ug/l		5.3	J	ug/l	.18
Beryllium		-		ug/l		.18	U	ug/l	.18	-		ug/l		.11	UJ	ug/l	.11
Cadmium		-		ug/l		3	UJ	ug/l		-		ug/l		.41	UJ	ug/l	.41
Calcium		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Chromium		-		ug/l		2	U	ug/l	2	-		ug/l		2	J	ug/l	.34
Cobalt		-		ug/l		2.7	UJ	ug/l		-		ug/l		.69	UJ	ug/l	.69
Copper		-		ug/l		4	U	ug/l	4	-		ug/l		14.7	UJ	ug/l	14.7
Cyanide		-		ug/l		.32	U	ug/l	.32	-		ug/l		.88	U	ug/l	.88
Iron		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Lead		-		ug/l		2	U	ug/l	2	-		ug/l		5.4	UJ	ug/l	5.4
Magnesium		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Manganese		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Mercury		-		ug/l		.16	U	ug/l	.16	-		ug/l		.06	UJ	ug/l	.06
Nickel		-		ug/l		7.3	UJ	ug/l		-		ug/l		3.2	UJ	ug/l	3.2
Selenium		-		ug/l		1.3	U	ug/l	1.3	-		ug/l		4.4	J	ug/l	3.9
Silver		-		ug/l		2.1	U	ug/l	2.1	-		ug/l		.85	U	ug/l	.85
Sodium		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Thallium		-		ug/l		1.3	U	ug/l	1.3	-		ug/l		1.9	U	ug/l	1.9
Tin		-		ug/l		9.4	U	ug/l	9.4	-		ug/l		119		ug/l	6.8
Vanadium		-		ug/l		3.3	J	ug/l		-		ug/l		2.2	J	ug/l	.59
Zinc		-		ug/l		6	U	ug/l	6	-		ug/l		81.6	UJ	ug/l	81.6
GROUND WATER QUALITY	mg/l																
Alkalinity as CaCO3		150		mg/l		-		mg/l		146		mg/l		-		mg/l	
Ammonia-N		.3	U	mg/l	.3	-		mg/l		.3	U	mg/l	.3	-		mg/l	
Chloride		512		mg/l		-		mg/l		532		mg/l		-		mg/l	
Hardness as CaCO3		308		mg/l		-		mg/l		308		mg/l		-		mg/l	
Nitrate/Nitrite-N		-		mg/l		-		mg/l		-		mg/l		-		mg/l	
Oil and Grease		-		mg/l		-		mg/l		-		mg/l		-		mg/l	
Phosphorous-P, Total		.25		mg/l		-		mg/l		.34		mg/l		-		mg/l	
Sulfate		55.8		mg/l		-		mg/l		61.8		mg/l		-		mg/l	
Sulfide		1	U	mg/l	1	-		mg/l		1	U	mg/l	1	-		mg/l	
Total Dissolved Solids		-		mg/l		-		mg/l		-		mg/l		-		mg/l	
Total Kjeldahl Nitrogen		106		mg/l		-		mg/l		2.3		mg/l		-		mg/l	
Total Organic Carbon		-		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.

US Naval Station, Mayport, Florida
Analytical Results for Surface Water Samples Collected at SWMU 49

Lab Sample Number:		MB945001			MB943005			MB945002			MB943006		
Site		GROUPI&II			GROUPI&II			GROUPI&II			GROUPI&II		
Locator		49W018			49W019			49W019			49W020		
Collect Date:		25-SEP-96			25-SEP-96			25-SEP-96			25-SEP-96		
		VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
VOLATILES	ug/l												
Chloromethane		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Bromomethane		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Vinyl chloride		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Chloroethane		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Methylene chloride		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Acetone		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Carbon disulfide		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
1,1-Dichloroethane		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
1,1-Dichloroethene		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
1,2-Dichloroethene (total)		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Chloroform		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
1,2-Dichloroethane		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
2-Butanone		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
1,1,1-Trichloroethane		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Carbon tetrachloride		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Bromodichloromethane		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
1,2-Dichloropropane		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
cis-1,3-Dichloropropene		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Trichloroethene		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Dibromochloromethane		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
1,1,2-Trichloroethane		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Benzene		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
trans-1,3-Dichloropropene		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Bromoform		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
4-Methyl-2-pentanone		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
2-Hexanone		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Tetrachloroethene		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
1,1,2,2-Tetrachloroethane		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Toluene		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Chlorobenzene		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Ethylbenzene		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Styrene		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Xylenes (total)		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Dichlorodifluoromethane		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Trichlorofluoromethane		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
1,3-Dichlorobenzene		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Acrolein		-	ug/l		100 U	ug/l	100	-	ug/l		100 U	ug/l	100
Iodomethane		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
1,4-Dichlorobenzene		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Acrylonitrile		-	ug/l		100 U	ug/l	100	-	ug/l		100 U	ug/l	100

US Naval Station, Mayport, Florida
Analytical Results for Surface Water Samples Collected at SWMU 49

Lab Sample Number:		MB945001			MB943005			MB945002			MB943006		
Site		GROUPI&II			GROUPI&II			GROUPI&II			GROUPI&II		
Locator		49W018			49W019			49W019			49W020		
Collect Date:		25-SEP-96			25-SEP-96			25-SEP-96			25-SEP-96		
		VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
Dibromomethane		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
1,2-Dichlorobenzene		-	ug/l		5 U	ug/l	5	-	ug/l		10 U	ug/l	10
2-Chloroethylvinyl ether		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Ethyl methacrylate		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
1,2,3-Trichloropropane		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
trans-1,4-Dichloro-2-butene		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Isobutyl alcohol		-	ug/l		200 U	ug/l	200	-	ug/l		200 U	ug/l	200
1,1,1,2-Tetrachloroethane		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
1,2-Dibromo-3-chloropropane		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Ethylene dibromide		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
1,4-Dioxane		-	ug/l		200 R	ug/l	200	-	ug/l		200 R	ug/l	200
3-Chloropropene		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Acetonitrile		-	ug/l		100 U	ug/l	100	-	ug/l		100 U	ug/l	100
Chloroprene		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Methacrylonitrile		-	ug/l		5 U	ug/l	5	-	ug/l		5 U	ug/l	5
Methyl methacrylate		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Pentachloroethane		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Propionitrile		-	ug/l		100 U	ug/l	100	-	ug/l		100 U	ug/l	100
Vinyl acetate		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
SEMIVOLATILES	ug/l												
N-Nitrosodimethylamine		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Phenol		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Aniline		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
bis(2-Chloroethyl) ether		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Benzyl Alcohol		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
2-Methylphenol		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
bis(2-Chloroisopropyl) ether		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
N-Nitroso-di-n-propylamine		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Hexachloroethane		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Nitrobenzene		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Isophorone		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
2-Nitrophenol		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
2,4-Dimethylphenol		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Benzoic acid		-	ug/l		50 UJ	ug/l	50	-	ug/l		50 UJ	ug/l	50
bis(2-Chloroethoxy) methane		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
2,4-Dichlorophenol		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
1,2,4-Trichlorobenzene		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Naphthalene		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
4-Chloroaniline		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Hexachlorobutadiene		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
4-Chloro-3-methylphenol		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
2-Methylnaphthalene		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Hexachlorocyclopentadiene		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
2,4,6-Trichlorophenol		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
Dimethylphthalate		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
2,4,5-Trichlorophenol		-	ug/l		50 U	ug/l	50	-	ug/l		50 U	ug/l	50
2-Chloronaphthalene		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
2-Nitroaniline		-	ug/l		50 U	ug/l	50	-	ug/l		50 U	ug/l	50
Acenaphthylene		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
2,6-Dinitrotoluene		-	ug/l		10 U	ug/l	10	-	ug/l		10 U	ug/l	10
3-Nitroaniline		-	ug/l		50 U	ug/l	50	-	ug/l		50 U	ug/l	50

US Naval Station, Mayport, Florida
Analytical Results for Surface Water Samples Collected at SWMU 49

Lab Sample Number:	MB945001				MB943005				MB945002				MB943006			
Site	GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator	49W018				49W019				49W019				49W020			
Collect Date:	25-SEP-96				25-SEP-96				25-SEP-96				25-SEP-96			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Acenaphthene	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
2,4-Dinitrophenol	-		ug/l		50	U	ug/l	50	-		ug/l		50	U	ug/l	50
4-Nitrophenol	-		ug/l		50	U	ug/l	50	-		ug/l		50	U	ug/l	50
Dibenzofuran	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
2,4-Dinitrotoluene	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Diethylphthalate	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
4-Chlorophenyl-phenylether	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Fluorene	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
4-Nitroaniline	-		ug/l		50	U	ug/l	50	-		ug/l		50	U	ug/l	50
4,6-Dinitro-2-methylphenol	-		ug/l		50	U	ug/l	50	-		ug/l		50	U	ug/l	50
N-Nitrosodiphenylamine	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
1,2-Diphenylhydrazine	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
4-Bromophenyl-phenylether	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Hexachlorobenzene	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Pentachlorophenol	-		ug/l		50	U	ug/l	50	-		ug/l		50	U	ug/l	50
Phenanthrene	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Anthracene	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Di-n-Butylphthalate	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Fluoranthene	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Pyrene	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Butylbenzylphthalate	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
3,3-Dichlorobenzidine	-		ug/l		20	U	ug/l	20	-		ug/l		20	U	ug/l	20
Benzo (a) anthracene	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Chrysene	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
bis(2-Ethylhexyl) phthalate	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Di-n-octylphthalate	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Benzo (b) fluoranthene	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Benzo (k) fluoranthene	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Benzo (a) pyrene	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Indeno (1,2,3-cd) pyrene	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Dibenzo (a,h) anthracene	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Benzo (g,h,i) perylene	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
2-Picoline	-		ug/l		50	U	ug/l	50	-		ug/l		50	U	ug/l	50
Methyl methanesulfonate	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Ethyl methanesulfonate	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Acetophenone	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
N-Nitrosopiperidine	-		ug/l		10	UJ	ug/l	10	-		ug/l		10	UJ	ug/l	10
Phenyl-tert-butylamine	-		ug/l		50	U	ug/l	50	-		ug/l		50	U	ug/l	50
2,6-Dichlorophenol	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
N-Nitroso-di-n-butylamine	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
N-Nitrosodiethylamine	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
N-Nitrosopyrrolidine	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Benzidine	-		ug/l		50	U	ug/l	50	-		ug/l		50	U	ug/l	50
1,2,4,5-Tetrachlorobenzene	-		ug/l		50	U	ug/l	50	-		ug/l		50	U	ug/l	50
Pentachlorobenzene	-		ug/l		50	U	ug/l	50	-		ug/l		50	U	ug/l	50
1-Naphthylamine	-		ug/l		50	U	ug/l	50	-		ug/l		50	U	ug/l	50
2-Naphthylamine	-		ug/l		50	U	ug/l	50	-		ug/l		50	U	ug/l	50
2,3,4,6-Tetrachlorophenol	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Phenacetin	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
4-Aminobiphenyl	-		ug/l		50	U	ug/l	50	-		ug/l		50	U	ug/l	50
Pentachloronitrobenzene	-		ug/l		50	U	ug/l	50	-		ug/l		50	U	ug/l	50
Pronamide	-		ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10

US Naval Station, Mayport, Florida
Analytical Results for Surface Water Samples Collected at SWMU 49

Lab Sample Number:		MB945001			MB943005			MB945002			MB943006		
Site		GROUPI&II			GROUPI&II			GROUPI&II			GROUPI&II		
Locator		49W018			49W019			49W019			49W020		
Collect Date:		25-SEP-96			25-SEP-96			25-SEP-96			25-SEP-96		
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	
p-Dimethylaminoazobenzene		-	ug/l		10	U	ug/l	10		-	ug/l		10 U	ug/l	10
7,12-Dimethylbenz(A)Anthracene		-	ug/l		10	U	ug/l	10		-	ug/l		10 U	ug/l	10
3-Methylcholanthrene		-	ug/l		10	U	ug/l	10		-	ug/l		10 U	ug/l	10
Pyridine		-	ug/l		50	U	ug/l	50		-	ug/l		50 U	ug/l	50
N-Nitrosomethylethylamine		-	ug/l		10	U	ug/l	10		-	ug/l		10 U	ug/l	10
N-Nitrosomorpholine		-	ug/l		10	U	ug/l	10		-	ug/l		10 U	ug/l	10
o-Toluidine		-	ug/l		10	U	ug/l	10		-	ug/l		10 U	ug/l	10
Hexachloropropene		-	ug/l		50	U	ug/l	50		-	ug/l		50 U	ug/l	50
p-Phenylenediamine		-	ug/l		500	U	ug/l	500		-	ug/l		500 U	ug/l	500
Safrole		-	ug/l		50	U	ug/l	50		-	ug/l		50 U	ug/l	50
Isosafrole		-	ug/l		50	U	ug/l	50		-	ug/l		50 U	ug/l	50
1,4-Naphthoquinone		-	ug/l		1000	U	ug/l	1000		-	ug/l		1000 U	ug/l	1000
1,3-Dinitrobenzene		-	ug/l		10	UJ	ug/l	10		-	ug/l		10 UJ	ug/l	10
5-Nitro-o-toluidine		-	ug/l		10	U	ug/l	10		-	ug/l		10 U	ug/l	10
1,3,5-Trinitrobenzene		-	ug/l		10	U	ug/l	10		-	ug/l		10 U	ug/l	10
4-Nitroquinoline-1-oxide		-	ug/l		500	UJ	ug/l	500		-	ug/l		500 UJ	ug/l	500
Methapyrilene		-	ug/l		50	U	ug/l	50		-	ug/l		50 U	ug/l	50
3,3-Dimethylbenzidine		-	ug/l		10	U	ug/l	10		-	ug/l		10 U	ug/l	10
Hexachlorophene		-	ug/l		500	UJ	ug/l	500		-	ug/l		500 UJ	ug/l	500
Aramite		-	ug/l		50	U	ug/l	50		-	ug/l		50 U	ug/l	50
2-Chlorophenol		-	ug/l		10	U	ug/l	10		-	ug/l		10 U	ug/l	10
3- & 4-Methylphenol (2)		-	ug/l		10	U	ug/l	10		-	ug/l		10 U	ug/l	10
Hexachloropropene		-	ug/l		50	U	ug/l	50		-	ug/l		50 U	ug/l	50
2-Acetylaminofluorene		-	ug/l		10	U	ug/l	10		-	ug/l		10 U	ug/l	10
PESTICIDES/PCBs	ug/l														
alpha-BHC		-	ug/l		.02	U	ug/l	.02		-	ug/l		.02 U	ug/l	.02
beta-BHC		-	ug/l		.04	U	ug/l	.04		-	ug/l		.04 U	ug/l	.04
delta-BHC		-	ug/l		.02	U	ug/l	.02		-	ug/l		.02 U	ug/l	.02
gamma-BHC (Lindane)		-	ug/l		.02	U	ug/l	.02		-	ug/l		.02 U	ug/l	.02
Heptachlor		-	ug/l		.02	U	ug/l	.02		-	ug/l		.02 U	ug/l	.02
Aldrin		-	ug/l		.02	U	ug/l	.02		-	ug/l		.02 U	ug/l	.02
Heptachlor epoxide		-	ug/l		.02	U	ug/l	.02		-	ug/l		.02 U	ug/l	.02
Endosulfan I		-	ug/l		.02	U	ug/l	.02		-	ug/l		.02 U	ug/l	.02
Dieldrin		-	ug/l		.02	U	ug/l	.02		-	ug/l		.02 U	ug/l	.02
4,4-DDE		-	ug/l		.02	U	ug/l	.02		-	ug/l		.02 U	ug/l	.02
Endrin		-	ug/l		.04	U	ug/l	.04		-	ug/l		.04 U	ug/l	.04
Endosulfan II		-	ug/l		.04	U	ug/l	.04		-	ug/l		.04 U	ug/l	.04
4,4-DDD		-	ug/l		.04	U	ug/l	.04		-	ug/l		.04 U	ug/l	.04
Endosulfan sulfate		-	ug/l		.04	U	ug/l	.04		-	ug/l		.04 U	ug/l	.04
4,4-DDT		-	ug/l		.04	U	ug/l	.04		-	ug/l		.04 U	ug/l	.04
Methoxychlor		-	ug/l		.08	U	ug/l	.08		-	ug/l		.08 U	ug/l	.08
Endrin aldehyde		-	ug/l		.04	U	ug/l	.04		-	ug/l		.04 U	ug/l	.04
Endrin ketone		-	ug/l		.04	U	ug/l	.04		-	ug/l		.04 U	ug/l	.04
Chlordane		-	ug/l		.2	U	ug/l	.2		-	ug/l		.2 U	ug/l	.2
Chlorobenzilate		-	ug/l		.5	U	ug/l	.5		-	ug/l		.5 U	ug/l	.5
Diallate		-	ug/l		1	U	ug/l	1		-	ug/l		1 U	ug/l	1
Toxaphene		-	ug/l		1	U	ug/l	1		-	ug/l		1 U	ug/l	1
Isodrin		-	ug/l		.02	U	ug/l	.02		-	ug/l		.02 U	ug/l	.02
Kepone		-	ug/l		1	UJ	ug/l	1		-	ug/l		1 UJ	ug/l	1
Aroclor-1016		-	ug/l		1	U	ug/l	1		-	ug/l		1 U	ug/l	1
Aroclor-1221		-	ug/l		2	U	ug/l	2		-	ug/l		2 U	ug/l	2

US Naval Station, Mayport, Florida
Analytical Results for Surface Water Samples Collected at SWMU 49

Lab Sample Number:		MB945001				MB943005				MB945002				MB943006			
Site		GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator		49W018				49W019				49W019				49W020			
Collect Date:		25-SEP-96				25-SEP-96				25-SEP-96				25-SEP-96			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Aroclor-1232		-		ug/l		2	U	ug/l	2	-		ug/l		2	U	ug/l	2
Aroclor-1242		-		ug/l		1	U	ug/l	1	-		ug/l		1	U	ug/l	1
Aroclor-1248		-		ug/l		1	U	ug/l	1	-		ug/l		1	U	ug/l	1
Aroclor-1254		-		ug/l		.5	U	ug/l	.5	-		ug/l		.5	U	ug/l	.5
Aroclor-1260		-		ug/l		.5	U	ug/l	.5	-		ug/l		.5	U	ug/l	.5
INORGANICS (WATER)	ug/l																
Antimony		-		ug/l		3.4	U	ug/l	3.4	-		ug/l		4.13	UJ	ug/l	4.13
Arsenic		-		ug/l		5.2	U	ug/l	5.2	-		ug/l		5.2	U	ug/l	5.2
Barium		-		ug/l		10.5	J	ug/l	.18	-		ug/l		7.8	J	ug/l	.18
Beryllium		-		ug/l		.11	U	ug/l	.11	-		ug/l		.11	U	ug/l	.11
Cadmium		-		ug/l		.41	UJ	ug/l	.41	-		ug/l		.38	U	ug/l	.38
Calcium		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Chromium		-		ug/l		1.6	J	ug/l	.34	-		ug/l		1.9	J	ug/l	.34
Cobalt		-		ug/l		.64	UJ	ug/l	.64	-		ug/l		.32	U	ug/l	.32
Copper		-		ug/l		25.8	UJ	ug/l	25.8	-		ug/l		14.7	UJ	ug/l	14.7
Cyanide		-		ug/l		.88	U	ug/l	.88	-		ug/l		.88	U	ug/l	.88
Iron		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Lead		-		ug/l		4.6	UJ	ug/l	4.6	-		ug/l		3.6	UJ	ug/l	3.6
Magnesium		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Manganese		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Mercury		-		ug/l		.06	UJ	ug/l	.06	-		ug/l		.07	UJ	ug/l	.07
Nickel		-		ug/l		7.8	UJ	ug/l	7.8	-		ug/l		1.2	U	ug/l	1.2
Selenium		-		ug/l		3.9	U	ug/l	3.9	-		ug/l		3.9	U	ug/l	3.9
Silver		-		ug/l		.85	U	ug/l	.85	-		ug/l		.85	U	ug/l	.85
Sodium		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Thallium		-		ug/l		1.9	U	ug/l	1.9	-		ug/l		3	UJ	ug/l	3
Tin		-		ug/l		132		ug/l	6.8	-		ug/l		125		ug/l	6.8
Vanadium		-		ug/l		2.1	J	ug/l	.59	-		ug/l		2.1	J	ug/l	.59
Zinc		-		ug/l		135		ug/l	.93	-		ug/l		54.5	UJ	ug/l	54.5
GROUND WATER QUALITY	mg/l																
Alkalinity as CaCO3		195		mg/l	3	-		mg/l		186		mg/l	3	-		mg/l	
Ammonia-N		.2	U	mg/l	.2	-		mg/l		.2	U	mg/l	.2	-		mg/l	
Chloride		120		mg/l	10	-		mg/l		120		mg/l	10	-		mg/l	
Hardness as CaCO3		282		mg/l	3	-		mg/l		260		mg/l	3	-		mg/l	
Nitrate/Nitrite-N		-		mg/l		-		mg/l		-		mg/l		-		mg/l	
Oil and Grease		-		mg/l		-		mg/l		-		mg/l		-		mg/l	
Phosphorous-P, Total		.07		mg/l	.05	-		mg/l		.09		mg/l	.05	-		mg/l	
Sulfate		20.5		mg/l	2	-		mg/l		21.6		mg/l	2	-		mg/l	
Sulfide		.1	U	mg/l	.1	-		mg/l		.1	U	mg/l	.1	-		mg/l	
Total Dissolved Solids		444		mg/l	10	-		mg/l		442		mg/l	10	-		mg/l	
Total Kjeldahl Nitrogen		1.3		mg/l	.1	-		mg/l		1.5		mg/l	.1	-		mg/l	
Total Organic Carbon		7.4		mg/l	1	-		mg/l		6.6		mg/l	1	-		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.

US Naval Station, Mayport, Florida
Analytical Results for Surface Water Samples Collected at SWMU 49

Lab Sample Number:		MB945003			MB943008			MB945005		
Site		GROUPI&II			GROUPI&II			GROUPI&II		
Locator		49W020			49W021			49W021		
Collect Date:		25-SEP-96			26-SEP-96			26-SEP-96		
		VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
VOLATILES	ug/l									
Chloromethane		-	ug/l		10 U	ug/l	10	-	ug/l	
Bromomethane		-	ug/l		10 U	ug/l	10	-	ug/l	
Vinyl chloride		-	ug/l		10 U	ug/l	10	-	ug/l	
Chloroethane		-	ug/l		10 U	ug/l	10	-	ug/l	
Methylene chloride		-	ug/l		5 U	ug/l	5	-	ug/l	
Acetone		-	ug/l		10 U	ug/l	10	-	ug/l	
Carbon disulfide		-	ug/l		5 U	ug/l	5	-	ug/l	
1,1-Dichloroethane		-	ug/l		5 U	ug/l	5	-	ug/l	
1,1-Dichloroethene		-	ug/l		5 U	ug/l	5	-	ug/l	
1,2-Dichloroethene (total)		-	ug/l		5 U	ug/l	5	-	ug/l	
Chloroform		-	ug/l		5 U	ug/l	5	-	ug/l	
1,2-Dichloroethane		-	ug/l		5 U	ug/l	5	-	ug/l	
2-Butanone		-	ug/l		10 U	ug/l	10	-	ug/l	
1,1,1-Trichloroethane		-	ug/l		5 U	ug/l	5	-	ug/l	
Carbon tetrachloride		-	ug/l		5 U	ug/l	5	-	ug/l	
Bromodichloromethane		-	ug/l		5 U	ug/l	5	-	ug/l	
1,2-Dichloropropane		-	ug/l		5 U	ug/l	5	-	ug/l	
cis-1,3-Dichloropropene		-	ug/l		5 U	ug/l	5	-	ug/l	
Trichloroethene		-	ug/l		5 U	ug/l	5	-	ug/l	
Dibromochloromethane		-	ug/l		5 U	ug/l	5	-	ug/l	
1,1,2-Trichloroethane		-	ug/l		5 U	ug/l	5	-	ug/l	
Benzene		-	ug/l		5 U	ug/l	5	-	ug/l	
trans-1,3-Dichloropropene		-	ug/l		5 U	ug/l	5	-	ug/l	
Bromoform		-	ug/l		5 U	ug/l	5	-	ug/l	
4-Methyl-2-pentanone		-	ug/l		10 U	ug/l	10	-	ug/l	
2-Hexanone		-	ug/l		10 U	ug/l	10	-	ug/l	
Tetrachloroethene		-	ug/l		5 U	ug/l	5	-	ug/l	
1,1,2,2-Tetrachloroethane		-	ug/l		5 U	ug/l	5	-	ug/l	
Toluene		-	ug/l		5 U	ug/l	5	-	ug/l	
Chlorobenzene		-	ug/l		5 U	ug/l	5	-	ug/l	
Ethylbenzene		-	ug/l		5 U	ug/l	5	-	ug/l	
Styrene		-	ug/l		5 U	ug/l	5	-	ug/l	
Xylenes (total)		-	ug/l		5 U	ug/l	5	-	ug/l	
Dichlorodifluoromethane		-	ug/l		10 U	ug/l	10	-	ug/l	
Trichlorofluoromethane		-	ug/l		5 U	ug/l	5	-	ug/l	
1,3-Dichlorobenzene		-	ug/l		10 U	ug/l	10	-	ug/l	
Acrolein		-	ug/l		100 U	ug/l	100	-	ug/l	
Iodomethane		-	ug/l		10 U	ug/l	10	-	ug/l	
1,4-Dichlorobenzene		-	ug/l		5 U	ug/l	5	-	ug/l	
Acrylonitrile		-	ug/l		100 U	ug/l	100	-	ug/l	

US Naval Station, Mayport, Florida
Analytical Results for Surface Water Samples Collected at SWMU 49

Lab Sample Number:		MB945003			MB943008			MB945005		
Site		GROUPI&II			GROUPI&II			GROUPI&II		
Locator		49W020			49W021			49W021		
Collect Date:		25-SEP-96			26-SEP-96			26-SEP-96		
		VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
Dibromomethane		-	ug/l		5 U	ug/l	5	-	ug/l	
1,2-Dichlorobenzene		-	ug/l		5 U	ug/l	5	-	ug/l	
2-Chloroethylvinyl ether		-	ug/l		10 U	ug/l	10	-	ug/l	
Ethyl methacrylate		-	ug/l		5 U	ug/l	5	-	ug/l	
1,2,3-Trichloropropane		-	ug/l		5 U	ug/l	5	-	ug/l	
trans-1,4-Dichloro-2-butene		-	ug/l		5 U	ug/l	5	-	ug/l	
Isobutyl alcohol		-	ug/l		200 U	ug/l	200	-	ug/l	
1,1,1,2-Tetrachloroethane		-	ug/l		5 U	ug/l	5	-	ug/l	
1,2-Dibromo-3-chloropropane		-	ug/l		10 U	ug/l	10	-	ug/l	
Ethylene dibromide		-	ug/l		5 U	ug/l	5	-	ug/l	
1,4-Dioxane		-	ug/l		200 R	ug/l	200	-	ug/l	
3-Chloropropene		-	ug/l		5 U	ug/l	5	-	ug/l	
Acetonitrile		-	ug/l		100 U	ug/l	100	-	ug/l	
Chloroprene		-	ug/l		5 U	ug/l	5	-	ug/l	
Methacrylonitrile		-	ug/l		5 U	ug/l	5	-	ug/l	
Methyl methacrylate		-	ug/l		10 U	ug/l	10	-	ug/l	
Pentachloroethane		-	ug/l		10 U	ug/l	10	-	ug/l	
Propionitrile		-	ug/l		100 U	ug/l	100	-	ug/l	
Vinyl acetate		-	ug/l		10 U	ug/l	10	-	ug/l	
SEMIVOLATILES	ug/l									
N-Nitrosodimethylamine		-	ug/l		10 U	ug/l	10	-	ug/l	
Phenol		-	ug/l		10 U	ug/l	10	-	ug/l	
Aniline		-	ug/l		10 U	ug/l	10	-	ug/l	
bis(2-Chloroethyl) ether		-	ug/l		10 U	ug/l	10	-	ug/l	
Benzyl Alcohol		-	ug/l		10 U	ug/l	10	-	ug/l	
2-Methylphenol		-	ug/l		10 U	ug/l	10	-	ug/l	
bis(2-Chloroisopropyl) ether		-	ug/l		10 U	ug/l	10	-	ug/l	
N-Nitroso-di-n-propylamine		-	ug/l		10 U	ug/l	10	-	ug/l	
Hexachloroethane		-	ug/l		10 U	ug/l	10	-	ug/l	
Nitrobenzene		-	ug/l		10 U	ug/l	10	-	ug/l	
Isophorone		-	ug/l		10 U	ug/l	10	-	ug/l	
2-Nitrophenol		-	ug/l		10 U	ug/l	10	-	ug/l	
2,4-Dimethylphenol		-	ug/l		10 U	ug/l	10	-	ug/l	
Benzoic acid		-	ug/l		50 UJ	ug/l	50	-	ug/l	
bis(2-Chloroethoxy) methane		-	ug/l		10 U	ug/l	10	-	ug/l	
2,4-Dichlorophenol		-	ug/l		10 U	ug/l	10	-	ug/l	
1,2,4-Trichlorobenzene		-	ug/l		10 U	ug/l	10	-	ug/l	
Naphthalene		-	ug/l		10 U	ug/l	10	-	ug/l	
4-Chloroaniline		-	ug/l		10 U	ug/l	10	-	ug/l	
Hexachlorobutadiene		-	ug/l		10 U	ug/l	10	-	ug/l	
4-Chloro-3-methylphenol		-	ug/l		10 U	ug/l	10	-	ug/l	
2-Methylnaphthalene		-	ug/l		10 U	ug/l	10	-	ug/l	
Hexachlorocyclopentadiene		-	ug/l		10 U	ug/l	10	-	ug/l	
2,4,6-Trichlorophenol		-	ug/l		10 U	ug/l	10	-	ug/l	
Dimethylphthalate		-	ug/l		10 U	ug/l	10	-	ug/l	
2,4,5-Trichlorophenol		-	ug/l		50 U	ug/l	50	-	ug/l	
2-Chloronaphthalene		-	ug/l		10 U	ug/l	10	-	ug/l	
2-Nitroaniline		-	ug/l		50 U	ug/l	50	-	ug/l	
Acenaphthylene		-	ug/l		10 U	ug/l	10	-	ug/l	
2,6-Dinitrotoluene		-	ug/l		10 U	ug/l	10	-	ug/l	
3-Nitroaniline		-	ug/l		50 U	ug/l	50	-	ug/l	

US Naval Station, Mayport, Florida
Analytical Results for Surface Water Samples Collected at SWMU 49

Lab Sample Number:	MB945003				MB943008				MB945005			
Site	GROUPI&II				GROUPI&II				GROUPI&II			
Locator	49W020				49W021				49W021			
Collect Date:	25-SEP-96				26-SEP-96				26-SEP-96			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Acenaphthene	-		ug/l		10	U	ug/l	10	-		ug/l	
2,4-Dinitrophenol	-		ug/l		50	U	ug/l	50	-		ug/l	
4-Nitrophenol	-		ug/l		50	U	ug/l	50	-		ug/l	
Dibenzofuran	-		ug/l		10	U	ug/l	10	-		ug/l	
2,4-Dinitrotoluene	-		ug/l		10	U	ug/l	10	-		ug/l	
Diethylphthalate	-		ug/l		10	U	ug/l	10	-		ug/l	
4-Chlorophenyl-phenylether	-		ug/l		10	U	ug/l	10	-		ug/l	
Fluorene	-		ug/l		10	U	ug/l	10	-		ug/l	
4-Nitroaniline	-		ug/l		50	U	ug/l	50	-		ug/l	
4,6-Dinitro-2-methylphenol	-		ug/l		50	U	ug/l	50	-		ug/l	
N-Nitrosodiphenylamine	-		ug/l		10	U	ug/l	10	-		ug/l	
1,2-Diphenylhydrazine	-		ug/l		10	U	ug/l	10	-		ug/l	
4-Bromophenyl-phenylether	-		ug/l		10	U	ug/l	10	-		ug/l	
Hexachlorobenzene	-		ug/l		10	U	ug/l	10	-		ug/l	
Pentachlorophenol	-		ug/l		50	U	ug/l	50	-		ug/l	
Phenanthrene	-		ug/l		10	U	ug/l	10	-		ug/l	
Anthracene	-		ug/l		10	U	ug/l	10	-		ug/l	
Di-n-Butylphthalate	-		ug/l		10	U	ug/l	10	-		ug/l	
Fluoranthene	-		ug/l		10	U	ug/l	10	-		ug/l	
Pyrene	-		ug/l		10	U	ug/l	10	-		ug/l	
Butylbenzylphthalate	-		ug/l		10	U	ug/l	10	-		ug/l	
3,3-Dichlorobenzidine	-		ug/l		20	U	ug/l	20	-		ug/l	
Benzo (a) anthracene	-		ug/l		10	U	ug/l	10	-		ug/l	
Chrysene	-		ug/l		10	U	ug/l	10	-		ug/l	
bis(2-Ethylhexyl) phthalate	-		ug/l		10	U	ug/l	10	-		ug/l	
Di-n-octylphthalate	-		ug/l		10	U	ug/l	10	-		ug/l	
Benzo (b) fluoranthene	-		ug/l		10	U	ug/l	10	-		ug/l	
Benzo (k) fluoranthene	-		ug/l		10	U	ug/l	10	-		ug/l	
Benzo (a) pyrene	-		ug/l		10	U	ug/l	10	-		ug/l	
Indeno (1,2,3-cd) pyrene	-		ug/l		10	U	ug/l	10	-		ug/l	
Dibenzo (a,h) anthracene	-		ug/l		10	U	ug/l	10	-		ug/l	
Benzo (g,h,i) perylene	-		ug/l		10	U	ug/l	10	-		ug/l	
2-Picoline	-		ug/l		50	U	ug/l	50	-		ug/l	
Methyl methanesulfonate	-		ug/l		10	U	ug/l	10	-		ug/l	
Ethyl methanesulfonate	-		ug/l		10	U	ug/l	10	-		ug/l	
Acetophenone	-		ug/l		10	U	ug/l	10	-		ug/l	
N-Nitrosopiperidine	-		ug/l		10	UJ	ug/l	10	-		ug/l	
Phenyl-tert-butylamine	-		ug/l		50	U	ug/l	50	-		ug/l	
2,6-Dichlorophenol	-		ug/l		10	U	ug/l	10	-		ug/l	
N-Nitroso-di-n-butylamine	-		ug/l		10	U	ug/l	10	-		ug/l	
N-Nitrosodiethylamine	-		ug/l		10	U	ug/l	10	-		ug/l	
N-Nitrosopyrrolidine	-		ug/l		10	U	ug/l	10	-		ug/l	
Benzidine	-		ug/l		50	U	ug/l	50	-		ug/l	
1,2,4,5-Tetrachlorobenzene	-		ug/l		50	U	ug/l	50	-		ug/l	
Pentachlorobenzene	-		ug/l		50	U	ug/l	50	-		ug/l	
1-Naphthylamine	-		ug/l		50	U	ug/l	50	-		ug/l	
2-Naphthylamine	-		ug/l		50	U	ug/l	50	-		ug/l	
2,3,4,6-Tetrachlorophenol	-		ug/l		10	U	ug/l	10	-		ug/l	
Phenacetin	-		ug/l		10	U	ug/l	10	-		ug/l	
4-Aminobiphenyl	-		ug/l		50	U	ug/l	50	-		ug/l	
Pentachloronitrobenzene	-		ug/l		50	U	ug/l	50	-		ug/l	
Pronamide	-		ug/l		10	U	ug/l	10	-		ug/l	

US Naval Station, Mayport, Florida
Analytical Results for Surface Water Samples Collected at SWMU 49

Lab Sample Number:		MB945003			MB943008			MB945005		
Site		GROUPI&II			GROUPI&II			GROUPI&II		
Locator		49W020			49W021			49W021		
Collect Date:		25-SEP-96			26-SEP-96			26-SEP-96		
		VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
p-Dimethylaminoazobenzene		-	ug/l		10 U	ug/l	10	-	ug/l	
7,12-Dimethylbenz(A)Anthracene		-	ug/l		10 U	ug/l	10	-	ug/l	
3-Methylcholanthrene		-	ug/l		10 U	ug/l	10	-	ug/l	
Pyridine		-	ug/l		50 U	ug/l	50	-	ug/l	
N-Nitrosomethylethylamine		-	ug/l		10 U	ug/l	10	-	ug/l	
N-Nitrosomorpholine		-	ug/l		10 U	ug/l	10	-	ug/l	
o-Toluidine		-	ug/l		10 U	ug/l	10	-	ug/l	
Hexachloropropene		-	ug/l		50 U	ug/l	50	-	ug/l	
p-Phenylenediamine		-	ug/l		500 U	ug/l	500	-	ug/l	
Safrole		-	ug/l		50 U	ug/l	50	-	ug/l	
Isosafrole		-	ug/l		50 U	ug/l	50	-	ug/l	
1,4-Naphthoquinone		-	ug/l		1000 U	ug/l	1000	-	ug/l	
1,3-Dinitrobenzene		-	ug/l		10 UJ	ug/l	10	-	ug/l	
5-Nitro-o-toluidine		-	ug/l		10 U	ug/l	10	-	ug/l	
1,3,5-Trinitrobenzene		-	ug/l		10 U	ug/l	10	-	ug/l	
4-Nitroquinoline-1-oxide		-	ug/l		500 UJ	ug/l	500	-	ug/l	
Methapyrilene		-	ug/l		50 U	ug/l	50	-	ug/l	
3,3-Dimethylbenzidine		-	ug/l		10 U	ug/l	10	-	ug/l	
Hexachlorophene		-	ug/l		500 UJ	ug/l	500	-	ug/l	
Aramite		-	ug/l		50 U	ug/l	50	-	ug/l	
2-Chlorophenol		-	ug/l		10 U	ug/l	10	-	ug/l	
3- & 4-Methylphenol (2)		-	ug/l		10 U	ug/l	10	-	ug/l	
Hexachloropropene		-	ug/l		50 U	ug/l	50	-	ug/l	
2-Acetylaminofluorene		-	ug/l		10 U	ug/l	10	-	ug/l	
PESTICIDES/PCBs	ug/l									
alpha-BHC		-	ug/l		.02 U	ug/l	.02	-	ug/l	
beta-BHC		-	ug/l		.04 U	ug/l	.04	-	ug/l	
delta-BHC		-	ug/l		.02 U	ug/l	.02	-	ug/l	
gamma-BHC (Lindane)		-	ug/l		.02 U	ug/l	.02	-	ug/l	
Heptachlor		-	ug/l		.02 U	ug/l	.02	-	ug/l	
Aldrin		-	ug/l		.02 U	ug/l	.02	-	ug/l	
Heptachlor epoxide		-	ug/l		.02 U	ug/l	.02	-	ug/l	
Endosulfan I		-	ug/l		.02 U	ug/l	.02	-	ug/l	
Dieldrin		-	ug/l		.02 U	ug/l	.02	-	ug/l	
4,4-DDE		-	ug/l		.02 U	ug/l	.02	-	ug/l	
Endrin		-	ug/l		.04 U	ug/l	.04	-	ug/l	
Endosulfan II		-	ug/l		.04 U	ug/l	.04	-	ug/l	
4,4-DDD		-	ug/l		.04 U	ug/l	.04	-	ug/l	
Endosulfan sulfate		-	ug/l		.04 U	ug/l	.04	-	ug/l	
4,4-DDT		-	ug/l		.04 U	ug/l	.04	-	ug/l	
Methoxychlor		-	ug/l		.08 U	ug/l	.08	-	ug/l	
Endrin aldehyde		-	ug/l		.04 U	ug/l	.04	-	ug/l	
Endrin ketone		-	ug/l		.04 U	ug/l	.04	-	ug/l	
Chlordane		-	ug/l		.2 U	ug/l	.2	-	ug/l	
Chlorobenzilate		-	ug/l		.5 U	ug/l	.5	-	ug/l	
Diallate		-	ug/l		1 U	ug/l	1	-	ug/l	
Toxaphene		-	ug/l		1 U	ug/l	1	-	ug/l	
Isodrin		-	ug/l		.02 U	ug/l	.02	-	ug/l	
Kepone		-	ug/l		1 UJ	ug/l	1	-	ug/l	
Aroclor-1016		-	ug/l		1 U	ug/l	1	-	ug/l	
Aroclor-1221		-	ug/l		2 U	ug/l	2	-	ug/l	

US Naval Station, Mayport, Florida
Analytical Results for Surface Water Samples Collected at SWMU 49

Lab Sample Number:		MB945003			MB943008			MB945005		
Site		GROUPI&II			GROUPI&II			GROUPI&II		
Locator		49W020			49W021			49W021		
Collect Date:		25-SEP-96			26-SEP-96			26-SEP-96		
		VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
Aroclor-1232		-	ug/l		2 U	ug/l	2	-	ug/l	
Aroclor-1242		-	ug/l		1 U	ug/l	1	-	ug/l	
Aroclor-1248		-	ug/l		1 U	ug/l	1	-	ug/l	
Aroclor-1254		-	ug/l		.5 U	ug/l	.5	-	ug/l	
Aroclor-1260		-	ug/l		.5 U	ug/l	.5	-	ug/l	
INORGANICS (WATER)	ug/l									
Antimony		-	ug/l		3.4 U	ug/l	3.4	-	ug/l	
Arsenic		-	ug/l		5.2 U	ug/l	5.2	-	ug/l	
Barium		-	ug/l		11.9 J	ug/l	.18	-	ug/l	
Beryllium		-	ug/l		.11 U	ug/l	.11	-	ug/l	
Cadmium		-	ug/l		.38 U	ug/l	.38	-	ug/l	
Calcium		-	ug/l		-	ug/l		-	ug/l	
Chromium		-	ug/l		1.5 J	ug/l	.34	-	ug/l	
Cobalt		-	ug/l		.76 UJ	ug/l	.76	-	ug/l	
Copper		-	ug/l		17.4 UJ	ug/l	17.4	-	ug/l	
Cyanide		-	ug/l		.88 U	ug/l	.88	-	ug/l	
Iron		-	ug/l		-	ug/l		-	ug/l	
Lead		-	ug/l		6.4 UJ	ug/l	6.4	-	ug/l	
Magnesium		-	ug/l		-	ug/l		-	ug/l	
Manganese		-	ug/l		-	ug/l		-	ug/l	
Mercury		-	ug/l		.07 UJ	ug/l	.07	-	ug/l	
Nickel		-	ug/l		2.7 UJ	ug/l	2.7	-	ug/l	
Selenium		-	ug/l		3.9 U	ug/l	3.9	-	ug/l	
Silver		-	ug/l		.85 U	ug/l	.85	-	ug/l	
Sodium		-	ug/l		-	ug/l		-	ug/l	
Thallium		-	ug/l		1.9 U	ug/l	1.9	-	ug/l	
Tin		-	ug/l		98.2	ug/l	6.8	-	ug/l	
Vanadium		-	ug/l		4.9 J	ug/l	.59	-	ug/l	
Zinc		-	ug/l		75.1 UJ	ug/l	75.1	-	ug/l	
GROUND WATER QUALITY	mg/l									
Alkalinity as CaCO3		180	mg/l	3	-	mg/l		104	mg/l	3
Ammonia-N		.2 U	mg/l	.2	-	mg/l		.2 U	mg/l	.2
Chloride		128	mg/l	10	-	mg/l		94.6	mg/l	10
Hardness as CaCO3		290	mg/l	3	-	mg/l		234	mg/l	3
Nitrate/Nitrite-N		-	mg/l		-	mg/l		-	mg/l	
Oil and Grease		-	mg/l		-	mg/l		-	mg/l	
Phosphorous-P, Total		.1	mg/l	.05	-	mg/l		.09	mg/l	.05
Sulfate		21.5	mg/l	2	-	mg/l		12.2	mg/l	2
Sulfide		.1 U	mg/l	.1	-	mg/l		.1 U	mg/l	.1
Total Dissolved Solids		456	mg/l	10	-	mg/l		303	mg/l	10
Total Kjeldahl Nitrogen		1.4	mg/l	.1	-	mg/l		1.7	mg/l	.1
Total Organic Carbon		6.3	mg/l	1	-	mg/l		5.7	mg/l	1

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.

SOLID WASTE MANAGEMENT UNIT 50

US Naval Station, Mayport, Florida
Analytical Results for Sediment Samples collected at SWMU 50

Lab Sample Number:		M7637009			M7637009			MB944005			MC040004		
Site		GROUPI&II			GROUPI&II			GROUPI&II			GROUPI&II		
Locator		02SD036			02SD036			50D01301			50D01401		
Collect Date:		01-AUG-94			01-AUG-94			26-SEP-96			01-OCT-96		
		VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
VOLATILES	ug/kg												
Chloromethane		38 U	ug/kg	38	38 U	ug/kg	38	48 U	ug/kg	48	23 U	ug/kg	23
Bromomethane		38 UJ	ug/kg		38 UJ	ug/kg		48 U	ug/kg	48	23 U	ug/kg	23
Vinyl chloride		38 U	ug/kg	38	38 U	ug/kg	38	48 U	ug/kg	48	23 U	ug/kg	23
Chloroethane		38 U	ug/kg	38	38 U	ug/kg	38	48 U	ug/kg	48	23 U	ug/kg	23
Methylene chloride		19 U	ug/kg	19	19 U	ug/kg	19	24 U	ug/kg	24	4 J	ug/kg	12
Acetone		450 J	ug/kg		450 J	ug/kg		570	ug/kg	48	76 U	ug/kg	76
Carbon disulfide		71	ug/kg		71	ug/kg		48	ug/kg	24	4 J	ug/kg	12
1,1-Dichloroethane		19 U	ug/kg	19	19 U	ug/kg	19	24 U	ug/kg	24	12 U	ug/kg	12
1,1-Dichloroethene		19 U	ug/kg	19	19 U	ug/kg	19	24 U	ug/kg	24	12 U	ug/kg	12
1,2-Dichloroethene (total)		19 U	ug/kg	19	19 U	ug/kg	19	24 U	ug/kg	24	12 U	ug/kg	12
Chloroform		19 U	ug/kg	19	19 U	ug/kg	19	24 U	ug/kg	24	12 U	ug/kg	12
1,2-Dichloroethane		19 U	ug/kg	19	19 U	ug/kg	19	24 U	ug/kg	24	12 U	ug/kg	12
2-Butanone		78 J	ug/kg		78 J	ug/kg		100	ug/kg	48	23 J	ug/kg	23
1,1,1-Trichloroethane		19 U	ug/kg	19	19 U	ug/kg	19	24 U	ug/kg	24	12 U	ug/kg	12
Carbon tetrachloride		19 U	ug/kg	19	19 U	ug/kg	19	24 U	ug/kg	24	12 U	ug/kg	12
Bromodichloromethane		19 U	ug/kg	19	19 U	ug/kg	19	24 U	ug/kg	24	12 U	ug/kg	12
1,2-Dichloropropane		19 U	ug/kg	19	19 U	ug/kg	19	24 U	ug/kg	24	12 U	ug/kg	12
cis-1,3-Dichloropropene		19 U	ug/kg	19	19 U	ug/kg	19	24 U	ug/kg	24	12 U	ug/kg	12
Trichloroethene		19 U	ug/kg	19	19 U	ug/kg	19	24 U	ug/kg	24	12 U	ug/kg	12
Dibromochloromethane		19 U	ug/kg	19	19 U	ug/kg	19	24 U	ug/kg	24	12 U	ug/kg	12
1,1,2-Trichloroethane		19 U	ug/kg	19	19 U	ug/kg	19	24 U	ug/kg	24	12 U	ug/kg	12
Benzene		19 U	ug/kg	19	19 U	ug/kg	19	24 U	ug/kg	24	12 U	ug/kg	12
trans-1,3-Dichloropropene		19 U	ug/kg	19	19 U	ug/kg	19	24 U	ug/kg	24	12 U	ug/kg	12
Bromoform		19 U	ug/kg	19	19 U	ug/kg	19	24 U	ug/kg	24	12 U	ug/kg	12
4-Methyl-2-pentanone		38 U	ug/kg	38	38 U	ug/kg	38	48 U	ug/kg	48	23 U	ug/kg	23
2-Hexanone		38 U	ug/kg	38	38 U	ug/kg	38	48 U	ug/kg	48	23 UJ	ug/kg	23
Tetrachloroethene		19 U	ug/kg	19	19 U	ug/kg	19	24 U	ug/kg	24	12 U	ug/kg	12
1,1,2,2-Tetrachloroethane		19 U	ug/kg	19	19 U	ug/kg	19	24 U	ug/kg	24	12 UJ	ug/kg	12
Toluene		19 U	ug/kg	19	19 U	ug/kg	19	24 U	ug/kg	24	12 U	ug/kg	12
Chlorobenzene		19 U	ug/kg	19	19 U	ug/kg	19	24 U	ug/kg	24	12 U	ug/kg	12
Ethylbenzene		19 U	ug/kg	19	19 U	ug/kg	19	24 U	ug/kg	24	12 U	ug/kg	12
Styrene		19 U	ug/kg	19	19 U	ug/kg	19	24 U	ug/kg	24	12 U	ug/kg	12
Xylenes (total)		19 U	ug/kg	19	19 U	ug/kg	19	24 U	ug/kg	24	12 U	ug/kg	12
Dichlorodifluoromethane		38 U	ug/kg	38	38 U	ug/kg	38	48 U	ug/kg	48	23 U	ug/kg	23
Trichlorofluoromethane		19 U	ug/kg	19	19 U	ug/kg	19	24 U	ug/kg	24	12 U	ug/kg	12
1,3-Dichlorobenzene		19 U	ug/kg	19	19 U	ug/kg	19	24 U	ug/kg	24	12 U	ug/kg	12
Acrolein		380 U	ug/kg	380	380 U	ug/kg	380	480 U	ug/kg	480	230 U	ug/kg	230
Iodomethane		38 U	ug/kg	38	38 U	ug/kg	38	48 U	ug/kg	48	23 U	ug/kg	23
1,4-Dichlorobenzene		19 U	ug/kg	19	19 U	ug/kg	19	24 U	ug/kg	24	12 U	ug/kg	12
Acrylonitrile		380 U	ug/kg	380	380 U	ug/kg	380	480 U	ug/kg	480	230 U	ug/kg	230
Dibromomethane		19 U	ug/kg	19	19 U	ug/kg	19	24 U	ug/kg	24	12 U	ug/kg	12
1,2-Dichlorobenzene		19 U	ug/kg	19	19 U	ug/kg	19	24 U	ug/kg	24	12 U	ug/kg	12
2-Chloroethylvinyl ether		38 U	ug/kg	38	38 U	ug/kg	38	48 U	ug/kg	48	23 U	ug/kg	23
Ethyl methacrylate		19 U	ug/kg	19	19 U	ug/kg	19	24 U	ug/kg	24	12 U	ug/kg	12
1,2,3-Trichloropropane		19 U	ug/kg	19	19 U	ug/kg	19	24 U	ug/kg	24	12 U	ug/kg	12
trans-1,4-Dichloro-2-butene		19 U	ug/kg	19	19 U	ug/kg	19	24 U	ug/kg	24	12 U	ug/kg	12
Isobutyl alcohol		770 U	ug/kg	770	770 U	ug/kg	770	950 U	ug/kg	950	460 UJ	ug/kg	460
1,1,1,2-Tetrachloroethane		19 U	ug/kg	19	19 U	ug/kg	19	24 U	ug/kg	24	12 U	ug/kg	12
1,2-Dibromo-3-chloropropane		400 U	ug/kg	400	400 U	ug/kg	400	48 U	ug/kg	48	23 U	ug/kg	23
Ethylene dibromide		19 U	ug/kg	19	19 U	ug/kg	19	24 U	ug/kg	24	12 U	ug/kg	12

US Naval Station, Mayport, Florida
Analytical Results for Sediment Samples collected at SWMU 50

Lab Sample Number:		M7637009				M7637009				MB944005				MC040004			
Site		GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator		02SD036				02SD036				50D01301				50D01401			
Collect Date:		01-AUG-94				01-AUG-94				26-SEP-96				01-OCT-96			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
1,4-Dioxane		770	R	ug/kg		770	R	ug/kg		950	R	ug/kg	950	460	R	ug/kg	460
3-Chloropropene		19	U	ug/kg	19	19	U	ug/kg	19	24	U	ug/kg	24	12	U	ug/kg	12
Acetonitrile		380	U	ug/kg	380	380	U	ug/kg	380	480	U	ug/kg	480	230	UJ	ug/kg	230
Chloroprene		770	U	ug/kg	770	770	U	ug/kg	770	950	U	ug/kg	950	460	U	ug/kg	460
Methacrylonitrile		19	U	ug/kg	19	19	U	ug/kg	19	24	U	ug/kg	24	12	U	ug/kg	12
Methyl methacrylate		38	U	ug/kg	38	38	U	ug/kg	38	48	U	ug/kg	48	23	U	ug/kg	23
Pentachloroethane		38	U	ug/kg	38	38	U	ug/kg	38	48	U	ug/kg	48	23	U	ug/kg	23
Propionitrile		380	U	ug/kg	380	380	U	ug/kg	380	480	U	ug/kg	480	230	UJ	ug/kg	230
Vinyl acetate		38	U	ug/kg	38	38	U	ug/kg	38	48	U	ug/kg	48	23	U	ug/kg	23
SEMIVOLATILES	ug/kg																
N-Nitrosodimethylamine		5000	U	ug/kg	5000	5000	U	ug/kg	5000	1600	U	ug/kg	1600	710	UJ	ug/kg	710
Phenol		5000	U	ug/kg	5000	5000	U	ug/kg	5000	1600	U	ug/kg	1600	710	UJ	ug/kg	710
Aniline		5000	UJ	ug/kg		5000	UJ	ug/kg		1600	U	ug/kg	1600	710	UJ	ug/kg	710
bis(2-Chloroethyl) ether		5000	U	ug/kg	5000	5000	U	ug/kg	5000	1600	U	ug/kg	1600	710	UJ	ug/kg	710
Benzyl Alcohol		5000	U	ug/kg	5000	5000	U	ug/kg	5000	1600	U	ug/kg	1600	710	UJ	ug/kg	710
2-Methylphenol		5000	U	ug/kg	5000	5000	U	ug/kg	5000	1600	U	ug/kg	1600	710	UJ	ug/kg	710
bis(2-Chloroisopropyl) ether		5000	UJ	ug/kg		5000	UJ	ug/kg		1600	U	ug/kg	1600	710	UJ	ug/kg	710
N-Nitroso-di-n-propylamine		5000	U	ug/kg	5000	5000	U	ug/kg	5000	1600	U	ug/kg	1600	710	UJ	ug/kg	710
Hexachloroethane		5000	U	ug/kg	5000	5000	U	ug/kg	5000	1600	U	ug/kg	1600	710	UJ	ug/kg	710
Nitrobenzene		5000	U	ug/kg	5000	5000	U	ug/kg	5000	1600	U	ug/kg	1600	710	UJ	ug/kg	710
Isophorone		5000	U	ug/kg	5000	5000	U	ug/kg	5000	1600	U	ug/kg	1600	710	UJ	ug/kg	710
2-Nitrophenol		5000	U	ug/kg	5000	5000	U	ug/kg	5000	1600	U	ug/kg	1600	710	UJ	ug/kg	710
2,4-Dimethylphenol		5000	U	ug/kg	5000	5000	U	ug/kg	5000	1600	U	ug/kg	1600	710	UJ	ug/kg	710
Benzoic acid		25000	UJ	ug/kg		25000	UJ	ug/kg		7800	U	ug/kg	7800	3500	UJ	ug/kg	3500
bis(2-Chloroethoxy) methane		5000	U	ug/kg	5000	5000	U	ug/kg	5000	1600	U	ug/kg	1600	710	UJ	ug/kg	710
2,4-Dichlorophenol		5000	U	ug/kg	5000	5000	U	ug/kg	5000	1600	U	ug/kg	1600	710	UJ	ug/kg	710
1,2,4-Trichlorobenzene		5000	U	ug/kg	5000	5000	U	ug/kg	5000	1600	U	ug/kg	1600	710	UJ	ug/kg	710
Naphthalene		5000	U	ug/kg	5000	5000	U	ug/kg	5000	1600	U	ug/kg	1600	710	UJ	ug/kg	710
4-Chloroaniline		5000	U	ug/kg	5000	5000	U	ug/kg	5000	1600	U	ug/kg	1600	710	UJ	ug/kg	710
Hexachlorobutadiene		5000	U	ug/kg	5000	5000	U	ug/kg	5000	1600	U	ug/kg	1600	710	UJ	ug/kg	710
4-Chloro-3-methylphenol		5000	U	ug/kg	5000	5000	U	ug/kg	5000	1600	U	ug/kg	1600	710	UJ	ug/kg	710
2-Methylnaphthalene		5000	U	ug/kg	5000	5000	U	ug/kg	5000	1600	U	ug/kg	1600	710	UJ	ug/kg	710
Hexachlorocyclopentadiene		5000	U	ug/kg	5000	5000	U	ug/kg	5000	1600	U	ug/kg	1600	710	UJ	ug/kg	710
2,4,6-Trichlorophenol		5000	U	ug/kg	5000	5000	U	ug/kg	5000	1600	U	ug/kg	1600	710	UJ	ug/kg	710
Dimethylphthalate		5000	U	ug/kg	5000	5000	U	ug/kg	5000	1600	U	ug/kg	1600	710	UJ	ug/kg	710
2,4,5-Trichlorophenol		25000	U	ug/kg	25000	25000	U	ug/kg	25000	7800	U	ug/kg	7800	3500	UJ	ug/kg	3500
2-Chloronaphthalene		5000	U	ug/kg	5000	5000	U	ug/kg	5000	1600	U	ug/kg	1600	710	UJ	ug/kg	710
2-Nitroaniline		25000	U	ug/kg	25000	25000	U	ug/kg	25000	7800	U	ug/kg	7800	3500	UJ	ug/kg	3500
Acenaphthylene		5000	U	ug/kg	5000	5000	U	ug/kg	5000	1600	U	ug/kg	1600	710	UJ	ug/kg	710
2,6-Dinitrotoluene		5000	U	ug/kg	5000	5000	U	ug/kg	5000	1600	U	ug/kg	1600	710	UJ	ug/kg	710
3-Nitroaniline		25000	U	ug/kg	25000	25000	U	ug/kg	25000	7800	U	ug/kg	7800	3500	UJ	ug/kg	3500
Acenaphthene		5000	U	ug/kg	5000	5000	U	ug/kg	5000	1600	U	ug/kg	1600	710	UJ	ug/kg	710
2,4-Dinitrophenol		25000	U	ug/kg	25000	25000	U	ug/kg	25000	7800	U	ug/kg	7800	3500	UJ	ug/kg	3500
4-Nitrophenol		25000	U	ug/kg	25000	25000	U	ug/kg	25000	7800	U	ug/kg	7800	3500	UJ	ug/kg	3500
Dibenzofuran		5000	U	ug/kg	5000	5000	U	ug/kg	5000	1600	U	ug/kg	1600	710	UJ	ug/kg	710
2,4-Dinitrotoluene		5000	U	ug/kg	5000	5000	U	ug/kg	5000	1600	U	ug/kg	1600	710	UJ	ug/kg	710
Diethylphthalate		5000	U	ug/kg	5000	5000	U	ug/kg	5000	1600	U	ug/kg	1600	710	UJ	ug/kg	710
4-Chlorophenyl-phenylether		5000	U	ug/kg	5000	5000	U	ug/kg	5000	1600	U	ug/kg	1600	710	UJ	ug/kg	710
Fluorene		5000	U	ug/kg	5000	5000	U	ug/kg	5000	1600	U	ug/kg	1600	710	UJ	ug/kg	710
4-Nitroaniline		25000	U	ug/kg	25000	25000	U	ug/kg	25000	7800	U	ug/kg	7800	3500	UJ	ug/kg	3500
4,6-Dinitro-2-methylphenol		25000	U	ug/kg	25000	25000	U	ug/kg	25000	7800	U	ug/kg	7800	3500	UJ	ug/kg	3500

US Naval Station, Mayport, Florida
Analytical Results for Sediment Samples collected at SWMU 50

Lab Sample Number:	M7637009				M7637009				MB944005				MC040004		
Site	GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II		
Locator	02SD036				02SD036				50D01301				50D01401		
Collect Date:	01-AUG-94				01-AUG-94				26-SEP-96				01-OCT-96		
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
N-Nitrosodiphenylamine	5000	U	ug/kg	5000	5000	U	ug/kg	5000	1600	U	ug/kg	1600	710	UJ	ug/kg	710
1,2-Diphenylhydrazine	5000	UJ	ug/kg		5000	UJ	ug/kg		1600	U	ug/kg	1600	710	UJ	ug/kg	710
4-Bromophenyl-phenylether	5000	U	ug/kg	5000	5000	U	ug/kg	5000	1600	U	ug/kg	1600	710	UJ	ug/kg	710
Hexachlorobenzene	5000	U	ug/kg	5000	5000	U	ug/kg	5000	1600	U	ug/kg	1600	710	UJ	ug/kg	710
Pentachlorophenol	25000	U	ug/kg	25000	25000	U	ug/kg	25000	7800	U	ug/kg	7800	3500	UJ	ug/kg	3500
Phenanthrene	5000	U	ug/kg	5000	5000	U	ug/kg	5000	1600	U	ug/kg	1600	710	UJ	ug/kg	710
Anthracene	5000	U	ug/kg	5000	5000	U	ug/kg	5000	1600	U	ug/kg	1600	710	UJ	ug/kg	710
Di-n-Butylphthalate	5000	U	ug/kg	5000	5000	U	ug/kg	5000	1600	U	ug/kg	1600	710	UJ	ug/kg	710
Fluoranthene	5000	U	ug/kg	5000	5000	U	ug/kg	5000	1600	U	ug/kg	1600	710	UJ	ug/kg	710
Pyrene	5000	U	ug/kg	5000	5000	U	ug/kg	5000	1600	U	ug/kg	1600	710	UJ	ug/kg	710
Butylbenzylphthalate	5000	U	ug/kg	5000	5000	U	ug/kg	5000	1600	U	ug/kg	1600	710	UJ	ug/kg	710
3,3-Dichlorobenzidine	10000	U	ug/kg	10000	10000	U	ug/kg	10000	3200	U	ug/kg	3200	1400	UJ	ug/kg	1400
Benzo (a) anthracene	5000	U	ug/kg	5000	5000	U	ug/kg	5000	1600	U	ug/kg	1600	710	UJ	ug/kg	710
Chrysene	5000	U	ug/kg	5000	5000	U	ug/kg	5000	1600	U	ug/kg	1600	710	UJ	ug/kg	710
bis(2-Ethylhexyl) phthalate	5000	U	ug/kg	5000	5000	U	ug/kg	5000	290	J	ug/kg	1600	620	J	ug/kg	710
Di-n-octylphthalate	5000	U	ug/kg	5000	5000	U	ug/kg	5000	1600	U	ug/kg	1600	710	UJ	ug/kg	710
Benzo (b) fluoranthene	5000	U	ug/kg	5000	5000	U	ug/kg	5000	1600	U	ug/kg	1600	710	UJ	ug/kg	710
Benzo (k) fluoranthene	5000	U	ug/kg	5000	5000	U	ug/kg	5000	1600	U	ug/kg	1600	710	UJ	ug/kg	710
Benzo (a) pyrene	5000	U	ug/kg	5000	5000	U	ug/kg	5000	1600	U	ug/kg	1600	710	UJ	ug/kg	710
Indeno (1,2,3-cd) pyrene	5000	U	ug/kg	5000	5000	U	ug/kg	5000	1600	U	ug/kg	1600	710	UJ	ug/kg	710
Dibenzo (a,h) anthracene	5000	U	ug/kg	5000	5000	U	ug/kg	5000	1600	U	ug/kg	1600	710	UJ	ug/kg	710
Benzo (g,h,i) perylene	5000	U	ug/kg	5000	5000	U	ug/kg	5000	1600	U	ug/kg	1600	710	UJ	ug/kg	710
2-Picoline	25000	U	ug/kg	25000	25000	U	ug/kg	25000	7800	U	ug/kg	7800	3500	UJ	ug/kg	3500
Methyl methanesulfonate	5000	U	ug/kg	5000	5000	U	ug/kg	5000	1600	U	ug/kg	1600	710	UJ	ug/kg	710
Ethyl methanesulfonate	5000	U	ug/kg	5000	5000	U	ug/kg	5000	1600	U	ug/kg	1600	710	UJ	ug/kg	710
Acetophenone	5000	U	ug/kg	5000	5000	U	ug/kg	5000	1600	U	ug/kg	1600	710	UJ	ug/kg	710
N-Nitrosopiperidine	5000	U	ug/kg	5000	5000	U	ug/kg	5000	1600	UJ	ug/kg	1600	710	UJ	ug/kg	710
Phenyl-tert-butylamine	25000	U	ug/kg	25000	25000	U	ug/kg	25000	7800	U	ug/kg	7800	3500	UJ	ug/kg	3500
2,6-Dichlorophenol	5000	U	ug/kg	5000	5000	U	ug/kg	5000	1600	U	ug/kg	1600	710	UJ	ug/kg	710
N-Nitroso-di-n-butylamine	5000	U	ug/kg	5000	5000	U	ug/kg	5000	1600	U	ug/kg	1600	710	UJ	ug/kg	710
N-Nitrosodiethylamine	5000	U	ug/kg	5000	5000	U	ug/kg	5000	1600	U	ug/kg	1600	710	UJ	ug/kg	710
N-Nitrosopyrrolidine	5000	U	ug/kg	5000	5000	U	ug/kg	5000	1600	U	ug/kg	1600	710	UJ	ug/kg	710
Benzidine	25000	U	ug/kg	25000	25000	U	ug/kg	25000	7800	U	ug/kg	7800	3500	UJ	ug/kg	3500
1,2,4,5-Tetrachlorobenzene	25000	U	ug/kg	25000	25000	U	ug/kg	25000	7800	U	ug/kg	7800	3500	UJ	ug/kg	3500
Pentachlorobenzene	25000	U	ug/kg	25000	25000	U	ug/kg	25000	7800	U	ug/kg	7800	3500	UJ	ug/kg	3500
1-Naphthylamine	25000	U	ug/kg	25000	25000	U	ug/kg	25000	7800	U	ug/kg	7800	3500	UJ	ug/kg	3500
2-Naphthylamine	25000	U	ug/kg	25000	25000	U	ug/kg	25000	7800	U	ug/kg	7800	3500	UJ	ug/kg	3500
2,3,4,6-Tetrachlorophenol	5000	U	ug/kg	5000	5000	U	ug/kg	5000	1600	U	ug/kg	1600	710	UJ	ug/kg	710
Phenacetin	5000	U	ug/kg	5000	5000	U	ug/kg	5000	1600	U	ug/kg	1600	710	UJ	ug/kg	710
4-Aminobiphenyl	25000	U	ug/kg	25000	25000	U	ug/kg	25000	7800	U	ug/kg	7800	3500	UJ	ug/kg	3500
Pentachloronitrobenzene	25000	U	ug/kg	25000	25000	U	ug/kg	25000	7800	U	ug/kg	7800	3500	UJ	ug/kg	3500
Pronamide	5000	U	ug/kg	5000	5000	U	ug/kg	5000	1600	U	ug/kg	1600	710	UJ	ug/kg	710
p-Dimethylaminoazobenzene	5000	U	ug/kg	5000	5000	U	ug/kg	5000	1600	U	ug/kg	1600	710	UJ	ug/kg	710
7,12-Dimethylbenz(A)Anthracene	5000	U	ug/kg	5000	5000	U	ug/kg	5000	1600	U	ug/kg	1600	710	UJ	ug/kg	710
3-Methylcholanthrene	5000	U	ug/kg	5000	5000	U	ug/kg	5000	1600	U	ug/kg	1600	710	UJ	ug/kg	710
Pyridine	25000	U	ug/kg	25000	25000	U	ug/kg	25000	7800	U	ug/kg	7800	3500	UJ	ug/kg	3500
N-Nitrosomethylethylamine	5000	U	ug/kg	5000	5000	U	ug/kg	5000	1600	U	ug/kg	1600	710	UJ	ug/kg	710
N-Nitrosomorpholine	5000	U	ug/kg	5000	5000	U	ug/kg	5000	1600	U	ug/kg	1600	710	UJ	ug/kg	710
o-Toluidine	5000	U	ug/kg	5000	5000	U	ug/kg	5000	1600	U	ug/kg	1600	710	UJ	ug/kg	710
Hexachloropropene	25000	U	ug/kg	25000	25000	U	ug/kg	25000	7800	U	ug/kg	7800	3500	UJ	ug/kg	3500
p-Phenylenediamine	250000	U	ug/kg	250000	250000	U	ug/kg	250000	78000	U	ug/kg	78000	35000	R	ug/kg	35000
Safrole	25000	U	ug/kg	25000	25000	U	ug/kg	25000	7800	U	ug/kg	7800	3500	UJ	ug/kg	3500

US Naval Station, Mayport, Florida
Analytical Results for Sediment Samples collected at SWMU 50

Lab Sample Number:		M7637009				M7637009				MB944005				MC040004			
Site		GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator		02SD036				02SD036				50D01301				50D01401			
Collect Date:		01-AUG-94				01-AUG-94				26-SEP-96				01-OCT-96			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Isosafrole		25000	U	ug/kg	25000	25000	U	ug/kg	25000	7800	U	ug/kg	7800	3500	UJ	ug/kg	3500
1,4-Naphthoquinone		500000	U	ug/kg	500000	500000	U	ug/kg	500000	160000	U	ug/kg	160000	71000	UJ	ug/kg	71000
1,3-Dinitrobenzene		5000	U	ug/kg	5000	5000	U	ug/kg	5000	1600	UJ	ug/kg	1600	710	UJ	ug/kg	710
5-Nitro-o-toluidine		5000	U	ug/kg	5000	5000	U	ug/kg	5000	1600	U	ug/kg	1600	710	UJ	ug/kg	710
1,3,5-Trinitrobenzene		5000	U	ug/kg	5000	5000	U	ug/kg	5000	1600	U	ug/kg	1600	710	UJ	ug/kg	710
4-Nitroquinoline-1-oxide		250000	U	ug/kg	250000	250000	U	ug/kg	250000	78000	U	ug/kg	78000	35000	UJ	ug/kg	35000
Methapyrilene		25000	U	ug/kg	25000	25000	U	ug/kg	25000	7800	U	ug/kg	7800	3500	UJ	ug/kg	3500
3,3-Dimethylbenzidine		5000	U	ug/kg	5000	5000	U	ug/kg	5000	1600	U	ug/kg	1600	710	UJ	ug/kg	710
Hexachlorophene		250000	UJ	ug/kg		250000	UJ	ug/kg		78000	U	ug/kg	78000	35000	R	ug/kg	35000
Aramite		25000	U	ug/kg	25000	25000	U	ug/kg	25000	7800	U	ug/kg	7800	3500	R	ug/kg	3500
2-Chlorophenol		5000	U	ug/kg	5000	5000	U	ug/kg	5000	1600	U	ug/kg	1600	710	UJ	ug/kg	710
3- & 4-Methylphenol (2)		5000	U	ug/kg	5000	5000	U	ug/kg	5000	1600	U	ug/kg	1600	710	UJ	ug/kg	710
Hexachloropropene		25000	U	ug/kg	25000	25000	U	ug/kg	25000	7800	U	ug/kg	7800	3500	UJ	ug/kg	3500
2-Acetylaminofluorene		5000	U	ug/kg	5000	5000	U	ug/kg	5000	1600	U	ug/kg	1600	710	UJ	ug/kg	710
PESTICIDES/PCBs	ug/kg																
alpha-BHC		2	U	ug/kg	2	2	U	ug/kg	2	16	U	ug/kg	16	5.7	U	ug/kg	5.7
beta-BHC		3.9	U	ug/kg	3.9	3.9	U	ug/kg	3.9	31	U	ug/kg	31	11	U	ug/kg	11
delta-BHC		2	U	ug/kg	2	2	U	ug/kg	2	16	U	ug/kg	16	5.7	U	ug/kg	5.7
gamma-BHC (Lindane)		2	U	ug/kg	2	2	U	ug/kg	2	16	U	ug/kg	16	5.7	U	ug/kg	5.7
Heptachlor		2	U	ug/kg	2	2	U	ug/kg	2	16	U	ug/kg	16	5.7	U	ug/kg	5.7
Aldrin		2	U	ug/kg	2	2	U	ug/kg	2	16	U	ug/kg	16	5.7	U	ug/kg	5.7
Heptachlor epoxide		2	U	ug/kg	2	2	U	ug/kg	2	16	U	ug/kg	16	5.7	U	ug/kg	5.7
Endosulfan I		2	U	ug/kg	2	2	U	ug/kg	2	16	U	ug/kg	16	5.7	U	ug/kg	5.7
Dieldrin		2	U	ug/kg	2	2	U	ug/kg	2	16	U	ug/kg	16	5.7	U	ug/kg	5.7
4,4-DDE		2	U	ug/kg	2	2	U	ug/kg	2	16	U	ug/kg	16	5.7	U	ug/kg	5.7
Endrin		3.9	U	ug/kg	3.9	3.9	U	ug/kg	3.9	31	U	ug/kg	31	11	U	ug/kg	11
Endosulfan II		3.9	U	ug/kg	3.9	3.9	U	ug/kg	3.9	31	U	ug/kg	31	11	U	ug/kg	11
4,4-DDD		3.9	U	ug/kg	3.9	3.9	U	ug/kg	3.9	31	U	ug/kg	31	11	U	ug/kg	11
Endosulfan sulfate		3.9	U	ug/kg	3.9	3.9	U	ug/kg	3.9	31	U	ug/kg	31	11	U	ug/kg	11
4,4-DDT		3.9	U	ug/kg	3.9	3.9	U	ug/kg	3.9	31	U	ug/kg	31	11	U	ug/kg	11
Methoxychlor		8.2	U	ug/kg	8.2	8.2	U	ug/kg	8.2	64	U	ug/kg	64	23	U	ug/kg	23
Endrin aldehyde		3.9	U	ug/kg	3.9	3.9	U	ug/kg	3.9	31	U	ug/kg	31	11	U	ug/kg	11
Endrin ketone		3.9	U	ug/kg	3.9	3.9	U	ug/kg	3.9	31	U	ug/kg	31	11	U	ug/kg	11
Chlordane		20	U	ug/kg	20	20	U	ug/kg	20	160	U	ug/kg	160	57	U	ug/kg	57
Chlorobenzilate		61	U	ug/kg	61	61	U	ug/kg	61	480	U	ug/kg	480	170	U	ug/kg	170
Diallate		120	U	ug/kg	120	120	U	ug/kg	120	950	U	ug/kg	950	340	U	ug/kg	340
Toxaphene		100	U	ug/kg	100	100	U	ug/kg	100	790	U	ug/kg	790	280	U	ug/kg	280
Isodrin		2	U	ug/kg	2	2	U	ug/kg	2	16	U	ug/kg	16	5.7	U	ug/kg	5.7
Kepone		120	U	ug/kg	120	120	U	ug/kg	120	190	UJ	ug/kg	190	90	UJ	ug/kg	90
Aroclor-1016		100	U	ug/kg	100	100	U	ug/kg	100	790	U	ug/kg	790	280	U	ug/kg	280
Aroclor-1221		200	U	ug/kg	200	200	U	ug/kg	200	1600	U	ug/kg	1600	570	U	ug/kg	570
Aroclor-1232		200	U	ug/kg	200	200	U	ug/kg	200	1600	U	ug/kg	1600	570	U	ug/kg	570
Aroclor-1242		100	U	ug/kg	100	100	U	ug/kg	100	790	U	ug/kg	790	280	U	ug/kg	280
Aroclor-1248		100	U	ug/kg	100	100	U	ug/kg	100	790	U	ug/kg	790	280	U	ug/kg	280
Aroclor-1254		52	U	ug/kg	52	52	U	ug/kg	52	400	U	ug/kg	400	140	U	ug/kg	140
Aroclor-1260		52	U	ug/kg	52	52	U	ug/kg	52	400	U	ug/kg	400	140	U	ug/kg	140
INORGANICS (SOIL)	mg/kg																
Antimony		1.4	U	mg/kg	1.4	1.4	U	mg/kg	1.4	1.6	U	mg/kg	1.6	.78	U	mg/kg	.78
Arsenic		10.9		mg/kg		10.9		mg/kg		7	U	mg/kg	7	5		mg/kg	3.4
Barium		20.7	J	mg/kg		20.7	J	mg/kg		13.3	J	mg/kg	.17	15	J	mg/kg	.081

US Naval Station, Mayport, Florida
Analytical Results for Sediment Samples collected at SWMU 50

Lab Sample Number:	M7637009				M7637009				MB944005				MC040004			
Site	GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator	02SD036				02SD036				50D01301				50D01401			
Collect Date:	01-AUG-94				01-AUG-94				26-SEP-96				01-OCT-96			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Beryllium	.88	J	mg/kg		.88	J	mg/kg		.58	J	mg/kg	.052	.65	J	mg/kg	.025
Cadmium	1.9	U	mg/kg	1.9	1.9	U	mg/kg	1.9	1.6	U	mg/kg	1.6	.76	U	mg/kg	.76
Chromium	31.8		mg/kg		31.8		mg/kg		21.3	J	mg/kg	1	23	J	mg/kg	.51
Cobalt	4	J	mg/kg		4	J	mg/kg		2.6	J	mg/kg	.15	2.7	J	mg/kg	.074
Copper	16.4		mg/kg		16.4		mg/kg		9.8	J	mg/kg	.79	9.7		mg/kg	.39
Cyanide	.32	J	mg/kg		.32	J	mg/kg		.41	UJ	mg/kg	.41	.2	UJ	mg/kg	.2
Lead	18.5	J	mg/kg		18.5	J	mg/kg		9.6		mg/kg	7.4	14.9		mg/kg	3.6
Mercury	.11	U	mg/kg	.11	.11	U	mg/kg	.11	.11	J	mg/kg	.029	.11	J	mg/kg	.014
Nickel	9.1	J	mg/kg		9.1	J	mg/kg		6.1	J	mg/kg	.58	4.4	J	mg/kg	.29
Selenium	1.1	J	mg/kg		1.1	J	mg/kg		13.9	U	mg/kg	13.9	6.8	U	mg/kg	6.8
Silver	1.3	U	mg/kg	1.3	1.3	U	mg/kg	1.3	1.1	J	mg/kg	1	.51	U	mg/kg	.51
Thallium	.8	U	mg/kg	.8	.8	U	mg/kg	.8	.92	UJ	mg/kg	.92	.45	UJ	mg/kg	.45
Tin	10.3	J	mg/kg		10.3	J	mg/kg		85.4		mg/kg	3.2	9.7	J	mg/kg	1.6
Vanadium	39.7		mg/kg		39.7		mg/kg		26.1		mg/kg	.28	25.6		mg/kg	.13
Zinc	58.2		mg/kg		58.2		mg/kg		35.3		mg/kg	.44	37.4		mg/kg	.21

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.

US Naval Station, Mayport, Florida
Analytical Results for Surface Water sample Collected at SWMU 50

Lab Sample Number:		M7637004				M7638014				M7637004				M7638014		
Site		GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II		
Locator		02SW036				02SW036				02SW036				02SW036		
Collect Date:		01-AUG-94				01-AUG-94				01-AUG-94				01-AUG-94		
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
VOLATILES	ug/l																
Chloromethane		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Bromomethane		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Vinyl chloride		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Chloroethane		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Methylene chloride		5		ug/l		-		ug/l		5		ug/l		-		ug/l	
Acetone		26	U	ug/l	26	-		ug/l		26	U	ug/l	26	-		ug/l	
Carbon disulfide		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
1,1-Dichloroethane		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
1,1-Dichloroethene		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
1,2-Dichloroethene (total)		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
Chloroform		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
1,2-Dichloroethane		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
2-Butanone		5	J	ug/l		-		ug/l		5	J	ug/l		-		ug/l	
1,1,1-Trichloroethane		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
Carbon tetrachloride		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
Bromodichloromethane		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
1,2-Dichloropropane		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
cis-1,3-Dichloropropene		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
Trichloroethene		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
Dibromochloromethane		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
1,1,2-Trichloroethane		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
Benzene		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
trans-1,3-Dichloropropene		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
Bromoform		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
4-Methyl-2-pentanone		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
2-Hexanone		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Tetrachloroethene		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
1,1,2,2-Tetrachloroethane		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
Toluene		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
Chlorobenzene		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
Ethylbenzene		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
Styrene		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
Xylenes (total)		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
Dichlorodifluoromethane		10	UJ	ug/l		-		ug/l		10	UJ	ug/l		-		ug/l	
Trichlorofluoromethane		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
1,3-Dichlorobenzene		5	U	ug/l	5	-		ug/l		10	U	ug/l	10	-		ug/l	
Acrolein		100	U	ug/l	100	-		ug/l		100	U	ug/l	100	-		ug/l	
Iodomethane		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
1,4-Dichlorobenzene		5	U	ug/l	5	-		ug/l		10	U	ug/l	10	-		ug/l	
Acrylonitrile		100	U	ug/l	100	-		ug/l		100	U	ug/l	100	-		ug/l	
Dibromomethane		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
1,2-Dichlorobenzene		10	U	ug/l	10	-		ug/l		5	U	ug/l	5	-		ug/l	
2-Chloroethylvinyl ether		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Ethyl methacrylate		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
1,2,3-Trichloropropane		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
trans-1,4-Dichloro-2-butene		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
Isobutyl alcohol		200	U	ug/l	200	-		ug/l		200	U	ug/l	200	-		ug/l	
1,1,1,2-Tetrachloroethane		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
1,2-Dibromo-3-chloropropane		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Ethylene dibromide		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	

US Naval Station, Mayport, Florida
Analytical Results for Surface Water sample Collected at SWMU 50

Lab Sample Number:		M7637004				M7638014				M7637004				M7638014		
Site		GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II		
Locator		02SW036				02SW036				02SW036				02SW036		
Collect Date:		01-AUG-94				01-AUG-94				01-AUG-94				01-AUG-94		
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
1,4-Dioxane		200	R	ug/l		-		ug/l		200	R	ug/l		-		ug/l	
3-Chloropropene		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
Acetonitrile		100	U	ug/l	100	-		ug/l		100	U	ug/l	100	-		ug/l	
Chloroprene		200	U	ug/l	200	-		ug/l		200	U	ug/l	200	-		ug/l	
Methacrylonitrile		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
Methyl methacrylate		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Pentachloroethane		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Propionitrile		100	U	ug/l	100	-		ug/l		100	U	ug/l	100	-		ug/l	
Vinyl acetate		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
SEMIVOLATILES	ug/l																
N-Nitrosodimethylamine		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Phenol		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Aniline		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
bis(2-Chloroethyl) ether		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Benzyl Alcohol		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
2-Methylphenol		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
bis(2-Chloroisopropyl) ether		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
N-Nitroso-di-n-propylamine		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Hexachloroethane		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Nitrobenzene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Isophorone		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
2-Nitrophenol		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
2,4-Dimethylphenol		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Benzoic acid		50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
bis(2-Chloroethoxy) methane		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
2,4-Dichlorophenol		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
1,2,4-Trichlorobenzene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Naphthalene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
4-Chloroaniline		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Hexachlorobutadiene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
4-Chloro-3-methylphenol		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
2-Methylnaphthalene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Hexachlorocyclopentadiene		10	UJ	ug/l		-		ug/l		10	UJ	ug/l		-		ug/l	
2,4,6-Trichlorophenol		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Dimethylphthalate		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
2,4,5-Trichlorophenol		50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
2-Chloronaphthalene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
2-Nitroaniline		50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
Acenaphthylene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
2,6-Dinitrotoluene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
3-Nitroaniline		50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
Acenaphthene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
2,4-Dinitrophenol		50	UJ	ug/l		-		ug/l		50	UJ	ug/l		-		ug/l	
4-Nitrophenol		50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
Dibenzofuran		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
2,4-Dinitrotoluene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Diethylphthalate		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
4-Chlorophenyl-phenylether		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Fluorene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
4-Nitroaniline		50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
4,6-Dinitro-2-methylphenol		50	UJ	ug/l		-		ug/l		50	UJ	ug/l		-		ug/l	

US Naval Station, Mayport, Florida
Analytical Results for Surface Water sample Collected at SWMU 50

Lab Sample Number:	M7637004				M7638014				M7637004				M7638014			
Site	GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator	02SW036				02SW036				02SW036				02SW036			
Collect Date:	01-AUG-94				01-AUG-94				01-AUG-94				01-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
N-Nitrosodiphenylamine	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
1,2-Diphenylhydrazine	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
4-Bromophenyl-phenylether	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Hexachlorobenzene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Pentachlorophenol	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
Phenanthrene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Anthracene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Di-n-Butylphthalate	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Fluoranthene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Pyrene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Butylbenzylphthalate	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
3,3-Dichlorobenzidine	20	UJ	ug/l		-		ug/l		20	UJ	ug/l		-		ug/l	
Benzo (a) anthracene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Chrysene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
bis(2-Ethylhexyl) phthalate	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Di-n-octylphthalate	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Benzo (b) fluoranthene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Benzo (k) fluoranthene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Benzo (a) pyrene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Indeno (1,2,3-cd) pyrene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Dibenzo (a,h) anthracene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Benzo (g,h,i) perylene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
2-Picoline	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
Methyl methanesulfonate	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Ethyl methanesulfonate	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Acetophenone	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
N-Nitrosopiperidine	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Phenyl-tert-butylamine	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
2,6-Dichlorophenol	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
N-Nitroso-di-n-butylamine	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
N-Nitrosodiethylamine	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
N-Nitrosopyrrolidine	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Benzidine	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
1,2,4,5-Tetrachlorobenzene	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
Pentachlorobenzene	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
1-Naphthylamine	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
2-Naphthylamine	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
2,3,4,6-Tetrachlorophenol	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Phenacetin	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
4-Aminobiphenyl	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
Pentachloronitrobenzene	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
Pronamide	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
p-Dimethylaminoazobenzene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
7,12-Dimethylbenz(A)Anthracene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
3-Methylcholanthrene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Pyridine	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
N-Nitrosomethylethylamine	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
N-Nitrosomorpholine	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
o-Toluidine	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Hexachloropropene	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
p-Phenylenediamine	500	UJ	ug/l		-		ug/l		500	UJ	ug/l		-		ug/l	
Safrole	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	

US Naval Station, Mayport, Florida
Analytical Results for Surface Water sample Collected at SWMU 50

Lab Sample Number:		M7637004				M7638014				M7637004				M7638014		
Site		GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II		
Locator		02SW036				02SW036				02SW036				02SW036		
Collect Date:		01-AUG-94				01-AUG-94				01-AUG-94				01-AUG-94		
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Isosafrole		50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
1,4-Naphthoquinone		1000	U	ug/l	1000	-		ug/l		1000	U	ug/l	1000	-		ug/l	
1,3-Dinitrobenzene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
5-Nitro-o-toluidine		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
1,3,5-Trinitrobenzene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
4-Nitroquinoline-1-oxide		500	R	ug/l		-		ug/l		500	R	ug/l		-		ug/l	
Methapyrilene		50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
3,3-Dimethylbenzidine		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Hexachlorophene		500	R	ug/l		-		ug/l		500	R	ug/l		-		ug/l	
Aramite		50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
2-Chlorophenol		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
3- & 4-Methylphenol (2)		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Hexachloropropene		50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
2-Acetylaminofluorene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
PESTICIDES/PCBs	ug/l																
alpha-BHC		.02	U	ug/l	.02	-		ug/l		.02	U	ug/l	.02	-		ug/l	
beta-BHC		.04	U	ug/l	.04	-		ug/l		.04	U	ug/l	.04	-		ug/l	
delta-BHC		.02	U	ug/l	.02	-		ug/l		.02	U	ug/l	.02	-		ug/l	
gamma-BHC (Lindane)		.02	U	ug/l	.02	-		ug/l		.02	U	ug/l	.02	-		ug/l	
Heptachlor		.02	U	ug/l	.02	-		ug/l		.02	U	ug/l	.02	-		ug/l	
Aldrin		.02	U	ug/l	.02	-		ug/l		.02	U	ug/l	.02	-		ug/l	
Heptachlor epoxide		.02	U	ug/l	.02	-		ug/l		.02	U	ug/l	.02	-		ug/l	
Endosulfan I		.02	U	ug/l	.02	-		ug/l		.02	U	ug/l	.02	-		ug/l	
Dieldrin		.02	U	ug/l	.02	-		ug/l		.02	U	ug/l	.02	-		ug/l	
4,4-DDE		.02	U	ug/l	.02	-		ug/l		.02	U	ug/l	.02	-		ug/l	
Endrin		.04	U	ug/l	.04	-		ug/l		.04	U	ug/l	.04	-		ug/l	
Endosulfan II		.04	U	ug/l	.04	-		ug/l		.04	U	ug/l	.04	-		ug/l	
4,4-DDD		.04	U	ug/l	.04	-		ug/l		.04	U	ug/l	.04	-		ug/l	
Endosulfan sulfate		.04	U	ug/l	.04	-		ug/l		.04	U	ug/l	.04	-		ug/l	
4,4-DDT		.04	U	ug/l	.04	-		ug/l		.04	U	ug/l	.04	-		ug/l	
Methoxychlor		.08	U	ug/l	.08	-		ug/l		.08	U	ug/l	.08	-		ug/l	
Endrin aldehyde		.04	U	ug/l	.04	-		ug/l		.04	U	ug/l	.04	-		ug/l	
Endrin ketone		.04	U	ug/l	.04	-		ug/l		.04	U	ug/l	.04	-		ug/l	
Chlordane		.2	U	ug/l	.2	-		ug/l		.2	U	ug/l	.2	-		ug/l	
Chlorobenzilate		.5	U	ug/l	.5	-		ug/l		.5	U	ug/l	.5	-		ug/l	
Diallate		1	U	ug/l	1	-		ug/l		1	U	ug/l	1	-		ug/l	
Toxaphene		1	U	ug/l	1	-		ug/l		1	U	ug/l	1	-		ug/l	
Isodrin		.02	U	ug/l	.02	-		ug/l		.02	U	ug/l	.02	-		ug/l	
Kepone		1	U	ug/l	1	-		ug/l		1	U	ug/l	1	-		ug/l	
Aroclor-1016		1	U	ug/l	1	-		ug/l		1	U	ug/l	1	-		ug/l	
Aroclor-1221		2	U	ug/l	2	-		ug/l		2	U	ug/l	2	-		ug/l	
Aroclor-1232		2	U	ug/l	2	-		ug/l		2	U	ug/l	2	-		ug/l	
Aroclor-1242		1	U	ug/l	1	-		ug/l		1	U	ug/l	1	-		ug/l	
Aroclor-1248		1	U	ug/l	1	-		ug/l		1	U	ug/l	1	-		ug/l	
Aroclor-1254		.5	U	ug/l	.5	-		ug/l		.5	U	ug/l	.5	-		ug/l	
Aroclor-1260		.5	U	ug/l	.5	-		ug/l		.5	U	ug/l	.5	-		ug/l	
INORGANICS (WATER)	ug/l																
Antimony		22.3	UJ	ug/l		-		ug/l		22.3	UJ	ug/l		-		ug/l	
Arsenic		22.6	J	ug/l		-		ug/l		22.6	J	ug/l		-		ug/l	
Barium		20.6	J	ug/l		-		ug/l		20.6	J	ug/l		-		ug/l	

US Naval Station, Mayport, Florida
Analytical Results for Surface Water sample Collected at SWMU 50

Lab Sample Number:		M7637004				M7638014				M7637004				M7638014			
Site		GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator		02SW036				02SW036				02SW036				02SW036			
Collect Date:		01-AUG-94				01-AUG-94				01-AUG-94				01-AUG-94			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Beryllium		.18	U	ug/l	.18	-		ug/l		.18	U	ug/l	.18	-		ug/l	
Cadmium		3	UJ	ug/l		-		ug/l		3	UJ	ug/l		-		ug/l	
Calcium		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Chromium		2	U	ug/l	2	-		ug/l		2	U	ug/l	2	-		ug/l	
Cobalt		2.7	UJ	ug/l		-		ug/l		2.7	UJ	ug/l		-		ug/l	
Copper		9.3	J	ug/l		-		ug/l		9.3	J	ug/l		-		ug/l	
Cyanide		.32	U	ug/l	.32	-		ug/l		.32	U	ug/l	.32	-		ug/l	
Iron		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Lead		20.5	UJ	ug/l		-		ug/l		20.5	UJ	ug/l		-		ug/l	
Magnesium		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Manganese		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Mercury		.34		ug/l		-		ug/l		.34		ug/l		-		ug/l	
Nickel		7.3	UJ	ug/l		-		ug/l		7.3	UJ	ug/l		-		ug/l	
Selenium		25.1	J	ug/l		-		ug/l		25.1	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		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Thallium		13	UJ	ug/l		-		ug/l		13	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		6.5	J	ug/l		-		ug/l		6.5	J	ug/l		-		ug/l	
Zinc		31.5		ug/l		-		ug/l		31.5		ug/l		-		ug/l	
GROUND WATER QUALITY	mg/l																
Alkalinity as CaCO3		-		mg/l		129		mg/l		-		mg/l		129		mg/l	
Ammonia-N		-		mg/l		.3	U	mg/l	.3	-		mg/l		.3	U	mg/l	.3
Chloride		-		mg/l		15600		mg/l		-		mg/l		15600		mg/l	
Hardness as CaCO3		-		mg/l		3690		mg/l		-		mg/l		-		mg/l	
Nitrate/Nitrite-N		-		mg/l		-		mg/l		-		mg/l		-		mg/l	
Oil and Grease		-		mg/l		-		mg/l		-		mg/l		-		mg/l	
Phosphorous-P, Total		-		mg/l		1.22		mg/l		-		mg/l		1.22		mg/l	
Sulfate		-		mg/l		821		mg/l		-		mg/l		821		mg/l	
Sulfide		-		mg/l		1.4		mg/l		-		mg/l		1.4		mg/l	
Total Dissolved Solids		-		mg/l		-		mg/l		-		mg/l		-		mg/l	
Total Kjeldahl Nitrogen		-		mg/l		6.5		mg/l		-		mg/l		6.5		mg/l	
Total Organic Carbon		-		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.

US Naval Station, Mayport, Florida
Analytical Results for Surface Water sample Collected at SWMU 50

Lab Sample Number:		MB943007				MB945004				MC014002				MC015001		
Site		GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II		
Locator		50W013				50W013				50W014				50W014		
Collect Date:		26-SEP-96				26-SEP-96				01-OCT-96				01-OCT-96		
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
VOLATILES	ug/l																
Chloromethane		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Bromomethane		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Vinyl chloride		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Chloroethane		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Methylene chloride		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
Acetone		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Carbon disulfide		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
1,1-Dichloroethane		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
1,1-Dichloroethene		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
1,2-Dichloroethene (total)		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
Chloroform		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
1,2-Dichloroethane		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
2-Butanone		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
1,1,1-Trichloroethane		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
Carbon tetrachloride		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
Bromodichloromethane		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
1,2-Dichloropropane		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
cis-1,3-Dichloropropene		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
Trichloroethene		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
Dibromochloromethane		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
1,1,2-Trichloroethane		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
Benzene		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
trans-1,3-Dichloropropene		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
Bromoform		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
4-Methyl-2-pentanone		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
2-Hexanone		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Tetrachloroethene		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
1,1,2,2-Tetrachloroethane		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
Toluene		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
Chlorobenzene		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
Ethylbenzene		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
Styrene		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
Xylenes (total)		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
Dichlorodifluoromethane		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Trichlorofluoromethane		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
1,3-Dichlorobenzene		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
Acrolein		100	U	ug/l	100	-		ug/l		100	U	ug/l	100	-		ug/l	
Iodomethane		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
1,4-Dichlorobenzene		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
Acrylonitrile		100	U	ug/l	100	-		ug/l		100	U	ug/l	100	-		ug/l	

US Naval Station, Mayport, Florida
Analytical Results for Surface Water sample Collected at SWMU 50

Lab Sample Number:		MB943007				MB945004				MC014002				MC015001		
Site		GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II		
Locator		50W013				50W013				50W014				50W014		
Collect Date:		26-SEP-96				26-SEP-96				01-OCT-96				01-OCT-96		
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Dibromomethane		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
1,2-Dichlorobenzene		5	U	ug/l	5	-		ug/l		10	U	ug/l	10	-		ug/l	
2-Chloroethylvinyl ether		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Ethyl methacrylate		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
1,2,3-Trichloropropane		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
trans-1,4-Dichloro-2-butene		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
Isobutyl alcohol		200	U	ug/l	200	-		ug/l		200	R	ug/l	200	-		ug/l	
1,1,1,2-Tetrachloroethane		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
1,2-Dibromo-3-chloropropane		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Ethylene dibromide		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
1,4-Dioxane		200	R	ug/l	200	-		ug/l		200	R	ug/l	200	-		ug/l	
3-Chloropropene		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
Acetonitrile		100	U	ug/l	100	-		ug/l		100	U	ug/l	100	-		ug/l	
Chloroprene		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
Methacrylonitrile		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
Methyl methacrylate		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Pentachloroethane		10	U	ug/l	10	-		ug/l		10	UJ	ug/l	10	-		ug/l	
Propionitrile		100	U	ug/l	100	-		ug/l		100	U	ug/l	100	-		ug/l	
Vinyl acetate		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
SEMIVOLATILES	ug/l																
N-Nitrosodimethylamine		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Phenol		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Aniline		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
bis(2-Chloroethyl) ether		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Benzyl Alcohol		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
2-Methylphenol		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
bis(2-Chloroisopropyl) ether		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
N-Nitroso-di-n-propylamine		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Hexachloroethane		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Nitrobenzene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Isophorone		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
2-Nitrophenol		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
2,4-Dimethylphenol		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Benzoic acid		50	UJ	ug/l	50	-		ug/l		50	UJ	ug/l	50	-		ug/l	
bis(2-Chloroethoxy) methane		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
2,4-Dichlorophenol		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
1,2,4-Trichlorobenzene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Naphthalene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
4-Chloroaniline		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Hexachlorobutadiene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
4-Chloro-3-methylphenol		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
2-Methylnaphthalene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Hexachlorocyclopentadiene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
2,4,6-Trichlorophenol		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Dimethylphthalate		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
2,4,5-Trichlorophenol		50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
2-Chloronaphthalene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
2-Nitroaniline		50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
Acenaphthylene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
2,6-Dinitrotoluene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
3-Nitroaniline		50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	

US Naval Station, Mayport, Florida
Analytical Results for Surface Water sample Collected at SWMU 50

Lab Sample Number:	MB943007				MB945004				MC014002				MC015001			
Site	GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator	50W013				50W013				50W014				50W014			
Collect Date:	26-SEP-96				26-SEP-96				01-OCT-96				01-OCT-96			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Acenaphthene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
2,4-Dinitrophenol	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
4-Nitrophenol	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
Dibenzofuran	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
2,4-Dinitrotoluene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Diethylphthalate	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
4-Chlorophenyl-phenylether	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Fluorene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
4-Nitroaniline	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
4,6-Dinitro-2-methylphenol	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
N-Nitrosodiphenylamine	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
1,2-Diphenylhydrazine	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
4-Bromophenyl-phenylether	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Hexachlorobenzene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Pentachlorophenol	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
Phenanthrene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Anthracene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Di-n-Butylphthalate	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Fluoranthene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Pyrene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Butylbenzylphthalate	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
3,3-Dichlorobenzidine	20	U	ug/l	20	-		ug/l		20	U	ug/l	20	-		ug/l	
Benzo (a) anthracene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Chrysene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
bis(2-Ethylhexyl) phthalate	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Di-n-octylphthalate	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Benzo (b) fluoranthene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Benzo (k) fluoranthene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Benzo (a) pyrene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Indeno (1,2,3-cd) pyrene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Dibenzo (a,h) anthracene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Benzo (g,h,i) perylene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
2-Picoline	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
Methyl methanesulfonate	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Ethyl methanesulfonate	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Acetophenone	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
N-Nitrosopiperidine	10	UJ	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Phenyl-tert-butylamine	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
2,6-Dichlorophenol	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
N-Nitroso-di-n-butylamine	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
N-Nitrosodiethylamine	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
N-Nitrosopyrrolidine	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Benzidine	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
1,2,4,5-Tetrachlorobenzene	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
Pentachlorobenzene	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
1-Naphthylamine	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
2-Naphthylamine	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
2,3,4,6-Tetrachlorophenol	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Phenacetin	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
4-Aminobiphenyl	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
Pentachloronitrobenzene	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
Pronamide	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	

US Naval Station, Mayport, Florida
Analytical Results for Surface Water sample Collected at SWMU 50

Lab Sample Number:		MB943007				MB945004				MC014002				MC015001			
Site		GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II			
Locator		50W013				50W013				50W014				50W014			
Collect Date:		26-SEP-96				26-SEP-96				01-OCT-96				01-OCT-96			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
p-Dimethylaminoazobenzene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
7,12-Dimethylbenz(A)Anthracene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
3-Methylcholanthrene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Pyridine		50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
N-Nitrosomethylethylamine		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
N-Nitrosomorpholine		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
o-Toluidine		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Hexachloropropene		50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
p-Phenylenediamine		500	U	ug/l	500	-		ug/l		500	U	ug/l	500	-		ug/l	
Safrole		50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
Isosafrole		50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
1,4-Naphthoquinone		1000	U	ug/l	1000	-		ug/l		1000	U	ug/l	1000	-		ug/l	
1,3-Dinitrobenzene		10	UJ	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
5-Nitro-o-toluidine		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
1,3,5-Trinitrobenzene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
4-Nitroquinoline-1-oxide		500	UJ	ug/l	500	-		ug/l		500	U	ug/l	500	-		ug/l	
Methapyrilene		50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
3,3-Dimethylbenzidine		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Hexachlorophene		500	UJ	ug/l	500	-		ug/l		500	R	ug/l	500	-		ug/l	
Aramite		50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
2-Chlorophenol		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
3- & 4-Methylphenol (2)		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Hexachloropropene		50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
2-Acetylaminofluorene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
PESTICIDES/PCBs	ug/l																
alpha-BHC		.1	U	ug/l	.1	-		ug/l		.04	UJ	ug/l	.04	-		ug/l	
beta-BHC		.2	U	ug/l	.2	-		ug/l		.04	U	ug/l	.04	-		ug/l	
delta-BHC		.1	U	ug/l	.1	-		ug/l		.04	UJ	ug/l	.04	-		ug/l	
gamma-BHC (Lindane)		.1	U	ug/l	.1	-		ug/l		.02	U	ug/l	.02	-		ug/l	
Heptachlor		.1	U	ug/l	.1	-		ug/l		.02	U	ug/l	.02	-		ug/l	
Aldrin		.1	U	ug/l	.1	-		ug/l		.02	U	ug/l	.02	-		ug/l	
Heptachlor epoxide		.1	U	ug/l	.1	-		ug/l		.02	U	ug/l	.02	-		ug/l	
Endosulfan I		.1	U	ug/l	.1	-		ug/l		.02	U	ug/l	.02	-		ug/l	
Dieldrin		.1	U	ug/l	.1	-		ug/l		.02	U	ug/l	.02	-		ug/l	
4,4-DDE		.1	U	ug/l	.1	-		ug/l		.02	U	ug/l	.02	-		ug/l	
Endrin		.2	U	ug/l	.2	-		ug/l		.04	U	ug/l	.04	-		ug/l	
Endosulfan II		.2	U	ug/l	.2	-		ug/l		.04	U	ug/l	.04	-		ug/l	
4,4-DDD		.2	U	ug/l	.2	-		ug/l		.04	U	ug/l	.04	-		ug/l	
Endosulfan sulfate		.2	U	ug/l	.2	-		ug/l		.04	U	ug/l	.04	-		ug/l	
4,4-DDT		.2	U	ug/l	.2	-		ug/l		.04	U	ug/l	.04	-		ug/l	
Methoxychlor		.4	U	ug/l	.4	-		ug/l		.08	U	ug/l	.08	-		ug/l	
Endrin aldehyde		.2	U	ug/l	.2	-		ug/l		.04	U	ug/l	.04	-		ug/l	
Endrin ketone		.2	U	ug/l	.2	-		ug/l		.04	U	ug/l	.04	-		ug/l	
Chlordane		1	U	ug/l	1	-		ug/l		.2	U	ug/l	.2	-		ug/l	
Chlorobenzilate		2.5	U	ug/l	2.5	-		ug/l		.5	U	ug/l	.5	-		ug/l	
Diallate		5	U	ug/l	5	-		ug/l		1	U	ug/l	1	-		ug/l	
Toxaphene		5	U	ug/l	5	-		ug/l		1	U	ug/l	1	-		ug/l	
Isodrin		.1	U	ug/l	.1	-		ug/l		.02	U	ug/l	.02	-		ug/l	
Kepone		1	UJ	ug/l	1	-		ug/l		1	UJ	ug/l	1	-		ug/l	
Aroclor-1016		5	U	ug/l	5	-		ug/l		1	U	ug/l	1	-		ug/l	
Aroclor-1221		10	U	ug/l	10	-		ug/l		2	U	ug/l	2	-		ug/l	

US Naval Station, Mayport, Florida
Analytical Results for Surface Water sample Collected at SWMU 50

Lab Sample Number:		MB943007				MB945004				MC014002				MC015001		
Site		GROUPI&II				GROUPI&II				GROUPI&II				GROUPI&II		
Locator		50W013				50W013				50W014				50W014		
Collect Date:		26-SEP-96				26-SEP-96				01-OCT-96				01-OCT-96		
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Aroclor-1232		10	U	ug/l	10	-		ug/l		2	U	ug/l	2	-		ug/l	
Aroclor-1242		5	U	ug/l	5	-		ug/l		1	U	ug/l	1	-		ug/l	
Aroclor-1248		5	U	ug/l	5	-		ug/l		1	U	ug/l	1	-		ug/l	
Aroclor-1254		2.5	U	ug/l	2.5	-		ug/l		.5	U	ug/l	.5	-		ug/l	
Aroclor-1260		2.5	U	ug/l	2.5	-		ug/l		.5	U	ug/l	.5	-		ug/l	
INORGANICS (WATER)	ug/l																
Antimony		4.13	UJ	ug/l	4.13	-		ug/l		4.13	UJ	ug/l	4.13	-		ug/l	
Arsenic		34.5		ug/l	5.2	-		ug/l		34.2		ug/l	5.2	-		ug/l	
Barium		23.6	J	ug/l	.18	-		ug/l		21.5	J	ug/l	.18	-		ug/l	
Beryllium		.11	U	ug/l	.11	-		ug/l		.11	U	ug/l	.11	-		ug/l	
Cadmium		.38	U	ug/l	.38	-		ug/l		.38	U	ug/l	.38	-		ug/l	
Calcium		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Chromium		2.8	J	ug/l	.34	-		ug/l		.88	J	ug/l	.34	-		ug/l	
Cobalt		.32	U	ug/l	.32	-		ug/l		.32	U	ug/l	.32	-		ug/l	
Copper		14.7	UJ	ug/l	14.7	-		ug/l		14.7	UJ	ug/l	14.7	-		ug/l	
Cyanide		.88	U	ug/l	.88	-		ug/l		5.3	J	ug/l	.88	-		ug/l	
Iron		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Lead		1.8	U	ug/l	1.8	-		ug/l		2.4	UJ	ug/l	2.4	-		ug/l	
Magnesium		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Manganese		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Mercury		.08	UJ	ug/l	.08	-		ug/l		.07	UJ	ug/l	.07	-		ug/l	
Nickel		1.2	U	ug/l	1.2	-		ug/l		1.2	U	ug/l	1.2	-		ug/l	
Selenium		3.9	U	ug/l	3.9	-		ug/l		3.9	U	ug/l	3.9	-		ug/l	
Silver		.85	U	ug/l	.85	-		ug/l		.85	U	ug/l	.85	-		ug/l	
Sodium		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Thallium		2.4	UJ	ug/l	2.4	-		ug/l		1.9	U	ug/l	1.9	-		ug/l	
Tin		154		ug/l	6.8	-		ug/l		91.3		ug/l	6.8	-		ug/l	
Vanadium		2.6	J	ug/l	.59	-		ug/l		2.8	J	ug/l	.59	-		ug/l	
Zinc		54.1	UJ	ug/l	54.1	-		ug/l		46.7	UJ	ug/l	46.7	-		ug/l	
GROUND WATER QUALITY	mg/l																
Alkalinity as CaCO3		-		mg/l		85		mg/l	3	-		mg/l		235		mg/l	3
Ammonia-N		-		mg/l		1.7		mg/l	.2	-		mg/l		5.3		mg/l	.2
Chloride		-		mg/l		7980		mg/l	400	-		mg/l		9630		mg/l	800
Hardness as CaCO3		-		mg/l		264		mg/l	3	-		mg/l		2490		mg/l	3
Nitrate/Nitrite-N		-		mg/l		-		mg/l		-		mg/l		-		mg/l	
Oil and Grease		-		mg/l		-		mg/l		-		mg/l		-		mg/l	
Phosphorous-P, Total		-		mg/l		1.85		mg/l	.05	-		mg/l		1.76		mg/l	.05
Sulfate		-		mg/l		1220		mg/l	40	-		mg/l		583		mg/l	40
Sulfide		-		mg/l		.1	U	mg/l	.1	-		mg/l		.1	U	mg/l	.1
Total Dissolved Solids		-		mg/l		15000		mg/l	10	-		mg/l		16500		mg/l	10
Total Kjeldahl Nitrogen		-		mg/l		12.9		mg/l	.1	-		mg/l		15.7		mg/l	.1
Total Organic Carbon		-		mg/l		55.2		mg/l	1	-		mg/l		73.7		mg/l	1

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.

BACKGROUND

US Naval Station, Mayport, Florida
Analytical Results for Background Surface Water Samples

Lab Sample Number:		MPT-B-SW-1				MPT-B-SW-2				MPT-B-SW-3				01528005		
Site		BACKGROUND				BACKGROUND				BACKGROUND				BACKGROUND		
Locator		MPT-B-SW-1				MPT-B-SW-2				MPT-B-SW-3				MPTBSW4		
Collect Date:		21-JAN-92				21-JAN-92				21-JAN-92				17-FEB-93		
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
VOLATILES	ug/l																
Chloromethane		10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	-		ug/l	
Bromomethane		10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	-		ug/l	
Vinyl chloride		10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	-		ug/l	
Chloroethane		10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	-		ug/l	
Methylene chloride		6	U	ug/l	6	5	U	ug/l	5	8	U	ug/l	8	-		ug/l	
Acetone		10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	-		ug/l	
Carbon disulfide		5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	-		ug/l	
1,1-Dichloroethane		5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	-		ug/l	
1,1-Dichloroethene		5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	-		ug/l	
1,2-Dichloroethene (total)		5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	-		ug/l	
Chloroform		5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	-		ug/l	
1,2-Dichloroethane		5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	-		ug/l	
2-Butanone		10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	-		ug/l	
1,1,1-Trichloroethane		5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	-		ug/l	
Carbon tetrachloride		5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	-		ug/l	
Bromodichloromethane		5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	-		ug/l	
1,2-Dichloropropane		5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	-		ug/l	
cis-1,3-Dichloropropene		5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	-		ug/l	
Trichloroethene		5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	-		ug/l	
Dibromochloromethane		5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	-		ug/l	
1,1,2-Trichloroethane		5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	-		ug/l	
Benzene		5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	-		ug/l	
trans-1,3-Dichloropropene		5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	-		ug/l	
Bromoform		5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	-		ug/l	
4-Methyl-2-pentanone		10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	-		ug/l	
2-Hexanone		10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	-		ug/l	
Tetrachloroethene		5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	-		ug/l	
1,1,2,2-Tetrachloroethane		5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	-		ug/l	
Toluene		5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	-		ug/l	
Chlorobenzene		5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	-		ug/l	
Ethylbenzene		5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	-		ug/l	
Styrene		5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	-		ug/l	
Xylenes (total)		5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	-		ug/l	
Dichlorodifluoromethane		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Trichlorofluoromethane		5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	-		ug/l	
1,3-Dichlorobenzene		10	U	ug/l	10	10	U	ug/l	10	5	U	ug/l	5	-		ug/l	
Acrolein		100	U	ug/l	100	100	U	ug/l	100	100	U	ug/l	100	-		ug/l	
Iodomethane		10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	-		ug/l	
1,4-Dichlorobenzene		10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	-		ug/l	
Acrylonitrile		100	U	ug/l	100	100	U	ug/l	100	100	U	ug/l	100	-		ug/l	
Dibromomethane		5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	-		ug/l	
1,2-Dichlorobenzene		10	U	ug/l	10	5	U	ug/l	5	5	U	ug/l	5	-		ug/l	
2-Chloroethylvinyl ether		10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	-		ug/l	
Ethyl methacrylate		5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	-		ug/l	
1,2,3-Trichloropropane		5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	-		ug/l	
trans-1,4-Dichloro-2-butene		5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	-		ug/l	
Isobutyl alcohol		200	U	ug/l	200	200	U	ug/l	200	200	U	ug/l	200	-		ug/l	
1,1,1,2-Tetrachloroethane		5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	-		ug/l	
1,2-Dibromo-3-chloropropane		10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	-		ug/l	
Ethylene dibromide		5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	-		ug/l	

US Naval Station, Mayport, Florida
Analytical Results for Background Surface Water Samples

Lab Sample Number:		MPT-B-SW-1				MPT-B-SW-2				MPT-B-SW-3				01528005		
Site		BACKGROUND				BACKGROUND				BACKGROUND				BACKGROUND		
Locator		MPT-B-SW-1				MPT-B-SW-2				MPT-B-SW-3				MPTBSW4		
Collect Date:		21-JAN-92				21-JAN-92				21-JAN-92				17-FEB-93		
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
1,4-Dioxane		200	U	ug/l	200	200	U	ug/l	200	200	U	ug/l	200	-		ug/l	
3-Chloropropene		5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	-		ug/l	
Acetonitrile		100	U	ug/l	100	100	U	ug/l	100	100	U	ug/l	100	-		ug/l	
Chloroprene		200	U	ug/l	200	200	U	ug/l	200	200	U	ug/l	200	-		ug/l	
Methacrylonitrile		5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	-		ug/l	
Methyl methacrylate		10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	-		ug/l	
Pentachloroethane		10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	-		ug/l	
Propionitrile		100	U	ug/l	100	100	U	ug/l	100	100	U	ug/l	100	-		ug/l	
Vinyl acetate		10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	-		ug/l	
SEMIVOLATILES	ug/l																
N-Nitrosodimethylamine		10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	-		ug/l	
Phenol		10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	-		ug/l	
Aniline		10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	-		ug/l	
bis(2-Chloroethyl) ether		10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	-		ug/l	
Benzyl Alcohol		10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	-		ug/l	
2-Methylphenol		10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	-		ug/l	
bis(2-Chloroisopropyl) ether		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
N-Nitroso-di-n-propylamine		10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	-		ug/l	
Hexachloroethane		10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	-		ug/l	
Nitrobenzene		10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	-		ug/l	
Isophorone		10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	-		ug/l	
2-Nitrophenol		10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	-		ug/l	
2,4-Dimethylphenol		10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	-		ug/l	
Benzoic acid		50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50	-		ug/l	
bis(2-Chloroethoxy) methane		10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	-		ug/l	
2,4-Dichlorophenol		10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	-		ug/l	
1,2,4-Trichlorobenzene		10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	-		ug/l	
Naphthalene		10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	-		ug/l	
4-Chloroaniline		10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	-		ug/l	
Hexachlorobutadiene		10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	-		ug/l	
4-Chloro-3-methylphenol		10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	-		ug/l	
2-Methylnaphthalene		10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	-		ug/l	
Hexachlorocyclopentadiene		10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	-		ug/l	
2,4,6-Trichlorophenol		10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	-		ug/l	
Dimethylphthalate		10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	-		ug/l	
2,4,5-Trichlorophenol		50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50	-		ug/l	
2-Chloronaphthalene		10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	-		ug/l	
2-Nitroaniline		50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50	-		ug/l	
Acenaphthylene		10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	-		ug/l	
2,6-Dinitrotoluene		10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	-		ug/l	
3-Nitroaniline		50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50	-		ug/l	
Acenaphthene		10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	-		ug/l	
2,4-Dinitrophenol		50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50	-		ug/l	
4-Nitrophenol		50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50	-		ug/l	
Dibenzofuran		10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	-		ug/l	
2,4-Dinitrotoluene		10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	-		ug/l	
Diethylphthalate		10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	-		ug/l	
4-Chlorophenyl-phenylether		10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	-		ug/l	
Fluorene		10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	-		ug/l	
4-Nitroaniline		50	UJ	ug/l		50	U	ug/l	50	50	U	ug/l	50	-		ug/l	
4,6-Dinitro-2-methylphenol		50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50	-		ug/l	

US Naval Station, Mayport, Florida
Analytical Results for Background Surface Water Samples

Lab Sample Number:	MPT-B-SW-1				MPT-B-SW-2				MPT-B-SW-3				01528005		
Site	BACKGROUND				BACKGROUND				BACKGROUND				BACKGROUND		
Locator	MPT-B-SW-1				MPT-B-SW-2				MPT-B-SW-3				MPTBSW4		
Collect Date:	21-JAN-92				21-JAN-92				21-JAN-92				17-FEB-93		
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
N-Nitrosodiphenylamine	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	-		ug/l	
1,2-Diphenylhydrazine	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	-		ug/l	
4-Bromophenyl-phenylether	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	-		ug/l	
Hexachlorobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	-		ug/l	
Pentachlorophenol	50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50	-		ug/l	
Phenanthrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	-		ug/l	
Anthracene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	-		ug/l	
Di-n-Butylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	-		ug/l	
Fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	-		ug/l	
Pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	-		ug/l	
Butylbenzylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	-		ug/l	
3,3-Dichlorobenzidine	20	U	ug/l	20	20	U	ug/l	20	20	U	ug/l	20	-		ug/l	
Benzo (a) anthracene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	-		ug/l	
Chrysene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	-		ug/l	
bis(2-Ethylhexyl) phthalate	10	U	ug/l	10	3	J	ug/l		10	U	ug/l	10	-		ug/l	
Di-n-octylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	-		ug/l	
Benzo (b) fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	-		ug/l	
Benzo (k) fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	-		ug/l	
Benzo (a) pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	-		ug/l	
Indeno (1,2,3-cd) pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	-		ug/l	
Dibenzo (a,h) anthracene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	-		ug/l	
Benzo (g,h,i) perylene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	-		ug/l	
2-Picoline	50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50	-		ug/l	
Methyl methanesulfonate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	-		ug/l	
Ethyl methanesulfonate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	-		ug/l	
Acetophenone	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	-		ug/l	
N-Nitrosopiperidine	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	-		ug/l	
Phenyl-tert-butylamine	50	R	ug/l		50	R	ug/l		50	R	ug/l		-		ug/l	
2,6-Dichlorophenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	-		ug/l	
N-Nitroso-di-n-butylamine	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	-		ug/l	
N-Nitrosodiethylamine	10	UJ	ug/l		10	UJ	ug/l		10	UJ	ug/l		-		ug/l	
N-Nitrosopyrrolidine	10	UJ	ug/l		10	UJ	ug/l		10	UJ	ug/l		-		ug/l	
Benzidine	50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50	-		ug/l	
1,2,4,5-Tetrachlorobenzene	50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50	-		ug/l	
Pentachlorobenzene	50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50	-		ug/l	
1-Naphthylamine	50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50	-		ug/l	
2-Naphthylamine	50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50	-		ug/l	
2,3,4,6-Tetrachlorophenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	-		ug/l	
Phenacetin	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	-		ug/l	
4-Aminobiphenyl	50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50	-		ug/l	
Pentachloronitrobenzene	50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50	-		ug/l	
Pronamide	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	-		ug/l	
p-Dimethylaminoazobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	-		ug/l	
7,12-Dimethylbenz(A)Anthracene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	-		ug/l	
3-Methylcholanthrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	-		ug/l	
Pyridine	50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50	-		ug/l	
N-Nitrosomethylethylamine	10	UJ	ug/l		10	UJ	ug/l		10	UJ	ug/l		-		ug/l	
N-Nitrosomorpholine	10	UJ	ug/l		10	UJ	ug/l		10	UJ	ug/l		-		ug/l	
o-Toluidine	10	UJ	ug/l		10	UJ	ug/l		10	UJ	ug/l		-		ug/l	
Hexachloropropene	50	UJ	ug/l		50	UJ	ug/l		50	UJ	ug/l		-		ug/l	
p-Phenylenediamine	50	UJ	ug/l		50	UJ	ug/l		50	UJ	ug/l		-		ug/l	
Safrole	50	UJ	ug/l		50	UJ	ug/l		50	UJ	ug/l		-		ug/l	

US Naval Station, Mayport, Florida
Analytical Results for Background Surface Water Samples

Lab Sample Number:		MPT-B-SW-1				MPT-B-SW-2				MPT-B-SW-3				01528005		
Site		BACKGROUND				BACKGROUND				BACKGROUND				BACKGROUND		
Locator		MPT-B-SW-1				MPT-B-SW-2				MPT-B-SW-3				MPTBSW4		
Collect Date:		21-JAN-92				21-JAN-92				21-JAN-92				17-FEB-93		
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Isosafrole		50	UJ	ug/l		50	UJ	ug/l		50	UJ	ug/l		-		ug/l	
1,4-Naphthoquinone		50	UJ	ug/l		50	UJ	ug/l		50	UJ	ug/l		-		ug/l	
1,3-Dinitrobenzene		20	UJ	ug/l		10	UJ	ug/l		10	UJ	ug/l		-		ug/l	
5-Nitro-o-toluidine		10	UJ	ug/l		10	UJ	ug/l		10	UJ	ug/l		-		ug/l	
1,3,5-Trinitrobenzene		10	UJ	ug/l		10	UJ	ug/l		10	UJ	ug/l		-		ug/l	
4-Nitroquinoline-1-oxide		10	UJ	ug/l		10	UJ	ug/l		10	UJ	ug/l		-		ug/l	
Methapyrilene		50	UJ	ug/l		50	UJ	ug/l		50	UJ	ug/l		-		ug/l	
3,3-Dimethylbenzidine		10	UJ	ug/l		10	UJ	ug/l		10	UJ	ug/l		-		ug/l	
Hexachlorophene		50	UJ	ug/l		50	UJ	ug/l		50	UJ	ug/l		-		ug/l	
Aramite		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
2-Chlorophenol		10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	-		ug/l	
3- & 4-Methylphenol (2)		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Hexachloropropene		50	UJ	ug/l		50	UJ	ug/l		50	UJ	ug/l		-		ug/l	
2-Acetylaminofluorene		10	UJ	ug/l		10	UJ	ug/l		10	UJ	ug/l		-		ug/l	
PESTICIDES/PCBs	ug/l																
alpha-BHC		.01	U	ug/l	.01	.01	U	ug/l	.01	.01	U	ug/l	.01	-		ug/l	
beta-BHC		.02	U	ug/l	.02	.02	U	ug/l	.02	.02	U	ug/l	.02	-		ug/l	
delta-BHC		.01	U	ug/l	.01	.01	U	ug/l	.01	.01	U	ug/l	.01	-		ug/l	
gamma-BHC (Lindane)		.01	U	ug/l	.01	.01	U	ug/l	.01	.01	U	ug/l	.01	-		ug/l	
Heptachlor		.01	U	ug/l	.01	.01	U	ug/l	.01	.01	U	ug/l	.01	-		ug/l	
Aldrin		.01	U	ug/l	.01	.01	U	ug/l	.01	.01	U	ug/l	.01	-		ug/l	
Heptachlor epoxide		.01	U	ug/l	.01	.01	U	ug/l	.01	.01	U	ug/l	.01	-		ug/l	
Endosulfan I		.02	U	ug/l	.02	.02	U	ug/l	.02	.02	U	ug/l	.02	-		ug/l	
Dieldrin		.02	U	ug/l	.02	.02	U	ug/l	.02	.02	U	ug/l	.02	-		ug/l	
4,4-DDE		.02	U	ug/l	.02	.02	U	ug/l	.02	.02	U	ug/l	.02	-		ug/l	
Endrin		.02	U	ug/l	.02	.02	U	ug/l	.02	.02	U	ug/l	.02	-		ug/l	
Endosulfan II		.02	U	ug/l	.02	.02	U	ug/l	.02	.02	U	ug/l	.02	-		ug/l	
4,4-DDD		.02	U	ug/l	.02	.02	U	ug/l	.02	.02	U	ug/l	.02	-		ug/l	
Endosulfan sulfate		.02	U	ug/l	.02	.02	U	ug/l	.02	.02	U	ug/l	.02	-		ug/l	
4,4-DDT		.02	U	ug/l	.02	.02	U	ug/l	.02	.02	U	ug/l	.02	-		ug/l	
Methoxychlor		.04	U	ug/l	.04	.04	U	ug/l	.04	.04	U	ug/l	.04	-		ug/l	
Endrin aldehyde		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Endrin ketone		.02	U	ug/l	.02	.02	U	ug/l	.02	.02	U	ug/l	.02	-		ug/l	
Chlordane		.1	U	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1	-		ug/l	
Chlorobenzilate		.5	U	ug/l	.5	.5	U	ug/l	.5	.5	U	ug/l	.5	-		ug/l	
Diallate		1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	-		ug/l	
Toxaphene		.5	U	ug/l	.5	.5	U	ug/l	.5	.5	U	ug/l	.5	-		ug/l	
Isodrin		.02	U	ug/l	.02	.02	U	ug/l	.02	.02	U	ug/l	.02	-		ug/l	
Kepone		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Aroclor-1016		.8	U	ug/l	.8	.8	U	ug/l	.8	.8	U	ug/l	.8	-		ug/l	
Aroclor-1221		2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	-		ug/l	
Aroclor-1232		2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	-		ug/l	
Aroclor-1242		.8	U	ug/l	.8	.8	U	ug/l	.8	.8	U	ug/l	.8	-		ug/l	
Aroclor-1248		.4	U	ug/l	.4	.4	U	ug/l	.4	.4	U	ug/l	.4	-		ug/l	
Aroclor-1254		.2	U	ug/l	.2	.2	U	ug/l	.2	.2	U	ug/l	.2	-		ug/l	
Aroclor-1260		.2	U	ug/l	.2	.2	U	ug/l	.2	.2	U	ug/l	.2	-		ug/l	
INORGANICS (WATER)	ug/l																
Antimony		40	U	ug/l	40	40	U	ug/l	40	57.5	J	ug/l		24.6	U	ug/l	24.6
Arsenic		1.2	J	ug/l		.86	J	ug/l		1.2	J	ug/l		6.9	U	ug/l	6.9
Barium		11.1	J	ug/l		12.3	J	ug/l		15.4	J	ug/l		11.7	J	ug/l	

US Naval Station, Mayport, Florida
Analytical Results for Background Surface Water Samples

Lab Sample Number:	MPT-B-SW-1				MPT-B-SW-2				MPT-B-SW-3				01528005			
Site	BACKGROUND				BACKGROUND				BACKGROUND				BACKGROUND			
Locator	MPT-B-SW-1				MPT-B-SW-2				MPT-B-SW-3				MPTBSW4			
Collect Date:	21-JAN-92				21-JAN-92				21-JAN-92				17-FEB-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Beryllium	.1	U	ug/l	.1	.1	U	ug/l	.1	.1	U	ug/l	.1	.27	U	ug/l	.27
Cadmium	1.6	U	ug/l	1.6	1.6	U	ug/l	1.6	1.6	U	ug/l	1.6	4	U	ug/l	4
Calcium	-		ug/l		-		ug/l		-		ug/l		168000	J	ug/l	
Chromium	1.9	U	ug/l	1.9	1.9	U	ug/l	1.9	1.9	U	ug/l	1.9	2.4	U	ug/l	2.4
Cobalt	5.1	U	ug/l	5.1	5.6	J	ug/l		9.7	J	ug/l		2.3	U	ug/l	2.3
Copper	1.4	U	ug/l	1.4	37.2		ug/l		2.4	J	ug/l		1.7	U	ug/l	1.7
Cyanide	3	J	ug/l		1.8	U	ug/l	1.8	1.8	U	ug/l	1.8	3	U	ug/l	3
Iron	-		ug/l		-		ug/l		-		ug/l		435		ug/l	
Lead	1.3	J	ug/l		.78	UJ	ug/l		.91	J	ug/l		2.6	R	ug/l	
Magnesium	-		ug/l		-		ug/l		-		ug/l		490000		ug/l	
Manganese	-		ug/l		-		ug/l		-		ug/l		10.4	J	ug/l	
Mercury	.16	U	ug/l	.16	.16	U	ug/l	.16	.16	U	ug/l	.16	.1	U	ug/l	.1
Nickel	7	U	ug/l	7	19.8	U	ug/l	19.8	7	U	ug/l	7	12.5	U	ug/l	12.5
Selenium	2.6	J	ug/l		1.1	UJ	ug/l		1.8	J	ug/l		10.6	U	ug/l	10.6
Silver	2.3	U	ug/l	2.3	2.3	U	ug/l	2.3	2.3	U	ug/l	2.3	2.4	U	ug/l	2.4
Sodium	-		ug/l		-		ug/l		-		ug/l		55.6	U	ug/l	55.6
Thallium	1.4	UJ	ug/l		1.4	UJ	ug/l		1.4	UJ	ug/l		12.7	R	ug/l	
Tin	208	U	ug/l	208	208	U	ug/l	208	208	U	ug/l	208	34.8	U	ug/l	34.8
Vanadium	3.6	J	ug/l		2.7	U	ug/l	2.7	2.7	U	ug/l	2.7	4.5	J	ug/l	
Zinc	6.1	U	ug/l	6.1	23.5	U	ug/l	23.5	10.7	U	ug/l	10.7	1.6	UJ	ug/l	
GROUND WATER QUALITY mg/l																
Alkalinity as CaCO3	-		mg/l		-		mg/l		-		mg/l		-		mg/l	
Ammonia-N	-		mg/l		-		mg/l		-		mg/l		-		mg/l	
Chloride	-		mg/l		-		mg/l		-		mg/l		-		mg/l	
Hardness as CaCO3	-		mg/l		-		mg/l		-		mg/l		-		mg/l	
Nitrate/Nitrite-N	-		mg/l		-		mg/l		-		mg/l		-		mg/l	
Oil and Grease	-		mg/l		-		mg/l		-		mg/l		-		mg/l	
Phosphorous-P, Total	-		mg/l		-		mg/l		-		mg/l		-		mg/l	
Sulfate	-		mg/l		-		mg/l		-		mg/l		-		mg/l	
Sulfide	-		mg/l		-		mg/l		-		mg/l		-		mg/l	
Total Dissolved Solids	-		mg/l		-		mg/l		-		mg/l		-		mg/l	
Total Kjeldahl Nitrogen	-		mg/l		-		mg/l		-		mg/l		-		mg/l	
Total Organic Carbon	-		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.

US Naval Station, Mayport, Florida
Analytical Results for Background Surface Water Samples

Lab Sample Number:		01538005				24081005				35168005				35170007			
Site		BACKGROUND				BACKGROUND				BACKGROUNO				BACKGROUND			
Locator		MPTBSW4				MPTBSW4				MPTBSW4				MPTBSW4			
Collect Date:		17-FEB-93				17-FEB-93				17-FEB-93				17-FEB-93			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
VOLATILES	ug/l																
Chloromethane		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
Bromomethane		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
Vinyl chloride		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
Chloroethane		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
Methylene chloride		5	U	ug/l	5	-		ug/l		-		ug/l		-		ug/l	
Acetone		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
Carbon disulfide		5	U	ug/l	5	-		ug/l		-		ug/l		-		ug/l	
1,1-Dichloroethane		5	U	ug/l	5	-		ug/l		-		ug/l		-		ug/l	
1,1-Dichloroethene		5	U	ug/l	5	-		ug/l		-		ug/l		-		ug/l	
1,2-Dichloroethene (total)		5	U	ug/l	5	-		ug/l		-		ug/l		-		ug/l	
Chloroform		5	U	ug/l	5	-		ug/l		-		ug/l		-		ug/l	
1,2-Dichloroethane		5	U	ug/l	5	-		ug/l		-		ug/l		-		ug/l	
2-Butanone		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
1,1,1-Trichloroethane		5	U	ug/l	5	-		ug/l		-		ug/l		-		ug/l	
Carbon tetrachloride		5	U	ug/l	5	-		ug/l		-		ug/l		-		ug/l	
Bromodichloromethane		5	U	ug/l	5	-		ug/l		-		ug/l		-		ug/l	
1,2-Dichloropropane		5	U	ug/l	5	-		ug/l		-		ug/l		-		ug/l	
cis-1,3-Dichloropropene		5	U	ug/l	5	-		ug/l		-		ug/l		-		ug/l	
Trichloroethene		5	U	ug/l	5	-		ug/l		-		ug/l		-		ug/l	
Dibromochloromethane		5	U	ug/l	5	-		ug/l		-		ug/l		-		ug/l	
1,1,2-Trichloroethane		5	U	ug/l	5	-		ug/l		-		ug/l		-		ug/l	
Benzene		5	U	ug/l	5	-		ug/l		-		ug/l		-		ug/l	
trans-1,3-Dichloropropene		5	U	ug/l	5	-		ug/l		-		ug/l		-		ug/l	
Bromoform		5	U	ug/l	5	-		ug/l		-		ug/l		-		ug/l	
4-Methyl-2-pentanone		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
2-Hexanone		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
Tetrachloroethene		5	U	ug/l	5	-		ug/l		-		ug/l		-		ug/l	
1,1,2,2-Tetrachloroethane		5	U	ug/l	5	-		ug/l		-		ug/l		-		ug/l	
Toluene		5	U	ug/l	5	-		ug/l		-		ug/l		-		ug/l	
Chlorobenzene		5	U	ug/l	5	-		ug/l		-		ug/l		-		ug/l	
Ethylbenzene		5	U	ug/l	5	-		ug/l		-		ug/l		-		ug/l	
Styrene		5	U	ug/l	5	-		ug/l		-		ug/l		-		ug/l	
Xylenes (total)		5	U	ug/l	5	-		ug/l		-		ug/l		-		ug/l	
Dichlorodifluoromethane		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
Trichlorofluoromethane		5	U	ug/l	5	-		ug/l		-		ug/l		-		ug/l	
1,3-Dichlorobenzene		5	U	ug/l	5	-		ug/l		10	U	ug/l	10	-		ug/l	
Acrolein		100	R	ug/l		-		ug/l		-		ug/l		-		ug/l	
Iodomethane		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
1,4-Dichlorobenzene		5	U	ug/l	5	-		ug/l		10	U	ug/l	10	-		ug/l	
Acrylonitrile		100	U	ug/l	100	-		ug/l		-		ug/l		-		ug/l	

US Naval Station, Mayport, Florida
Analytical Results for Background Surface Water Samples

Lab Sample Number:		01538005				24081005				35168005				35170007			
Site		BACKGROUND				BACKGROUND				BACKGROUND				BACKGROUND			
Locator		MPTBSW4				MPTBSW4				MPTBSW4				MPTBSW4			
Collect Date:		17-FEB-93				17-FEB-93				17-FEB-93				17-FEB-93			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Dibromomethane		5	U	ug/l	5	-		ug/l		-		ug/l		-		ug/l	
1,2-Dichlorobenzene		5	U	ug/l	5	-		ug/l		10	U	ug/l	10	-		ug/l	
2-Chloroethylvinyl ether		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
Ethyl methacrylate		5	U	ug/l	5	-		ug/l		-		ug/l		-		ug/l	
1,2,3-Trichloropropane		5	U	ug/l	5	-		ug/l		-		ug/l		-		ug/l	
trans-1,4-Dichloro-2-butene		5	U	ug/l	5	-		ug/l		-		ug/l		-		ug/l	
Isobutyl alcohol		1000	R	ug/l		-		ug/l		-		ug/l		-		ug/l	
1,1,1,2-Tetrachloroethane		5	U	ug/l	5	-		ug/l		-		ug/l		-		ug/l	
1,2-Dibromo-3-chloropropane		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
Ethylene dibromide		5	U	ug/l	5	-		ug/l		-		ug/l		-		ug/l	
1,4-Dioxane		200	R	ug/l		-		ug/l		-		ug/l		-		ug/l	
3-Chloropropene		5	U	ug/l	5	-		ug/l		-		ug/l		-		ug/l	
Acetonitrile		100	R	ug/l		-		ug/l		-		ug/l		-		ug/l	
Chloroprene		200	R	ug/l		-		ug/l		-		ug/l		-		ug/l	
Methacrylonitrile		5	U	ug/l	5	-		ug/l		-		ug/l		-		ug/l	
Methyl methacrylate		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
Pentachloroethane		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
Propionitrile		100	U	ug/l	100	-		ug/l		-		ug/l		-		ug/l	
Vinyl acetate		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
SEMIVOLATILES	ug/l																
N-Nitrosodimethylamine		-		ug/l		-		ug/l		10	U	ug/l	10	-		ug/l	
Phenol		-		ug/l		-		ug/l		10	U	ug/l	10	-		ug/l	
Aniline		-		ug/l		-		ug/l		10	U	ug/l	10	-		ug/l	
bis(2-Chloroethyl) ether		-		ug/l		-		ug/l		10	U	ug/l	10	-		ug/l	
Benzyl Alcohol		-		ug/l		-		ug/l		10	U	ug/l	10	-		ug/l	
2-Methylphenol		-		ug/l		-		ug/l		10	U	ug/l	10	-		ug/l	
bis(2-Chloroisopropyl) ether		-		ug/l		-		ug/l		10	U	ug/l	10	-		ug/l	
N-Nitroso-di-n-propylamine		-		ug/l		-		ug/l		10	U	ug/l	10	-		ug/l	
Hexachloroethane		-		ug/l		-		ug/l		10	U	ug/l	10	-		ug/l	
Nitrobenzene		-		ug/l		-		ug/l		10	U	ug/l	10	-		ug/l	
Isophorone		-		ug/l		-		ug/l		10	U	ug/l	10	-		ug/l	
2-Nitrophenol		-		ug/l		-		ug/l		10	U	ug/l	10	-		ug/l	
2,4-Dimethylphenol		-		ug/l		-		ug/l		10	U	ug/l	10	-		ug/l	
Benzoic acid		-		ug/l		-		ug/l		50	UJ	ug/l		-		ug/l	
bis(2-Chloroethoxy) methane		-		ug/l		-		ug/l		10	U	ug/l	10	-		ug/l	
2,4-Dichlorophenol		-		ug/l		-		ug/l		10	U	ug/l	10	-		ug/l	
1,2,4-Trichlorobenzene		-		ug/l		-		ug/l		10	U	ug/l	10	-		ug/l	
Naphthalene		-		ug/l		-		ug/l		10	U	ug/l	10	-		ug/l	
4-Chloroaniline		-		ug/l		-		ug/l		10	U	ug/l	10	-		ug/l	
Hexachlorobutadiene		-		ug/l		-		ug/l		10	U	ug/l	10	-		ug/l	
4-Chloro-3-methylphenol		-		ug/l		-		ug/l		10	U	ug/l	10	-		ug/l	
2-Methylnaphthalene		-		ug/l		-		ug/l		10	U	ug/l	10	-		ug/l	
Hexachlorocyclopentadiene		-		ug/l		-		ug/l		10	U	ug/l	10	-		ug/l	
2,4,6-Trichlorophenol		-		ug/l		-		ug/l		10	U	ug/l	10	-		ug/l	
Dimethylphthalate		-		ug/l		-		ug/l		10	U	ug/l	10	-		ug/l	
2,4,5-Trichlorophenol		-		ug/l		-		ug/l		50	U	ug/l	50	-		ug/l	
2-Chloronaphthalene		-		ug/l		-		ug/l		10	U	ug/l	10	-		ug/l	
2-Nitroaniline		-		ug/l		-		ug/l		50	U	ug/l	50	-		ug/l	
Acenaphthylene		-		ug/l		-		ug/l		10	U	ug/l	10	-		ug/l	
2,6-Dinitrotoluene		-		ug/l		-		ug/l		10	U	ug/l	10	-		ug/l	
3-Nitroaniline		-		ug/l		-		ug/l		50	U	ug/l	50	-		ug/l	

US Naval Station, Mayport, Florida
Analytical Results for Background Surface Water Samples

Lab Sample Number:	01538005			24081005			35168005			35170007		
Site	BACKGROUND			BACKGROUND			BACKGROUND			BACKGROUND		
Locator	MPTBSW4			MPTBSW4			MPTBSW4			MPTBSW4		
Collect Date:	17-FEB-93			17-FEB-93			17-FEB-93			17-FEB-93		
	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
Acenaphthene	-	ug/l		-	ug/l		10 U	ug/l	10	-	ug/l	
2,4-Dinitrophenol	-	ug/l		-	ug/l		50 U	ug/l	50	-	ug/l	
4-Nitrophenol	-	ug/l		-	ug/l		50 U	ug/l	50	-	ug/l	
Dibenzofuran	-	ug/l		-	ug/l		10 U	ug/l	10	-	ug/l	
2,4-Dinitrotoluene	-	ug/l		-	ug/l		10 U	ug/l	10	-	ug/l	
Diethylphthalate	-	ug/l		-	ug/l		10 U	ug/l	10	-	ug/l	
4-Chlorophenyl-phenylether	-	ug/l		-	ug/l		10 U	ug/l	10	-	ug/l	
Fluorene	-	ug/l		-	ug/l		10 U	ug/l	10	-	ug/l	
4-Nitroaniline	-	ug/l		-	ug/l		50 U	ug/l	50	-	ug/l	
4,6-Dinitro-2-methylphenol	-	ug/l		-	ug/l		50 U	ug/l	50	-	ug/l	
N-Nitrosodiphenylamine	-	ug/l		-	ug/l		10 U	ug/l	10	-	ug/l	
1,2-Diphenylhydrazine	-	ug/l		-	ug/l		10 U	ug/l	10	-	ug/l	
4-Bromophenyl-phenylether	-	ug/l		-	ug/l		10 U	ug/l	10	-	ug/l	
Hexachlorobenzene	-	ug/l		-	ug/l		10 U	ug/l	10	-	ug/l	
Pentachlorophenol	-	ug/l		-	ug/l		50 U	ug/l	50	-	ug/l	
Phenanthrene	-	ug/l		-	ug/l		10 U	ug/l	10	-	ug/l	
Anthracene	-	ug/l		-	ug/l		10 U	ug/l	10	-	ug/l	
Di-n-Butylphthalate	-	ug/l		-	ug/l		10 U	ug/l	10	-	ug/l	
Fluoranthene	-	ug/l		-	ug/l		10 U	ug/l	10	-	ug/l	
Pyrene	-	ug/l		-	ug/l		10 U	ug/l	10	-	ug/l	
Butylbenzylphthalate	-	ug/l		-	ug/l		10 U	ug/l	10	-	ug/l	
3,3-Dichlorobenzidine	-	ug/l		-	ug/l		20 U	ug/l	20	-	ug/l	
Benzo (a) anthracene	-	ug/l		-	ug/l		10 U	ug/l	10	-	ug/l	
Chrysene	-	ug/l		-	ug/l		10 U	ug/l	10	-	ug/l	
bis(2-Ethylhexyl) phthalate	-	ug/l		-	ug/l		10 U	ug/l	10	-	ug/l	
Di-n-octylphthalate	-	ug/l		-	ug/l		10 U	ug/l	10	-	ug/l	
Benzo (b) fluoranthene	-	ug/l		-	ug/l		10 U	ug/l	10	-	ug/l	
Benzo (k) fluoranthene	-	ug/l		-	ug/l		10 U	ug/l	10	-	ug/l	
Benzo (a) pyrene	-	ug/l		-	ug/l		10 U	ug/l	10	-	ug/l	
Indeno (1,2,3-cd) pyrene	-	ug/l		-	ug/l		10 U	ug/l	10	-	ug/l	
Dibenzo (a,h) anthracene	-	ug/l		-	ug/l		10 U	ug/l	10	-	ug/l	
Benzo (g,h,i) perylene	-	ug/l		-	ug/l		10 U	ug/l	10	-	ug/l	
2-Picoline	-	ug/l		-	ug/l		50 U	ug/l	50	-	ug/l	
Methyl methanesulfonate	-	ug/l		-	ug/l		10 U	ug/l	10	-	ug/l	
Ethyl methanesulfonate	-	ug/l		-	ug/l		10 U	ug/l	10	-	ug/l	
Acetophenone	-	ug/l		-	ug/l		10 U	ug/l	10	-	ug/l	
N-Nitrosopiperidine	-	ug/l		-	ug/l		10 U	ug/l	10	-	ug/l	
Phenyl-tert-butylamine	-	ug/l		-	ug/l		50 U	ug/l	50	-	ug/l	
2,6-Dichlorophenol	-	ug/l		-	ug/l		10 U	ug/l	10	-	ug/l	
N-Nitroso-di-n-butylamine	-	ug/l		-	ug/l		10 U	ug/l	10	-	ug/l	
N-Nitrosodiethylamine	-	ug/l		-	ug/l		10 U	ug/l	10	-	ug/l	
N-Nitrosopyrrolidine	-	ug/l		-	ug/l		10 U	ug/l	10	-	ug/l	
Benzidine	-	ug/l		-	ug/l		50 U	ug/l	50	-	ug/l	
1,2,4,5-Tetrachlorobenzene	-	ug/l		-	ug/l		50 U	ug/l	50	-	ug/l	
Pentachlorobenzene	-	ug/l		-	ug/l		50 U	ug/l	50	-	ug/l	
1-Naphthylamine	-	ug/l		-	ug/l		50 R	ug/l		-	ug/l	
2-Naphthylamine	-	ug/l		-	ug/l		50 U	ug/l	50	-	ug/l	
2,3,4,6-Tetrachlorophenol	-	ug/l		-	ug/l		10 U	ug/l	10	-	ug/l	
Phenacetin	-	ug/l		-	ug/l		10 U	ug/l	10	-	ug/l	
4-Aminobiphenyl	-	ug/l		-	ug/l		50 UJ	ug/l		-	ug/l	
Pentachloronitrobenzene	-	ug/l		-	ug/l		50 U	ug/l	50	-	ug/l	
Pronamide	-	ug/l		-	ug/l		10 U	ug/l	10	-	ug/l	

US Naval Station, Mayport, Florida
Analytical Results for Background Surface Water Samples

Lab Sample Number:		01538005			24081005			35168005			35170007		
Site		BACKGROUND			BACKGROUND			BACKGROUND			BACKGROUND		
Locator		MPTBSW4			MPTBSW4			MPTBSW4			MPTBSW4		
Collect Date:		17-FEB-93			17-FEB-93			17-FEB-93			17-FEB-93		
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	
p-Dimethylaminoazobenzene		-	ug/l		-		ug/l		10	U	ug/l	10	
7,12-Dimethylbenz(A)Anthracene		-	ug/l		-		ug/l		10	U	ug/l	10	
3-Methylcholanthrene		-	ug/l		-		ug/l		10	U	ug/l	10	
Pyridine		-	ug/l		-		ug/l		50	U	ug/l	50	
N-Nitrosomethylethylamine		-	ug/l		-		ug/l		10	U	ug/l	10	
N-Nitrosomorpholine		-	ug/l		-		ug/l		10	U	ug/l	10	
o-Toluidine		-	ug/l		-		ug/l		10	U	ug/l	10	
Hexachloropropene		-	ug/l		-		ug/l		50	U	ug/l	50	
p-Phenylenediamine		-	ug/l		-		ug/l		500	U	ug/l	500	
Safrole		-	ug/l		-		ug/l		50	U	ug/l	50	
Isosafrole		-	ug/l		-		ug/l		50	U	ug/l	50	
1,4-Naphthoquinone		-	ug/l		-		ug/l		1000	U	ug/l	1000	
1,3-Dinitrobenzene		-	ug/l		-		ug/l		10	U	ug/l	10	
5-Nitro-o-toluidine		-	ug/l		-		ug/l		10	U	ug/l	10	
1,3,5-Trinitrobenzene		-	ug/l		-		ug/l		10	U	ug/l	10	
4-Nitroquinoline-1-oxide		-	ug/l		-		ug/l		500	R	ug/l		
Methapyrilene		-	ug/l		-		ug/l		50	U	ug/l	50	
3,3-Dimethylbenzidine		-	ug/l		-		ug/l		10	U	ug/l	10	
Hexachlorophene		-	ug/l		-		ug/l		500	U	ug/l	500	
Aramite		-	ug/l		-		ug/l		50	R	ug/l		
2-Chlorophenol		-	ug/l		-		ug/l		10	U	ug/l	10	
3- & 4-Methylphenol (2)		-	ug/l		-		ug/l		-		ug/l		
Hexachloropropene		-	ug/l		-		ug/l		50	U	ug/l	50	
2-Acetylaminofluorene		-	ug/l		-		ug/l		10	U	ug/l	10	
PESTICIDES/PCBs	ug/l												
alpha-BHC		-	ug/l		.02	U	ug/l	.02	-		ug/l		
beta-BHC		-	ug/l		.04	U	ug/l	.04	-		ug/l		
delta-BHC		-	ug/l		.02	U	ug/l	.02	-		ug/l		
gamma-BHC (Lindane)		-	ug/l		.02	U	ug/l	.02	-		ug/l		
Heptachlor		-	ug/l		.02	U	ug/l	.02	-		ug/l		
Aldrin		-	ug/l		.02	U	ug/l	.02	-		ug/l		
Heptachlor epoxide		-	ug/l		.02	U	ug/l	.02	-		ug/l		
Endosulfan I		-	ug/l		.02	U	ug/l	.02	-		ug/l		
Dieldrin		-	ug/l		.02	U	ug/l	.02	-		ug/l		
4,4-DDE		-	ug/l		.02	U	ug/l	.02	-		ug/l		
Endrin		-	ug/l		.04	U	ug/l	.04	-		ug/l		
Endosulfan II		-	ug/l		.04	U	ug/l	.04	-		ug/l		
4,4-DDD		-	ug/l		.04	U	ug/l	.04	-		ug/l		
Endosulfan sulfate		-	ug/l		.04	U	ug/l	.04	-		ug/l		
4,4-DDT		-	ug/l		.04	U	ug/l	.04	-		ug/l		
Methoxychlor		-	ug/l		.08	U	ug/l	.08	-		ug/l		
Endrin aldehyde		-	ug/l		.04	U	ug/l	.04	-		ug/l		
Endrin ketone		-	ug/l		.02	U	ug/l	.02	-		ug/l		
Chlordane		-	ug/l		.2	U	ug/l	.2	-		ug/l		
Chlorobenzilate		-	ug/l		.5	U	ug/l	.5	-		ug/l		
Diallate		-	ug/l		1	U	ug/l	1	-		ug/l		
Toxaphene		-	ug/l		1	U	ug/l	1	-		ug/l		
Isodrin		-	ug/l		.02	U	ug/l	.02	-		ug/l		
Kepone		-	ug/l		1	U	ug/l	1	-		ug/l		
Aroclor-1016		-	ug/l		1	U	ug/l	1	-		ug/l		
Aroclor-1221		-	ug/l		2	U	ug/l	2	-		ug/l		

US Naval Station, Mayport, Florida
Analytical Results for Background Surface Water Samples

Lab Sample Number:		01538005			24081005			35168005			35170007		
Site		BACKGROUND			BACKGROUND			BACKGROUND			BACKGROUND		
Locator		MPTBSW4			MPTBSW4			MPTBSW4			MPTBSW4		
Collect Date:		17-FEB-93			17-FEB-93			17-FEB-93			17-FEB-93		
		VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
Aroclor-1232		-	ug/l		2 U	ug/l	2	-	ug/l		-	ug/l	
Aroclor-1242		-	ug/l		1 U	ug/l	1	-	ug/l		-	ug/l	
Aroclor-1248		-	ug/l		1 U	ug/l	1	-	ug/l		-	ug/l	
Aroclor-1254		-	ug/l		.5 U	ug/l	.5	-	ug/l		-	ug/l	
Aroclor-1260		-	ug/l		.5 U	ug/l	.5	-	ug/l		-	ug/l	
INORGANICS (WATER)	ug/l												
Antimony		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Arsenic		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Barium		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Beryllium		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Cadmium		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Calcium		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Chromium		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Cobalt		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Copper		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Cyanide		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Iron		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Lead		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Magnesium		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Manganese		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Mercury		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Nickel		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Selenium		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Silver		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Sodium		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Thallium		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Tin		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Vanadium		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Zinc		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
GROUND WATER QUALITY	mg/l												
Alkalinity as CaCO3		-	mg/l		-	mg/l		-	mg/l		82	mg/l	
Ammonia-N		-	mg/l		-	mg/l		-	mg/l		.06 U	mg/l	.06
Chloride		-	mg/l		-	mg/l		-	mg/l		8340	mg/l	
Hardness as CaCO3		-	mg/l		-	mg/l		-	mg/l		2800	mg/l	
Nitrate/Nitrite-N		-	mg/l		-	mg/l		-	mg/l		-	mg/l	
Oil and Grease		-	mg/l		-	mg/l		-	mg/l		6 U	mg/l	6
Phosphorous-P, Total		-	mg/l		-	mg/l		-	mg/l		.09	mg/l	
Sulfate		-	mg/l		-	mg/l		-	mg/l		1160	mg/l	
Sulfide		-	mg/l		-	mg/l		-	mg/l		.4 U	mg/l	.4
Total Dissolved Solids		-	mg/l		-	mg/l		-	mg/l		18600	mg/l	
Total Kjeldahl Nitrogen		-	mg/l		-	mg/l		-	mg/l		.61	mg/l	
Total Organic Carbon		-	mg/l		-	mg/l		-	mg/l		10.8	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.

US Naval Station, Mayport, Florida
Analytical Results for Background Surface Water Samples

Lab Sample Number:		01529001			01537004			24099004			35195001		
Site		BACKGROUND			BACKGROUND			BACKGROUND			BACKGROUND		
Locator		MPTBSW5			MPTBSW5			MPTBSW5			MPTBSW5		
Collect Date:		18-FEB-93			18-FEB-93			18-FEB-93			18-FEB-93		
		VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
VOLATILES	ug/l												
Chloromethane		-	ug/l		10 U	ug/l	10	-	ug/l		-	ug/l	
Bromomethane		-	ug/l		10 U	ug/l	10	-	ug/l		-	ug/l	
Vinyl chloride		-	ug/l		10 U	ug/l	10	-	ug/l		-	ug/l	
Chloroethane		-	ug/l		10 U	ug/l	10	-	ug/l		-	ug/l	
Methylene chloride		-	ug/l		5 U	ug/l	5	-	ug/l		-	ug/l	
Acetone		-	ug/l		10 U	ug/l	10	-	ug/l		-	ug/l	
Carbon disulfide		-	ug/l		5 U	ug/l	5	-	ug/l		-	ug/l	
1,1-Dichloroethane		-	ug/l		5 U	ug/l	5	-	ug/l		-	ug/l	
1,1-Dichloroethene		-	ug/l		5 U	ug/l	5	-	ug/l		-	ug/l	
1,2-Dichloroethene (total)		-	ug/l		5 U	ug/l	5	-	ug/l		-	ug/l	
Chloroform		-	ug/l		5 U	ug/l	5	-	ug/l		-	ug/l	
1,2-Dichloroethane		-	ug/l		5 U	ug/l	5	-	ug/l		-	ug/l	
2-Butanone		-	ug/l		10 U	ug/l	10	-	ug/l		-	ug/l	
1,1,1-Trichloroethane		-	ug/l		5 U	ug/l	5	-	ug/l		-	ug/l	
Carbon tetrachloride		-	ug/l		5 U	ug/l	5	-	ug/l		-	ug/l	
Bromodichloromethane		-	ug/l		5 U	ug/l	5	-	ug/l		-	ug/l	
1,2-Dichloropropane		-	ug/l		5 U	ug/l	5	-	ug/l		-	ug/l	
cis-1,3-Dichloropropene		-	ug/l		5 U	ug/l	5	-	ug/l		-	ug/l	
Trichloroethene		-	ug/l		5 U	ug/l	5	-	ug/l		-	ug/l	
Dibromochloromethane		-	ug/l		5 U	ug/l	5	-	ug/l		-	ug/l	
1,1,2-Trichloroethane		-	ug/l		5 U	ug/l	5	-	ug/l		-	ug/l	
Benzene		-	ug/l		5 U	ug/l	5	-	ug/l		-	ug/l	
trans-1,3-Dichloropropene		-	ug/l		5 U	ug/l	5	-	ug/l		-	ug/l	
Bromoform		-	ug/l		5 U	ug/l	5	-	ug/l		-	ug/l	
4-Methyl-2-pentanone		-	ug/l		10 U	ug/l	10	-	ug/l		-	ug/l	
2-Hexanone		-	ug/l		10 U	ug/l	10	-	ug/l		-	ug/l	
Tetrachloroethene		-	ug/l		5 U	ug/l	5	-	ug/l		-	ug/l	
1,1,2,2-Tetrachloroethane		-	ug/l		5 U	ug/l	5	-	ug/l		-	ug/l	
Toluene		-	ug/l		5 U	ug/l	5	-	ug/l		-	ug/l	
Chlorobenzene		-	ug/l		5 U	ug/l	5	-	ug/l		-	ug/l	
Ethylbenzene		-	ug/l		5 U	ug/l	5	-	ug/l		-	ug/l	
Styrene		-	ug/l		5 U	ug/l	5	-	ug/l		-	ug/l	
Xylenes (total)		-	ug/l		5 U	ug/l	5	-	ug/l		-	ug/l	
Dichlorodifluoromethane		-	ug/l		10 U	ug/l	10	-	ug/l		-	ug/l	
Trichlorofluoromethane		-	ug/l		5 UJ	ug/l		-	ug/l		-	ug/l	
1,3-Dichlorobenzene		-	ug/l		5 U	ug/l	5	-	ug/l		-	ug/l	
Acrolein		-	ug/l		100 R	ug/l		-	ug/l		-	ug/l	
Iodomethane		-	ug/l		10 U	ug/l	10	-	ug/l		-	ug/l	
1,4-Dichlorobenzene		-	ug/l		5 U	ug/l	5	-	ug/l		-	ug/l	
Acrylonitrile		-	ug/l		100 U	ug/l	100	-	ug/l		-	ug/l	

US Naval Station, Mayport, Florida
Analytical Results for Background Surface Water Samples

Lab Sample Number:		01529001			01537004			24099004			35195001		
Site		BACKGROUND			BACKGROUND			BACKGROUND			BACKGROUND		
Locator		MPTBSW5			MPTBSW5			MPTBSW5			MPTBSW5		
Collect Date:		18-FEB-93			18-FEB-93			18-FEB-93			18-FEB-93		
		VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
Dibromomethane		-	ug/l		5 U	ug/l	5	-	ug/l		-	ug/l	
1,2-Dichlorobenzene		-	ug/l		5 U	ug/l	5	-	ug/l		-	ug/l	
2-Chloroethylvinyl ether		-	ug/l		10 U	ug/l	10	-	ug/l		-	ug/l	
Ethyl methacrylate		-	ug/l		5 U	ug/l	5	-	ug/l		-	ug/l	
1,2,3-Trichloropropane		-	ug/l		5 U	ug/l	5	-	ug/l		-	ug/l	
trans-1,4-Dichloro-2-butene		-	ug/l		5 U	ug/l	5	-	ug/l		-	ug/l	
Isobutyl alcohol		-	ug/l		1000 R	ug/l		-	ug/l		-	ug/l	
1,1,1,2-Tetrachloroethane		-	ug/l		5 U	ug/l	5	-	ug/l		-	ug/l	
1,2-Dibromo-3-chloropropane		-	ug/l		10 U	ug/l	10	-	ug/l		-	ug/l	
Ethylene dibromide		-	ug/l		5 U	ug/l	5	-	ug/l		-	ug/l	
1,4-Dioxane		-	ug/l		200 R	ug/l		-	ug/l		-	ug/l	
3-Chloropropene		-	ug/l		5 U	ug/l	5	-	ug/l		-	ug/l	
Acetonitrile		-	ug/l		100 R	ug/l		-	ug/l		-	ug/l	
Chloroprene		-	ug/l		200 R	ug/l		-	ug/l		-	ug/l	
Methacrylonitrile		-	ug/l		5 U	ug/l	5	-	ug/l		-	ug/l	
Methyl methacrylate		-	ug/l		10 U	ug/l	10	-	ug/l		-	ug/l	
Pentachloroethane		-	ug/l		10 U	ug/l	10	-	ug/l		-	ug/l	
Propionitrile		-	ug/l		100 U	ug/l	100	-	ug/l		-	ug/l	
Vinyl acetate		-	ug/l		10 U	ug/l	10	-	ug/l		-	ug/l	
SEMIVOLATILES	ug/l												
N-Nitrosodimethylamine		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Phenol		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Aniline		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
bis(2-Chloroethyl) ether		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Benzyl Alcohol		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
2-Methylphenol		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
bis(2-Chloroisopropyl) ether		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
N-Nitroso-di-n-propylamine		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Hexachloroethane		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Nitrobenzene		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Isophorone		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
2-Nitrophenol		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
2,4-Dimethylphenol		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Benzoic acid		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
bis(2-Chloroethoxy) methane		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
2,4-Dichlorophenol		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
1,2,4-Trichlorobenzene		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Naphthalene		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
4-Chloroaniline		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Hexachlorobutadiene		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
4-Chloro-3-methylphenol		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
2-Methylnaphthalene		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Hexachlorocyclopentadiene		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
2,4,6-Trichlorophenol		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Dimethylphthalate		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
2,4,5-Trichlorophenol		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
2-Chloronaphthalene		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
2-Nitroaniline		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Acenaphthylene		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
2,6-Dinitrotoluene		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
3-Nitroaniline		-	ug/l		-	ug/l		-	ug/l		-	ug/l	

US Naval Station, Mayport, Florida
Analytical Results for Background Surface Water Samples

Lab Sample Number:	01529001			01537004			24099004			35195001		
Site	BACKGROUND			BACKGROUND			BACKGROUND			BACKGROUND		
Locator	MPTBSW5			MPTBSW5			MPTBSW5			MPTBSW5		
Collect Date:	18-FEB-93			18-FEB-93			18-FEB-93			18-FEB-93		
	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
Acenaphthene	-	ug/l		-	ug/l		-	ug/l		-	ug/l	
2,4-Dinitrophenol	-	ug/l		-	ug/l		-	ug/l		-	ug/l	
4-Nitrophenol	-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Dibenzofuran	-	ug/l		-	ug/l		-	ug/l		-	ug/l	
2,4-Dinitrotoluene	-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Diethylphthalate	-	ug/l		-	ug/l		-	ug/l		-	ug/l	
4-Chlorophenyl-phenylether	-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Fluorene	-	ug/l		-	ug/l		-	ug/l		-	ug/l	
4-Nitroaniline	-	ug/l		-	ug/l		-	ug/l		-	ug/l	
4,6-Dinitro-2-methylphenol	-	ug/l		-	ug/l		-	ug/l		-	ug/l	
N-Nitrosodiphenylamine	-	ug/l		-	ug/l		-	ug/l		-	ug/l	
1,2-Diphenylhydrazine	-	ug/l		-	ug/l		-	ug/l		-	ug/l	
4-Bromophenyl-phenylether	-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Hexachlorobenzene	-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Pentachlorophenol	-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Phenanthrene	-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Anthracene	-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Di-n-Butylphthalate	-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Fluoranthene	-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Pyrene	-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Butylbenzylphthalate	-	ug/l		-	ug/l		-	ug/l		-	ug/l	
3,3-Dichlorobenzidine	-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Benzo (a) anthracene	-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Chrysene	-	ug/l		-	ug/l		-	ug/l		-	ug/l	
bis(2-Ethylhexyl) phthalate	-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Di-n-octylphthalate	-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Benzo (b) fluoranthene	-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Benzo (k) fluoranthene	-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Benzo (a) pyrene	-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Indeno (1,2,3-cd) pyrene	-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Dibenzo (a,h) anthracene	-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Benzo (g,h,i) perylene	-	ug/l		-	ug/l		-	ug/l		-	ug/l	
2-Picoline	-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Methyl methanesulfonate	-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Ethyl methanesulfonate	-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Acetophenone	-	ug/l		-	ug/l		-	ug/l		-	ug/l	
N-Nitrosopiperidine	-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Phenyl-tert-butylamine	-	ug/l		-	ug/l		-	ug/l		-	ug/l	
2,6-Dichlorophenol	-	ug/l		-	ug/l		-	ug/l		-	ug/l	
N-Nitroso-di-n-butylamine	-	ug/l		-	ug/l		-	ug/l		-	ug/l	
N-Nitrosodiethylamine	-	ug/l		-	ug/l		-	ug/l		-	ug/l	
N-Nitrosopyrrolidine	-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Benzidine	-	ug/l		-	ug/l		-	ug/l		-	ug/l	
1,2,4,5-Tetrachlorobenzene	-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Pentachlorobenzene	-	ug/l		-	ug/l		-	ug/l		-	ug/l	
1-Naphthylamine	-	ug/l		-	ug/l		-	ug/l		-	ug/l	
2-Naphthylamine	-	ug/l		-	ug/l		-	ug/l		-	ug/l	
2,3,4,6-Tetrachlorophenol	-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Phenacetin	-	ug/l		-	ug/l		-	ug/l		-	ug/l	
4-Aminobiphenyl	-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Pentachloronitrobenzene	-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Pronamide	-	ug/l		-	ug/l		-	ug/l		-	ug/l	

US Naval Station, Mayport, Florida
Analytical Results for Background Surface Water Samples

Lab Sample Number:		01529001			01537004			24099004			35195001		
Site		BACKGROUND			BACKGROUND			BACKGROUND			BACKGROUND		
Locator		MPTBSW5			MPTBSW5			MPTBSW5			MPTBSW5		
Collect Date:		18-FEB-93			18-FEB-93			18-FEB-93			18-FEB-93		
		VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
p-Dimethylaminoazobenzene		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
7,12-Dimethylbenz(A)Anthracene		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
3-Methylcholanthrene		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Pyridine		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
N-Nitrosomethylethylamine		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
N-Nitrosomorpholine		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
o-Toluidine		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Hexachloropropene		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
p-Phenylenediamine		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Safrole		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Isosafrole		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
1,4-Naphthoquinone		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
1,3-Dinitrobenzene		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
5-Nitro-o-toluidine		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
1,3,5-Trinitrobenzene		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
4-Nitroquinoline-1-oxide		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Methapyrilene		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
3,3-Dimethylbenzidine		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Hexachlorophene		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Aramite		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
2-Chlorophenol		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
3- & 4-Methylphenol (2)		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Hexachloropropene		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
2-Acetylaminofluorene		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
PESTICIDES/PCBs	ug/l												
alpha-BHC		-	ug/l		-	ug/l		.02 U	ug/l	.02	-	ug/l	
beta-BHC		-	ug/l		-	ug/l		.04 U	ug/l	.04	-	ug/l	
delta-BHC		-	ug/l		-	ug/l		.02 U	ug/l	.02	-	ug/l	
gamma-BHC (Lindane)		-	ug/l		-	ug/l		.02 U	ug/l	.02	-	ug/l	
Heptachlor		-	ug/l		-	ug/l		.02 U	ug/l	.02	-	ug/l	
Aldrin		-	ug/l		-	ug/l		.02 U	ug/l	.02	-	ug/l	
Heptachlor epoxide		-	ug/l		-	ug/l		.02 U	ug/l	.02	-	ug/l	
Endosulfan I		-	ug/l		-	ug/l		.02 U	ug/l	.02	-	ug/l	
Dieldrin		-	ug/l		-	ug/l		.02 U	ug/l	.02	-	ug/l	
4,4-DDE		-	ug/l		-	ug/l		.02 U	ug/l	.02	-	ug/l	
Endrin		-	ug/l		-	ug/l		.04 U	ug/l	.04	-	ug/l	
Endosulfan II		-	ug/l		-	ug/l		.04 U	ug/l	.04	-	ug/l	
4,4-DDD		-	ug/l		-	ug/l		.04 U	ug/l	.04	-	ug/l	
Endosulfan sulfate		-	ug/l		-	ug/l		.04 U	ug/l	.04	-	ug/l	
4,4-DDT		-	ug/l		-	ug/l		.04 U	ug/l	.04	-	ug/l	
Methoxychlor		-	ug/l		-	ug/l		.08 U	ug/l	.08	-	ug/l	
Endrin aldehyde		-	ug/l		-	ug/l		.04 U	ug/l	.04	-	ug/l	
Endrin ketone		-	ug/l		-	ug/l		.02 U	ug/l	.02	-	ug/l	
Chlordane		-	ug/l		-	ug/l		.2 U	ug/l	.2	-	ug/l	
Chlorobenzilate		-	ug/l		-	ug/l		.5 U	ug/l	.5	-	ug/l	
Diallate		-	ug/l		-	ug/l		1 U	ug/l	1	-	ug/l	
Toxaphene		-	ug/l		-	ug/l		1 U	ug/l	1	-	ug/l	
Isodrin		-	ug/l		-	ug/l		.02 U	ug/l	.02	-	ug/l	
Kepone		-	ug/l		-	ug/l		1 U	ug/l	1	-	ug/l	
Aroclor-1016		-	ug/l		-	ug/l		1 U	ug/l	1	-	ug/l	
Aroclor-1221		-	ug/l		-	ug/l		2 U	ug/l	2	-	ug/l	

US Naval Station, Mayport, Florida
Analytical Results for Background Surface Water Samples

Lab Sample Number:		01529001				01537004				24099004				35195001		
Site		BACKGROUND				BACKGROUND				BACKGROUND				BACKGROUND		
Locator		MPTBSW5				MPTBSW5				MPTBSW5				MPTBSW5		
Collect Date:		18-FEB-93				18-FEB-93				18-FEB-93				18-FEB-93		
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Aroclor-1232		-		ug/l		-		ug/l		2	U	ug/l	2	-		ug/l	
Aroclor-1242		-		ug/l		-		ug/l		1	U	ug/l	1	-		ug/l	
Aroclor-1248		-		ug/l		-		ug/l		1	U	ug/l	1	-		ug/l	
Aroclor-1254		-		ug/l		-		ug/l		.5	U	ug/l	.5	-		ug/l	
Aroclor-1260		-		ug/l		-		ug/l		.5	U	ug/l	.5	-		ug/l	
INORGANICS (WATER)	ug/l																
Antimony		24.6	U	ug/l	24.6	-		ug/l		-		ug/l		-		ug/l	
Arsenic		3.8	J	ug/l		-		ug/l		-		ug/l		-		ug/l	
Barium		10.6	J	ug/l		-		ug/l		-		ug/l		-		ug/l	
Beryllium		.27	U	ug/l	.27	-		ug/l		-		ug/l		-		ug/l	
Cadmium		4	U	ug/l	4	-		ug/l		-		ug/l		-		ug/l	
Calcium		166000	J	ug/l		-		ug/l		-		ug/l		-		ug/l	
Chromium		2.4	U	ug/l	2.4	-		ug/l		-		ug/l		-		ug/l	
Cobalt		2.3	U	ug/l	2.3	-		ug/l		-		ug/l		-		ug/l	
Copper		2.4	J	ug/l		-		ug/l		-		ug/l		-		ug/l	
Cyanide		3	U	ug/l	3	-		ug/l		-		ug/l		-		ug/l	
Iron		187	U	ug/l	187	-		ug/l		-		ug/l		-		ug/l	
Lead		2.6	UJ	ug/l		-		ug/l		-		ug/l		-		ug/l	
Magnesium		453000		ug/l		-		ug/l		-		ug/l		-		ug/l	
Manganese		23.7		ug/l		-		ug/l		-		ug/l		-		ug/l	
Mercury		.1	U	ug/l	.1	-		ug/l		-		ug/l		-		ug/l	
Nickel		13	J	ug/l		-		ug/l		-		ug/l		-		ug/l	
Selenium		10.6	U	ug/l	10.6	-		ug/l		-		ug/l		-		ug/l	
Silver		2.4	U	ug/l	2.4	-		ug/l		-		ug/l		-		ug/l	
Sodium		55.6	U	ug/l	55.6	-		ug/l		-		ug/l		-		ug/l	
Thallium		73.7	J	ug/l		-		ug/l		-		ug/l		-		ug/l	
Tin		776		ug/l		-		ug/l		-		ug/l		-		ug/l	
Vanadium		5	J	ug/l		-		ug/l		-		ug/l		-		ug/l	
Zinc		6.6	U	ug/l	6.6	-		ug/l		-		ug/l		-		ug/l	
GROUND WATER QUALITY	mg/l																
Alkalinity as CaCO3		-		mg/l		-		mg/l		-		mg/l		116		mg/l	
Ammonia-N		-		mg/l		-		mg/l		-		mg/l		.6	U	mg/l	.6
Chloride		-		mg/l		-		mg/l		-		mg/l		8680		mg/l	
Hardness as CaCO3		-		mg/l		-		mg/l		-		mg/l		2630		mg/l	
Nitrate/Nitrite-N		-		mg/l		-		mg/l		-		mg/l		-		mg/l	
Oil and Grease		-		mg/l		-		mg/l		-		mg/l		5	U	mg/l	5
Phosphorous-P, Total		-		mg/l		-		mg/l		-		mg/l		.17		mg/l	
Sulfate		-		mg/l		-		mg/l		-		mg/l		1100		mg/l	
Sulfide		-		mg/l		-		mg/l		-		mg/l		.4	U	mg/l	.4
Total Dissolved Solids		-		mg/l		-		mg/l		-		mg/l		14400		mg/l	
Total Kjeldahl Nitrogen		-		mg/l		-		mg/l		-		mg/l		15.8		mg/l	
Total Organic Carbon		-		mg/l		-		mg/l		-		mg/l		12.8		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.

US Naval Station, Mayport, Florida
Analytical Results for Background Surface Water Samples

Lab Sample Number:		35196004			01528004			01538004			24081004		
Site		BACKGROUND			BACKGROUND			BACKGROUND			BACKGROUND		
Locator		MPTBSW5			MPTBSW6			MPTBSW6			MPTBSW6		
Collect Date:		18-FEB-93			17-FEB-93			17-FEB-93			17-FEB-93		
		VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
VOLATILES	ug/l												
Chloromethane		-	ug/l		-	ug/l		10 U	ug/l	10	-	ug/l	
Bromomethane		-	ug/l		-	ug/l		10 U	ug/l	10	-	ug/l	
Vinyl chloride		-	ug/l		-	ug/l		10 U	ug/l	10	-	ug/l	
Chloroethane		-	ug/l		-	ug/l		10 U	ug/l	10	-	ug/l	
Methylene chloride		-	ug/l		-	ug/l		5 U	ug/l	5	-	ug/l	
Acetone		-	ug/l		-	ug/l		10 U	ug/l	10	-	ug/l	
Carbon disulfide		-	ug/l		-	ug/l		5 U	ug/l	5	-	ug/l	
1,1-Dichloroethane		-	ug/l		-	ug/l		5 U	ug/l	5	-	ug/l	
1,1-Dichloroethene		-	ug/l		-	ug/l		5 U	ug/l	5	-	ug/l	
1,2-Dichloroethene (total)		-	ug/l		-	ug/l		5 U	ug/l	5	-	ug/l	
Chloroform		-	ug/l		-	ug/l		5 U	ug/l	5	-	ug/l	
1,2-Dichloroethane		-	ug/l		-	ug/l		5 U	ug/l	5	-	ug/l	
2-Butanone		-	ug/l		-	ug/l		10 U	ug/l	10	-	ug/l	
1,1,1-Trichloroethane		-	ug/l		-	ug/l		5 U	ug/l	5	-	ug/l	
Carbon tetrachloride		-	ug/l		-	ug/l		5 U	ug/l	5	-	ug/l	
Bromodichloromethane		-	ug/l		-	ug/l		5 U	ug/l	5	-	ug/l	
1,2-Dichloropropane		-	ug/l		-	ug/l		5 U	ug/l	5	-	ug/l	
cis-1,3-Dichloropropene		-	ug/l		-	ug/l		5 U	ug/l	5	-	ug/l	
Trichloroethene		-	ug/l		-	ug/l		5 U	ug/l	5	-	ug/l	
Dibromochloromethane		-	ug/l		-	ug/l		5 U	ug/l	5	-	ug/l	
1,1,2-Trichloroethane		-	ug/l		-	ug/l		5 U	ug/l	5	-	ug/l	
Benzene		-	ug/l		-	ug/l		5 U	ug/l	5	-	ug/l	
trans-1,3-Dichloropropene		-	ug/l		-	ug/l		5 U	ug/l	5	-	ug/l	
Bromoform		-	ug/l		-	ug/l		5 U	ug/l	5	-	ug/l	
4-Methyl-2-pentanone		-	ug/l		-	ug/l		10 U	ug/l	10	-	ug/l	
2-Hexanone		-	ug/l		-	ug/l		10 U	ug/l	10	-	ug/l	
Tetrachloroethene		-	ug/l		-	ug/l		5 U	ug/l	5	-	ug/l	
1,1,2,2-Tetrachloroethane		-	ug/l		-	ug/l		5 U	ug/l	5	-	ug/l	
Toluene		-	ug/l		-	ug/l		5 U	ug/l	5	-	ug/l	
Chlorobenzene		-	ug/l		-	ug/l		5 U	ug/l	5	-	ug/l	
Ethylbenzene		-	ug/l		-	ug/l		5 U	ug/l	5	-	ug/l	
Styrene		-	ug/l		-	ug/l		5 U	ug/l	5	-	ug/l	
Xylenes (total)		-	ug/l		-	ug/l		5 U	ug/l	5	-	ug/l	
Dichlorodifluoromethane		-	ug/l		-	ug/l		10 U	ug/l	10	-	ug/l	
Trichlorofluoromethane		-	ug/l		-	ug/l		5 U	ug/l	5	-	ug/l	
1,3-Dichlorobenzene		10 U	ug/l	10	-	ug/l		5 U	ug/l	5	-	ug/l	
Acrolein		-	ug/l		-	ug/l		100 R	ug/l		-	ug/l	
Iodomethane		-	ug/l		-	ug/l		10 U	ug/l	10	-	ug/l	
1,4-Dichlorobenzene		10 U	ug/l	10	-	ug/l		5 U	ug/l	5	-	ug/l	
Acrylonitrile		-	ug/l		-	ug/l		100 U	ug/l	100	-	ug/l	

US Naval Station, Mayport, Florida
Analytical Results for Background Surface Water Samples

Lab Sample Number:		35196004				01528004				01538004				24081004		
Site		BACKGROUND				BACKGROUND				BACKGROUND				BACKGROUND		
Locator		MPTBSW5				MPTBSW6				MPTBSW6				MPTBSW6		
Collect Date:		18-FEB-93				17-FEB-93				17-FEB-93				17-FEB-93		
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Dibromomethane		-		ug/l		-		ug/l		5	U	ug/l	5	-		ug/l	
1,2-Dichlorobenzene		10	U	ug/l	10	-		ug/l		5	U	ug/l	5	-		ug/l	
2-Chloroethylvinyl ether		-		ug/l		-		ug/l		10	U	ug/l	10	-		ug/l	
Ethyl methacrylate		-		ug/l		-		ug/l		5	U	ug/l	5	-		ug/l	
1,2,3-Trichloropropane		-		ug/l		-		ug/l		5	U	ug/l	5	-		ug/l	
trans-1,4-Dichloro-2-butene		-		ug/l		-		ug/l		5	U	ug/l	5	-		ug/l	
Isobutyl alcohol		-		ug/l		-		ug/l		1000	R	ug/l		-		ug/l	
1,1,1,2-Tetrachloroethane		-		ug/l		-		ug/l		5	U	ug/l	5	-		ug/l	
1,2-Dibromo-3-chloropropane		-		ug/l		-		ug/l		10	J	ug/l		-		ug/l	
Ethylene dibromide		-		ug/l		-		ug/l		5	U	ug/l	5	-		ug/l	
1,4-Dioxane		-		ug/l		-		ug/l		200	R	ug/l		-		ug/l	
3-Chloropropene		-		ug/l		-		ug/l		5	U	ug/l	5	-		ug/l	
Acetonitrile		-		ug/l		-		ug/l		100	R	ug/l		-		ug/l	
Chloroprene		-		ug/l		-		ug/l		200	R	ug/l		-		ug/l	
Methacrylonitrile		-		ug/l		-		ug/l		5	U	ug/l	5	-		ug/l	
Methyl methacrylate		-		ug/l		-		ug/l		10	U	ug/l	10	-		ug/l	
Pentachloroethane		-		ug/l		-		ug/l		10	U	ug/l	10	-		ug/l	
Propionitrile		-		ug/l		-		ug/l		100	U	ug/l	100	-		ug/l	
Vinyl acetate		-		ug/l		-		ug/l		10	U	ug/l	10	-		ug/l	
SEMIVOLATILES	ug/l																
N-Nitrosodimethylamine		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
Phenol		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
Aniline		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
bis(2-Chloroethyl) ether		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
Benzyl Alcohol		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
2-Methylphenol		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
bis(2-Chloroisopropyl) ether		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
N-Nitroso-di-n-propylamine		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
Hexachloroethane		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
Nitrobenzene		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
Isophorone		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
2-Nitrophenol		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
2,4-Dimethylphenol		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
Benzoic acid		50	U	ug/l	50	-		ug/l		-		ug/l		-		ug/l	
bis(2-Chloroethoxy) methane		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
2,4-Dichlorophenol		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
1,2,4-Trichlorobenzene		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
Naphthalene		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
4-Chloroaniline		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
Hexachlorobutadiene		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
4-Chloro-3-methylphenol		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
2-Methylnaphthalene		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
Hexachlorocyclopentadiene		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
2,4,6-Trichlorophenol		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
Dimethylphthalate		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
2,4,5-Trichlorophenol		50	U	ug/l	50	-		ug/l		-		ug/l		-		ug/l	
2-Chloronaphthalene		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
2-Nitroaniline		50	U	ug/l	50	-		ug/l		-		ug/l		-		ug/l	
Acenaphthylene		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
2,6-Dinitrotoluene		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
3-Nitroaniline		50	U	ug/l	50	-		ug/l		-		ug/l		-		ug/l	

US Naval Station, Mayport, Florida
Analytical Results for Background Surface Water Samples

Lab Sample Number:	35196004				01528004				01538004				24081004		
Site	BACKGROUND				BACKGROUND				BACKGROUND				BACKGROUND		
Locator	MPTBSW5				MPTBSW6				MPTBSW6				MPTBSW6		
Collect Date:	18-FEB-93				17-FEB-93				17-FEB-93				17-FEB-93		
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Acenaphthene	10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
2,4-Dinitrophenol	50	U	ug/l	50	-		ug/l		-		ug/l		-		ug/l	
4-Nitrophenol	50	U	ug/l	50	-		ug/l		-		ug/l		-		ug/l	
Dibenzofuran	10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
2,4-Dinitrotoluene	10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
Diethylphthalate	10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
4-Chlorophenyl-phenylether	10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
Fluorene	10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
4-Nitroaniline	50	U	ug/l	50	-		ug/l		-		ug/l		-		ug/l	
4,6-Dinitro-2-methylphenol	50	U	ug/l	50	-		ug/l		-		ug/l		-		ug/l	
N-Nitrosodiphenylamine	10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
1,2-Diphenylhydrazine	10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
4-Bromophenyl-phenylether	10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
Hexachlorobenzene	10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
Pentachlorophenol	50	U	ug/l	50	-		ug/l		-		ug/l		-		ug/l	
Phenanthrene	10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
Anthracene	10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
Di-n-Butylphthalate	10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
Fluoranthene	10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
Pyrene	10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
Butylbenzylphthalate	10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
3,3-Dichlorobenzidine	20	U	ug/l	20	-		ug/l		-		ug/l		-		ug/l	
Benzo (a) anthracene	10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
Chrysene	10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
bis(2-Ethylhexyl) phthalate	40	U	ug/l	40	-		ug/l		-		ug/l		-		ug/l	
Di-n-octylphthalate	10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
Benzo (b) fluoranthene	10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
Benzo (k) fluoranthene	10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
Benzo (a) pyrene	10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
Indeno (1,2,3-cd) pyrene	10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
Dibenzo (a,h) anthracene	10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
Benzo (g,h,i) perylene	10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
2-Picoline	50	U	ug/l	50	-		ug/l		-		ug/l		-		ug/l	
Methyl methanesulfonate	10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
Ethyl methanesulfonate	10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
Acetophenone	10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
N-Nitrosopiperidine	10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
Phenyl-tert-butylamine	50	R	ug/l		-		ug/l		-		ug/l		-		ug/l	
2,6-Dichlorophenol	10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
N-Nitroso-di-n-butylamine	10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
N-Nitrosodiethylamine	10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
N-Nitrosopyrrolidine	10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
Benzidine	50	U	ug/l	50	-		ug/l		-		ug/l		-		ug/l	
1,2,4,5-Tetrachlorobenzene	50	U	ug/l	50	-		ug/l		-		ug/l		-		ug/l	
Pentachlorobenzene	50	U	ug/l	50	-		ug/l		-		ug/l		-		ug/l	
1-Naphthylamine	50	U	ug/l	50	-		ug/l		-		ug/l		-		ug/l	
2-Naphthylamine	50	U	ug/l	50	-		ug/l		-		ug/l		-		ug/l	
2,3,4,6-Tetrachlorophenol	10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
Phenacetin	10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
4-Aminobiphenyl	50	U	ug/l	50	-		ug/l		-		ug/l		-		ug/l	
Pentachloronitrobenzene	50	R	ug/l		-		ug/l		-		ug/l		-		ug/l	
Pronamide	10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	

US Naval Station, Mayport, Florida
Analytical Results for Background Surface Water Samples

Lab Sample Number:		35196004				01528004				01538004				24081004		
Site		BACKGROUND				BACKGROUND				BACKGROUND				BACKGROUND		
Locator		MPTBSW5				MPTBSW6				MPTBSW6				MPTBSW6		
Collect Date:		18-FEB-93				17-FEB-93				17-FEB-93				17-FEB-93		
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
p-Dimethylaminoazobenzene		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
7,12-Dimethylbenz(A)Anthracene		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
3-Methylcholanthrene		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
Pyridine		50	U	ug/l	50	-		ug/l		-		ug/l		-		ug/l	
N-Nitrosomethylethylamine		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
N-Nitrosomorpholine		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
o-Toluidine		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
Hexachloropropene		50	U	ug/l	50	-		ug/l		-		ug/l		-		ug/l	
p-Phenylenediamine		500	R	ug/l		-		ug/l		-		ug/l		-		ug/l	
Safrole		50	U	ug/l	50	-		ug/l		-		ug/l		-		ug/l	
Isosafrole		50	U	ug/l	50	-		ug/l		-		ug/l		-		ug/l	
1,4-Naphthoquinone		1000	U	ug/l	1000	-		ug/l		-		ug/l		-		ug/l	
1,3-Dinitrobenzene		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
5-Nitro-o-toluidine		10	R	ug/l		-		ug/l		-		ug/l		-		ug/l	
1,3,5-Trinitrobenzene		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
4-Nitroquinoline-1-oxide		500	R	ug/l		-		ug/l		-		ug/l		-		ug/l	
Methapyrilene		50	UJ	ug/l		-		ug/l		-		ug/l		-		ug/l	
3,3-Dimethylbenzidine		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
Hexachlorophene		500	R	ug/l		-		ug/l		-		ug/l		-		ug/l	
Aramite		50	R	ug/l		-		ug/l		-		ug/l		-		ug/l	
2-Chlorophenol		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
3- & 4-Methylphenol (2)		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Hexachloropropene		50	U	ug/l	50	-		ug/l		-		ug/l		-		ug/l	
2-Acetylaminofluorene		10		ug/l		-		ug/l		-		ug/l		-		ug/l	
PESTICIDES/PCBs	ug/l																
alpha-BHC		-		ug/l		-		ug/l		-		ug/l		.02	U	ug/l	.02
beta-BHC		-		ug/l		-		ug/l		-		ug/l		.04	U	ug/l	.04
delta-BHC		-		ug/l		-		ug/l		-		ug/l		.02	U	ug/l	.02
gamma-BHC (Lindane)		-		ug/l		-		ug/l		-		ug/l		.02	U	ug/l	.02
Heptachlor		-		ug/l		-		ug/l		-		ug/l		.02	U	ug/l	.02
Aldrin		-		ug/l		-		ug/l		-		ug/l		.02	U	ug/l	.02
Heptachlor epoxide		-		ug/l		-		ug/l		-		ug/l		.02	U	ug/l	.02
Endosulfan I		-		ug/l		-		ug/l		-		ug/l		.02	U	ug/l	.02
Dieldrin		-		ug/l		-		ug/l		-		ug/l		.02	U	ug/l	.02
4,4-DDE		-		ug/l		-		ug/l		-		ug/l		.02	U	ug/l	.02
Endrin		-		ug/l		-		ug/l		-		ug/l		.04	U	ug/l	.04
Endosulfan II		-		ug/l		-		ug/l		-		ug/l		.04	U	ug/l	.04
4,4-DDD		-		ug/l		-		ug/l		-		ug/l		.04	U	ug/l	.04
Endosulfan sulfate		-		ug/l		-		ug/l		-		ug/l		.04	U	ug/l	.04
4,4-DDT		-		ug/l		-		ug/l		-		ug/l		.04	U	ug/l	.04
Methoxychlor		-		ug/l		-		ug/l		-		ug/l		.08	U	ug/l	.08
Endrin aldehyde		-		ug/l		-		ug/l		-		ug/l		.04	U	ug/l	.04
Endrin ketone		-		ug/l		-		ug/l		-		ug/l		.02	U	ug/l	.02
Chlordane		-		ug/l		-		ug/l		-		ug/l		.2	U	ug/l	.2
Chlorobenzilate		-		ug/l		-		ug/l		-		ug/l		.5	U	ug/l	.5
Diallate		-		ug/l		-		ug/l		-		ug/l		1	U	ug/l	1
Toxaphene		-		ug/l		-		ug/l		-		ug/l		1	U	ug/l	1
Isodrin		-		ug/l		-		ug/l		-		ug/l		.02	U	ug/l	.02
Kepone		-		ug/l		-		ug/l		-		ug/l		1	U	ug/l	1
Aroclor-1016		-		ug/l		-		ug/l		-		ug/l		1	U	ug/l	1
Aroclor-1221		-		ug/l		-		ug/l		-		ug/l		2	U	ug/l	2

US Naval Station, Mayport, Florida
Analytical Results for Background Surface Water Samples

Lab Sample Number:		35196004			01528004			01538004			24081004		
Site		BACKGROUND			BACKGROUND			BACKGROUND			BACKGROUND		
Locator		MPTBSW5			MPTBSW6			MPTBSW6			MPTBSW6		
Collect Date:		18-FEB-93			17-FEB-93			17-FEB-93			17-FEB-93		
		VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
Aroclor-1232		-	ug/l		-	ug/l		-	ug/l		2 U	ug/l	2
Aroclor-1242		-	ug/l		-	ug/l		-	ug/l		1 U	ug/l	1
Aroclor-1248		-	ug/l		-	ug/l		-	ug/l		1 U	ug/l	1
Aroclor-1254		-	ug/l		-	ug/l		-	ug/l		.5 U	ug/l	.5
Aroclor-1260		-	ug/l		-	ug/l		-	ug/l		.5 U	ug/l	.5
INORGANICS (WATER)	ug/l												
Antimony		-	ug/l		24.6 U	ug/l	24.6	-	ug/l		-	ug/l	
Arsenic		-	ug/l		8.1 J	ug/l		-	ug/l		-	ug/l	
Barium		-	ug/l		11.6 J	ug/l		-	ug/l		-	ug/l	
Beryllium		-	ug/l		.27 U	ug/l	.27	-	ug/l		-	ug/l	
Cadmium		-	ug/l		4 U	ug/l	4	-	ug/l		-	ug/l	
Calcium		-	ug/l		159000 J	ug/l		-	ug/l		-	ug/l	
Chromium		-	ug/l		2.4 U	ug/l	2.4	-	ug/l		-	ug/l	
Cobalt		-	ug/l		2.3 U	ug/l	2.3	-	ug/l		-	ug/l	
Copper		-	ug/l		1.7 U	ug/l	1.7	-	ug/l		-	ug/l	
Cyanide		-	ug/l		3 U	ug/l	3	-	ug/l		-	ug/l	
Iron		-	ug/l		155	ug/l		-	ug/l		-	ug/l	
Lead		-	ug/l		2.6 R	ug/l		-	ug/l		-	ug/l	
Magnesium		-	ug/l		345000	ug/l		-	ug/l		-	ug/l	
Manganese		-	ug/l		36.5	ug/l		-	ug/l		-	ug/l	
Mercury		-	ug/l		.1 U	ug/l	.1	-	ug/l		-	ug/l	
Nickel		-	ug/l		12.5 U	ug/l	12.5	-	ug/l		-	ug/l	
Selenium		-	ug/l		10.6 U	ug/l	10.6	-	ug/l		-	ug/l	
Silver		-	ug/l		2.4 U	ug/l	2.4	-	ug/l		-	ug/l	
Sodium		-	ug/l		55.6 U	ug/l	55.6	-	ug/l		-	ug/l	
Thallium		-	ug/l		12.7 R	ug/l		-	ug/l		-	ug/l	
Tin		-	ug/l		34.8 U	ug/l	34.8	-	ug/l		-	ug/l	
Vanadium		-	ug/l		5.2 J	ug/l		-	ug/l		-	ug/l	
Zinc		-	ug/l		1.6 UJ	ug/l		-	ug/l		-	ug/l	
GROUND WATER QUALITY	mg/l												
Alkalinity as CaCO3		-	mg/l		-	mg/l		-	mg/l		-	mg/l	
Ammonia-N		-	mg/l		-	mg/l		-	mg/l		-	mg/l	
Chloride		-	mg/l		-	mg/l		-	mg/l		-	mg/l	
Hardness as CaCO3		-	mg/l		-	mg/l		-	mg/l		-	mg/l	
Nitrate/Nitrite-N		-	mg/l		-	mg/l		-	mg/l		-	mg/l	
Oil and Grease		-	mg/l		-	mg/l		-	mg/l		-	mg/l	
Phosphorous-P, Total		-	mg/l		-	mg/l		-	mg/l		-	mg/l	
Sulfate		-	mg/l		-	mg/l		-	mg/l		-	mg/l	
Sulfide		-	mg/l		-	mg/l		-	mg/l		-	mg/l	
Total Dissolved Solids		-	mg/l		-	mg/l		-	mg/l		-	mg/l	
Total Kjeldahl Nitrogen		-	mg/l		-	mg/l		-	mg/l		-	mg/l	
Total Organic Carbon		-	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.

US Naval Station, Mayport, Florida
Analytical Results for Background Surface Water Samples

Lab Sample Number:		35168004			35170006			01528002			01538002		
Site		BACKGROUND			BACKGROUND			BACKGROUND			BACKGROUND		
Locator		MPTBSW6			MPTBSW6			MPTBSW7			MPTBSW7		
Collect Date:		17-FEB-93			17-FEB-93			17-FEB-93			17-FEB-93		
		VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
VOLATILES	ug/l												
Chloromethane		-	ug/l		-	ug/l		-	ug/l		10 U	ug/l	10
Bromomethane		-	ug/l		-	ug/l		-	ug/l		10 U	ug/l	10
Vinyl chloride		-	ug/l		-	ug/l		-	ug/l		10 U	ug/l	10
Chloroethane		-	ug/l		-	ug/l		-	ug/l		10 U	ug/l	10
Methylene chloride		-	ug/l		-	ug/l		-	ug/l		5 U	ug/l	5
Acetone		-	ug/l		-	ug/l		-	ug/l		10 U	ug/l	10
Carbon disulfide		-	ug/l		-	ug/l		-	ug/l		5 U	ug/l	5
1,1-Dichloroethane		-	ug/l		-	ug/l		-	ug/l		5 U	ug/l	5
1,1-Dichloroethene		-	ug/l		-	ug/l		-	ug/l		5 U	ug/l	5
1,2-Dichloroethene (total)		-	ug/l		-	ug/l		-	ug/l		5 U	ug/l	5
Chloroform		-	ug/l		-	ug/l		-	ug/l		5 U	ug/l	5
1,2-Dichloroethane		-	ug/l		-	ug/l		-	ug/l		5 U	ug/l	5
2-Butanone		-	ug/l		-	ug/l		-	ug/l		10 U	ug/l	10
1,1,1-Trichloroethane		-	ug/l		-	ug/l		-	ug/l		5 U	ug/l	5
Carbon tetrachloride		-	ug/l		-	ug/l		-	ug/l		5 U	ug/l	5
Bromodichloromethane		-	ug/l		-	ug/l		-	ug/l		5 U	ug/l	5
1,2-Dichloropropane		-	ug/l		-	ug/l		-	ug/l		5 U	ug/l	5
cis-1,3-Dichloropropene		-	ug/l		-	ug/l		-	ug/l		5 U	ug/l	5
Trichloroethene		-	ug/l		-	ug/l		-	ug/l		5 U	ug/l	5
Dibromochloromethane		-	ug/l		-	ug/l		-	ug/l		5 U	ug/l	5
1,1,2-Trichloroethane		-	ug/l		-	ug/l		-	ug/l		5 U	ug/l	5
Benzene		-	ug/l		-	ug/l		-	ug/l		5 U	ug/l	5
trans-1,3-Dichloropropene		-	ug/l		-	ug/l		-	ug/l		5 U	ug/l	5
Bromoform		-	ug/l		-	ug/l		-	ug/l		5 U	ug/l	5
4-Methyl-2-pentanone		-	ug/l		-	ug/l		-	ug/l		10 U	ug/l	10
2-Hexanone		-	ug/l		-	ug/l		-	ug/l		10 U	ug/l	10
Tetrachloroethene		-	ug/l		-	ug/l		-	ug/l		5 U	ug/l	5
1,1,2,2-Tetrachloroethane		-	ug/l		-	ug/l		-	ug/l		5 U	ug/l	5
Toluene		-	ug/l		-	ug/l		-	ug/l		5 U	ug/l	5
Chlorobenzene		-	ug/l		-	ug/l		-	ug/l		5 U	ug/l	5
Ethylbenzene		-	ug/l		-	ug/l		-	ug/l		5 U	ug/l	5
Styrene		-	ug/l		-	ug/l		-	ug/l		5 U	ug/l	5
Xylenes (total)		-	ug/l		-	ug/l		-	ug/l		5 U	ug/l	5
Dichlorodifluoromethane		-	ug/l		-	ug/l		-	ug/l		10 U	ug/l	10
Trichlorofluoromethane		-	ug/l		-	ug/l		-	ug/l		5 U	ug/l	5
1,3-Dichlorobenzene		10 U	ug/l	10	-	ug/l		-	ug/l		5 U	ug/l	5
Acrolein		-	ug/l		-	ug/l		-	ug/l		100 R	ug/l	
Iodomethane		-	ug/l		-	ug/l		-	ug/l		10 U	ug/l	10
1,4-Dichlorobenzene		10 U	ug/l	10	-	ug/l		-	ug/l		5 U	ug/l	5
Acrylonitrile		-	ug/l		-	ug/l		-	ug/l		100 U	ug/l	100

US Naval Station, Mayport, Florida
Analytical Results for Background Surface Water Samples

Lab Sample Number:		35168004				35170006				01528002				01538002			
Site		BACKGROUND				BACKGROUND				BACKGROUND				BACKGROUND			
Locator		MPTBSW6				MPTBSW6				MPTBSW7				MPTBSW7			
Collect Date:		17-FEB-93				17-FEB-93				17-FEB-93				17-FEB-93			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Dibromomethane		-		ug/l		-		ug/l		-		ug/l		5	U	ug/l	5
1,2-Dichlorobenzene		10	U	ug/l	10	-		ug/l		-		ug/l		5	U	ug/l	5
2-Chloroethylvinyl ether		-		ug/l		-		ug/l		-		ug/l		10	U	ug/l	10
Ethyl methacrylate		-		ug/l		-		ug/l		-		ug/l		5	U	ug/l	5
1,2,3-Trichloropropane		-		ug/l		-		ug/l		-		ug/l		5	U	ug/l	5
trans-1,4-Dichloro-2-butene		-		ug/l		-		ug/l		-		ug/l		5	U	ug/l	5
Isobutyl alcohol		-		ug/l		-		ug/l		-		ug/l		1000	R	ug/l	
1,1,1,2-Tetrachloroethane		-		ug/l		-		ug/l		-		ug/l		5	U	ug/l	5
1,2-Dibromo-3-chloropropane		-		ug/l		-		ug/l		-		ug/l		10	J	ug/l	
Ethylene dibromide		-		ug/l		-		ug/l		-		ug/l		5	U	ug/l	5
1,4-Dioxane		-		ug/l		-		ug/l		-		ug/l		200	R	ug/l	
3-Chloropropene		-		ug/l		-		ug/l		-		ug/l		5	U	ug/l	5
Acetonitrile		-		ug/l		-		ug/l		-		ug/l		100	R	ug/l	
Chloroprene		-		ug/l		-		ug/l		-		ug/l		200	R	ug/l	
Methacrylonitrile		-		ug/l		-		ug/l		-		ug/l		5	U	ug/l	5
Methyl methacrylate		-		ug/l		-		ug/l		-		ug/l		10	U	ug/l	10
Pentachloroethane		-		ug/l		-		ug/l		-		ug/l		10	U	ug/l	10
Propionitrile		-		ug/l		-		ug/l		-		ug/l		100	U	ug/l	100
Vinyl acetate		-		ug/l		-		ug/l		-		ug/l		10	U	ug/l	10
SEMIVOLATILES	ug/l																
N-Nitrosodimethylamine		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
Phenol		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
Aniline		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
bis(2-Chloroethyl) ether		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
Benzyl Alcohol		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
2-Methylphenol		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
bis(2-Chloroisopropyl) ether		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
N-Nitroso-di-n-propylamine		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
Hexachloroethane		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
Nitrobenzene		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
Isophorone		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
2-Nitrophenol		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
2,4-Dimethylphenol		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
Benzoic acid		50	UJ	ug/l		-		ug/l		-		ug/l		-		ug/l	
bis(2-Chloroethoxy) methane		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
2,4-Dichlorophenol		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
1,2,4-Trichlorobenzene		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
Naphthalene		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
4-Chloroaniline		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
Hexachlorobutadiene		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
4-Chloro-3-methylphenol		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
2-Methylnaphthalene		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
Hexachlorocyclopentadiene		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
2,4,6-Trichlorophenol		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
Dimethylphthalate		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
2,4,5-Trichlorophenol		50	U	ug/l	50	-		ug/l		-		ug/l		-		ug/l	
2-Chloronaphthalene		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
2-Nitroaniline		50	U	ug/l	50	-		ug/l		-		ug/l		-		ug/l	
Acenaphthylene		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
2,6-Dinitrotoluene		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
3-Nitroaniline		50	U	ug/l	50	-		ug/l		-		ug/l		-		ug/l	

US Naval Station, Mayport, Florida
Analytical Results for Background Surface Water Samples

Lab Sample Number:	35168004				35170006				01528002				01538002			
Site	BACKGROUND				BACKGROUND				BACKGROUND				BACKGROUND			
Locator	MPTBSW6				MPTBSW6				MPTBSW7				MPTBSW7			
Collect Date:	17-FEB-93				17-FEB-93				17-FEB-93				17-FEB-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Acenaphthene	10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
2,4-Dinitrophenol	50	U	ug/l	50	-		ug/l		-		ug/l		-		ug/l	
4-Nitrophenol	50	U	ug/l	50	-		ug/l		-		ug/l		-		ug/l	
Dibenzofuran	10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
2,4-Dinitrotoluene	10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
Diethylphthalate	10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
4-Chlorophenyl-phenylether	10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
Fluorene	10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
4-Nitroaniline	50	U	ug/l	50	-		ug/l		-		ug/l		-		ug/l	
4,6-Dinitro-2-methylphenol	50	U	ug/l	50	-		ug/l		-		ug/l		-		ug/l	
N-Nitrosodiphenylamine	10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
1,2-Diphenylhydrazine	10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
4-Bromophenyl-phenylether	10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
Hexachlorobenzene	10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
Pentachlorophenol	50	U	ug/l	50	-		ug/l		-		ug/l		-		ug/l	
Phenanthrene	10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
Anthracene	10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
Di-n-Butylphthalate	10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
Fluoranthene	10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
Pyrene	10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
Butylbenzylphthalate	10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
3,3-Dichlorobenzidine	20	U	ug/l	20	-		ug/l		-		ug/l		-		ug/l	
Benzo (a) anthracene	10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
Chrysene	10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
bis(2-Ethylhexyl) phthalate	10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
Di-n-octylphthalate	10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
Benzo (b) fluoranthene	10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
Benzo (k) fluoranthene	10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
Benzo (a) pyrene	10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
Indeno (1,2,3-cd) pyrene	10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
Dibenzo (a,h) anthracene	10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
Benzo (g,h,i) perylene	10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
2-Picoline	50	U	ug/l	50	-		ug/l		-		ug/l		-		ug/l	
Methyl methanesulfonate	10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
Ethyl methanesulfonate	10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
Acetophenone	10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
N-Nitrosopiperidine	10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
Phenyl-tert-butylamine	50	U	ug/l	50	-		ug/l		-		ug/l		-		ug/l	
2,6-Dichlorophenol	10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
N-Nitroso-di-n-butylamine	10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
N-Nitrosodiethylamine	10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
N-Nitrosopyrrolidine	10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
Benzidine	50	U	ug/l	50	-		ug/l		-		ug/l		-		ug/l	
1,2,4,5-Tetrachlorobenzene	50	U	ug/l	50	-		ug/l		-		ug/l		-		ug/l	
Pentachlorobenzene	50	U	ug/l	50	-		ug/l		-		ug/l		-		ug/l	
1-Naphthylamine	50	R	ug/l		-		ug/l		-		ug/l		-		ug/l	
2-Naphthylamine	50	U	ug/l	50	-		ug/l		-		ug/l		-		ug/l	
2,3,4,6-Tetrachlorophenol	10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
Phenacetin	10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
4-Aminobiphenyl	50	UJ	ug/l		-		ug/l		-		ug/l		-		ug/l	
Pentachloronitrobenzene	50	U	ug/l	50	-		ug/l		-		ug/l		-		ug/l	
Pronamide	10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	

US Naval Station, Mayport, Florida
Analytical Results for Background Surface Water Samples

Lab Sample Number:		35168004				35170006				01528002				01538002		
Site		BACKGROUND				BACKGROUND				BACKGROUND				BACKGROUND		
Locator		MPTBSW6				MPTBSW6				MPTBSW7				MPTBSW7		
Collect Date:		17-FEB-93				17-FEB-93				17-FEB-93				17-FEB-93		
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
p-Dimethylaminoazobenzene		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
7,12-Dimethylbenz(A)Anthracene		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
3-Methylcholanthrene		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
Pyridine		50	U	ug/l	50	-		ug/l		-		ug/l		-		ug/l	
N-Nitrosomethylethylamine		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
N-Nitrosomorpholine		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
o-Toluidine		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
Hexachloropropene		50	U	ug/l	50	-		ug/l		-		ug/l		-		ug/l	
p-Phenylenediamine		500	U	ug/l	500	-		ug/l		-		ug/l		-		ug/l	
Safrole		50	U	ug/l	50	-		ug/l		-		ug/l		-		ug/l	
Isosafrole		50	U	ug/l	50	-		ug/l		-		ug/l		-		ug/l	
1,4-Naphthoquinone		1000	U	ug/l	1000	-		ug/l		-		ug/l		-		ug/l	
1,3-Dinitrobenzene		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
5-Nitro-o-toluidine		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
1,3,5-Trinitrobenzene		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
4-Nitroquinoline-1-oxide		500	R	ug/l		-		ug/l		-		ug/l		-		ug/l	
Methapyrilene		50	U	ug/l	50	-		ug/l		-		ug/l		-		ug/l	
3,3-Dimethylbenzidine		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
Hexachlorophene		500	U	ug/l	500	-		ug/l		-		ug/l		-		ug/l	
Aramite		50	R	ug/l		-		ug/l		-		ug/l		-		ug/l	
2-Chlorophenol		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
3- & 4-Methylphenol (2)		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Hexachloropropene		50	U	ug/l	50	-		ug/l		-		ug/l		-		ug/l	
2-Acetylaminofluorene		10	U	ug/l	10	-		ug/l		-		ug/l		-		ug/l	
PESTICIDES/PCBs	ug/l																
alpha-BHC		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
beta-BHC		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
delta-BHC		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
gamma-BHC (Lindane)		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Heptachlor		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Aldrin		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Heptachlor epoxide		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Endosulfan I		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Dieldrin		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
4,4-DDE		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Endrin		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Endosulfan II		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
4,4-DDD		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Endosulfan sulfate		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
4,4-DDT		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Methoxychlor		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Endrin aldehyde		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Endrin ketone		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Chlordane		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Chlorobenzilate		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Diallate		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Toxaphene		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Isodrin		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Kepone		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Aroclor-1016		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Aroclor-1221		-		ug/l		-		ug/l		-		ug/l		-		ug/l	

US Naval Station, Mayport, Florida
Analytical Results for Background Surface Water Samples

Lab Sample Number:		35168004			35170006			01528002			01538002		
Site		BACKGROUND			BACKGROUND			BACKGROUND			BACKGROUND		
Locator		MPTBSW6			MPTBSW6			MPTBSW7			MPTBSW7		
Collect Date:		17-FEB-93			17-FEB-93			17-FEB-93			17-FEB-93		
		VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
Aroclor-1232		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Aroclor-1242		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Aroclor-1248		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Aroclor-1254		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Aroclor-1260		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
INORGANICS (WATER)	ug/l												
Antimony		-	ug/l		-	ug/l		24.6 U	ug/l	24.6	-	ug/l	
Arsenic		-	ug/l		-	ug/l		5.1 U	ug/l	5.1	-	ug/l	
Barium		-	ug/l		-	ug/l		6.8 J	ug/l		-	ug/l	
Beryllium		-	ug/l		-	ug/l		.27 U	ug/l	.27	-	ug/l	
Cadmium		-	ug/l		-	ug/l		4 U	ug/l	4	-	ug/l	
Calcium		-	ug/l		-	ug/l		71600 J	ug/l		-	ug/l	
Chromium		-	ug/l		-	ug/l		2.4 U	ug/l	2.4	-	ug/l	
Cobalt		-	ug/l		-	ug/l		2.3 U	ug/l	2.3	-	ug/l	
Copper		-	ug/l		-	ug/l		1.7 U	ug/l	1.7	-	ug/l	
Cyanide		-	ug/l		-	ug/l		3 U	ug/l	3	-	ug/l	
Iron		-	ug/l		-	ug/l		92.5 J	ug/l		-	ug/l	
Lead		-	ug/l		-	ug/l		2.6 R	ug/l		-	ug/l	
Magnesium		-	ug/l		-	ug/l		54600	ug/l		-	ug/l	
Manganese		-	ug/l		-	ug/l		94	ug/l		-	ug/l	
Mercury		-	ug/l		-	ug/l		.1 U	ug/l	.1	-	ug/l	
Nickel		-	ug/l		-	ug/l		12.5 U	ug/l	12.5	-	ug/l	
Selenium		-	ug/l		-	ug/l		10.6 U	ug/l	10.6	-	ug/l	
Silver		-	ug/l		-	ug/l		2.4 U	ug/l	2.4	-	ug/l	
Sodium		-	ug/l		-	ug/l		386000	ug/l		-	ug/l	
Thallium		-	ug/l		-	ug/l		12.7 R	ug/l		-	ug/l	
Tin		-	ug/l		-	ug/l		34.8 U	ug/l	34.8	-	ug/l	
Vanadium		-	ug/l		-	ug/l		3.5 J	ug/l		-	ug/l	
Zinc		-	ug/l		-	ug/l		1.6 UJ	ug/l		-	ug/l	
GROUND WATER QUALITY	mg/l												
Alkalinity as CaCO3		-	mg/l		265	mg/l		-	mg/l		-	mg/l	
Ammonia-N		-	mg/l		.06 U	mg/l	.06	-	mg/l		-	mg/l	
Chloride		-	mg/l		5160	mg/l		-	mg/l		-	mg/l	
Hardness as CaCO3		-	mg/l		2150	mg/l		-	mg/l		-	mg/l	
Nitrate/Nitrite-N		-	mg/l		-	mg/l		-	mg/l		-	mg/l	
Oil and Grease		-	mg/l		5 U	mg/l	5	-	mg/l		-	mg/l	
Phosphorous-P, Total		-	mg/l		.4	mg/l		-	mg/l		-	mg/l	
Sulfate		-	mg/l		857	mg/l		-	mg/l		-	mg/l	
Sulfide		-	mg/l		.4 U	mg/l	.4	-	mg/l		-	mg/l	
Total Dissolved Solids		-	mg/l		10500	mg/l		-	mg/l		-	mg/l	
Total Kjeldahl Nitrogen		-	mg/l		1.06	mg/l		-	mg/l		-	mg/l	
Total Organic Carbon		-	mg/l		13	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.

US Naval Station, Mayport, Florida
Analytical Results for Background Surface Water Samples

Lab Sample Number:		24081002			35168002			35170005			01528003		
Site		BACKGROUND			BACKGROUND			BACKGROUND			BACKGROUND		
Locator		MPTBSW7			MPTBSW7			MPTBSW7			MPTBSW7D		
Collect Date:		17-FEB-93			17-FEB-93			17-FEB-93			17-FEB-93		
		VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
VOLATILES	ug/l												
Chloromethane		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Bromomethane		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Vinyl chloride		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Chloroethane		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Methylene chloride		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Acetone		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Carbon disulfide		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
1,1-Dichloroethane		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
1,1-Dichloroethene		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
1,2-Dichloroethene (total)		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Chloroform		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
1,2-Dichloroethane		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
2-Butanone		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
1,1,1-Trichloroethane		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Carbon tetrachloride		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Bromodichloromethane		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
1,2-Dichloropropane		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
cis-1,3-Dichloropropene		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Trichloroethene		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Dibromochloromethane		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
1,1,2-Trichloroethane		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Benzene		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
trans-1,3-Dichloropropene		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Bromoform		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
4-Methyl-2-pentanone		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
2-Hexanone		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Tetrachloroethene		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
1,1,2,2-Tetrachloroethane		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Toluene		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Chlorobenzene		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Ethylbenzene		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Styrene		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Xylenes (total)		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Dichlorodifluoromethane		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Trichlorofluoromethane		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
1,3-Dichlorobenzene		-	ug/l		10 U	ug/l	10	-	ug/l		-	ug/l	
Acrolein		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Iodomethane		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
1,4-Dichlorobenzene		-	ug/l		10 U	ug/l	10	-	ug/l		-	ug/l	
Acrylonitrile		-	ug/l		-	ug/l		-	ug/l		-	ug/l	

US Naval Station, Mayport, Florida
Analytical Results for Background Surface Water Samples

Lab Sample Number:		24081002			35168002			35170005			01528003		
Site		BACKGROUND			BACKGROUND			BACKGROUND			BACKGROUND		
Locator		MPTBSW7			MPTBSW7			MPTBSW7			MPTBSW7D		
Collect Date:		17-FEB-93			17-FEB-93			17-FEB-93			17-FEB-93		
		VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
Dibromomethane		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
1,2-Dichlorobenzene		-	ug/l		10 U	ug/l	10	-	ug/l		-	ug/l	
2-Chloroethylvinyl ether		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Ethyl methacrylate		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
1,2,3-Trichloropropane		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
trans-1,4-Dichloro-2-butene		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Isobutyl alcohol		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
1,1,1,2-Tetrachloroethane		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
1,2-Dibromo-3-chloropropane		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Ethylene dibromide		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
1,4-Dioxane		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
3-Chloropropene		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Acetonitrile		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Chloroprene		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Methacrylonitrile		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Methyl methacrylate		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Pentachloroethane		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Propionitrile		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Vinyl acetate		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
SEMIVOLATILES	ug/l												
N-Nitrosodimethylamine		-	ug/l		10 U	ug/l	10	-	ug/l		-	ug/l	
Phenol		-	ug/l		10 U	ug/l	10	-	ug/l		-	ug/l	
Aniline		-	ug/l		10 U	ug/l	10	-	ug/l		-	ug/l	
bis(2-Chloroethyl) ether		-	ug/l		10 U	ug/l	10	-	ug/l		-	ug/l	
Benzyl Alcohol		-	ug/l		10 U	ug/l	10	-	ug/l		-	ug/l	
2-Methylphenol		-	ug/l		10 U	ug/l	10	-	ug/l		-	ug/l	
bis(2-Chloroisopropyl) ether		-	ug/l		10 U	ug/l	10	-	ug/l		-	ug/l	
N-Nitroso-di-n-propylamine		-	ug/l		10 U	ug/l	10	-	ug/l		-	ug/l	
Hexachloroethane		-	ug/l		10 U	ug/l	10	-	ug/l		-	ug/l	
Nitrobenzene		-	ug/l		10 U	ug/l	10	-	ug/l		-	ug/l	
Isophorone		-	ug/l		10 U	ug/l	10	-	ug/l		-	ug/l	
2-Nitrophenol		-	ug/l		10 U	ug/l	10	-	ug/l		-	ug/l	
2,4-Dimethylphenol		-	ug/l		10 U	ug/l	10	-	ug/l		-	ug/l	
Benzoic acid		-	ug/l		50 UJ	ug/l		-	ug/l		-	ug/l	
bis(2-Chloroethoxy) methane		-	ug/l		10 U	ug/l	10	-	ug/l		-	ug/l	
2,4-Dichlorophenol		-	ug/l		10 U	ug/l	10	-	ug/l		-	ug/l	
1,2,4-Trichlorobenzene		-	ug/l		10 U	ug/l	10	-	ug/l		-	ug/l	
Naphthalene		-	ug/l		10 U	ug/l	10	-	ug/l		-	ug/l	
4-Chloroaniline		-	ug/l		10 U	ug/l	10	-	ug/l		-	ug/l	
Hexachlorobutadiene		-	ug/l		10 U	ug/l	10	-	ug/l		-	ug/l	
4-Chloro-3-methylphenol		-	ug/l		10 U	ug/l	10	-	ug/l		-	ug/l	
2-Methylnaphthalene		-	ug/l		10 U	ug/l	10	-	ug/l		-	ug/l	
Hexachlorocyclopentadiene		-	ug/l		10 U	ug/l	10	-	ug/l		-	ug/l	
2,4,6-Trichlorophenol		-	ug/l		10 U	ug/l	10	-	ug/l		-	ug/l	
Dimethylphthalate		-	ug/l		10 U	ug/l	10	-	ug/l		-	ug/l	
2,4,5-Trichlorophenol		-	ug/l		50 U	ug/l	50	-	ug/l		-	ug/l	
2-Chloronaphthalene		-	ug/l		10 U	ug/l	10	-	ug/l		-	ug/l	
2-Nitroaniline		-	ug/l		50 U	ug/l	50	-	ug/l		-	ug/l	
Acenaphthylene		-	ug/l		10 U	ug/l	10	-	ug/l		-	ug/l	
2,6-Dinitrotoluene		-	ug/l		10 U	ug/l	10	-	ug/l		-	ug/l	
3-Nitroaniline		-	ug/l		50 U	ug/l	50	-	ug/l		-	ug/l	

US Naval Station, Mayport, Florida
Analytical Results for Background Surface Water Samples

Lab Sample Number:	24081002			35168002			35170005			01528003		
Site	BACKGROUND			BACKGROUND			BACKGROUND			BACKGROUND		
Locator	MPTBSW7			MPTBSW7			MPTBSW7			MPTBSW7D		
Collect Date:	17-FEB-93			17-FEB-93			17-FEB-93			17-FEB-93		
	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
Acenaphthene	-	ug/l		10 U	ug/l	10	-	ug/l		-	ug/l	
2,4-Dinitrophenol	-	ug/l		50 U	ug/l	50	-	ug/l		-	ug/l	
4-Nitrophenol	-	ug/l		50 U	ug/l	50	-	ug/l		-	ug/l	
Dibenzofuran	-	ug/l		10 U	ug/l	10	-	ug/l		-	ug/l	
2,4-Dinitrotoluene	-	ug/l		10 U	ug/l	10	-	ug/l		-	ug/l	
Diethylphthalate	-	ug/l		10 U	ug/l	10	-	ug/l		-	ug/l	
4-Chlorophenyl-phenylether	-	ug/l		10 U	ug/l	10	-	ug/l		-	ug/l	
Fluorene	-	ug/l		10 U	ug/l	10	-	ug/l		-	ug/l	
4-Nitroaniline	-	ug/l		50 U	ug/l	50	-	ug/l		-	ug/l	
4,6-Dinitro-2-methylphenol	-	ug/l		50 U	ug/l	50	-	ug/l		-	ug/l	
N-Nitrosodiphenylamine	-	ug/l		10 U	ug/l	10	-	ug/l		-	ug/l	
1,2-Diphenylhydrazine	-	ug/l		10 U	ug/l	10	-	ug/l		-	ug/l	
4-Bromophenyl-phenylether	-	ug/l		10 U	ug/l	10	-	ug/l		-	ug/l	
Hexachlorobenzene	-	ug/l		10 U	ug/l	10	-	ug/l		-	ug/l	
Pentachlorophenol	-	ug/l		50 U	ug/l	50	-	ug/l		-	ug/l	
Phenanthrene	-	ug/l		10 U	ug/l	10	-	ug/l		-	ug/l	
Anthracene	-	ug/l		10 U	ug/l	10	-	ug/l		-	ug/l	
Di-n-Butylphthalate	-	ug/l		10 U	ug/l	10	-	ug/l		-	ug/l	
Fluoranthene	-	ug/l		10 U	ug/l	10	-	ug/l		-	ug/l	
Pyrene	-	ug/l		10 U	ug/l	10	-	ug/l		-	ug/l	
Butylbenzylphthalate	-	ug/l		10 U	ug/l	10	-	ug/l		-	ug/l	
3,3-Dichlorobenzidine	-	ug/l		20 U	ug/l	20	-	ug/l		-	ug/l	
Benzo (a) anthracene	-	ug/l		10 U	ug/l	10	-	ug/l		-	ug/l	
Chrysene	-	ug/l		10 U	ug/l	10	-	ug/l		-	ug/l	
bis(2-Ethylhexyl) phthalate	-	ug/l		10 U	ug/l	10	-	ug/l		-	ug/l	
Di-n-octylphthalate	-	ug/l		10 U	ug/l	10	-	ug/l		-	ug/l	
Benzo (b) fluoranthene	-	ug/l		10 U	ug/l	10	-	ug/l		-	ug/l	
Benzo (k) fluoranthene	-	ug/l		10 U	ug/l	10	-	ug/l		-	ug/l	
Benzo (a) pyrene	-	ug/l		10 U	ug/l	10	-	ug/l		-	ug/l	
Indeno (1,2,3-cd) pyrene	-	ug/l		10 U	ug/l	10	-	ug/l		-	ug/l	
Dibenzo (a,h) anthracene	-	ug/l		10 U	ug/l	10	-	ug/l		-	ug/l	
Benzo (g,h,i) perylene	-	ug/l		10 U	ug/l	10	-	ug/l		-	ug/l	
2-Picoline	-	ug/l		50 U	ug/l	50	-	ug/l		-	ug/l	
Methyl methanesulfonate	-	ug/l		10 U	ug/l	10	-	ug/l		-	ug/l	
Ethyl methanesulfonate	-	ug/l		10 U	ug/l	10	-	ug/l		-	ug/l	
Acetophenone	-	ug/l		10 U	ug/l	10	-	ug/l		-	ug/l	
N-Nitrosopiperidine	-	ug/l		10 U	ug/l	10	-	ug/l		-	ug/l	
Phenyl-tert-butylamine	-	ug/l		50 U	ug/l	50	-	ug/l		-	ug/l	
2,6-Dichlorophenol	-	ug/l		10 U	ug/l	10	-	ug/l		-	ug/l	
N-Nitroso-di-n-butylamine	-	ug/l		10 U	ug/l	10	-	ug/l		-	ug/l	
N-Nitrosodiethylamine	-	ug/l		10 U	ug/l	10	-	ug/l		-	ug/l	
N-Nitrosopyrrolidine	-	ug/l		10 U	ug/l	10	-	ug/l		-	ug/l	
Benzidine	-	ug/l		50 U	ug/l	50	-	ug/l		-	ug/l	
1,2,4,5-Tetrachlorobenzene	-	ug/l		50 U	ug/l	50	-	ug/l		-	ug/l	
Pentachlorobenzene	-	ug/l		50 U	ug/l	50	-	ug/l		-	ug/l	
1-Naphthylamine	-	ug/l		50 R	ug/l		-	ug/l		-	ug/l	
2-Naphthylamine	-	ug/l		50 U	ug/l	50	-	ug/l		-	ug/l	
2,3,4,6-Tetrachlorophenol	-	ug/l		10 U	ug/l	10	-	ug/l		-	ug/l	
Phenacetin	-	ug/l		10 U	ug/l	10	-	ug/l		-	ug/l	
4-Aminobiphenyl	-	ug/l		50 UJ	ug/l		-	ug/l		-	ug/l	
Pentachloronitrobenzene	-	ug/l		50 U	ug/l	50	-	ug/l		-	ug/l	
Pronamide	-	ug/l		10 U	ug/l	10	-	ug/l		-	ug/l	

US Naval Station, Mayport, Florida
Analytical Results for Background Surface Water Samples

Lab Sample Number:		24081002				35168002				35170005				01528003		
Site		BACKGROUND				BACKGROUND				BACKGROUND				BACKGROUND		
Locator		MPTBSW7				MPTBSW7				MPTBSW7				MPTBSW7D		
Collect Date:		17-FEB-93				17-FEB-93				17-FEB-93				17-FEB-93		
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
p-Dimethylaminoazobenzene		-		ug/l		10	U	ug/l	10	-		ug/l		-		ug/l	
7,12-Dimethylbenz(A)Anthracene		-		ug/l		10	U	ug/l	10	-		ug/l		-		ug/l	
3-Methylcholanthrene		-		ug/l		10	U	ug/l	10	-		ug/l		-		ug/l	
Pyridine		-		ug/l		50	U	ug/l	50	-		ug/l		-		ug/l	
N-Nitrosomethylethylamine		-		ug/l		10	U	ug/l	10	-		ug/l		-		ug/l	
N-Nitrosomorpholine		-		ug/l		10	U	ug/l	10	-		ug/l		-		ug/l	
o-Toluidine		-		ug/l		10	U	ug/l	10	-		ug/l		-		ug/l	
Hexachloropropene		-		ug/l		50	U	ug/l	50	-		ug/l		-		ug/l	
p-Phenylenediamine		-		ug/l		500	U	ug/l	500	-		ug/l		-		ug/l	
Safrole		-		ug/l		50	U	ug/l	50	-		ug/l		-		ug/l	
Isosafrole		-		ug/l		50	U	ug/l	50	-		ug/l		-		ug/l	
1,4-Naphthoquinone		-		ug/l		1000	U	ug/l	1000	-		ug/l		-		ug/l	
1,3-Dinitrobenzene		-		ug/l		10	U	ug/l	10	-		ug/l		-		ug/l	
5-Nitro-o-toluidine		-		ug/l		10	U	ug/l	10	-		ug/l		-		ug/l	
1,3,5-Trinitrobenzene		-		ug/l		10	U	ug/l	10	-		ug/l		-		ug/l	
4-Nitroquinoline-1-oxide		-		ug/l		500	R	ug/l		-		ug/l		-		ug/l	
Methapyrilene		-		ug/l		50	U	ug/l	50	-		ug/l		-		ug/l	
3,3-Dimethylbenzidine		-		ug/l		10	U	ug/l	10	-		ug/l		-		ug/l	
Hexachlorophene		-		ug/l		500	U	ug/l	500	-		ug/l		-		ug/l	
Aramite		-		ug/l		50	R	ug/l		-		ug/l		-		ug/l	
2-Chlorophenol		-		ug/l		10	U	ug/l	10	-		ug/l		-		ug/l	
3- & 4-Methylphenol (2)		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Hexachloropropene		-		ug/l		50	U	ug/l	50	-		ug/l		-		ug/l	
2-Acetylaminofluorene		-		ug/l		10	U	ug/l	10	-		ug/l		-		ug/l	
PESTICIDES/PCBs	ug/l																
alpha-BHC		.02	U	ug/l	.02	-		ug/l		-		ug/l		-		ug/l	
beta-BHC		.04	U	ug/l	.04	-		ug/l		-		ug/l		-		ug/l	
delta-BHC		.02	U	ug/l	.02	-		ug/l		-		ug/l		-		ug/l	
gamma-BHC (Lindane)		.02	U	ug/l	.02	-		ug/l		-		ug/l		-		ug/l	
Heptachlor		.02	U	ug/l	.02	-		ug/l		-		ug/l		-		ug/l	
Aldrin		.02	U	ug/l	.02	-		ug/l		-		ug/l		-		ug/l	
Heptachlor epoxide		.02	U	ug/l	.02	-		ug/l		-		ug/l		-		ug/l	
Endosulfan I		.02	U	ug/l	.02	-		ug/l		-		ug/l		-		ug/l	
Dieldrin		.02	U	ug/l	.02	-		ug/l		-		ug/l		-		ug/l	
4,4-DDE		.02	U	ug/l	.02	-		ug/l		-		ug/l		-		ug/l	
Endrin		.04	U	ug/l	.04	-		ug/l		-		ug/l		-		ug/l	
Endosulfan II		.04	U	ug/l	.04	-		ug/l		-		ug/l		-		ug/l	
4,4-DDD		.04	U	ug/l	.04	-		ug/l		-		ug/l		-		ug/l	
Endosulfan sulfate		.04	U	ug/l	.04	-		ug/l		-		ug/l		-		ug/l	
4,4-DDT		.04	U	ug/l	.04	-		ug/l		-		ug/l		-		ug/l	
Methoxychlor		.08	U	ug/l	.08	-		ug/l		-		ug/l		-		ug/l	
Endrin aldehyde		.04	U	ug/l	.04	-		ug/l		-		ug/l		-		ug/l	
Endrin ketone		.02	U	ug/l	.02	-		ug/l		-		ug/l		-		ug/l	
Chlordane		.2	U	ug/l	.2	-		ug/l		-		ug/l		-		ug/l	
Chlorobenzilate		.5	U	ug/l	.5	-		ug/l		-		ug/l		-		ug/l	
Diallate		1	U	ug/l	1	-		ug/l		-		ug/l		-		ug/l	
Toxaphene		1	U	ug/l	1	-		ug/l		-		ug/l		-		ug/l	
Isodrin		.02	U	ug/l	.02	-		ug/l		-		ug/l		-		ug/l	
Kepone		1	U	ug/l	1	-		ug/l		-		ug/l		-		ug/l	
Aroclor-1016		1	U	ug/l	1	-		ug/l		-		ug/l		-		ug/l	
Aroclor-1221		2	U	ug/l	2	-		ug/l		-		ug/l		-		ug/l	

US Naval Station, Mayport, Florida
Analytical Results for Background Surface Water Samples

Lab Sample Number:		24081002				35168002				35170005				01528003			
Site		BACKGROUND				BACKGROUND				BACKGROUND				BACKGROUND			
Locator		MPTBSW7				MPTBSW7				MPTBSW7				MPTBSW7D			
Collect Date:		17-FEB-93				17-FEB-93				17-FEB-93				17-FEB-93			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Aroclor-1232		2	U	ug/l	2	-		ug/l		-		ug/l		-		ug/l	
Aroclor-1242		1	U	ug/l	1	-		ug/l		-		ug/l		-		ug/l	
Aroclor-1248		1	U	ug/l	1	-		ug/l		-		ug/l		-		ug/l	
Aroclor-1254		.5	U	ug/l	.5	-		ug/l		-		ug/l		-		ug/l	
Aroclor-1260		.5	U	ug/l	.5	-		ug/l		-		ug/l		-		ug/l	
INORGANICS (WATER)	ug/l																
Antimony		-		ug/l		-		ug/l		-		ug/l		24.6	U	ug/l	24.6
Arsenic		-		ug/l		-		ug/l		-		ug/l		4.8	U	ug/l	4.8
Barium		-		ug/l		-		ug/l		-		ug/l		7.6	J	ug/l	
Beryllium		-		ug/l		-		ug/l		-		ug/l		.27	U	ug/l	.27
Cadmium		-		ug/l		-		ug/l		-		ug/l		4	U	ug/l	4
Calcium		-		ug/l		-		ug/l		-		ug/l		71100	J	ug/l	
Chromium		-		ug/l		-		ug/l		-		ug/l		2.4	U	ug/l	2.4
Cobalt		-		ug/l		-		ug/l		-		ug/l		2.3	U	ug/l	2.3
Copper		-		ug/l		-		ug/l		-		ug/l		1.7	U	ug/l	1.7
Cyanide		-		ug/l		-		ug/l		-		ug/l		3	U	ug/l	3
Iron		-		ug/l		-		ug/l		-		ug/l		85.7	J	ug/l	
Lead		-		ug/l		-		ug/l		-		ug/l		2.6	R	ug/l	
Magnesium		-		ug/l		-		ug/l		-		ug/l		54000		ug/l	
Manganese		-		ug/l		-		ug/l		-		ug/l		98.7		ug/l	
Mercury		-		ug/l		-		ug/l		-		ug/l		.1	U	ug/l	.1
Nickel		-		ug/l		-		ug/l		-		ug/l		12.5	U	ug/l	12.5
Selenium		-		ug/l		-		ug/l		-		ug/l		10.6	U	ug/l	10.6
Silver		-		ug/l		-		ug/l		-		ug/l		2.4	U	ug/l	2.4
Sodium		-		ug/l		-		ug/l		-		ug/l		380000		ug/l	
Thallium		-		ug/l		-		ug/l		-		ug/l		12.7	R	ug/l	
Tin		-		ug/l		-		ug/l		-		ug/l		34.8	U	ug/l	34.8
Vanadium		-		ug/l		-		ug/l		-		ug/l		2.2	U	ug/l	2.2
Zinc		-		ug/l		-		ug/l		-		ug/l		3.2	J	ug/l	
GROUND WATER QUALITY	mg/l																
Alkalinity as CaCO3		-		mg/l		-		mg/l		163		mg/l		-		mg/l	
Ammonia-N		-		mg/l		-		mg/l		.06	U	mg/l	.06	-		mg/l	
Chloride		-		mg/l		-		mg/l		710		mg/l		-		mg/l	
Hardness as CaCO3		-		mg/l		-		mg/l		423		mg/l		-		mg/l	
Nitrate/Nitrite-N		-		mg/l		-		mg/l		-		mg/l		-		mg/l	
Oil and Grease		-		mg/l		-		mg/l		5	U	mg/l	5	-		mg/l	
Phosphorous-P, Total		-		mg/l		-		mg/l		1.41		mg/l		-		mg/l	
Sulfate		-		mg/l		-		mg/l		130		mg/l		-		mg/l	
Sulfide		-		mg/l		-		mg/l		.4	U	mg/l	.4	-		mg/l	
Total Dissolved Solids		-		mg/l		-		mg/l		1550		mg/l		-		mg/l	
Total Kjeldahl Nitrogen		-		mg/l		-		mg/l		1.3		mg/l		-		mg/l	
Total Organic Carbon		-		mg/l		-		mg/l		21.6		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.

US Naval Station, Mayport, Florida
Analytical Results for Background Surface Water Samples

Lab Sample Number:		01538003			24081003			35168003			MPTBSWDUP1		
Site		BACKGROUND			BACKGROUND			BACKGROUND			BACKGROUND		
Locator		MPTBSW7D			MPTBSW7D			MPTBSW7D			MPTBSWDUP1		
Collect Date:		17-FEB-93			17-FEB-93			17-FEB-93			21-JAN-92		
		VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
VOLATILES	ug/l												
Chloromethane		10 U	ug/l	10	-	ug/l		-	ug/l		10 U	ug/l	10
Bromomethane		10 U	ug/l	10	-	ug/l		-	ug/l		10 U	ug/l	10
Vinyl chloride		10 U	ug/l	10	-	ug/l		-	ug/l		10 U	ug/l	10
Chloroethane		10 U	ug/l	10	-	ug/l		-	ug/l		10 U	ug/l	10
Methylene chloride		5 U	ug/l	5	-	ug/l		-	ug/l		5 U	ug/l	5
Acetone		10 U	ug/l	10	-	ug/l		-	ug/l		10 U	ug/l	10
Carbon disulfide		5 U	ug/l	5	-	ug/l		-	ug/l		5 U	ug/l	5
1,1-Dichloroethane		5 U	ug/l	5	-	ug/l		-	ug/l		5 U	ug/l	5
1,1-Dichloroethene		5 U	ug/l	5	-	ug/l		-	ug/l		5 U	ug/l	5
1,2-Dichloroethene (total)		5 U	ug/l	5	-	ug/l		-	ug/l		5 U	ug/l	5
Chloroform		5 U	ug/l	5	-	ug/l		-	ug/l		5 U	ug/l	5
1,2-Dichloroethane		5 U	ug/l	5	-	ug/l		-	ug/l		5 U	ug/l	5
2-Butanone		10 U	ug/l	10	-	ug/l		-	ug/l		10 U	ug/l	10
1,1,1-Trichloroethane		5 U	ug/l	5	-	ug/l		-	ug/l		5 U	ug/l	5
Carbon tetrachloride		5 U	ug/l	5	-	ug/l		-	ug/l		5 U	ug/l	5
Bromodichloromethane		5 U	ug/l	5	-	ug/l		-	ug/l		5 U	ug/l	5
1,2-Dichloropropane		5 U	ug/l	5	-	ug/l		-	ug/l		5 U	ug/l	5
cis-1,3-Dichloropropene		5 U	ug/l	5	-	ug/l		-	ug/l		5 U	ug/l	5
Trichloroethene		5 U	ug/l	5	-	ug/l		-	ug/l		5 U	ug/l	5
Dibromochloromethane		5 U	ug/l	5	-	ug/l		-	ug/l		5 U	ug/l	5
1,1,2-Trichloroethane		5 U	ug/l	5	-	ug/l		-	ug/l		5 U	ug/l	5
Benzene		5 U	ug/l	5	-	ug/l		-	ug/l		5 U	ug/l	5
trans-1,3-Dichloropropene		5 U	ug/l	5	-	ug/l		-	ug/l		5 U	ug/l	5
Bromoform		5 U	ug/l	5	-	ug/l		-	ug/l		5 U	ug/l	5
4-Methyl-2-pentanone		10 U	ug/l	10	-	ug/l		-	ug/l		10 U	ug/l	10
2-Hexanone		10 U	ug/l	10	-	ug/l		-	ug/l		10 U	ug/l	10
Tetrachloroethene		5 U	ug/l	5	-	ug/l		-	ug/l		5 U	ug/l	5
1,1,2,2-Tetrachloroethane		5 U	ug/l	5	-	ug/l		-	ug/l		5 U	ug/l	5
Toluene		5 U	ug/l	5	-	ug/l		-	ug/l		5 U	ug/l	5
Chlorobenzene		5 U	ug/l	5	-	ug/l		-	ug/l		5 U	ug/l	5
Ethylbenzene		5 U	ug/l	5	-	ug/l		-	ug/l		5 U	ug/l	5
Styrene		5 U	ug/l	5	-	ug/l		-	ug/l		5 U	ug/l	5
Xylenes (total)		5 U	ug/l	5	-	ug/l		-	ug/l		5 U	ug/l	5
Dichlorodifluoromethane		10 U	ug/l	10	-	ug/l		-	ug/l		-	ug/l	
Trichlorofluoromethane		5 U	ug/l	5	-	ug/l		-	ug/l		5 U	ug/l	5
1,3-Dichlorobenzene		5 U	ug/l	5	-	ug/l		10 U	ug/l	10	10 U	ug/l	10
Acrolein		100 R	ug/l		-	ug/l		-	ug/l		100 U	ug/l	100
Iodomethane		10 U	ug/l	10	-	ug/l		-	ug/l		10 U	ug/l	10
1,4-Dichlorobenzene		5 U	ug/l	5	-	ug/l		10 U	ug/l	10	10 U	ug/l	10
Acrylonitrile		100 U	ug/l	100	-	ug/l		-	ug/l		100 U	ug/l	100

US Naval Station, Mayport, Florida
Analytical Results for Background Surface Water Samples

Lab Sample Number:		01538003				24081003				35168003				MPTBSWDUP1			
Site		BACKGROUND				BACKGROUND				BACKGROUND				BACKGROUND			
Locator		MPTBSW7D				MPTBSW7D				MPTBSW7D				MPTBSWDUP1			
Collect Date:		17-FEB-93				17-FEB-93				17-FEB-93				21-JAN-92			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Dibromomethane		5	U	ug/l	5	-		ug/l		-		ug/l		5	U	ug/l	5
1,2-Dichlorobenzene		5	U	ug/l	5	-		ug/l		10	U	ug/l	10	10	U	ug/l	10
2-Chloroethylvinyl ether		10	U	ug/l	10	-		ug/l		-		ug/l		10	U	ug/l	10
Ethyl methacrylate		5	U	ug/l	5	-		ug/l		-		ug/l		5	U	ug/l	5
1,2,3-Trichloropropane		5	U	ug/l	5	-		ug/l		-		ug/l		5	U	ug/l	5
trans-1,4-Dichloro-2-butene		5	U	ug/l	5	-		ug/l		-		ug/l		5	U	ug/l	5
Isobutyl alcohol		1000	R	ug/l		-		ug/l		-		ug/l		200	U	ug/l	200
1,1,1,2-Tetrachloroethane		5	U	ug/l	5	-		ug/l		-		ug/l		5	U	ug/l	5
1,2-Dibromo-3-chloropropane		10	J	ug/l		-		ug/l		-		ug/l		10	U	ug/l	10
Ethylene dibromide		5	U	ug/l	5	-		ug/l		-		ug/l		5	U	ug/l	5
1,4-Dioxane		200	R	ug/l		-		ug/l		-		ug/l		200	U	ug/l	200
3-Chloropropene		5	U	ug/l	5	-		ug/l		-		ug/l		5	U	ug/l	5
Acetonitrile		100	R	ug/l		-		ug/l		-		ug/l		100	U	ug/l	100
Chloroprene		200	R	ug/l		-		ug/l		-		ug/l		200	U	ug/l	200
Methacrylonitrile		5	U	ug/l	5	-		ug/l		-		ug/l		5	U	ug/l	5
Methyl methacrylate		10	U	ug/l	10	-		ug/l		-		ug/l		10	U	ug/l	10
Pentachloroethane		10	U	ug/l	10	-		ug/l		-		ug/l		10	U	ug/l	10
Propionitrile		100	U	ug/l	100	-		ug/l		-		ug/l		100	U	ug/l	100
Vinyl acetate		10	U	ug/l	10	-		ug/l		-		ug/l		10	U	ug/l	10
SEMIVOLATILES	ug/l																
N-Nitrosodimethylamine		-		ug/l		-		ug/l		10	U	ug/l	10	10	U	ug/l	10
Phenol		-		ug/l		-		ug/l		10	U	ug/l	10	10	U	ug/l	10
Aniline		-		ug/l		-		ug/l		10	U	ug/l	10	10	U	ug/l	10
bis(2-Chloroethyl) ether		-		ug/l		-		ug/l		10	U	ug/l	10	10	U	ug/l	10
Benzyl Alcohol		-		ug/l		-		ug/l		10	U	ug/l	10	10	U	ug/l	10
2-Methylphenol		-		ug/l		-		ug/l		10	U	ug/l	10	10	U	ug/l	10
bis(2-Chloroisopropyl) ether		-		ug/l		-		ug/l		10	U	ug/l	10	-		ug/l	
N-Nitroso-di-n-propylamine		-		ug/l		-		ug/l		10	U	ug/l	10	10	U	ug/l	10
Hexachloroethane		-		ug/l		-		ug/l		10	U	ug/l	10	10	U	ug/l	10
Nitrobenzene		-		ug/l		-		ug/l		10	U	ug/l	10	10	U	ug/l	10
Isophorone		-		ug/l		-		ug/l		10	U	ug/l	10	10	U	ug/l	10
2-Nitrophenol		-		ug/l		-		ug/l		10	U	ug/l	10	10	U	ug/l	10
2,4-Dimethylphenol		-		ug/l		-		ug/l		10	U	ug/l	10	10	U	ug/l	10
Benzoic acid		-		ug/l		-		ug/l		50	UJ	ug/l		50	U	ug/l	50
bis(2-Chloroethoxy) methane		-		ug/l		-		ug/l		10	U	ug/l	10	10	U	ug/l	10
2,4-Dichlorophenol		-		ug/l		-		ug/l		10	U	ug/l	10	10	U	ug/l	10
1,2,4-Trichlorobenzene		-		ug/l		-		ug/l		10	U	ug/l	10	10	U	ug/l	10
Naphthalene		-		ug/l		-		ug/l		10	U	ug/l	10	10	U	ug/l	10
4-Chloroaniline		-		ug/l		-		ug/l		10	U	ug/l	10	10	U	ug/l	10
Hexachlorobutadiene		-		ug/l		-		ug/l		10	U	ug/l	10	10	U	ug/l	10
4-Chloro-3-methylphenol		-		ug/l		-		ug/l		10	U	ug/l	10	10	U	ug/l	10
2-Methylnaphthalene		-		ug/l		-		ug/l		10	U	ug/l	10	10	U	ug/l	10
Hexachlorocyclopentadiene		-		ug/l		-		ug/l		10	U	ug/l	10	10	U	ug/l	10
2,4,6-Trichlorophenol		-		ug/l		-		ug/l		10	U	ug/l	10	10	U	ug/l	10
Dimethylphthalate		-		ug/l		-		ug/l		10	U	ug/l	10	10	U	ug/l	10
2,4,5-Trichlorophenol		-		ug/l		-		ug/l		50	U	ug/l	50	50	U	ug/l	50
2-Chloronaphthalene		-		ug/l		-		ug/l		10	U	ug/l	10	10	U	ug/l	10
2-Nitroaniline		-		ug/l		-		ug/l		50	U	ug/l	50	50	U	ug/l	50
Acenaphthylene		-		ug/l		-		ug/l		10	U	ug/l	10	10	U	ug/l	10
2,6-Dinitrotoluene		-		ug/l		-		ug/l		10	U	ug/l	10	10	U	ug/l	10
3-Nitroaniline		-		ug/l		-		ug/l		50	U	ug/l	50	50	U	ug/l	50

US Naval Station, Mayport, Florida
Analytical Results for Background Surface Water Samples

Lab Sample Number:	01538003				24081003				35168003				MPTBSWDUP1			
Site	BACKGROUND				BACKGROUND				BACKGROUND				BACKGROUND			
Locator	MPTBSW7D				MPTBSW7D				MPTBSW7D				MPTBSWDUP1			
Collect Date:	17-FEB-93				17-FEB-93				17-FEB-93				21-JAN-92			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Acenaphthene	-		ug/l		-		ug/l		10	U	ug/l	10	10	U	ug/l	10
2,4-Dinitrophenol	-		ug/l		-		ug/l		50	U	ug/l	50	50	U	ug/l	50
4-Nitrophenol	-		ug/l		-		ug/l		50	U	ug/l	50	50	U	ug/l	50
Dibenzofuran	-		ug/l		-		ug/l		10	U	ug/l	10	10	U	ug/l	10
2,4-Dinitrotoluene	-		ug/l		-		ug/l		10	U	ug/l	10	10	U	ug/l	10
Diethylphthalate	-		ug/l		-		ug/l		10	U	ug/l	10	10	U	ug/l	10
4-Chlorophenyl-phenylether	-		ug/l		-		ug/l		10	U	ug/l	10	10	U	ug/l	10
Fluorene	-		ug/l		-		ug/l		10	U	ug/l	10	10	U	ug/l	10
4-Nitroaniline	-		ug/l		-		ug/l		50	U	ug/l	50	50	U	ug/l	50
4,6-Dinitro-2-methylphenol	-		ug/l		-		ug/l		50	U	ug/l	50	50	U	ug/l	50
N-Nitrosodiphenylamine	-		ug/l		-		ug/l		10	U	ug/l	10	10	U	ug/l	10
1,2-Diphenylhydrazine	-		ug/l		-		ug/l		10	U	ug/l	10	10	U	ug/l	10
4-Bromophenyl-phenylether	-		ug/l		-		ug/l		10	U	ug/l	10	10	U	ug/l	10
Hexachlorobenzene	-		ug/l		-		ug/l		10	U	ug/l	10	10	U	ug/l	10
Pentachlorophenol	-		ug/l		-		ug/l		50	U	ug/l	50	50	U	ug/l	50
Phenanthrene	-		ug/l		-		ug/l		10	U	ug/l	10	10	U	ug/l	10
Anthracene	-		ug/l		-		ug/l		10	U	ug/l	10	10	U	ug/l	10
Di-n-Butylphthalate	-		ug/l		-		ug/l		10	U	ug/l	10	10	U	ug/l	10
Fluoranthene	-		ug/l		-		ug/l		10	U	ug/l	10	10	U	ug/l	10
Pyrene	-		ug/l		-		ug/l		10	U	ug/l	10	10	U	ug/l	10
Butylbenzylphthalate	-		ug/l		-		ug/l		10	U	ug/l	10	10	U	ug/l	10
3,3-Dichlorobenzidine	-		ug/l		-		ug/l		20	U	ug/l	20	20	U	ug/l	20
Benzo (a) anthracene	-		ug/l		-		ug/l		10	U	ug/l	10	10	U	ug/l	10
Chrysene	-		ug/l		-		ug/l		10	U	ug/l	10	10	U	ug/l	10
bis(2-Ethylhexyl) phthalate	-		ug/l		-		ug/l		10	U	ug/l	10	10	U	ug/l	10
Di-n-octylphthalate	-		ug/l		-		ug/l		10	U	ug/l	10	10	U	ug/l	10
Benzo (b) fluoranthene	-		ug/l		-		ug/l		10	U	ug/l	10	10	U	ug/l	10
Benzo (k) fluoranthene	-		ug/l		-		ug/l		10	U	ug/l	10	10	U	ug/l	10
Benzo (a) pyrene	-		ug/l		-		ug/l		10	U	ug/l	10	10	U	ug/l	10
Indeno (1,2,3-cd) pyrene	-		ug/l		-		ug/l		10	U	ug/l	10	10	U	ug/l	10
Dibenzo (a,h) anthracene	-		ug/l		-		ug/l		10	U	ug/l	10	10	U	ug/l	10
Benzo (g,h,i) perylene	-		ug/l		-		ug/l		10	U	ug/l	10	10	U	ug/l	10
2-Picoline	-		ug/l		-		ug/l		50	U	ug/l	50	50	U	ug/l	50
Methyl methanesulfonate	-		ug/l		-		ug/l		10	U	ug/l	10	10	U	ug/l	10
Ethyl methanesulfonate	-		ug/l		-		ug/l		10	U	ug/l	10	10	U	ug/l	10
Acetophenone	-		ug/l		-		ug/l		10	U	ug/l	10	10	U	ug/l	10
N-Nitrosopiperidine	-		ug/l		-		ug/l		10	U	ug/l	10	10	U	ug/l	10
Phenyl-tert-butylamine	-		ug/l		-		ug/l		50	U	ug/l	50	50	R	ug/l	
2,6-Dichlorophenol	-		ug/l		-		ug/l		10	U	ug/l	10	10	U	ug/l	10
N-Nitroso-di-n-butylamine	-		ug/l		-		ug/l		10	U	ug/l	10	10	U	ug/l	10
N-Nitrosodiethylamine	-		ug/l		-		ug/l		10	U	ug/l	10	10	UJ	ug/l	
N-Nitrosopyrrolidine	-		ug/l		-		ug/l		10	U	ug/l	10	10	UJ	ug/l	
Benzidine	-		ug/l		-		ug/l		50	U	ug/l	50	50	U	ug/l	50
1,2,4,5-Tetrachlorobenzene	-		ug/l		-		ug/l		50	U	ug/l	50	50	U	ug/l	50
Pentachlorobenzene	-		ug/l		-		ug/l		50	U	ug/l	50	50	U	ug/l	50
1-Naphthylamine	-		ug/l		-		ug/l		50	R	ug/l		50	U	ug/l	50
2-Naphthylamine	-		ug/l		-		ug/l		50	U	ug/l	50	50	U	ug/l	50
2,3,4,6-Tetrachlorophenol	-		ug/l		-		ug/l		10	U	ug/l	10	10	U	ug/l	10
Phenacetin	-		ug/l		-		ug/l		10	U	ug/l	10	10	U	ug/l	10
4-Aminobiphenyl	-		ug/l		-		ug/l		50	UJ	ug/l		50	U	ug/l	50
Pentachloronitrobenzene	-		ug/l		-		ug/l		50	U	ug/l	50	50	U	ug/l	50
Pronamide	-		ug/l		-		ug/l		10	U	ug/l	10	10	U	ug/l	10

US Naval Station, Mayport, Florida
Analytical Results for Background Surface Water Samples

Lab Sample Number:		01538003			24081003			35168003			MPTBSWDUP1		
Site		BACKGROUND			BACKGROUND			BACKGROUND			BACKGROUND		
Locator		MPTBSW7D			MPTBSW7D			MPTBSW7D			MPTBSWDUP1		
Collect Date:		17-FEB-93			17-FEB-93			17-FEB-93			21-JAN-92		
		VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
p-Dimethylaminoazobenzene		-	ug/l		-	ug/l		10 U	ug/l	10	10 U	ug/l	10
7,12-Dimethylbenz(A)Anthracene		-	ug/l		-	ug/l		10 U	ug/l	10	10 U	ug/l	10
3-Methylcholanthrene		-	ug/l		-	ug/l		10 U	ug/l	10	10 U	ug/l	10
Pyridine		-	ug/l		-	ug/l		50 U	ug/l	50	50 U	ug/l	50
N-Nitrosomethylethylamine		-	ug/l		-	ug/l		10 U	ug/l	10	10 UJ	ug/l	
N-Nitrosomorpholine		-	ug/l		-	ug/l		10 U	ug/l	10	10 UJ	ug/l	
o-Toluidine		-	ug/l		-	ug/l		10 U	ug/l	10	10 UJ	ug/l	
Hexachloropropene		-	ug/l		-	ug/l		50 U	ug/l	50	50 UJ	ug/l	
p-Phenylenediamine		-	ug/l		-	ug/l		500 U	ug/l	500	50 UJ	ug/l	
Safrole		-	ug/l		-	ug/l		50 U	ug/l	50	50 UJ	ug/l	
Isosafrole		-	ug/l		-	ug/l		50 U	ug/l	50	50 UJ	ug/l	
1,4-Naphthoquinone		-	ug/l		-	ug/l		1000 U	ug/l	1000	50 UJ	ug/l	
1,3-Dinitrobenzene		-	ug/l		-	ug/l		10 U	ug/l	10	10 UJ	ug/l	
5-Nitro-o-toluidine		-	ug/l		-	ug/l		10 U	ug/l	10	10 UJ	ug/l	
1,3,5-Trinitrobenzene		-	ug/l		-	ug/l		10 U	ug/l	10	10 UJ	ug/l	
4-Nitroquinoline-1-oxide		-	ug/l		-	ug/l		500 R	ug/l		10 UJ	ug/l	
Methapyrilene		-	ug/l		-	ug/l		50 U	ug/l	50	50 UJ	ug/l	
3,3-Dimethylbenzidine		-	ug/l		-	ug/l		10 U	ug/l	10	10 UJ	ug/l	
Hexachlorophene		-	ug/l		-	ug/l		500 U	ug/l	500	50 UJ	ug/l	
Aramite		-	ug/l		-	ug/l		50 R	ug/l		-	ug/l	
2-Chlorophenol		-	ug/l		-	ug/l		10 U	ug/l	10	10 U	ug/l	10
3- & 4-Methylphenol (2)		-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Hexachloropropene		-	ug/l		-	ug/l		50 U	ug/l	50	50 UJ	ug/l	
2-Acetylaminofluorene		-	ug/l		-	ug/l		10 U	ug/l	10	10 UJ	ug/l	
PESTICIDES/PCBs	ug/l												
alpha-BHC		-	ug/l		.02 U	ug/l	.02	-	ug/l		.01 U	ug/l	.01
beta-BHC		-	ug/l		.04 U	ug/l	.04	-	ug/l		.02 U	ug/l	.02
delta-BHC		-	ug/l		.02 U	ug/l	.02	-	ug/l		.01 U	ug/l	.01
gamma-BHC (Lindane)		-	ug/l		.02 U	ug/l	.02	-	ug/l		.01 U	ug/l	.01
Heptachlor		-	ug/l		.02 U	ug/l	.02	-	ug/l		.01 U	ug/l	.01
Aldrin		-	ug/l		.02 U	ug/l	.02	-	ug/l		.01 U	ug/l	.01
Heptachlor epoxide		-	ug/l		.02 U	ug/l	.02	-	ug/l		.01 U	ug/l	.01
Endosulfan I		-	ug/l		.02 U	ug/l	.02	-	ug/l		.02 U	ug/l	.02
Dieldrin		-	ug/l		.02 U	ug/l	.02	-	ug/l		.02 U	ug/l	.02
4,4-DDE		-	ug/l		.02 U	ug/l	.02	-	ug/l		.02 U	ug/l	.02
Endrin		-	ug/l		.04 U	ug/l	.04	-	ug/l		.02 U	ug/l	.02
Endosulfan II		-	ug/l		.04 U	ug/l	.04	-	ug/l		.02 U	ug/l	.02
4,4-DDD		-	ug/l		.04 U	ug/l	.04	-	ug/l		.02 U	ug/l	.02
Endosulfan sulfate		-	ug/l		.04 U	ug/l	.04	-	ug/l		.02 U	ug/l	.02
4,4-DDT		-	ug/l		.04 U	ug/l	.04	-	ug/l		.02 U	ug/l	.02
Methoxychlor		-	ug/l		.08 U	ug/l	.08	-	ug/l		.04 U	ug/l	.04
Endrin aldehyde		-	ug/l		.04 U	ug/l	.04	-	ug/l		-	ug/l	
Endrin ketone		-	ug/l		.02 U	ug/l	.02	-	ug/l		.02 U	ug/l	.02
Chlordane		-	ug/l		.2 U	ug/l	.2	-	ug/l		.1 U	ug/l	.1
Chlorobenzilate		-	ug/l		.5 U	ug/l	.5	-	ug/l		.5 U	ug/l	.5
Diallate		-	ug/l		1 U	ug/l	1	-	ug/l		1 U	ug/l	1
Toxaphene		-	ug/l		1 U	ug/l	1	-	ug/l		.5 U	ug/l	.5
Isodrin		-	ug/l		.02 U	ug/l	.02	-	ug/l		.02 U	ug/l	.02
Kepone		-	ug/l		1 U	ug/l	1	-	ug/l		-	ug/l	
Aroclor-1016		-	ug/l		1 U	ug/l	1	-	ug/l		.8 U	ug/l	.8
Aroclor-1221		-	ug/l		2 U	ug/l	2	-	ug/l		2 U	ug/l	2

US Naval Station, Mayport, Florida
Analytical Results for Background Surface Water Samples

Lab Sample Number:		01538003				24081D03				35168003				MPTBSWDUP1			
Site		BACKGROUND				BACKGROUND				BACKGROUND				BACKGROUND			
Locator		MPTBSW7D				MPTBSW7D				MPTBSW7D				MPTBSWDUP1			
Collect Date:		17-FEB-93				17-FEB-93				17-FEB-93				21-JAN-92			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Aroclor-1232		-		ug/l		2	U	ug/l	2	-		ug/l		2	U	ug/l	2
Aroclor-1242		-		ug/l		1	U	ug/l	1	-		ug/l		.8	U	ug/l	.8
Aroclor-1248		-		ug/l		1	U	ug/l	1	-		ug/l		.4	U	ug/l	.4
Aroclor-1254		-		ug/l		.5	U	ug/l	.5	-		ug/l		.2	U	ug/l	.2
Aroclor-1260		-		ug/l		.5	U	ug/l	.5	-		ug/l		.2	U	ug/l	.2
INORGANICS (WATER)	ug/l																
Antimony		-		ug/l		-		ug/l		-		ug/l		40	U	ug/l	40
Arsenic		-		ug/l		-		ug/l		-		ug/l		1.4	J	ug/l	
Barium		-		ug/l		-		ug/l		-		ug/l		15.4	J	ug/l	
Beryllium		-		ug/l		-		ug/l		-		ug/l		.1	U	ug/l	.1
Cadmium		-		ug/l		-		ug/l		-		ug/l		2.4	J	ug/l	
Calcium		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Chromium		-		ug/l		-		ug/l		-		ug/l		4	J	ug/l	
Cobalt		-		ug/l		-		ug/l		-		ug/l		9.7	J	ug/l	
Copper		-		ug/l		-		ug/l		-		ug/l		1.4	U	ug/l	1.4
Cyanide		-		ug/l		-		ug/l		-		ug/l		1.8	U	ug/l	1.8
Iron		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Lead		-		ug/l		-		ug/l		-		ug/l		1.5	J	ug/l	
Magnesium		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Manganese		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Mercury		-		ug/l		-		ug/l		-		ug/l		.16	U	ug/l	.16
Nickel		-		ug/l		-		ug/l		-		ug/l		7	U	ug/l	7
Selenium		-		ug/l		-		ug/l		-		ug/l		1.3	UJ	ug/l	
Silver		-		ug/l		-		ug/l		-		ug/l		2.3	U	ug/l	2.3
Sodium		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Thallium		-		ug/l		-		ug/l		-		ug/l		1.4	UJ	ug/l	
Tin		-		ug/l		-		ug/l		-		ug/l		208	U	ug/l	208
Vanadium		-		ug/l		-		ug/l		-		ug/l		2.7	U	ug/l	2.7
Zinc		-		ug/l		-		ug/l		-		ug/l		8.4	U	ug/l	8.4
GROUND WATER QUALITY	mg/l																
Alkalinity as CaCO3		-		mg/l		-		mg/l		-		mg/l		-		mg/l	
Ammonia-N		-		mg/l		-		mg/l		-		mg/l		-		mg/l	
Chloride		-		mg/l		-		mg/l		-		mg/l		-		mg/l	
Hardness as CaCO3		-		mg/l		-		mg/l		-		mg/l		-		mg/l	
Nitrate/Nitrite-N		-		mg/l		-		mg/l		-		mg/l		-		mg/l	
Oil and Grease		-		mg/l		-		mg/l		-		mg/l		-		mg/l	
Phosphorous-P, Total		-		mg/l		-		mg/l		-		mg/l		-		mg/l	
Sulfate		-		mg/l		-		mg/l		-		mg/l		-		mg/l	
Sulfide		-		mg/l		-		mg/l		-		mg/l		-		mg/l	
Total Dissolved Solids		-		mg/l		-		mg/l		-		mg/l		-		mg/l	
Total Kjeldahl Nitrogen		-		mg/l		-		mg/l		-		mg/l		-		mg/l	
Total Organic Carbon		-		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.

US Naval Station, Mayport, Florida
Analytical Results for Background Surface Water Samples

Lab Sample Number:		M7654001			M7656001			MC014005			MC015004		
Site		BACKGROUND			BACKGROUND			GROUPI&II			GROUPI&II		
Locator		00SW001			00SW001			0BW005			0BW005		
Collect Date:		03-AUG-94			03-AUG-94			02-OCT-96			02-OCT-96		
		VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
VOLATILES	ug/l												
Chloromethane		10	U ug/l	10	-	ug/l		10	U ug/l	10	-	ug/l	
Bromomethane		10	U ug/l	10	-	ug/l		10	U ug/l	10	-	ug/l	
Vinyl chloride		10	U ug/l	10	-	ug/l		10	U ug/l	10	-	ug/l	
Chloroethane		10	U ug/l	10	-	ug/l		10	U ug/l	10	-	ug/l	
Methylene chloride		5	U ug/l	5	-	ug/l		5	U ug/l	5	-	ug/l	
Acetone		10	U ug/l	10	-	ug/l		10	U ug/l	10	-	ug/l	
Carbon disulfide		5	U ug/l	5	-	ug/l		5	U ug/l	5	-	ug/l	
1,1-Dichloroethane		5	U ug/l	5	-	ug/l		5	U ug/l	5	-	ug/l	
1,1-Dichloroethene		5	U ug/l	5	-	ug/l		5	U ug/l	5	-	ug/l	
1,2-Dichloroethene (total)		5	U ug/l	5	-	ug/l		5	U ug/l	5	-	ug/l	
Chloroform		5	U ug/l	5	-	ug/l		5	U ug/l	5	-	ug/l	
1,2-Dichloroethane		5	U ug/l	5	-	ug/l		5	U ug/l	5	-	ug/l	
2-Butanone		10	U ug/l	10	-	ug/l		10	U ug/l	10	-	ug/l	
1,1,1-Trichloroethane		5	U ug/l	5	-	ug/l		5	U ug/l	5	-	ug/l	
Carbon tetrachloride		5	U ug/l	5	-	ug/l		5	U ug/l	5	-	ug/l	
Bromodichloromethane		5	U ug/l	5	-	ug/l		5	U ug/l	5	-	ug/l	
1,2-Dichloropropane		5	U ug/l	5	-	ug/l		5	U ug/l	5	-	ug/l	
cis-1,3-Dichloropropene		5	U ug/l	5	-	ug/l		5	U ug/l	5	-	ug/l	
Trichloroethene		5	U ug/l	5	-	ug/l		5	U ug/l	5	-	ug/l	
Dibromochloromethane		5	U ug/l	5	-	ug/l		5	U ug/l	5	-	ug/l	
1,1,2-Trichloroethane		5	U ug/l	5	-	ug/l		5	U ug/l	5	-	ug/l	
Benzene		5	U ug/l	5	-	ug/l		5	U ug/l	5	-	ug/l	
trans-1,3-Dichloropropene		5	U ug/l	5	-	ug/l		5	U ug/l	5	-	ug/l	
Bromoform		5	U ug/l	5	-	ug/l		5	U ug/l	5	-	ug/l	
4-Methyl-2-pentanone		10	U ug/l	10	-	ug/l		10	U ug/l	10	-	ug/l	
2-Hexanone		10	U ug/l	10	-	ug/l		10	U ug/l	10	-	ug/l	
Tetrachloroethene		5	U ug/l	5	-	ug/l		5	U ug/l	5	-	ug/l	
1,1,2,2-Tetrachloroethane		5	U ug/l	5	-	ug/l		5	U ug/l	5	-	ug/l	
Toluene		5	U ug/l	5	-	ug/l		5	U ug/l	5	-	ug/l	
Chlorobenzene		5	U ug/l	5	-	ug/l		5	U ug/l	5	-	ug/l	
Ethylbenzene		5	U ug/l	5	-	ug/l		5	U ug/l	5	-	ug/l	
Styrene		5	U ug/l	5	-	ug/l		5	U ug/l	5	-	ug/l	
Xylenes (total)		5	U ug/l	5	-	ug/l		5	U ug/l	5	-	ug/l	
Dichlorodifluoromethane		10	UJ ug/l		-	ug/l		10	U ug/l	10	-	ug/l	
Trichlorofluoromethane		5	U ug/l	5	-	ug/l		5	U ug/l	5	-	ug/l	
1,3-Dichlorobenzene		5	U ug/l	5	-	ug/l		5	U ug/l	5	-	ug/l	
Acrolein		100	U ug/l	100	-	ug/l		100	U ug/l	100	-	ug/l	
Iodomethane		10	U ug/l	10	-	ug/l		10	U ug/l	10	-	ug/l	
1,4-Dichlorobenzene		10	U ug/l	10	-	ug/l		5	U ug/l	5	-	ug/l	
Acrylonitrile		100	U ug/l	100	-	ug/l		100	U ug/l	100	-	ug/l	

US Naval Station, Mayport, Florida
Analytical Results for Background Surface Water Samples

Lab Sample Number:		M7654001				M7656001				MC014005				MC015004		
Site		BACKGROUND				BACKGROUND				GROUPI&II				GROUPI&II		
Locator		00SW001				00SW001				0BW005				0BW005		
Collect Date:		03-AUG-94				03-AUG-94				02-OCT-96				02-OCT-96		
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Dibromomethane		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
1,2-Dichlorobenzene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
2-Chloroethylvinyl ether		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Ethyl methacrylate		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
1,2,3-Trichloropropane		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
trans-1,4-Dichloro-2-butene		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
Isobutyl alcohol		200	U	ug/l	200	-		ug/l		200	R	ug/l	200	-		ug/l	
1,1,1,2-Tetrachloroethane		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
1,2-Dibromo-3-chloropropane		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Ethylene dibromide		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
1,4-Dioxane		200	R	ug/l		-		ug/l		200	R	ug/l	200	-		ug/l	
3-Chloropropene		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
Acetonitrile		100	U	ug/l	100	-		ug/l		100	U	ug/l	100	-		ug/l	
Chloroprene		200	U	ug/l	200	-		ug/l		5	U	ug/l	5	-		ug/l	
Methacrylonitrile		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	-		ug/l	
Methyl methacrylate		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Pentachloroethane		10	U	ug/l	10	-		ug/l		10	UJ	ug/l	10	-		ug/l	
Propionitrile		100	U	ug/l	100	-		ug/l		100	U	ug/l	100	-		ug/l	
Vinyl acetate		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
SEMIVOLATILES	ug/l																
N-Nitrosodimethylamine		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Phenol		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Aniline		10	UJ	ug/l		-		ug/l		10	U	ug/l	10	-		ug/l	
bis(2-Chloroethyl) ether		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Benzyl Alcohol		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
2-Methylphenol		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
bis(2-Chloroisopropyl) ether		10	UJ	ug/l		-		ug/l		10	U	ug/l	10	-		ug/l	
N-Nitroso-di-n-propylamine		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Hexachloroethane		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Nitrobenzene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Isophorone		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
2-Nitrophenol		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
2,4-Dimethylphenol		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Benzoic acid		50	UJ	ug/l		-		ug/l		50	UJ	ug/l	50	-		ug/l	
bis(2-Chloroethoxy) methane		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
2,4-Dichlorophenol		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
1,2,4-Trichlorobenzene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Naphthalene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
4-Chloroaniline		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Hexachlorobutadiene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
4-Chloro-3-methylphenol		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
2-Methylnaphthalene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Hexachlorocyclopentadiene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
2,4,6-Trichlorophenol		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Dimethylphthalate		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
2,4,5-Trichlorophenol		50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
2-Chloronaphthalene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
2-Nitroaniline		50	UJ	ug/l		-		ug/l		50	U	ug/l	50	-		ug/l	
Acenaphthylene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
2,6-Dinitrotoluene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
3-Nitroaniline		50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	

US Naval Station, Mayport, Florida
Analytical Results for Background Surface Water Samples

Lab Sample Number:	M7654001				M7656001				MC014005				MC015004			
Site	BACKGROUND				BACKGROUND				GROUPI&II				GROUPI&II			
Locator	00SW001				00SW001				0BW005				0BW005			
Collect Date:	03-AUG-94				03-AUG-94				02-OCT-96				02-OCT-96			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Acenaphthene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
2,4-Dinitrophenol	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
4-Nitrophenol	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
Dibenzofuran	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
2,4-Dinitrotoluene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Diethylphthalate	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
4-Chlorophenyl-phenylether	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Fluorene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
4-Nitroaniline	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
4,6-Dinitro-2-methylphenol	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
N-Nitrosodiphenylamine	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
1,2-Diphenylhydrazine	10	UJ	ug/l		-		ug/l		10	U	ug/l	10	-		ug/l	
4-Bromophenyl-phenylether	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Hexachlorobenzene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Pentachlorophenol	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
Phenanthrene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Anthracene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Di-n-Butylphthalate	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Fluoranthene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Pyrene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Butylbenzylphthalate	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
3,3-Dichlorobenzidine	20	U	ug/l	20	-		ug/l		20	U	ug/l	20	-		ug/l	
Benzo (a) anthracene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Chrysene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
bis(2-Ethylhexyl) phthalate	1	J	ug/l		-		ug/l		10	U	ug/l	10	-		ug/l	
Di-n-octylphthalate	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Benzo (b) fluoranthene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Benzo (k) fluoranthene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Benzo (a) pyrene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Indeno (1,2,3-cd) pyrene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Dibenzo (a,h) anthracene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Benzo (g,h,i) perylene	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
2-Picoline	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
Methyl methanesulfonate	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Ethyl methanesulfonate	10	UJ	ug/l		-		ug/l		10	U	ug/l	10	-		ug/l	
Acetophenone	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
N-Nitrosopiperidine	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Phenyl-tert-butylamine	50	UJ	ug/l		-		ug/l		50	U	ug/l	50	-		ug/l	
2,6-Dichlorophenol	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
N-Nitroso-di-n-butylamine	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
N-Nitrosodiethylamine	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
N-Nitrosopyrrolidine	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Benzidine	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
1,2,4,5-Tetrachlorobenzene	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
Pentachlorobenzene	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
1-Naphthylamine	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
2-Naphthylamine	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
2,3,4,6-Tetrachlorophenol	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Phenacetin	10	UJ	ug/l		-		ug/l		10	U	ug/l	10	-		ug/l	
4-Aminobiphenyl	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
Pentachloronitrobenzene	50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
Pronamide	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	

US Naval Station, Mayport, Florida
Analytical Results for Background Surface Water Samples

Lab Sample Number:		M7654001				M7656001				MC014005				MC015004			
Site		BACKGROUND				BACKGROUND				GROUPI&II				GROUPI&II			
Locator		00SW001				00SW001				0BW005				0BW005			
Collect Date:		03-AUG-94				03-AUG-94				02-OCT-96				02-OCT-96			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
p-Dimethylaminoazobenzene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
7,12-Dimethylbenz(A)Anthracene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
3-Methylcholanthrene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Pyridine		50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
N-Nitrosomethylethylamine		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
N-Nitrosomorpholine		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
o-Toluidine		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Hexachloropropene		50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
p-Phenylenediamine		500	U	ug/l	500	-		ug/l		500	U	ug/l	500	-		ug/l	
Safrole		50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
Isosafrole		50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
1,4-Naphthoquinone		1000	U	ug/l	1000	-		ug/l		1000	U	ug/l	1000	-		ug/l	
1,3-Dinitrobenzene		10	UJ	ug/l		-		ug/l		10	U	ug/l	10	-		ug/l	
5-Nitro-o-toluidine		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
1,3,5-Trinitrobenzene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
4-Nitroquinoline-1-oxide		500	U	ug/l	500	-		ug/l		500	U	ug/l	500	-		ug/l	
Methapyrilene		50	UJ	ug/l		-		ug/l		50	U	ug/l	50	-		ug/l	
3,3-Dimethylbenzidine		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Hexachlorophene		500	U	ug/l	500	-		ug/l		500	R	ug/l	500	-		ug/l	
Aramite		50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
2-Chlorophenol		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
3- & 4-Methylphenol (2)		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
Hexachloropropene		50	U	ug/l	50	-		ug/l		50	U	ug/l	50	-		ug/l	
2-Acetylaminofluorene		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	-		ug/l	
PESTICIDES/PCBs	ug/l																
alpha-BHC		.02	U	ug/l	.02	-		ug/l		.04	R	ug/l	.04	-		ug/l	
beta-BHC		.04	U	ug/l	.04	-		ug/l		.08	R	ug/l	.08	-		ug/l	
delta-BHC		.02	U	ug/l	.02	-		ug/l		.04	R	ug/l	.04	-		ug/l	
gamma-BHC (Lindane)		.02	U	ug/l	.02	-		ug/l		.04	R	ug/l	.04	-		ug/l	
Heptachlor		.02	U	ug/l	.02	-		ug/l		.04	R	ug/l	.04	-		ug/l	
Aldrin		.02	U	ug/l	.02	-		ug/l		.04	R	ug/l	.04	-		ug/l	
Heptachlor epoxide		.02	U	ug/l	.02	-		ug/l		.04	R	ug/l	.04	-		ug/l	
Endosulfan I		.02	U	ug/l	.02	-		ug/l		.04	R	ug/l	.04	-		ug/l	
Dieldrin		.02	U	ug/l	.02	-		ug/l		.04	R	ug/l	.04	-		ug/l	
4,4-DDE		.02	U	ug/l	.02	-		ug/l		.04	R	ug/l	.04	-		ug/l	
Endrin		.04	U	ug/l	.04	-		ug/l		.08	R	ug/l	.08	-		ug/l	
Endosulfan II		.04	U	ug/l	.04	-		ug/l		.08	R	ug/l	.08	-		ug/l	
4,4-DDD		.04	U	ug/l	.04	-		ug/l		.08	R	ug/l	.08	-		ug/l	
Endosulfan sulfate		.04	U	ug/l	.04	-		ug/l		.08	R	ug/l	.08	-		ug/l	
4,4-DDT		.04	U	ug/l	.04	-		ug/l		.08	R	ug/l	.08	-		ug/l	
Methoxychlor		.08	U	ug/l	.08	-		ug/l		.16	R	ug/l	.16	-		ug/l	
Endrin aldehyde		.04	U	ug/l	.04	-		ug/l		.08	R	ug/l	.08	-		ug/l	
Endrin ketone		.04	U	ug/l	.04	-		ug/l		.08	R	ug/l	.08	-		ug/l	
Chlordane		.2	U	ug/l	.2	-		ug/l		.4	R	ug/l	.4	-		ug/l	
Chlorobenzilate		.5	U	ug/l	.5	-		ug/l		1	R	ug/l	1	-		ug/l	
Diallate		1	U	ug/l	1	-		ug/l		2	R	ug/l	2	-		ug/l	
Toxaphene		1	U	ug/l	1	-		ug/l		2	R	ug/l	2	-		ug/l	
Isodrin		.02	U	ug/l	.02	-		ug/l		.04	R	ug/l	.04	-		ug/l	
Kepone		1	U	ug/l	1	-		ug/l		2	UJ	ug/l	2	-		ug/l	
Aroclor-1016		1	U	ug/l	1	-		ug/l		2	R	ug/l	2	-		ug/l	
Aroclor-1221		2	U	ug/l	2	-		ug/l		4	R	ug/l	4	-		ug/l	

US Naval Station, Mayport, Florida
Analytical Results for Background Surface Water Samples

Lab Sample Number:		M7654001				M7656001				MC014005				MC015004			
Site		BACKGROUND				BACKGROUND				GROUPI&II				GROUPI&II			
Locator		00SW001				00SW001				0BW005				0BW005			
Collect Date:		03-AUG-94				03-AUG-94				02-OCT-96				02-OCT-96			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Aroclor-1232		2	U	ug/l	2	-		ug/l		4	R	ug/l	4	-		ug/l	
Aroclor-1242		1	U	ug/l	1	-		ug/l		2	R	ug/l	2	-		ug/l	
Aroclor-1248		1	U	ug/l	1	-		ug/l		2	R	ug/l	2	-		ug/l	
Aroclor-1254		.5	U	ug/l	.5	-		ug/l		1	R	ug/l	1	-		ug/l	
Aroclor-1260		.5	U	ug/l	.5	-		ug/l		1	R	ug/l	1	-		ug/l	
INORGANICS (WATER)	ug/l																
Antimony		3.1	U	ug/l	3.1	-		ug/l		5.7	UJ	ug/l	5.7	-		ug/l	
Arsenic		.9	UJ	ug/l		-		ug/l		5.2	U	ug/l	5.2	-		ug/l	
Barium		10.9	J	ug/l		-		ug/l		12.6	J	ug/l	.18	-		ug/l	
Beryllium		.18	U	ug/l	.18	-		ug/l		.14	UJ	ug/l	.14	-		ug/l	
Cadmium		3	U	ug/l	3	-		ug/l		.46	UJ	ug/l	.46	-		ug/l	
Calcium		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Chromium		2	U	ug/l	2	-		ug/l		.34	U	ug/l	.34	-		ug/l	
Cobalt		2.7	U	ug/l	2.7	-		ug/l		.32	U	ug/l	.32	-		ug/l	
Copper		29.5	U	ug/l	29.5	-		ug/l		14.7	UJ	ug/l	14.7	-		ug/l	
Cyanide		.92	J	ug/l		-		ug/l		2.4	J	ug/l	.88	-		ug/l	
Iron		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Lead		20.5	R	ug/l		-		ug/l		1.8	U	ug/l	1.8	-		ug/l	
Magnesium		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Manganese		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Mercury		.09	U	ug/l	.09	-		ug/l		.21	UJ	ug/l	.21	-		ug/l	
Nickel		7.3	U	ug/l	7.3	-		ug/l		1.2	U	ug/l	1.2	-		ug/l	
Selenium		13.7	J	ug/l		-		ug/l		3.9	U	ug/l	3.9	-		ug/l	
Silver		2.1	U	ug/l	2.1	-		ug/l		.85	U	ug/l	.85	-		ug/l	
Sodium		-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Thallium		1.8	J	ug/l		-		ug/l		1.9	U	ug/l	1.9	-		ug/l	
Tin		9.4	U	ug/l	9.4	-		ug/l		6.8	U	ug/l	6.8	-		ug/l	
Vanadium		3.4	J	ug/l		-		ug/l		3.3	J	ug/l	.59	-		ug/l	
Zinc		23.5	U	ug/l	23.5	-		ug/l		26.8	UJ	ug/l	26.8	-		ug/l	
GROUND WATER QUALITY	mg/l																
Alkalinity as CaCO3		-		mg/l		88		mg/l		-		mg/l		104		mg/l	3
Ammonia-N		-		mg/l		.3	U	mg/l	.3	-		mg/l		.4		mg/l	.2
Chloride		-		mg/l		11500		mg/l		-		mg/l		14900		mg/l	800
Hardness as CaCO3		-		mg/l		3370		mg/l		-		mg/l		4940		mg/l	3
Nitrate/Nitrite-N		-		mg/l		-		mg/l		-		mg/l		-		mg/l	
Oil and Grease		-		mg/l		-		mg/l		-		mg/l		-		mg/l	
Phosphorous-P, Total		-		mg/l		.1	U	mg/l	.1	-		mg/l		.07		mg/l	.05
Sulfate		-		mg/l		1320		mg/l		-		mg/l		1880		mg/l	100
Sulfide		-		mg/l		1	U	mg/l	1	-		mg/l		.1	U	mg/l	.1
Total Dissolved Solids		-		mg/l		-		mg/l		-		mg/l		25800		mg/l	10
Total Kjeldahl Nitrogen		-		mg/l		.3		mg/l		-		mg/l		.4		mg/l	.1
Total Organic Carbon		-		mg/l		-		mg/l		-		mg/l		6		mg/l	1

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.

US Naval Station, Mayport, Florida
Analytical Results for Background Sediment Samples

Lab Sample Number:		MPT-B-SD-1				MPT-B-SD-2				MPT-B-SD-3				01528010		
Site		BACKGROUND				BACKGROUND				BACKGROUND				BACKGROUND		
Locator		MPT-B-SD-1				MPT-B-SD-2				MPT-B-SD-3				MPTBSD4		
Collect Date:		21-JAN-92				21-JAN-92				21-JAN-92				17-FEB-93		
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
VOLATILES	ug/kg																
Chloromethane		14	U	ug/kg	14	13	U	ug/kg	13	29	U	ug/kg	29	-		ug/kg	
Bromomethane		14	U	ug/kg	14	13	U	ug/kg	13	29	U	ug/kg	29	-		ug/kg	
Vinyl chloride		14	U	ug/kg	14	13	U	ug/kg	13	29	U	ug/kg	29	-		ug/kg	
Chloroethane		14	U	ug/kg	14	13	U	ug/kg	13	29	U	ug/kg	29	-		ug/kg	
Methylene chloride		18	U	ug/kg	18	21	U	ug/kg	21	29	U	ug/kg	29	-		ug/kg	
Acetone		14	U	ug/kg	14	15	U	ug/kg	15	190	U	ug/kg	190	-		ug/kg	
Carbon disulfide		7	U	ug/kg	7	7	U	ug/kg	7	83		ug/kg		-		ug/kg	
1,1-Dichloroethane		7	U	ug/kg	7	7	U	ug/kg	7	14	U	ug/kg	14	-		ug/kg	
1,1-Dichloroethene		7	U	ug/kg	7	7	U	ug/kg	7	14	U	ug/kg	14	-		ug/kg	
1,2-Dichloroethene (total)		7	U	ug/kg	7	7	U	ug/kg	7	14	U	ug/kg	14	-		ug/kg	
Chloroform		7	U	ug/kg	7	7	U	ug/kg	7	14	U	ug/kg	14	-		ug/kg	
1,2-Dichloroethane		7	U	ug/kg	7	7	U	ug/kg	7	14	U	ug/kg	14	-		ug/kg	
2-Butanone		14	U	ug/kg	14	14	U	ug/kg	14	42	U	ug/kg	42	-		ug/kg	
1,1,1-Trichloroethane		7	U	ug/kg	7	7	U	ug/kg	7	14	U	ug/kg	14	-		ug/kg	
Carbon tetrachloride		7	U	ug/kg	7	7	U	ug/kg	7	14	U	ug/kg	14	-		ug/kg	
Bromodichloromethane		7	U	ug/kg	7	7	U	ug/kg	7	14	U	ug/kg	14	-		ug/kg	
1,2-Dichloropropane		7	U	ug/kg	7	7	U	ug/kg	7	14	U	ug/kg	14	-		ug/kg	
cis-1,3-Dichloropropene		7	U	ug/kg	7	7	U	ug/kg	7	14	U	ug/kg	14	-		ug/kg	
Trichloroethene		7	U	ug/kg	7	7	U	ug/kg	7	14	U	ug/kg	14	-		ug/kg	
Dibromochloromethane		7	U	ug/kg	7	7	U	ug/kg	7	14	U	ug/kg	14	-		ug/kg	
1,1,2-Trichloroethane		7	U	ug/kg	7	7	U	ug/kg	7	14	U	ug/kg	14	-		ug/kg	
Benzene		7	U	ug/kg	7	7	U	ug/kg	7	14	U	ug/kg	14	-		ug/kg	
trans-1,3-Dichloropropene		7	U	ug/kg	7	7	U	ug/kg	7	14	U	ug/kg	14	-		ug/kg	
Bromoform		7	U	ug/kg	7	7	U	ug/kg	7	14	U	ug/kg	14	-		ug/kg	
4-Methyl-2-pentanone		14	U	ug/kg	14	13	U	ug/kg	13	29	U	ug/kg	29	-		ug/kg	
2-Hexanone		14	U	ug/kg	14	13	U	ug/kg	13	29	U	ug/kg	29	-		ug/kg	
Tetrachloroethene		7	U	ug/kg	7	7	U	ug/kg	7	14	U	ug/kg	14	-		ug/kg	
1,1,2,2-Tetrachloroethane		7	U	ug/kg	7	7	U	ug/kg	7	14	U	ug/kg	14	-		ug/kg	
Toluene		7	U	ug/kg	7	3	J	ug/kg		14	U	ug/kg	14	-		ug/kg	
Chlorobenzene		7	U	ug/kg	7	7	U	ug/kg	7	14	U	ug/kg	14	-		ug/kg	
Ethylbenzene		7	U	ug/kg	7	7	U	ug/kg	7	14	U	ug/kg	14	-		ug/kg	
Styrene		7	U	ug/kg	7	7	U	ug/kg	7	14	U	ug/kg	14	-		ug/kg	
Xylenes (total)		7	U	ug/kg	7	7	U	ug/kg	7	14	U	ug/kg	14	-		ug/kg	
Dichlorodifluoromethane		-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Trichlorofluoromethane		7	U	ug/kg	7	7	U	ug/kg	7	14	U	ug/kg	14	-		ug/kg	
1,3-Dichlorobenzene		440	U	ug/kg	440	430	U	ug/kg	430	14	U	ug/kg	14	-		ug/kg	
Acrolein		140	U	ug/kg	140	130	U	ug/kg	130	290	U	ug/kg	290	-		ug/kg	
Iodomethane		14	U	ug/kg	14	13	U	ug/kg	13	29	U	ug/kg	29	-		ug/kg	
1,4-Dichlorobenzene		440	U	ug/kg	440	430	U	ug/kg	430	14	U	ug/kg	14	-		ug/kg	
Acrylonitrile		140	U	ug/kg	140	130	U	ug/kg	130	290	U	ug/kg	290	-		ug/kg	
Dibromomethane		7	U	ug/kg	7	7	U	ug/kg	7	14	U	ug/kg	14	-		ug/kg	
1,2-Dichlorobenzene		7	U	ug/kg	7	7	U	ug/kg	7	14	U	ug/kg	14	-		ug/kg	
2-Chloroethylvinyl ether		14	U	ug/kg	14	13	U	ug/kg	13	29	U	ug/kg	29	-		ug/kg	
Ethyl methacrylate		7	U	ug/kg	7	7	U	ug/kg	7	14	U	ug/kg	14	-		ug/kg	
1,2,3-Trichloropropane		7	U	ug/kg	7	7	U	ug/kg	7	14	U	ug/kg	14	-		ug/kg	
trans-1,4-Dichloro-2-butene		7	U	ug/kg	7	7	U	ug/kg	7	14	U	ug/kg	14	-		ug/kg	
Isobutyl alcohol		270	U	ug/kg	270	260	U	ug/kg	260	570	U	ug/kg	570	-		ug/kg	
1,1,1,2-Tetrachloroethane		7	U	ug/kg	7	7	U	ug/kg	7	14	U	ug/kg	14	-		ug/kg	
1,2-Dibromo-3-chloropropane		14	U	ug/kg	14	13	U	ug/kg	13	29	U	ug/kg	29	-		ug/kg	
Ethylene dibromide		7	U	ug/kg	7	7	U	ug/kg	7	14	U	ug/kg	14	-		ug/kg	

US Naval Station, Mayport, Florida
Analytical Results for Background Sediment Samples

Lab Sample Number:		MPT-B-SD-1				MPT-B-SD-2				MPT-B-SD-3				01528010		
Site		BACKGROUND				BACKGROUND				BACKGROUND				BACKGROUND		
Locator		MPT-B-SD-1				MPT-B-SD-2				MPT-B-SD-3				MPTBSD4		
Collect Date:		21-JAN-92				21-JAN-92				21-JAN-92				17-FEB-93		
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
1,4-Dioxane		270	U	ug/kg	270	260	U	ug/kg	260	570	U	ug/kg	570	-		ug/kg	
3-Chloropropene		7	U	ug/kg	7	7	U	ug/kg	7	14	U	ug/kg	14	-		ug/kg	
Acetonitrile		140	U	ug/kg	140	130	U	ug/kg	130	290	U	ug/kg	290	-		ug/kg	
Chloroprene		270	U	ug/kg	270	260	U	ug/kg	260	570	U	ug/kg	570	-		ug/kg	
Methacrylonitrile		7	U	ug/kg	7	7	U	ug/kg	7	14	U	ug/kg	14	-		ug/kg	
Methyl methacrylate		14	U	ug/kg	14	13	U	ug/kg	13	29	U	ug/kg	29	-		ug/kg	
Pentachloroethane		14	U	ug/kg	14	13	U	ug/kg	13	29	U	ug/kg	29	-		ug/kg	
Propionitrile		140	U	ug/kg	140	130	U	ug/kg	130	290	U	ug/kg	290	-		ug/kg	
Vinyl acetate		14	U	ug/kg	14	13	U	ug/kg	13	29	U	ug/kg	29	-		ug/kg	
SEMIVOLATILES	ug/kg																
N-Nitrosodimethylamine		440	U	ug/kg	440	430	U	ug/kg	430	610	U	ug/kg	610	-		ug/kg	
Phenol		440	U	ug/kg	440	430	U	ug/kg	430	610	U	ug/kg	610	-		ug/kg	
Aniline		440	U	ug/kg	440	430	U	ug/kg	430	610	U	ug/kg	610	-		ug/kg	
bis(2-Chloroethyl) ether		440	U	ug/kg	440	430	U	ug/kg	430	610	U	ug/kg	610	-		ug/kg	
Benzyl Alcohol		440	U	ug/kg	440	430	U	ug/kg	430	610	U	ug/kg	610	-		ug/kg	
2-Methylphenol		440	U	ug/kg	440	430	U	ug/kg	430	610	U	ug/kg	610	-		ug/kg	
bis(2-Chloroisopropyl) ether		-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
N-Nitroso-di-n-propylamine		440	U	ug/kg	440	430	U	ug/kg	430	610	U	ug/kg	610	-		ug/kg	
Hexachloroethane		440	U	ug/kg	440	430	U	ug/kg	430	610	U	ug/kg	610	-		ug/kg	
Nitrobenzene		440	U	ug/kg	440	430	U	ug/kg	430	610	U	ug/kg	610	-		ug/kg	
Isophorone		440	U	ug/kg	440	430	U	ug/kg	430	610	U	ug/kg	610	-		ug/kg	
2-Nitrophenol		440	U	ug/kg	440	430	U	ug/kg	430	610	U	ug/kg	610	-		ug/kg	
2,4-Dimethylphenol		440	U	ug/kg	440	430	U	ug/kg	430	610	U	ug/kg	610	-		ug/kg	
Benzoic acid		2100	U	ug/kg	2100	2100	U	ug/kg	2100	3000	U	ug/kg	3000	-		ug/kg	
bis(2-Chloroethoxy) methane		440	U	ug/kg	440	430	U	ug/kg	430	610	U	ug/kg	610	-		ug/kg	
2,4-Dichlorophenol		440	U	ug/kg	440	430	U	ug/kg	430	610	U	ug/kg	610	-		ug/kg	
1,2,4-Trichlorobenzene		440	U	ug/kg	440	430	U	ug/kg	430	610	U	ug/kg	610	-		ug/kg	
Naphthalene		440	U	ug/kg	440	430	U	ug/kg	430	610	U	ug/kg	610	-		ug/kg	
4-Chloroaniline		440	U	ug/kg	440	430	U	ug/kg	430	610	U	ug/kg	610	-		ug/kg	
Hexachlorobutadiene		440	U	ug/kg	440	430	U	ug/kg	430	610	U	ug/kg	610	-		ug/kg	
4-Chloro-3-methylphenol		440	U	ug/kg	440	430	U	ug/kg	430	610	U	ug/kg	610	-		ug/kg	
2-Methylnaphthalene		440	U	ug/kg	440	430	U	ug/kg	430	610	U	ug/kg	610	-		ug/kg	
Hexachlorocyclopentadiene		440	U	ug/kg	440	430	U	ug/kg	430	610	U	ug/kg	610	-		ug/kg	
2,4,6-Trichlorophenol		440	U	ug/kg	440	430	U	ug/kg	430	610	U	ug/kg	610	-		ug/kg	
Dimethylphthalate		440	U	ug/kg	440	430	U	ug/kg	430	610	U	ug/kg	610	-		ug/kg	
2,4,5-Trichlorophenol		2100	U	ug/kg	2100	2100	U	ug/kg	2100	3000	U	ug/kg	3000	-		ug/kg	
2-Chloronaphthalene		440	U	ug/kg	440	430	U	ug/kg	430	610	U	ug/kg	610	-		ug/kg	
2-Nitroaniline		2100	U	ug/kg	2100	2100	U	ug/kg	2100	3000	U	ug/kg	3000	-		ug/kg	
Acenaphthylene		440	U	ug/kg	440	430	U	ug/kg	430	610	U	ug/kg	610	-		ug/kg	
2,6-Dinitrotoluene		440	U	ug/kg	440	430	U	ug/kg	430	610	U	ug/kg	610	-		ug/kg	
3-Nitroaniline		2100	U	ug/kg	2100	2100	U	ug/kg	2100	3000	U	ug/kg	3000	-		ug/kg	
Acenaphthene		440	U	ug/kg	440	430	U	ug/kg	430	610	U	ug/kg	610	-		ug/kg	
2,4-Dinitrophenol		2100	U	ug/kg	2100	2100	U	ug/kg	2100	3000	U	ug/kg	3000	-		ug/kg	
4-Nitrophenol		2100	U	ug/kg	2100	2100	U	ug/kg	2100	3000	U	ug/kg	3000	-		ug/kg	
Dibenzofuran		440	U	ug/kg	440	430	U	ug/kg	430	610	U	ug/kg	610	-		ug/kg	
2,4-Dinitrotoluene		440	U	ug/kg	440	430	U	ug/kg	430	610	U	ug/kg	610	-		ug/kg	
Diethylphthalate		440	U	ug/kg	440	430	U	ug/kg	430	610	U	ug/kg	610	-		ug/kg	
4-Chlorophenyl-phenylether		440	U	ug/kg	440	430	U	ug/kg	430	610	U	ug/kg	610	-		ug/kg	
Fluorene		440	U	ug/kg	440	430	U	ug/kg	430	610	U	ug/kg	610	-		ug/kg	
4-Nitroaniline		2100	U	ug/kg	2100	2100	U	ug/kg	2100	3000	U	ug/kg	3000	-		ug/kg	
4,6-Dinitro-2-methylphenol		2100	U	ug/kg	2100	2100	U	ug/kg	2100	3000	U	ug/kg	3000	-		ug/kg	

US Naval Station, Mayport, Florida
Analytical Results for Background Sediment Samples

Lab Sample Number:	MPT-B-SD-1				MPT-B-SD-2				MPT-B-SD-3				01528010		
Site	BACKGROUND				BACKGROUND				BACKGROUND				BACKGROUND		
Locator	MPT-B-SD-1				MPT-B-SD-2				MPT-B-SD-3				MPTBSD4		
Collect Date:	21-JAN-92				21-JAN-92				21-JAN-92				17-FEB-93		
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
N-Nitrosodiphenylamine	440	U	ug/kg	440	430	U	ug/kg	430	610	U	ug/kg	610	-		ug/kg	
1,2-Diphenylhydrazine	440	U	ug/kg	440	430	U	ug/kg	430	610	U	ug/kg	610	-		ug/kg	
4-Bromophenyl-phenylether	440	U	ug/kg	440	430	U	ug/kg	430	610	U	ug/kg	610	-		ug/kg	
Hexachlorobenzene	440	U	ug/kg	440	430	U	ug/kg	430	610	U	ug/kg	610	-		ug/kg	
Pentachlorophenol	2100	U	ug/kg	2100	2100	U	ug/kg	2100	3000	U	ug/kg	3000	-		ug/kg	
Phenanthrene	440	U	ug/kg	440	430	U	ug/kg	430	610	U	ug/kg	610	-		ug/kg	
Anthracene	440	U	ug/kg	440	430	U	ug/kg	430	610	U	ug/kg	610	-		ug/kg	
Di-n-Butylphthalate	440	U	ug/kg	440	54	J	ug/kg		70	J	ug/kg		-		ug/kg	
Fluoranthene	440	U	ug/kg	440	430	U	ug/kg	430	610	U	ug/kg	610	-		ug/kg	
Pyrene	440	U	ug/kg	440	430	U	ug/kg	430	610	U	ug/kg	610	-		ug/kg	
Butylbenzylphthalate	440	U	ug/kg	440	430	U	ug/kg	430	610	U	ug/kg	610	-		ug/kg	
3,3-Dichlorobenzidine	880	U	ug/kg	880	870	U	ug/kg	870	1200	U	ug/kg	1200	-		ug/kg	
Benzo (a) anthracene	440	U	ug/kg	440	430	U	ug/kg	430	610	U	ug/kg	610	-		ug/kg	
Chrysene	440	U	ug/kg	440	430	U	ug/kg	430	610	U	ug/kg	610	-		ug/kg	
bis(2-Ethylhexyl) phthalate	440	U	ug/kg	440	430	U	ug/kg	430	260	J	ug/kg		-		ug/kg	
Di-n-octylphthalate	440	U	ug/kg	440	430	U	ug/kg	430	610	U	ug/kg	610	-		ug/kg	
Benzo (b) fluoranthene	440	U	ug/kg	440	430	U	ug/kg	430	610	U	ug/kg	610	-		ug/kg	
Benzo (k) fluoranthene	440	U	ug/kg	440	430	U	ug/kg	430	610	U	ug/kg	610	-		ug/kg	
Benzo (a) pyrene	440	U	ug/kg	440	430	U	ug/kg	430	610	U	ug/kg	610	-		ug/kg	
Indeno (1,2,3-cd) pyrene	440	U	ug/kg	440	430	U	ug/kg	430	610	U	ug/kg	610	-		ug/kg	
Dibenzo (a,h) anthracene	440	U	ug/kg	440	430	U	ug/kg	430	610	U	ug/kg	610	-		ug/kg	
Benzo (g,h,i) perylene	440	U	ug/kg	440	430	U	ug/kg	430	610	U	ug/kg	610	-		ug/kg	
2-Picoline	2100	U	ug/kg	2100	2100	U	ug/kg	2100	3000	U	ug/kg	3000	-		ug/kg	
Methyl methanesulfonate	440	U	ug/kg	440	430	U	ug/kg	430	610	U	ug/kg	610	-		ug/kg	
Ethyl methanesulfonate	440	U	ug/kg	440	430	U	ug/kg	430	610	U	ug/kg	610	-		ug/kg	
Acetophenone	440	U	ug/kg	440	430	U	ug/kg	430	610	U	ug/kg	610	-		ug/kg	
N-Nitrosopiperidine	440	U	ug/kg	440	430	U	ug/kg	430	610	U	ug/kg	610	-		ug/kg	
Phenyl-tert-butylamine	2100	R	ug/kg		2100	R	ug/kg		3000	R	ug/kg		-		ug/kg	
2,6-Dichlorophenol	440	U	ug/kg	440	430	U	ug/kg	430	610	U	ug/kg	610	-		ug/kg	
N-Nitroso-di-n-butylamine	440	U	ug/kg	440	430	U	ug/kg	430	610	U	ug/kg	610	-		ug/kg	
N-Nitrosodiethylamine	440	UJ	ug/kg		430	UJ	ug/kg		610	UJ	ug/kg		-		ug/kg	
N-Nitrosopyrrolidine	440	UJ	ug/kg		430	UJ	ug/kg		610	UJ	ug/kg		-		ug/kg	
Benzidine	2100	U	ug/kg	2100	2100	U	ug/kg	2100	3000	U	ug/kg	3000	-		ug/kg	
1,2,4,5-Tetrachlorobenzene	2100	U	ug/kg	2100	2100	U	ug/kg	2100	3000	U	ug/kg	3000	-		ug/kg	
Pentachlorobenzene	2100	U	ug/kg	2100	2100	U	ug/kg	2100	3000	U	ug/kg	3000	-		ug/kg	
1-Naphthylamine	2100	U	ug/kg	2100	2100	U	ug/kg	2100	3000	U	ug/kg	3000	-		ug/kg	
2-Naphthylamine	2100	U	ug/kg	2100	2100	U	ug/kg	2100	3000	U	ug/kg	3000	-		ug/kg	
2,3,4,6-Tetrachlorophenol	440	U	ug/kg	440	430	U	ug/kg	430	610	U	ug/kg	610	-		ug/kg	
Phenacetin	440	U	ug/kg	440	430	U	ug/kg	430	610	U	ug/kg	610	-		ug/kg	
4-Aminobiphenyl	2100	U	ug/kg	2100	2100	U	ug/kg	2100	3000	U	ug/kg	3000	-		ug/kg	
Pentachloronitrobenzene	2100	U	ug/kg	2100	2100	U	ug/kg	2100	3000	U	ug/kg	3000	-		ug/kg	
Pronamide	440	U	ug/kg	440	430	U	ug/kg	430	610	U	ug/kg	610	-		ug/kg	
p-Dimethylaminoazobenzene	440	U	ug/kg	440	430	U	ug/kg	430	610	U	ug/kg	610	-		ug/kg	
7,12-Dimethylbenz(A)Anthracene	440	U	ug/kg	440	430	U	ug/kg	430	610	U	ug/kg	610	-		ug/kg	
3-Methylcholanthrene	440	U	ug/kg	440	430	U	ug/kg	430	610	U	ug/kg	610	-		ug/kg	
Pyridine	2100	U	ug/kg	2100	2100	U	ug/kg	2100	3000	U	ug/kg	3000	-		ug/kg	
N-Nitrosomethylethylamine	440	UJ	ug/kg		430	UJ	ug/kg		610	UJ	ug/kg		-		ug/kg	
N-Nitrosomorpholine	440	UJ	ug/kg		430	UJ	ug/kg		610	UJ	ug/kg		-		ug/kg	
o-Toluidine	440	UJ	ug/kg		430	UJ	ug/kg		610	UJ	ug/kg		-		ug/kg	
Hexachloropropene	2100	UJ	ug/kg		2100	UJ	ug/kg		3000	UJ	ug/kg		-		ug/kg	
p-Phenylenediamine	2100	UJ	ug/kg		2100	UJ	ug/kg		3000	UJ	ug/kg		-		ug/kg	
Safrole	2100	UJ	ug/kg		2100	UJ	ug/kg		3000	UJ	ug/kg		-		ug/kg	

US Naval Station, Mayport, Florida
Analytical Results for Background Sediment Samples

Lab Sample Number:		MPT-B-SD-1				MPT-B-SD-2				MPT-B-SD-3				01528010			
Site		BACKGROUND				BACKGROUND				BACKGROUND				BACKGROUND			
Locator		MPT-B-SD-1				MPT-B-SD-2				MPT-B-SD-3				MPTBSD4			
Collect Date:		21-JAN-92				21-JAN-92				21-JAN-92				17-FEB-93			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Isosafrole		2100	UJ	ug/kg		2100	UJ	ug/kg		3000	UJ	ug/kg		-		ug/kg	
1,4-Naphthoquinone		2100	UJ	ug/kg		2100	UJ	ug/kg		3000	UJ	ug/kg		-		ug/kg	
1,3-Dinitrobenzene		440	UJ	ug/kg		430	UJ	ug/kg		610	UJ	ug/kg		-		ug/kg	
5-Nitro-o-toluidine		440	UJ	ug/kg		430	UJ	ug/kg		610	UJ	ug/kg		-		ug/kg	
1,3,5-Trinitrobenzene		440	UJ	ug/kg		430	UJ	ug/kg		610	UJ	ug/kg		-		ug/kg	
4-Nitroquinoline-1-oxide		440	UJ	ug/kg		430	UJ	ug/kg		610	UJ	ug/kg		-		ug/kg	
Methapyrilene		2100	UJ	ug/kg		2100	UJ	ug/kg		3000	UJ	ug/kg		-		ug/kg	
3,3-Dimethylbenzidine		440	UJ	ug/kg		430	UJ	ug/kg		610	UJ	ug/kg		-		ug/kg	
Hexachlorophene		2100	UJ	ug/kg		2100	UJ	ug/kg		3000	UJ	ug/kg		-		ug/kg	
Aramite		-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
2-Chlorophenol		440	U	ug/kg	440	430	U	ug/kg	430	610	U	ug/kg	610	-		ug/kg	
3- & 4-Methylphenol (2)		-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Hexachloropropene		2100	UJ	ug/kg		2100	UJ	ug/kg		3000	UJ	ug/kg		-		ug/kg	
2-Acetylaminofluorene		440	UJ	ug/kg		430	UJ	ug/kg		610	UJ	ug/kg		-		ug/kg	
PESTICIDES/PCBs	ug/kg																
alpha-BHC		.5	U	ug/kg	.5	.5	U	ug/kg	.5	3.7	U	ug/kg	3.7	-		ug/kg	
beta-BHC		1.1	U	ug/kg	1.1	1	U	ug/kg	1	7.4	U	ug/kg	7.4	-		ug/kg	
delta-BHC		.5	U	ug/kg	.5	.5	U	ug/kg	.5	3.7	U	ug/kg	3.7	-		ug/kg	
gamma-BHC (Lindane)		.5	U	ug/kg	.5	.5	U	ug/kg	.5	3.7	U	ug/kg	3.7	-		ug/kg	
Heptachlor		.5	U	ug/kg	.5	.5	U	ug/kg	.5	3.7	U	ug/kg	3.7	-		ug/kg	
Aldrin		.5	U	ug/kg	.5	.5	U	ug/kg	.5	3.7	U	ug/kg	3.7	-		ug/kg	
Heptachlor epoxide		.5	U	ug/kg	.5	.5	U	ug/kg	.5	3.7	U	ug/kg	3.7	-		ug/kg	
Endosulfan I		1.1	U	ug/kg	1.1	1	U	ug/kg	1	7.4	U	ug/kg	7.4	-		ug/kg	
Dieldrin		1.1	U	ug/kg	1.1	1	U	ug/kg	1	7.4	U	ug/kg	7.4	-		ug/kg	
4,4-DDE		3		ug/kg		1	U	ug/kg	1	7.4	U	ug/kg	7.4	-		ug/kg	
Endrin		1.1	U	ug/kg	1.1	1	U	ug/kg	1	7.4	U	ug/kg	7.4	-		ug/kg	
Endosulfan II		1.1	U	ug/kg	1.1	1	U	ug/kg	1	7.4	U	ug/kg	7.4	-		ug/kg	
4,4-DDD		1.1	U	ug/kg	1.1	1	U	ug/kg	1	7.4	U	ug/kg	7.4	-		ug/kg	
Endosulfan sulfate		1.1	U	ug/kg	1.1	1	U	ug/kg	1	7.4	U	ug/kg	7.4	-		ug/kg	
4,4-DDT		.8	J	ug/kg		1	U	ug/kg	1	7.4	U	ug/kg	7.4	-		ug/kg	
Methoxychlor		2.1	U	ug/kg	2.1	2.1	U	ug/kg	2.1	15	U	ug/kg	15	-		ug/kg	
Endrin aldehyde		-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Endrin ketone		1.1	U	ug/kg	1.1	1	U	ug/kg	1	7.4	U	ug/kg	7.4	-		ug/kg	
Chlordane		5	U	ug/kg	5	5	U	ug/kg	5	37	U	ug/kg	37	-		ug/kg	
Chlorobenzilate		27	U	ug/kg	27	26	U	ug/kg	26	180	U	ug/kg	180	-		ug/kg	
Diallate		53	U	ug/kg	53	53	U	ug/kg	53	370	U	ug/kg	370	-		ug/kg	
Toxaphene		27	U	ug/kg	27	26	U	ug/kg	26	180	U	ug/kg	180	-		ug/kg	
Isodrin		1.1	U	ug/kg	1.1	1	U	ug/kg	1	7.4	U	ug/kg	7.4	-		ug/kg	
Kepone		-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Aroclor-1016		43	U	ug/kg	43	42	U	ug/kg	42	300	U	ug/kg	300	-		ug/kg	
Aroclor-1221		110	U	ug/kg	110	100	U	ug/kg	100	740	U	ug/kg	740	-		ug/kg	
Aroclor-1232		110	U	ug/kg	110	100	U	ug/kg	100	740	U	ug/kg	740	-		ug/kg	
Aroclor-1242		43	U	ug/kg	43	42	U	ug/kg	42	300	U	ug/kg	300	-		ug/kg	
Aroclor-1248		21	U	ug/kg	21	21	U	ug/kg	21	150	U	ug/kg	150	-		ug/kg	
Aroclor-1254		11	U	ug/kg	11	10	U	ug/kg	10	74	U	ug/kg	74	-		ug/kg	
Aroclor-1260		11	U	ug/kg	11	10	U	ug/kg	10	74	U	ug/kg	74	-		ug/kg	
INORGANICS (SOIL)	mg/kg																
Antimony		11.4	UJ	mg/kg		11	UJ	mg/kg		18.2	UJ	mg/kg		6.3	U	mg/kg	6.3
Arsenic		.68	J	mg/kg		.21	U	mg/kg	.21	4.2	J	mg/kg		.01	U	mg/kg	.01
Barium		3.6	J	mg/kg		7.4	J	mg/kg		16.1	J	mg/kg		6.5	J	mg/kg	

US Naval Station, Mayport, Florida
Analytical Results for Background Sediment Samples

Lab Sample Number:	MPT-B-SD-1				MPT-B-SD-2				MPT-B-SD-3				01528010			
Site	BACKGROUND				BACKGROUND				BACKGROUND				BACKGROUND			
Locator	MPT-B-SD-1				MPT-B-SD-2				MPT-B-SD-3				MPTBSD4			
Collect Date:	21-JAN-92				21-JAN-92				21-JAN-92				17-FEB-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Beryllium	.059	U	mg/kg	.059	.045	U	mg/kg	.045	.59	U	mg/kg	.59	.07	U	mg/kg	.07
Cadmium	.46	U	mg/kg	.46	.44	U	mg/kg	.44	.82	J	mg/kg		1	U	mg/kg	1
Chromium	2.5	J	mg/kg		4.4		mg/kg		28.1		mg/kg		1.3	J	mg/kg	
Cobalt	2.1	U	mg/kg	2.1	1.5	U	mg/kg	1.5	6.4	U	mg/kg	6.4	.57	U	mg/kg	.57
Copper	2	J	mg/kg		2.3	J	mg/kg		3.1	J	mg/kg		.43	U	mg/kg	.43
Cyanide	-		mg/kg		-		mg/kg		-		mg/kg		.19	U	mg/kg	.19
Lead	3.4		mg/kg		3		mg/kg		8.5		mg/kg		1.2	U	mg/kg	1.2
Mercury	.078	U	mg/kg	.078	.068	U	mg/kg	.068	.15	U	mg/kg	.15	.04	UJ	mg/kg	
Nickel	2	U	mg/kg	2	5.5	J	mg/kg		7.1	J	mg/kg		3.2	U	mg/kg	3.2
Selenium	.39	J	mg/kg		.32	J	mg/kg		.52	J	mg/kg		.71	J	mg/kg	
Silver	.66	U	mg/kg	.66	.64	U	mg/kg	.64	1.1	U	mg/kg	1.1	.62	U	mg/kg	.62
Thallium	.4	UJ	mg/kg		.39	UJ	mg/kg		.64	UJ	mg/kg		.65	UJ	mg/kg	
Tin	59.1	U	mg/kg	59.1	57.3	U	mg/kg	57.3	94.8	U	mg/kg	94.8	8.9	U	mg/kg	8.9
Vanadium	2.2	J	mg/kg		3.7	J	mg/kg		28.4		mg/kg		1.6	J	mg/kg	
Zinc	7.7		mg/kg		6.1		mg/kg		26.7		mg/kg		3	J	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.

US Naval Station, Mayport, Florida
Analytical Results for Background Sediment Samples

Lab Sample Number:		01538011				24081011				35168011				01529002		
Site		BACKGROUND				BACKGROUND				BACKGROUND				BACKGROUND		
Locator		MPTBSD4				MPTBSD4				MPTBSD4				MPTBSD5		
Collect Date:		17-FEB-93				17-FEB-93				17-FEB-93				18-FEB-93		
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
VOLATILES	ug/kg																
Chloromethane		12	U	ug/kg	12	-		ug/kg		-		ug/kg		-		ug/kg	
Bromomethane		12	U	ug/kg	12	-		ug/kg		-		ug/kg		-		ug/kg	
Vinyl chloride		12	U	ug/kg	12	-		ug/kg		-		ug/kg		-		ug/kg	
Chloroethane		12	U	ug/kg	12	-		ug/kg		-		ug/kg		-		ug/kg	
Methylene chloride		6	U	ug/kg	6	-		ug/kg		-		ug/kg		-		ug/kg	
Acetone		12	U	ug/kg	12	-		ug/kg		-		ug/kg		-		ug/kg	
Carbon disulfide		6	U	ug/kg	6	-		ug/kg		-		ug/kg		-		ug/kg	
1,1-Dichloroethane		6	U	ug/kg	6	-		ug/kg		-		ug/kg		-		ug/kg	
1,1-Dichloroethene		6	U	ug/kg	6	-		ug/kg		-		ug/kg		-		ug/kg	
1,2-Dichloroethene (total)		6	U	ug/kg	6	-		ug/kg		-		ug/kg		-		ug/kg	
Chloroform		6	U	ug/kg	6	-		ug/kg		-		ug/kg		-		ug/kg	
1,2-Dichloroethane		6	U	ug/kg	6	-		ug/kg		-		ug/kg		-		ug/kg	
2-Butanone		12	U	ug/kg	12	-		ug/kg		-		ug/kg		-		ug/kg	
1,1,1-Trichloroethane		6	U	ug/kg	6	-		ug/kg		-		ug/kg		-		ug/kg	
Carbon tetrachloride		6	U	ug/kg	6	-		ug/kg		-		ug/kg		-		ug/kg	
Bromodichloromethane		6	U	ug/kg	6	-		ug/kg		-		ug/kg		-		ug/kg	
1,2-Dichloropropane		6	U	ug/kg	6	-		ug/kg		-		ug/kg		-		ug/kg	
cis-1,3-Dichloropropene		6	U	ug/kg	6	-		ug/kg		-		ug/kg		-		ug/kg	
Trichloroethene		6	U	ug/kg	6	-		ug/kg		-		ug/kg		-		ug/kg	
Dibromochloromethane		6	U	ug/kg	6	-		ug/kg		-		ug/kg		-		ug/kg	
1,1,2-Trichloroethane		6	U	ug/kg	6	-		ug/kg		-		ug/kg		-		ug/kg	
Benzene		6	U	ug/kg	6	-		ug/kg		-		ug/kg		-		ug/kg	
trans-1,3-Dichloropropene		6	U	ug/kg	6	-		ug/kg		-		ug/kg		-		ug/kg	
Bromoform		6	U	ug/kg	6	-		ug/kg		-		ug/kg		-		ug/kg	
4-Methyl-2-pentanone		12	U	ug/kg	12	-		ug/kg		-		ug/kg		-		ug/kg	
2-Hexanone		12	U	ug/kg	12	-		ug/kg		-		ug/kg		-		ug/kg	
Tetrachloroethene		6	U	ug/kg	6	-		ug/kg		-		ug/kg		-		ug/kg	
1,1,2,2-Tetrachloroethane		6	U	ug/kg	6	-		ug/kg		-		ug/kg		-		ug/kg	
Toluene		6	U	ug/kg	6	-		ug/kg		-		ug/kg		-		ug/kg	
Chlorobenzene		6	U	ug/kg	6	-		ug/kg		-		ug/kg		-		ug/kg	
Ethylbenzene		6	U	ug/kg	6	-		ug/kg		-		ug/kg		-		ug/kg	
Styrene		6	U	ug/kg	6	-		ug/kg		-		ug/kg		-		ug/kg	
Xylenes (total)		6	U	ug/kg	6	-		ug/kg		-		ug/kg		-		ug/kg	
Dichlorodifluoromethane		12	U	ug/kg	12	-		ug/kg		-		ug/kg		-		ug/kg	
Trichlorofluoromethane		6	U	ug/kg	6	-		ug/kg		-		ug/kg		-		ug/kg	
1,3-Dichlorobenzene		6	U	ug/kg	6	-		ug/kg		840	U	ug/kg	840	-		ug/kg	
Acrolein		120	U	ug/kg	120	-		ug/kg		-		ug/kg		-		ug/kg	
Iodomethane		12	U	ug/kg	12	-		ug/kg		-		ug/kg		-		ug/kg	
1,4-Dichlorobenzene		6	U	ug/kg	6	-		ug/kg		840	U	ug/kg	840	-		ug/kg	
Acrylonitrile		120	U	ug/kg	120	-		ug/kg		-		ug/kg		-		ug/kg	

US Naval Station, Mayport, Florida
Analytical Results for Background Sediment Samples

Lab Sample Number:		01538011				24081011				35168011				01529002		
Site		BACKGROUND				BACKGROUND				BACKGROUND				BACKGROUND		
Locator		MPTBSD4				MPTBSD4				MPTBSD4				MPTBSD5		
Collect Date:		17-FEB-93				17-FEB-93				17-FEB-93				18-FEB-93		
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Dibromomethane		6	U	ug/kg	6	-		ug/kg		-		ug/kg		-		ug/kg	
1,2-Dichlorobenzene		6	U	ug/kg	6	-		ug/kg		840	U	ug/kg	840	-		ug/kg	
2-Chloroethylvinyl ether		12	U	ug/kg	12	-		ug/kg		-		ug/kg		-		ug/kg	
Ethyl methacrylate		6	U	ug/kg	6	-		ug/kg		-		ug/kg		-		ug/kg	
1,2,3-Trichloropropane		6	U	ug/kg	6	-		ug/kg		-		ug/kg		-		ug/kg	
trans-1,4-Dichloro-2-butene		6	U	ug/kg	6	-		ug/kg		-		ug/kg		-		ug/kg	
Isobutyl alcohol		1200	R	ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
1,1,1,2-Tetrachloroethane		6	U	ug/kg	6	-		ug/kg		-		ug/kg		-		ug/kg	
1,2-Dibromo-3-chloropropane		12	U	ug/kg	12	-		ug/kg		-		ug/kg		-		ug/kg	
Ethylene dibromide		6	U	ug/kg	6	-		ug/kg		-		ug/kg		-		ug/kg	
1,4-Dioxane		240	R	ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
3-Chloropropene		6	U	ug/kg	6	-		ug/kg		-		ug/kg		-		ug/kg	
Acetonitrile		120	U	ug/kg	120	-		ug/kg		-		ug/kg		-		ug/kg	
Chloroprene		240	R	ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Methacrylonitrile		6	U	ug/kg	6	-		ug/kg		-		ug/kg		-		ug/kg	
Methyl methacrylate		12	U	ug/kg	12	-		ug/kg		-		ug/kg		-		ug/kg	
Pentachloroethane		12	U	ug/kg	12	-		ug/kg		-		ug/kg		-		ug/kg	
Propionitrile		120	U	ug/kg	120	-		ug/kg		-		ug/kg		-		ug/kg	
Vinyl acetate		12	U	ug/kg	12	-		ug/kg		-		ug/kg		-		ug/kg	
SEMIVOLATILES	ug/kg																
N-Nitrosodimethylamine		-		ug/kg		-		ug/kg		840	U	ug/kg	840	-		ug/kg	
Phenol		-		ug/kg		-		ug/kg		840	U	ug/kg	840	-		ug/kg	
Aniline		-		ug/kg		-		ug/kg		840	U	ug/kg	840	-		ug/kg	
bis(2-Chloroethyl) ether		-		ug/kg		-		ug/kg		840	U	ug/kg	840	-		ug/kg	
Benzyl Alcohol		-		ug/kg		-		ug/kg		840	U	ug/kg	840	-		ug/kg	
2-Methylphenol		-		ug/kg		-		ug/kg		840	U	ug/kg	840	-		ug/kg	
bis(2-Chloroisopropyl) ether		-		ug/kg		-		ug/kg		840	U	ug/kg	840	-		ug/kg	
N-Nitroso-di-n-propylamine		-		ug/kg		-		ug/kg		840	U	ug/kg	840	-		ug/kg	
Hexachloroethane		-		ug/kg		-		ug/kg		840	U	ug/kg	840	-		ug/kg	
Nitrobenzene		-		ug/kg		-		ug/kg		840	U	ug/kg	840	-		ug/kg	
Isophorone		-		ug/kg		-		ug/kg		840	U	ug/kg	840	-		ug/kg	
2-Nitrophenol		-		ug/kg		-		ug/kg		840	U	ug/kg	840	-		ug/kg	
2,4-Dimethylphenol		-		ug/kg		-		ug/kg		840	U	ug/kg	840	-		ug/kg	
Benzoic acid		-		ug/kg		-		ug/kg		4100	U	ug/kg	4100	-		ug/kg	
bis(2-Chloroethoxy) methane		-		ug/kg		-		ug/kg		840	U	ug/kg	840	-		ug/kg	
2,4-Dichlorophenol		-		ug/kg		-		ug/kg		840	U	ug/kg	840	-		ug/kg	
1,2,4-Trichlorobenzene		-		ug/kg		-		ug/kg		840	U	ug/kg	840	-		ug/kg	
Naphthalene		-		ug/kg		-		ug/kg		840	U	ug/kg	840	-		ug/kg	
4-Chloroaniline		-		ug/kg		-		ug/kg		840	U	ug/kg	840	-		ug/kg	
Hexachlorobutadiene		-		ug/kg		-		ug/kg		840	U	ug/kg	840	-		ug/kg	
4-Chloro-3-methylphenol		-		ug/kg		-		ug/kg		840	U	ug/kg	840	-		ug/kg	
2-Methylnaphthalene		-		ug/kg		-		ug/kg		840	U	ug/kg	840	-		ug/kg	
Hexachlorocyclopentadiene		-		ug/kg		-		ug/kg		840	U	ug/kg	840	-		ug/kg	
2,4,6-Trichlorophenol		-		ug/kg		-		ug/kg		840	U	ug/kg	840	-		ug/kg	
Dimethylphthalate		-		ug/kg		-		ug/kg		840	U	ug/kg	840	-		ug/kg	
2,4,5-Trichlorophenol		-		ug/kg		-		ug/kg		4100	U	ug/kg	4100	-		ug/kg	
2-Chloronaphthalene		-		ug/kg		-		ug/kg		840	U	ug/kg	840	-		ug/kg	
2-Nitroaniline		-		ug/kg		-		ug/kg		4100	U	ug/kg	4100	-		ug/kg	
Acenaphthylene		-		ug/kg		-		ug/kg		840	U	ug/kg	840	-		ug/kg	
2,6-Dinitrotoluene		-		ug/kg		-		ug/kg		840	U	ug/kg	840	-		ug/kg	
3-Nitroaniline		-		ug/kg		-		ug/kg		4100	U	ug/kg	4100	-		ug/kg	

US Naval Station, Mayport, Florida
Analytical Results for Background Sediment Samples

Lab Sample Number:	01538011			24081011			35168011			01529002		
Site	BACKGROUND			BACKGROUND			BACKGROUND			BACKGROUND		
Locator	MPTBSD4			MPTBSD4			MPTBSD4			MPTBSD5		
Collect Date:	17-FEB-93			17-FEB-93			17-FEB-93			18-FEB-93		
	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
Acenaphthene	-	ug/kg		-	ug/kg		840 U	ug/kg	840	-	ug/kg	
2,4-Dinitrophenol	-	ug/kg		-	ug/kg		4100 U	ug/kg	4100	-	ug/kg	
4-Nitrophenol	-	ug/kg		-	ug/kg		4100 U	ug/kg	4100	-	ug/kg	
Dibenzofuran	-	ug/kg		-	ug/kg		840 U	ug/kg	840	-	ug/kg	
2,4-Dinitrotoluene	-	ug/kg		-	ug/kg		840 U	ug/kg	840	-	ug/kg	
Diethylphthalate	-	ug/kg		-	ug/kg		840 U	ug/kg	840	-	ug/kg	
4-Chlorophenyl-phenylether	-	ug/kg		-	ug/kg		840 U	ug/kg	840	-	ug/kg	
Fluorene	-	ug/kg		-	ug/kg		840 U	ug/kg	840	-	ug/kg	
4-Nitroaniline	-	ug/kg		-	ug/kg		4100 U	ug/kg	4100	-	ug/kg	
4,6-Dinitro-2-methylphenol	-	ug/kg		-	ug/kg		4100 U	ug/kg	4100	-	ug/kg	
N-Nitrosodiphenylamine	-	ug/kg		-	ug/kg		840 U	ug/kg	840	-	ug/kg	
1,2-Diphenylhydrazine	-	ug/kg		-	ug/kg		840 U	ug/kg	840	-	ug/kg	
4-Bromophenyl-phenylether	-	ug/kg		-	ug/kg		840 U	ug/kg	840	-	ug/kg	
Hexachlorobenzene	-	ug/kg		-	ug/kg		840 U	ug/kg	840	-	ug/kg	
Pentachlorophenol	-	ug/kg		-	ug/kg		4100 U	ug/kg	4100	-	ug/kg	
Phenanthrene	-	ug/kg		-	ug/kg		840 U	ug/kg	840	-	ug/kg	
Anthracene	-	ug/kg		-	ug/kg		840 U	ug/kg	840	-	ug/kg	
Di-n-Butylphthalate	-	ug/kg		-	ug/kg		840 U	ug/kg	840	-	ug/kg	
Fluoranthene	-	ug/kg		-	ug/kg		840 U	ug/kg	840	-	ug/kg	
Pyrene	-	ug/kg		-	ug/kg		840 U	ug/kg	840	-	ug/kg	
Butylbenzylphthalate	-	ug/kg		-	ug/kg		840 U	ug/kg	840	-	ug/kg	
3,3-Dichlorobenzidine	-	ug/kg		-	ug/kg		1700 U	ug/kg	1700	-	ug/kg	
Benzo (a) anthracene	-	ug/kg		-	ug/kg		840 U	ug/kg	840	-	ug/kg	
Chrysene	-	ug/kg		-	ug/kg		840 U	ug/kg	840	-	ug/kg	
bis(2-Ethylhexyl) phthalate	-	ug/kg		-	ug/kg		840 U	ug/kg	840	-	ug/kg	
Di-n-octylphthalate	-	ug/kg		-	ug/kg		840 U	ug/kg	840	-	ug/kg	
Benzo (b) fluoranthene	-	ug/kg		-	ug/kg		840 U	ug/kg	840	-	ug/kg	
Benzo (k) fluoranthene	-	ug/kg		-	ug/kg		840 U	ug/kg	840	-	ug/kg	
Benzo (a) pyrene	-	ug/kg		-	ug/kg		840 U	ug/kg	840	-	ug/kg	
Indeno (1,2,3-cd) pyrene	-	ug/kg		-	ug/kg		840 U	ug/kg	840	-	ug/kg	
Dibenzo (a,h) anthracene	-	ug/kg		-	ug/kg		840 U	ug/kg	840	-	ug/kg	
Benzo (g,h,i) perylene	-	ug/kg		-	ug/kg		840 U	ug/kg	840	-	ug/kg	
2-Picoline	-	ug/kg		-	ug/kg		4100 U	ug/kg	4100	-	ug/kg	
Methyl methanesulfonate	-	ug/kg		-	ug/kg		840 U	ug/kg	840	-	ug/kg	
Ethyl methanesulfonate	-	ug/kg		-	ug/kg		840 U	ug/kg	840	-	ug/kg	
Acetophenone	-	ug/kg		-	ug/kg		840 U	ug/kg	840	-	ug/kg	
N-Nitrosopiperidine	-	ug/kg		-	ug/kg		840 UJ	ug/kg		-	ug/kg	
Phenyl-tert-butylamine	-	ug/kg		-	ug/kg		4100 U	ug/kg	4100	-	ug/kg	
2,6-Dichlorophenol	-	ug/kg		-	ug/kg		840 U	ug/kg	840	-	ug/kg	
N-Nitroso-di-n-butylamine	-	ug/kg		-	ug/kg		840 U	ug/kg	840	-	ug/kg	
N-Nitrosodiethylamine	-	ug/kg		-	ug/kg		840 U	ug/kg	840	-	ug/kg	
N-Nitrosopyrrolidine	-	ug/kg		-	ug/kg		840 U	ug/kg	840	-	ug/kg	
Benzidine	-	ug/kg		-	ug/kg		4100 U	ug/kg	4100	-	ug/kg	
1,2,4,5-Tetrachlorobenzene	-	ug/kg		-	ug/kg		4100 U	ug/kg	4100	-	ug/kg	
Pentachlorobenzene	-	ug/kg		-	ug/kg		4100 U	ug/kg	4100	-	ug/kg	
1-Naphthylamine	-	ug/kg		-	ug/kg		4100 U	ug/kg	4100	-	ug/kg	
2-Naphthylamine	-	ug/kg		-	ug/kg		4100 U	ug/kg	4100	-	ug/kg	
2,3,4,6-Tetrachlorophenol	-	ug/kg		-	ug/kg		840 U	ug/kg	840	-	ug/kg	
Phenacetin	-	ug/kg		-	ug/kg		840 U	ug/kg	840	-	ug/kg	
4-Aminobiphenyl	-	ug/kg		-	ug/kg		4100 U	ug/kg	4100	-	ug/kg	
Pentachloronitrobenzene	-	ug/kg		-	ug/kg		4100 U	ug/kg	4100	-	ug/kg	
Pronamide	-	ug/kg		-	ug/kg		840 U	ug/kg	840	-	ug/kg	

US Naval Station, Mayport, Florida
Analytical Results for Background Sediment Samples

Lab Sample Number:	01538011				24081011				35168011				01529002			
Site	BACKGROUND				BACKGROUND				BACKGROUND				BACKGROUND			
Locator	MPTBSD4				MPTBSD4				MPTBSD4				MPTBSD5			
Collect Date:	17-FEB-93				17-FEB-93				17-FEB-93				18-FEB-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
p-Dimethylaminoazobenzene	-		ug/kg		-		ug/kg		840	U	ug/kg	840	-		ug/kg	
7,12-Dimethylbenz(A)Anthracene	-		ug/kg		-		ug/kg		840	UJ	ug/kg		-		ug/kg	
3-Methylcholanthrene	-		ug/kg		-		ug/kg		840	UJ	ug/kg		-		ug/kg	
Pyridine	-		ug/kg		-		ug/kg		4100	U	ug/kg	4100	-		ug/kg	
N-Nitrosomethylethylamine	-		ug/kg		-		ug/kg		840	U	ug/kg	840	-		ug/kg	
N-Nitrosomorpholine	-		ug/kg		-		ug/kg		840	U	ug/kg	840	-		ug/kg	
o-Toluidine	-		ug/kg		-		ug/kg		840	U	ug/kg	840	-		ug/kg	
Hexachloropropene	-		ug/kg		-		ug/kg		4100	U	ug/kg	4100	-		ug/kg	
p-Phenylenediamine	-		ug/kg		-		ug/kg		41000	U	ug/kg	41000	-		ug/kg	
Safrole	-		ug/kg		-		ug/kg		4100	U	ug/kg	4100	-		ug/kg	
Isosafrole	-		ug/kg		-		ug/kg		4100	U	ug/kg	4100	-		ug/kg	
1,4-Naphthoquinone	-		ug/kg		-		ug/kg		84000	U	ug/kg	84000	-		ug/kg	
1,3-Dinitrobenzene	-		ug/kg		-		ug/kg		840	U	ug/kg	840	-		ug/kg	
5-Nitro-o-toluidine	-		ug/kg		-		ug/kg		840	U	ug/kg	840	-		ug/kg	
1,3,5-Trinitrobenzene	-		ug/kg		-		ug/kg		840	UJ	ug/kg		-		ug/kg	
4-Nitroquinoline-1-oxide	-		ug/kg		-		ug/kg		41000	U	ug/kg	41000	-		ug/kg	
Methapyrilene	-		ug/kg		-		ug/kg		4100	U	ug/kg	4100	-		ug/kg	
3,3-Dimethylbenzidine	-		ug/kg		-		ug/kg		840	U	ug/kg	840	-		ug/kg	
Hexachlorophene	-		ug/kg		-		ug/kg		41000	U	ug/kg	41000	-		ug/kg	
Aramite	-		ug/kg		-		ug/kg		4100	R	ug/kg		-		ug/kg	
2-Chlorophenol	-		ug/kg		-		ug/kg		840	U	ug/kg	840	-		ug/kg	
3- & 4-Methylphenol (2)	-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Hexachloropropene	-		ug/kg		-		ug/kg		4100	U	ug/kg	4100	-		ug/kg	
2-Acetylaminofluorene	-		ug/kg		-		ug/kg		840	U	ug/kg	840	-		ug/kg	
PESTICIDES/PCBs ug/kg																
alpha-BHC	-		ug/kg		.7	U	ug/kg	.7	-		ug/kg		-		ug/kg	
beta-BHC	-		ug/kg		1.5	U	ug/kg	1.5	-		ug/kg		-		ug/kg	
delta-BHC	-		ug/kg		.7	U	ug/kg	.7	-		ug/kg		-		ug/kg	
gamma-BHC (Lindane)	-		ug/kg		.7	U	ug/kg	.7	-		ug/kg		-		ug/kg	
Heptachlor	-		ug/kg		.7	U	ug/kg	.7	-		ug/kg		-		ug/kg	
Aldrin	-		ug/kg		.7	U	ug/kg	.7	-		ug/kg		-		ug/kg	
Heptachlor epoxide	-		ug/kg		.7	U	ug/kg	.7	-		ug/kg		-		ug/kg	
Endosulfan I	-		ug/kg		.7	U	ug/kg	.7	-		ug/kg		-		ug/kg	
Dieldrin	-		ug/kg		.7	U	ug/kg	.7	-		ug/kg		-		ug/kg	
4,4-DDE	-		ug/kg		.7	U	ug/kg	.7	-		ug/kg		-		ug/kg	
Endrin	-		ug/kg		1.5	U	ug/kg	1.5	-		ug/kg		-		ug/kg	
Endosulfan II	-		ug/kg		1.5	U	ug/kg	1.5	-		ug/kg		-		ug/kg	
4,4-DDD	-		ug/kg		1.5	U	ug/kg	1.5	-		ug/kg		-		ug/kg	
Endosulfan sulfate	-		ug/kg		1.5	U	ug/kg	1.5	-		ug/kg		-		ug/kg	
4,4-DDT	-		ug/kg		1.5	U	ug/kg	1.5	-		ug/kg		-		ug/kg	
Methoxychlor	-		ug/kg		3.2	U	ug/kg	3.2	-		ug/kg		-		ug/kg	
Endrin aldehyde	-		ug/kg		1.5	U	ug/kg	1.5	-		ug/kg		-		ug/kg	
Endrin ketone	-		ug/kg		1.5	U	ug/kg	1.5	-		ug/kg		-		ug/kg	
Chlordane	-		ug/kg		7	U	ug/kg	7	-		ug/kg		-		ug/kg	
Chlorobenzilate	-		ug/kg		24	U	ug/kg	24	-		ug/kg		-		ug/kg	
Diallate	-		ug/kg		48	U	ug/kg	48	-		ug/kg		-		ug/kg	
Toxaphene	-		ug/kg		39	U	ug/kg	39	-		ug/kg		-		ug/kg	
Isodrin	-		ug/kg		.95	U	ug/kg	.95	-		ug/kg		-		ug/kg	
Kepone	-		ug/kg		48	U	ug/kg	48	-		ug/kg		-		ug/kg	
Aroclor-1016	-		ug/kg		39	U	ug/kg	39	-		ug/kg		-		ug/kg	
Aroclor-1221	-		ug/kg		70	U	ug/kg	70	-		ug/kg		-		ug/kg	

US Naval Station, Mayport, Florida
Analytical Results for Background Sediment Samples

Lab Sample Number:	01538011			24081011			35168011			01529002		
Site	BACKGROUND			BACKGROUND			BACKGROUND			BACKGROUND		
Locator	MPTBSD4			MPTBSD4			MPTBSD4			MPTBSD5		
Collect Date:	17-FEB-93			17-FEB-93			17-FEB-93			18-FEB-93		
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Aroclor-1232	-		ug/kg		70	U	ug/kg	70	-		ug/kg		-		ug/kg	
Aroclor-1242	-		ug/kg		39	U	ug/kg	39	-		ug/kg		-		ug/kg	
Aroclor-1248	-		ug/kg		39	U	ug/kg	39	-		ug/kg		-		ug/kg	
Aroclor-1254	-		ug/kg		20	U	ug/kg	20	-		ug/kg		-		ug/kg	
Aroclor-1260	-		ug/kg		20	U	ug/kg	20	-		ug/kg		-		ug/kg	
INORGANICS (SOIL) mg/kg																
Antimony	-		mg/kg		-		mg/kg		-		mg/kg		6.1	U	mg/kg	6.1
Arsenic	-		mg/kg		-		mg/kg		-		mg/kg		1.3	J	mg/kg	
Barium	-		mg/kg		-		mg/kg		-		mg/kg		4.7	J	mg/kg	
Beryllium	-		mg/kg		-		mg/kg		-		mg/kg		.07	U	mg/kg	.07
Cadmium	-		mg/kg		-		mg/kg		-		mg/kg		.98	U	mg/kg	.98
Chromium	-		mg/kg		-		mg/kg		-		mg/kg		2.4	J	mg/kg	
Cobalt	-		mg/kg		-		mg/kg		-		mg/kg		.56	U	mg/kg	.56
Copper	-		mg/kg		-		mg/kg		-		mg/kg		5	J	mg/kg	
Cyanide	-		mg/kg		-		mg/kg		-		mg/kg		.19	U	mg/kg	.19
Lead	-		mg/kg		-		mg/kg		-		mg/kg		1.5	J	mg/kg	
Mercury	-		mg/kg		-		mg/kg		-		mg/kg		.24	U	mg/kg	.24
Nickel	-		mg/kg		-		mg/kg		-		mg/kg		3.1	U	mg/kg	3.1
Selenium	-		mg/kg		-		mg/kg		-		mg/kg		1.1	U	mg/kg	1.1
Silver	-		mg/kg		-		mg/kg		-		mg/kg		.6	U	mg/kg	.6
Thallium	-		mg/kg		-		mg/kg		-		mg/kg		.63	U	mg/kg	.63
Tin	-		mg/kg		-		mg/kg		-		mg/kg		12.3	J	mg/kg	
Vanadium	-		mg/kg		-		mg/kg		-		mg/kg		1.8	J	mg/kg	
Zinc	-		mg/kg		-		mg/kg		-		mg/kg		2.1	J	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.

US Naval Station, Mayport, Florida
Analytical Results for Background Sediment Samples

Lab Sample Number:		01537006			24099D06			35196006			01528009		
Site		BACKGROUND			BACKGROUND			BACKGROUND			BACKGROUND		
Locator		MPTBSD5			MPTBSD5			MPTBSD5			MPTBSD6		
Collect Date:		18-FEB-93			18-FEB-93			18-FEB-93			17-FEB-93		
		VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
VOLATILES	ug/kg												
Chloromethane		12 U	ug/kg	12	-	ug/kg		-	ug/kg		-	ug/kg	
Bromomethane		12 U	ug/kg	12	-	ug/kg		-	ug/kg		-	ug/kg	
Vinyl chloride		12 U	ug/kg	12	-	ug/kg		-	ug/kg		-	ug/kg	
Chloroethane		12 U	ug/kg	12	-	ug/kg		-	ug/kg		-	ug/kg	
Methylene chloride		6 U	ug/kg	6	-	ug/kg		-	ug/kg		-	ug/kg	
Acetone		12 U	ug/kg	12	-	ug/kg		-	ug/kg		-	ug/kg	
Carbon disulfide		6 U	ug/kg	6	-	ug/kg		-	ug/kg		-	ug/kg	
1,1-Dichloroethane		6 U	ug/kg	6	-	ug/kg		-	ug/kg		-	ug/kg	
1,1-Dichloroethene		6 U	ug/kg	6	-	ug/kg		-	ug/kg		-	ug/kg	
1,2-Dichloroethene (total)		6 U	ug/kg	6	-	ug/kg		-	ug/kg		-	ug/kg	
Chloroform		6 U	ug/kg	6	-	ug/kg		-	ug/kg		-	ug/kg	
1,2-Dichloroethane		6 U	ug/kg	6	-	ug/kg		-	ug/kg		-	ug/kg	
2-Butanone		12 U	ug/kg	12	-	ug/kg		-	ug/kg		-	ug/kg	
1,1,1-Trichloroethane		6 U	ug/kg	6	-	ug/kg		-	ug/kg		-	ug/kg	
Carbon tetrachloride		6 U	ug/kg	6	-	ug/kg		-	ug/kg		-	ug/kg	
Bromodichloromethane		6 U	ug/kg	6	-	ug/kg		-	ug/kg		-	ug/kg	
1,2-Dichloropropane		6 U	ug/kg	6	-	ug/kg		-	ug/kg		-	ug/kg	
cis-1,3-Dichloropropene		6 U	ug/kg	6	-	ug/kg		-	ug/kg		-	ug/kg	
Trichloroethene		6 U	ug/kg	6	-	ug/kg		-	ug/kg		-	ug/kg	
Dibromochloromethane		6 U	ug/kg	6	-	ug/kg		-	ug/kg		-	ug/kg	
1,1,2-Trichloroethane		6 U	ug/kg	6	-	ug/kg		-	ug/kg		-	ug/kg	
Benzene		6 U	ug/kg	6	-	ug/kg		-	ug/kg		-	ug/kg	
trans-1,3-Dichloropropene		6 U	ug/kg	6	-	ug/kg		-	ug/kg		-	ug/kg	
Bromoform		6 U	ug/kg	6	-	ug/kg		-	ug/kg		-	ug/kg	
4-Methyl-2-pentanone		12 U	ug/kg	12	-	ug/kg		-	ug/kg		-	ug/kg	
2-Hexanone		12 U	ug/kg	12	-	ug/kg		-	ug/kg		-	ug/kg	
Tetrachloroethene		6 U	ug/kg	6	-	ug/kg		-	ug/kg		-	ug/kg	
1,1,2,2-Tetrachloroethane		6 U	ug/kg	6	-	ug/kg		-	ug/kg		-	ug/kg	
Toluene		6 U	ug/kg	6	-	ug/kg		-	ug/kg		-	ug/kg	
Chlorobenzene		6 U	ug/kg	6	-	ug/kg		-	ug/kg		-	ug/kg	
Ethylbenzene		6 U	ug/kg	6	-	ug/kg		-	ug/kg		-	ug/kg	
Styrene		6 U	ug/kg	6	-	ug/kg		-	ug/kg		-	ug/kg	
Xylenes (total)		6 U	ug/kg	6	-	ug/kg		-	ug/kg		-	ug/kg	
Dichlorodifluoromethane		12 U	ug/kg	12	-	ug/kg		-	ug/kg		-	ug/kg	
Trichlorofluoromethane		6 U	ug/kg	6	-	ug/kg		-	ug/kg		-	ug/kg	
1,3-Dichlorobenzene		6 U	ug/kg	6	-	ug/kg		410 U	ug/kg	410	-	ug/kg	
Acrolein		120 U	ug/kg	120	-	ug/kg		-	ug/kg		-	ug/kg	
Iodomethane		12 U	ug/kg	12	-	ug/kg		-	ug/kg		-	ug/kg	
1,4-Dichlorobenzene		6 U	ug/kg	6	-	ug/kg		410 U	ug/kg	410	-	ug/kg	
Acrylonitrile		120 U	ug/kg	120	-	ug/kg		-	ug/kg		-	ug/kg	

US Naval Station, Mayport, Florida
Analytical Results for Background Sediment Samples

Lab Sample Number:		01537006				24099006				35196006				01528009			
Site		BACKGROUND				BACKGROUND				BACKGROUND				BACKGROUND			
Locator		MPTBSD5				MPTBSD5				MPTBSD5				MPTBSD6			
Collect Date:		18-FEB-93				18-FEB-93				18-FEB-93				17-FEB-93			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Dibromomethane		6	U	ug/kg	6	-		ug/kg		-		ug/kg		-		ug/kg	
1,2-Dichlorobenzene		6	U	ug/kg	6	-		ug/kg		410	U	ug/kg	410	-		ug/kg	
2-Chloroethylvinyl ether		12	U	ug/kg	12	-		ug/kg		-		ug/kg		-		ug/kg	
Ethyl methacrylate		6	U	ug/kg	6	-		ug/kg		-		ug/kg		-		ug/kg	
1,2,3-Trichloropropane		6	U	ug/kg	6	-		ug/kg		-		ug/kg		-		ug/kg	
trans-1,4-Dichloro-2-butene		6	U	ug/kg	6	-		ug/kg		-		ug/kg		-		ug/kg	
Isobutyl alcohol		1200	R	ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
1,1,1,2-Tetrachloroethane		6	U	ug/kg	6	-		ug/kg		-		ug/kg		-		ug/kg	
1,2-Dibromo-3-chloropropane		12	U	ug/kg	12	-		ug/kg		-		ug/kg		-		ug/kg	
Ethylene dibromide		6	U	ug/kg	6	-		ug/kg		-		ug/kg		-		ug/kg	
1,4-Dioxane		250	R	ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
3-Chloropropene		6	U	ug/kg	6	-		ug/kg		-		ug/kg		-		ug/kg	
Acetonitrile		120	U	ug/kg	120	-		ug/kg		-		ug/kg		-		ug/kg	
Chloroprene		250	R	ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Methacrylonitrile		6	U	ug/kg	6	-		ug/kg		-		ug/kg		-		ug/kg	
Methyl methacrylate		12	U	ug/kg	12	-		ug/kg		-		ug/kg		-		ug/kg	
Pentachloroethane		12	U	ug/kg	12	-		ug/kg		-		ug/kg		-		ug/kg	
Propionitrile		120	U	ug/kg	120	-		ug/kg		-		ug/kg		-		ug/kg	
Vinyl acetate		12	U	ug/kg	12	-		ug/kg		-		ug/kg		-		ug/kg	
SEMIVOLATILES	ug/kg																
N-Nitrosodimethylamine		-		ug/kg		-		ug/kg		410	U	ug/kg	410	-		ug/kg	
Phenol		-		ug/kg		-		ug/kg		410	U	ug/kg	410	-		ug/kg	
Aniline		-		ug/kg		-		ug/kg		410	U	ug/kg	410	-		ug/kg	
bis(2-Chloroethyl) ether		-		ug/kg		-		ug/kg		410	U	ug/kg	410	-		ug/kg	
Benzyl Alcohol		-		ug/kg		-		ug/kg		410	U	ug/kg	410	-		ug/kg	
2-Methylphenol		-		ug/kg		-		ug/kg		410	U	ug/kg	410	-		ug/kg	
bis(2-Chloroisopropyl) ether		-		ug/kg		-		ug/kg		410	U	ug/kg	410	-		ug/kg	
N-Nitroso-di-n-propylamine		-		ug/kg		-		ug/kg		410	U	ug/kg	410	-		ug/kg	
Hexachloroethane		-		ug/kg		-		ug/kg		410	U	ug/kg	410	-		ug/kg	
Nitrobenzene		-		ug/kg		-		ug/kg		410	U	ug/kg	410	-		ug/kg	
Isophorone		-		ug/kg		-		ug/kg		410	U	ug/kg	410	-		ug/kg	
2-Nitrophenol		-		ug/kg		-		ug/kg		410	U	ug/kg	410	-		ug/kg	
2,4-Dimethylphenol		-		ug/kg		-		ug/kg		410	U	ug/kg	410	-		ug/kg	
Benzoic acid		-		ug/kg		-		ug/kg		2000	U	ug/kg	2000	-		ug/kg	
bis(2-Chloroethoxy) methane		-		ug/kg		-		ug/kg		410	U	ug/kg	410	-		ug/kg	
2,4-Dichlorophenol		-		ug/kg		-		ug/kg		410	U	ug/kg	410	-		ug/kg	
1,2,4-Trichlorobenzene		-		ug/kg		-		ug/kg		410	U	ug/kg	410	-		ug/kg	
Naphthalene		-		ug/kg		-		ug/kg		410	U	ug/kg	410	-		ug/kg	
4-Chloroaniline		-		ug/kg		-		ug/kg		410	U	ug/kg	410	-		ug/kg	
Hexachlorobutadiene		-		ug/kg		-		ug/kg		410	U	ug/kg	410	-		ug/kg	
4-Chloro-3-methylphenol		-		ug/kg		-		ug/kg		410	U	ug/kg	410	-		ug/kg	
2-Methylnaphthalene		-		ug/kg		-		ug/kg		410	U	ug/kg	410	-		ug/kg	
Hexachlorocyclopentadiene		-		ug/kg		-		ug/kg		410	U	ug/kg	410	-		ug/kg	
2,4,6-Trichlorophenol		-		ug/kg		-		ug/kg		410	U	ug/kg	410	-		ug/kg	
Dimethylphthalate		-		ug/kg		-		ug/kg		410	U	ug/kg	410	-		ug/kg	
2,4,5-Trichlorophenol		-		ug/kg		-		ug/kg		2000	U	ug/kg	2000	-		ug/kg	
2-Chloronaphthalene		-		ug/kg		-		ug/kg		410	U	ug/kg	410	-		ug/kg	
2-Nitroaniline		-		ug/kg		-		ug/kg		2000	U	ug/kg	2000	-		ug/kg	
Acenaphthylene		-		ug/kg		-		ug/kg		410	U	ug/kg	410	-		ug/kg	
2,6-Dinitrotoluene		-		ug/kg		-		ug/kg		410	U	ug/kg	410	-		ug/kg	
3-Nitroaniline		-		ug/kg		-		ug/kg		2000	U	ug/kg	2000	-		ug/kg	

US Naval Station, Mayport, Florida
Analytical Results for Background Sediment Samples

Lab Sample Number:	01537006				24099006				35196006				01528009			
Site	BACKGROUND				BACKGROUND				BACKGROUND				BACKGROUND			
Locator	MPTBSD5				MPTBSD5				MPTBSD5				MPTBSD6			
Collect Date:	18-FEB-93				18-FEB-93				18-FEB-93				17-FEB-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Acenaphthene	-		ug/kg		-		ug/kg		410	U	ug/kg	410	-		ug/kg	
2,4-Dinitrophenol	-		ug/kg		-		ug/kg		2000	U	ug/kg	2000	-		ug/kg	
4-Nitrophenol	-		ug/kg		-		ug/kg		2000	U	ug/kg	2000	-		ug/kg	
Dibenzofuran	-		ug/kg		-		ug/kg		410	U	ug/kg	410	-		ug/kg	
2,4-Dinitrotoluene	-		ug/kg		-		ug/kg		410	U	ug/kg	410	-		ug/kg	
Diethylphthalate	-		ug/kg		-		ug/kg		410	U	ug/kg	410	-		ug/kg	
4-Chlorophenyl-phenylether	-		ug/kg		-		ug/kg		410	U	ug/kg	410	-		ug/kg	
Fluorene	-		ug/kg		-		ug/kg		410	U	ug/kg	410	-		ug/kg	
4-Nitroaniline	-		ug/kg		-		ug/kg		2000	U	ug/kg	2000	-		ug/kg	
4,6-Dinitro-2-methylphenol	-		ug/kg		-		ug/kg		2000	U	ug/kg	2000	-		ug/kg	
N-Nitrosodiphenylamine	-		ug/kg		-		ug/kg		410	U	ug/kg	410	-		ug/kg	
1,2-Diphenylhydrazine	-		ug/kg		-		ug/kg		410	U	ug/kg	410	-		ug/kg	
4-Bromophenyl-phenylether	-		ug/kg		-		ug/kg		410	U	ug/kg	410	-		ug/kg	
Hexachlorobenzene	-		ug/kg		-		ug/kg		410	U	ug/kg	410	-		ug/kg	
Pentachlorophenol	-		ug/kg		-		ug/kg		2000	U	ug/kg	2000	-		ug/kg	
Phenanthrene	-		ug/kg		-		ug/kg		410	U	ug/kg	410	-		ug/kg	
Anthracene	-		ug/kg		-		ug/kg		410	U	ug/kg	410	-		ug/kg	
Di-n-Butylphthalate	-		ug/kg		-		ug/kg		410	U	ug/kg	410	-		ug/kg	
Fluoranthene	-		ug/kg		-		ug/kg		410	U	ug/kg	410	-		ug/kg	
Pyrene	-		ug/kg		-		ug/kg		410	U	ug/kg	410	-		ug/kg	
Butylbenzylphthalate	-		ug/kg		-		ug/kg		410	U	ug/kg	410	-		ug/kg	
3,3-Dichlorobenzidine	-		ug/kg		-		ug/kg		820	U	ug/kg	820	-		ug/kg	
Benzo (a) anthracene	-		ug/kg		-		ug/kg		410	U	ug/kg	410	-		ug/kg	
Chrysene	-		ug/kg		-		ug/kg		410	U	ug/kg	410	-		ug/kg	
bis(2-Ethylhexyl) phthalate	-		ug/kg		-		ug/kg		45	U	ug/kg	45	-		ug/kg	
Di-n-octylphthalate	-		ug/kg		-		ug/kg		410	U	ug/kg	410	-		ug/kg	
Benzo (b) fluoranthene	-		ug/kg		-		ug/kg		410	U	ug/kg	410	-		ug/kg	
Benzo (k) fluoranthene	-		ug/kg		-		ug/kg		410	U	ug/kg	410	-		ug/kg	
Benzo (a) pyrene	-		ug/kg		-		ug/kg		410	U	ug/kg	410	-		ug/kg	
Indeno (1,2,3-cd) pyrene	-		ug/kg		-		ug/kg		410	U	ug/kg	410	-		ug/kg	
Dibenzo (a,h) anthracene	-		ug/kg		-		ug/kg		410	U	ug/kg	410	-		ug/kg	
Benzo (g,h,i) perylene	-		ug/kg		-		ug/kg		410	U	ug/kg	410	-		ug/kg	
2-Picoline	-		ug/kg		-		ug/kg		2000	U	ug/kg	2000	-		ug/kg	
Methyl methanesulfonate	-		ug/kg		-		ug/kg		410	U	ug/kg	410	-		ug/kg	
Ethyl methanesulfonate	-		ug/kg		-		ug/kg		410	U	ug/kg	410	-		ug/kg	
Acetophenone	-		ug/kg		-		ug/kg		410	U	ug/kg	410	-		ug/kg	
N-Nitrosopiperidine	-		ug/kg		-		ug/kg		410	UJ	ug/kg		-		ug/kg	
Phenyl-tert-butylamine	-		ug/kg		-		ug/kg		2000	U	ug/kg	2000	-		ug/kg	
2,6-Dichlorophenol	-		ug/kg		-		ug/kg		410	U	ug/kg	410	-		ug/kg	
N-Nitroso-di-n-butylamine	-		ug/kg		-		ug/kg		410	U	ug/kg	410	-		ug/kg	
N-Nitrosodiethylamine	-		ug/kg		-		ug/kg		410	U	ug/kg	410	-		ug/kg	
N-Nitrosopyrrolidine	-		ug/kg		-		ug/kg		410	U	ug/kg	410	-		ug/kg	
Benzidine	-		ug/kg		-		ug/kg		2000	U	ug/kg	2000	-		ug/kg	
1,2,4,5-Tetrachlorobenzene	-		ug/kg		-		ug/kg		2000	U	ug/kg	2000	-		ug/kg	
Pentachlorobenzene	-		ug/kg		-		ug/kg		2000	U	ug/kg	2000	-		ug/kg	
1-Naphthylamine	-		ug/kg		-		ug/kg		2000	U	ug/kg	2000	-		ug/kg	
2-Naphthylamine	-		ug/kg		-		ug/kg		2000	U	ug/kg	2000	-		ug/kg	
2,3,4,6-Tetrachlorophenol	-		ug/kg		-		ug/kg		410	U	ug/kg	410	-		ug/kg	
Phenacetin	-		ug/kg		-		ug/kg		410	U	ug/kg	410	-		ug/kg	
4-Aminobiphenyl	-		ug/kg		-		ug/kg		2000	U	ug/kg	2000	-		ug/kg	
Pentachloronitrobenzene	-		ug/kg		-		ug/kg		2000	U	ug/kg	2000	-		ug/kg	
Pronamide	-		ug/kg		-		ug/kg		410	U	ug/kg	410	-		ug/kg	

US Naval Station, Mayport, Florida
Analytical Results for Background Sediment Samples

Lab Sample Number:	01537006				24099006				35196006				01528009			
Site	BACKGROUND				BACKGROUND				BACKGROUND				BACKGROUND			
Locator	MPTBSD5				MPTBSD5				MPTBSD5				MPTBSD6			
Collect Date:	18-FEB-93				18-FEB-93				18-FEB-93				17-FEB-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
p-Dimethylaminoazobenzene	-		ug/kg		-		ug/kg		410	U	ug/kg	410	-		ug/kg	
7,12-Dimethylbenz(A)Anthracene	-		ug/kg		-		ug/kg		410	U	ug/kg	410	-		ug/kg	
3-Methylcholanthrene	-		ug/kg		-		ug/kg		410	U	ug/kg	410	-		ug/kg	
Pyridine	-		ug/kg		-		ug/kg		2000	U	ug/kg	2000	-		ug/kg	
N-Nitrosomethylethylamine	-		ug/kg		-		ug/kg		410	U	ug/kg	410	-		ug/kg	
N-Nitrosomorpholine	-		ug/kg		-		ug/kg		410	U	ug/kg	410	-		ug/kg	
o-Toluidine	-		ug/kg		-		ug/kg		410	U	ug/kg	410	-		ug/kg	
Hexachloropropene	-		ug/kg		-		ug/kg		2000	U	ug/kg	2000	-		ug/kg	
p-Phenylenediamine	-		ug/kg		-		ug/kg		20000	U	ug/kg	20000	-		ug/kg	
Safrole	-		ug/kg		-		ug/kg		2000	U	ug/kg	2000	-		ug/kg	
Isosafrole	-		ug/kg		-		ug/kg		2000	U	ug/kg	2000	-		ug/kg	
1,4-Naphthoquinone	-		ug/kg		-		ug/kg		41000	U	ug/kg	41000	-		ug/kg	
1,3-Dinitrobenzene	-		ug/kg		-		ug/kg		410	U	ug/kg	410	-		ug/kg	
5-Nitro-o-toluidine	-		ug/kg		-		ug/kg		410	U	ug/kg	410	-		ug/kg	
1,3,5-Trinitrobenzene	-		ug/kg		-		ug/kg		410	U	ug/kg	410	-		ug/kg	
4-Nitroquinoline-1-oxide	-		ug/kg		-		ug/kg		20000	U	ug/kg	20000	-		ug/kg	
Methapyrilene	-		ug/kg		-		ug/kg		2000	U	ug/kg	2000	-		ug/kg	
3,3-Dimethylbenzidine	-		ug/kg		-		ug/kg		410	U	ug/kg	410	-		ug/kg	
Hexachlorophene	-		ug/kg		-		ug/kg		20000	UJ	ug/kg		-		ug/kg	
Aramite	-		ug/kg		-		ug/kg		2000	R	ug/kg		-		ug/kg	
2-Chlorophenol	-		ug/kg		-		ug/kg		410	U	ug/kg	410	-		ug/kg	
3- & 4-Methylphenol (2)	-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Hexachloropropene	-		ug/kg		-		ug/kg		2000	U	ug/kg	2000	-		ug/kg	
2-Acetylaminofluorene	-		ug/kg		-		ug/kg		410	U	ug/kg	410	-		ug/kg	
PESTICIDES/PCBs ug/kg																
alpha-BHC	-		ug/kg		.82	U	ug/kg	.82	-		ug/kg		-		ug/kg	
beta-BHC	-		ug/kg		1.6	U	ug/kg	1.6	-		ug/kg		-		ug/kg	
delta-BHC	-		ug/kg		.82	U	ug/kg	.82	-		ug/kg		-		ug/kg	
gamma-BHC (Lindane)	-		ug/kg		.82	U	ug/kg	.82	-		ug/kg		-		ug/kg	
Heptachlor	-		ug/kg		.82	U	ug/kg	.82	-		ug/kg		-		ug/kg	
Aldrin	-		ug/kg		.82	U	ug/kg	.82	-		ug/kg		-		ug/kg	
Heptachlor epoxide	-		ug/kg		.82	U	ug/kg	.82	-		ug/kg		-		ug/kg	
Endosulfan I	-		ug/kg		.82	U	ug/kg	.82	-		ug/kg		-		ug/kg	
Dieldrin	-		ug/kg		.82	U	ug/kg	.82	-		ug/kg		-		ug/kg	
4,4-DDE	-		ug/kg		.82	U	ug/kg	.82	-		ug/kg		-		ug/kg	
Endrin	-		ug/kg		1.6	U	ug/kg	1.6	-		ug/kg		-		ug/kg	
Endosulfan II	-		ug/kg		1.6	U	ug/kg	1.6	-		ug/kg		-		ug/kg	
4,4-DDD	-		ug/kg		1.6	U	ug/kg	1.6	-		ug/kg		-		ug/kg	
Endosulfan sulfate	-		ug/kg		1.6	U	ug/kg	1.6	-		ug/kg		-		ug/kg	
4,4-DDT	-		ug/kg		1.6	U	ug/kg	1.6	-		ug/kg		-		ug/kg	
Methoxychlor	-		ug/kg		3.3	U	ug/kg	3.3	-		ug/kg		-		ug/kg	
Endrin aldehyde	-		ug/kg		1.6	U	ug/kg	1.6	-		ug/kg		-		ug/kg	
Endrin ketone	-		ug/kg		1.6	U	ug/kg	1.6	-		ug/kg		-		ug/kg	
Chlordane	-		ug/kg		8.2	U	ug/kg	8.2	-		ug/kg		-		ug/kg	
Chlorobenzilate	-		ug/kg		24	U	ug/kg	24	-		ug/kg		-		ug/kg	
Diallate	-		ug/kg		49	U	ug/kg	49	-		ug/kg		-		ug/kg	
Toxaphene	-		ug/kg		40	U	ug/kg	40	-		ug/kg		-		ug/kg	
Isodrin	-		ug/kg		.98	U	ug/kg	.98	-		ug/kg		-		ug/kg	
Kepone	-		ug/kg		49	U	ug/kg	49	-		ug/kg		-		ug/kg	
Aroclor-1016	-		ug/kg		40	U	ug/kg	40	-		ug/kg		-		ug/kg	
Aroclor-1221	-		ug/kg		82	U	ug/kg	82	-		ug/kg		-		ug/kg	

US Naval Station, Mayport, Florida
Analytical Results for Background Sediment Samples

Lab Sample Number:	01537006				24099006				35196006				01528009			
Site	BACKGROUND				BACKGROUND				BACKGROUND				BACKGROUND			
Locator	MPTBSD5				MPTBSD5				MPTBSD5				MPTBSD6			
Collect Date:	18-FEB-93				18-FEB-93				18-FEB-93				17-FEB-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Aroclor-1232	-		ug/kg		82	U	ug/kg	82	-		ug/kg		-		ug/kg	
Aroclor-1242	-		ug/kg		40	U	ug/kg	40	-		ug/kg		-		ug/kg	
Aroclor-1248	-		ug/kg		40	U	ug/kg	40	-		ug/kg		-		ug/kg	
Aroclor-1254	-		ug/kg		21	U	ug/kg	21	-		ug/kg		-		ug/kg	
Aroclor-1260	-		ug/kg		21	U	ug/kg	21	-		ug/kg		-		ug/kg	
INORGANICS (SOIL) mg/kg																
Antimony	-		mg/kg		-		mg/kg		-		mg/kg		7.2	U	mg/kg	7.2
Arsenic	-		mg/kg		-		mg/kg		-		mg/kg		.02	U	mg/kg	.02
Barium	-		mg/kg		-		mg/kg		-		mg/kg		4.4	J	mg/kg	
Beryllium	-		mg/kg		-		mg/kg		-		mg/kg		.08	U	mg/kg	.08
Cadmium	-		mg/kg		-		mg/kg		-		mg/kg		1.2	U	mg/kg	1.2
Chromium	-		mg/kg		-		mg/kg		-		mg/kg		3.1		mg/kg	
Cobalt	-		mg/kg		-		mg/kg		-		mg/kg		.66	U	mg/kg	.66
Copper	-		mg/kg		-		mg/kg		-		mg/kg		2.6	J	mg/kg	
Cyanide	-		mg/kg		-		mg/kg		-		mg/kg		.22	U	mg/kg	.22
Lead	-		mg/kg		-		mg/kg		-		mg/kg		.2	U	mg/kg	.2
Mercury	-		mg/kg		-		mg/kg		-		mg/kg		.24	J	mg/kg	
Nickel	-		mg/kg		-		mg/kg		-		mg/kg		3.6	U	mg/kg	3.6
Selenium	-		mg/kg		-		mg/kg		-		mg/kg		.81	J	mg/kg	
Silver	-		mg/kg		-		mg/kg		-		mg/kg		.71	U	mg/kg	.71
Thallium	-		mg/kg		-		mg/kg		-		mg/kg		.74	UJ	mg/kg	
Tin	-		mg/kg		-		mg/kg		-		mg/kg		10.2	U	mg/kg	10.2
Vanadium	-		mg/kg		-		mg/kg		-		mg/kg		3.3	J	mg/kg	
Zinc	-		mg/kg		-		mg/kg		-		mg/kg		11.6	J	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.

US Naval Station, Mayport, Florida
Analytical Results for Background Sediment Samples

Lab Sample Number:		01538010			24081010			35168010			01528007		
Site		BACKGROUND			BACKGROUND			BACKGROUND			BACKGROUND		
Locator		MPTBSD6			MPTBSD6			MPTBSD6			MPTBSD7		
Collect Date:		17-FEB-93			17-FEB-93			17-FEB-93			17-FEB-93		
		VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
VOLATILES	ug/kg												
Chloromethane		14 U	ug/kg	14	-	ug/kg		-	ug/kg		-	ug/kg	
Bromomethane		14 U	ug/kg	14	-	ug/kg		-	ug/kg		-	ug/kg	
Vinyl chloride		14 U	ug/kg	14	-	ug/kg		-	ug/kg		-	ug/kg	
Chloroethane		14 U	ug/kg	14	-	ug/kg		-	ug/kg		-	ug/kg	
Methylene chloride		7 U	ug/kg	7	-	ug/kg		-	ug/kg		-	ug/kg	
Acetone		14 U	ug/kg	14	-	ug/kg		-	ug/kg		-	ug/kg	
Carbon disulfide		7 U	ug/kg	7	-	ug/kg		-	ug/kg		-	ug/kg	
1,1-Dichloroethane		7 U	ug/kg	7	-	ug/kg		-	ug/kg		-	ug/kg	
1,1-Dichloroethene		7 U	ug/kg	7	-	ug/kg		-	ug/kg		-	ug/kg	
1,2-Dichloroethene (total)		7 U	ug/kg	7	-	ug/kg		-	ug/kg		-	ug/kg	
Chloroform		7 U	ug/kg	7	-	ug/kg		-	ug/kg		-	ug/kg	
1,2-Dichloroethane		7 U	ug/kg	7	-	ug/kg		-	ug/kg		-	ug/kg	
2-Butanone		14 U	ug/kg	14	-	ug/kg		-	ug/kg		-	ug/kg	
1,1,1-Trichloroethane		7 U	ug/kg	7	-	ug/kg		-	ug/kg		-	ug/kg	
Carbon tetrachloride		7 U	ug/kg	7	-	ug/kg		-	ug/kg		-	ug/kg	
Bromodichloromethane		7 U	ug/kg	7	-	ug/kg		-	ug/kg		-	ug/kg	
1,2-Dichloropropane		7 U	ug/kg	7	-	ug/kg		-	ug/kg		-	ug/kg	
cis-1,3-Dichloropropene		7 U	ug/kg	7	-	ug/kg		-	ug/kg		-	ug/kg	
Trichloroethene		7 U	ug/kg	7	-	ug/kg		-	ug/kg		-	ug/kg	
Dibromochloromethane		7 U	ug/kg	7	-	ug/kg		-	ug/kg		-	ug/kg	
1,1,2-Trichloroethane		7 U	ug/kg	7	-	ug/kg		-	ug/kg		-	ug/kg	
Benzene		7 U	ug/kg	7	-	ug/kg		-	ug/kg		-	ug/kg	
trans-1,3-Dichloropropene		7 U	ug/kg	7	-	ug/kg		-	ug/kg		-	ug/kg	
Bromoform		7 U	ug/kg	7	-	ug/kg		-	ug/kg		-	ug/kg	
4-Methyl-2-pentanone		14 U	ug/kg	14	-	ug/kg		-	ug/kg		-	ug/kg	
2-Hexanone		14 U	ug/kg	14	-	ug/kg		-	ug/kg		-	ug/kg	
Tetrachloroethene		7 U	ug/kg	7	-	ug/kg		-	ug/kg		-	ug/kg	
1,1,2,2-Tetrachloroethane		7 U	ug/kg	7	-	ug/kg		-	ug/kg		-	ug/kg	
Toluene		7 U	ug/kg	7	-	ug/kg		-	ug/kg		-	ug/kg	
Chlorobenzene		7 U	ug/kg	7	-	ug/kg		-	ug/kg		-	ug/kg	
Ethylbenzene		7 U	ug/kg	7	-	ug/kg		-	ug/kg		-	ug/kg	
Styrene		7 U	ug/kg	7	-	ug/kg		-	ug/kg		-	ug/kg	
Xylenes (total)		7 U	ug/kg	7	-	ug/kg		-	ug/kg		-	ug/kg	
Dichlorodifluoromethane		14 U	ug/kg	14	-	ug/kg		-	ug/kg		-	ug/kg	
Trichlorofluoromethane		7 U	ug/kg	7	-	ug/kg		-	ug/kg		-	ug/kg	
1,3-Dichlorobenzene		7 U	ug/kg	7	-	ug/kg		960 U	ug/kg	960	-	ug/kg	
Acrolein		140 U	ug/kg	140	-	ug/kg		-	ug/kg		-	ug/kg	
Iodomethane		14 U	ug/kg	14	-	ug/kg		-	ug/kg		-	ug/kg	
1,4-Dichlorobenzene		7 U	ug/kg	7	-	ug/kg		960 U	ug/kg	960	-	ug/kg	
Acrylonitrile		140 U	ug/kg	140	-	ug/kg		-	ug/kg		-	ug/kg	

US Naval Station, Mayport, Florida
Analytical Results for Background Sediment Samples

Lab Sample Number:		01538010				24081010				35168010				01528007		
Site		BACKGROUND				BACKGROUND				BACKGROUND				BACKGROUND		
Locator		MPTBSD6				MPTBSD6				MPTBSD6				MPTBSD7		
Collect Date:		17-FEB-93				17-FEB-93				17-FEB-93				17-FEB-93		
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Dibromomethane		7	U	ug/kg	7	-		ug/kg		-		ug/kg		-		ug/kg	
1,2-Dichlorobenzene		7	U	ug/kg	7	-		ug/kg		960	U	ug/kg	960	-		ug/kg	
2-Chloroethylvinyl ether		14	U	ug/kg	14	-		ug/kg		-		ug/kg		-		ug/kg	
Ethyl methacrylate		7	U	ug/kg	7	-		ug/kg		-		ug/kg		-		ug/kg	
1,2,3-Trichloropropane		7	U	ug/kg	7	-		ug/kg		-		ug/kg		-		ug/kg	
trans-1,4-Dichloro-2-butene		7	U	ug/kg	7	-		ug/kg		-		ug/kg		-		ug/kg	
Isobutyl alcohol		1400	R	ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
1,1,1,2-Tetrachloroethane		7	U	ug/kg	7	-		ug/kg		-		ug/kg		-		ug/kg	
1,2-Dibromo-3-chloropropane		14	U	ug/kg	14	-		ug/kg		-		ug/kg		-		ug/kg	
Ethylene dibromide		7	U	ug/kg	7	-		ug/kg		-		ug/kg		-		ug/kg	
1,4-Dioxane		270	R	ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
3-Chloropropene		7	U	ug/kg	7	-		ug/kg		-		ug/kg		-		ug/kg	
Acetonitrile		140	U	ug/kg	140	-		ug/kg		-		ug/kg		-		ug/kg	
Chloroprene		270	R	ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Methacrylonitrile		7	U	ug/kg	7	-		ug/kg		-		ug/kg		-		ug/kg	
Methyl methacrylate		14	U	ug/kg	14	-		ug/kg		-		ug/kg		-		ug/kg	
Pentachloroethane		14	U	ug/kg	14	-		ug/kg		-		ug/kg		-		ug/kg	
Propionitrile		140	U	ug/kg	140	-		ug/kg		-		ug/kg		-		ug/kg	
Vinyl acetate		14	U	ug/kg	14	-		ug/kg		-		ug/kg		-		ug/kg	
SEMIVOLATILES	ug/kg																
N-Nitrosodimethylamine		-		ug/kg		-		ug/kg		960	U	ug/kg	960	-		ug/kg	
Phenol		-		ug/kg		-		ug/kg		960	U	ug/kg	960	-		ug/kg	
Aniline		-		ug/kg		-		ug/kg		960	U	ug/kg	960	-		ug/kg	
bis(2-Chloroethyl) ether		-		ug/kg		-		ug/kg		960	U	ug/kg	960	-		ug/kg	
Benzyl Alcohol		-		ug/kg		-		ug/kg		960	U	ug/kg	960	-		ug/kg	
2-Methylphenol		-		ug/kg		-		ug/kg		960	U	ug/kg	960	-		ug/kg	
bis(2-Chloroisopropyl) ether		-		ug/kg		-		ug/kg		960	U	ug/kg	960	-		ug/kg	
N-Nitroso-di-n-propylamine		-		ug/kg		-		ug/kg		960	U	ug/kg	960	-		ug/kg	
Hexachloroethane		-		ug/kg		-		ug/kg		960	U	ug/kg	960	-		ug/kg	
Nitrobenzene		-		ug/kg		-		ug/kg		960	U	ug/kg	960	-		ug/kg	
Isophorone		-		ug/kg		-		ug/kg		960	U	ug/kg	960	-		ug/kg	
2-Nitrophenol		-		ug/kg		-		ug/kg		960	U	ug/kg	960	-		ug/kg	
2,4-Dimethylphenol		-		ug/kg		-		ug/kg		960	U	ug/kg	960	-		ug/kg	
Benzoic acid		-		ug/kg		-		ug/kg		4600	U	ug/kg	4600	-		ug/kg	
bis(2-Chloroethoxy) methane		-		ug/kg		-		ug/kg		960	U	ug/kg	960	-		ug/kg	
2,4-Dichlorophenol		-		ug/kg		-		ug/kg		960	U	ug/kg	960	-		ug/kg	
1,2,4-Trichlorobenzene		-		ug/kg		-		ug/kg		960	U	ug/kg	960	-		ug/kg	
Naphthalene		-		ug/kg		-		ug/kg		960	U	ug/kg	960	-		ug/kg	
4-Chloroaniline		-		ug/kg		-		ug/kg		960	U	ug/kg	960	-		ug/kg	
Hexachlorobutadiene		-		ug/kg		-		ug/kg		960	U	ug/kg	960	-		ug/kg	
4-Chloro-3-methylphenol		-		ug/kg		-		ug/kg		960	U	ug/kg	960	-		ug/kg	
2-Methylnaphthalene		-		ug/kg		-		ug/kg		960	U	ug/kg	960	-		ug/kg	
Hexachlorocyclopentadiene		-		ug/kg		-		ug/kg		960	U	ug/kg	960	-		ug/kg	
2,4,6-Trichlorophenol		-		ug/kg		-		ug/kg		960	U	ug/kg	960	-		ug/kg	
Dimethylphthalate		-		ug/kg		-		ug/kg		960	U	ug/kg	960	-		ug/kg	
2,4,5-Trichlorophenol		-		ug/kg		-		ug/kg		4600	U	ug/kg	4600	-		ug/kg	
2-Chloronaphthalene		-		ug/kg		-		ug/kg		960	U	ug/kg	960	-		ug/kg	
2-Nitroaniline		-		ug/kg		-		ug/kg		4600	U	ug/kg	4600	-		ug/kg	
Acenaphthylene		-		ug/kg		-		ug/kg		960	U	ug/kg	960	-		ug/kg	
2,6-Dinitrotoluene		-		ug/kg		-		ug/kg		960	U	ug/kg	960	-		ug/kg	
3-Nitroaniline		-		ug/kg		-		ug/kg		4600	U	ug/kg	4600	-		ug/kg	

US Naval Station, Mayport, Florida
Analytical Results for Background Sediment Samples

Lab Sample Number:	01538010				24081010				35168010				01528007			
Site	BACKGROUND				BACKGROUND				BACKGROUND				BACKGROUND			
Locator	MPTBSD6				MPTBSD6				MPTBSD6				MPTBSD7			
Collect Date:	17-FEB-93				17-FEB-93				17-FEB-93				17-FEB-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Acenaphthene	-		ug/kg		-		ug/kg		960	U	ug/kg	960	-		ug/kg	
2,4-Dinitrophenol	-		ug/kg		-		ug/kg		4600	U	ug/kg	4600	-		ug/kg	
4-Nitrophenol	-		ug/kg		-		ug/kg		4600	U	ug/kg	4600	-		ug/kg	
Dibenzofuran	-		ug/kg		-		ug/kg		960	U	ug/kg	960	-		ug/kg	
2,4-Dinitrotoluene	-		ug/kg		-		ug/kg		960	U	ug/kg	960	-		ug/kg	
Diethylphthalate	-		ug/kg		-		ug/kg		960	U	ug/kg	960	-		ug/kg	
4-Chlorophenyl-phenylether	-		ug/kg		-		ug/kg		960	U	ug/kg	960	-		ug/kg	
Fluorene	-		ug/kg		-		ug/kg		960	U	ug/kg	960	-		ug/kg	
4-Nitroaniline	-		ug/kg		-		ug/kg		4600	U	ug/kg	4600	-		ug/kg	
4,6-Dinitro-2-methylphenol	-		ug/kg		-		ug/kg		4600	U	ug/kg	4600	-		ug/kg	
N-Nitrosodiphenylamine	-		ug/kg		-		ug/kg		960	U	ug/kg	960	-		ug/kg	
1,2-Diphenylhydrazine	-		ug/kg		-		ug/kg		960	U	ug/kg	960	-		ug/kg	
4-Bromophenyl-phenylether	-		ug/kg		-		ug/kg		960	U	ug/kg	960	-		ug/kg	
Hexachlorobenzene	-		ug/kg		-		ug/kg		960	U	ug/kg	960	-		ug/kg	
Pentachlorophenol	-		ug/kg		-		ug/kg		4600	U	ug/kg	4600	-		ug/kg	
Phenanthrene	-		ug/kg		-		ug/kg		960	U	ug/kg	960	-		ug/kg	
Anthracene	-		ug/kg		-		ug/kg		960	U	ug/kg	960	-		ug/kg	
Di-n-Butylphthalate	-		ug/kg		-		ug/kg		960	U	ug/kg	960	-		ug/kg	
Fluoranthene	-		ug/kg		-		ug/kg		960	U	ug/kg	960	-		ug/kg	
Pyrene	-		ug/kg		-		ug/kg		960	U	ug/kg	960	-		ug/kg	
Butylbenzylphthalate	-		ug/kg		-		ug/kg		960	U	ug/kg	960	-		ug/kg	
3,3-Dichlorobenzidine	-		ug/kg		-		ug/kg		1900	U	ug/kg	1900	-		ug/kg	
Benzo (a) anthracene	-		ug/kg		-		ug/kg		960	U	ug/kg	960	-		ug/kg	
Chrysene	-		ug/kg		-		ug/kg		960	U	ug/kg	960	-		ug/kg	
bis(2-Ethylhexyl) phthalate	-		ug/kg		-		ug/kg		960	U	ug/kg	960	-		ug/kg	
Di-n-octylphthalate	-		ug/kg		-		ug/kg		960	U	ug/kg	960	-		ug/kg	
Benzo (b) fluoranthene	-		ug/kg		-		ug/kg		960	U	ug/kg	960	-		ug/kg	
Benzo (k) fluoranthene	-		ug/kg		-		ug/kg		960	U	ug/kg	960	-		ug/kg	
Benzo (a) pyrene	-		ug/kg		-		ug/kg		960	U	ug/kg	960	-		ug/kg	
Indeno (1,2,3-cd) pyrene	-		ug/kg		-		ug/kg		960	U	ug/kg	960	-		ug/kg	
Dibenzo (a,h) anthracene	-		ug/kg		-		ug/kg		960	U	ug/kg	960	-		ug/kg	
Benzo (g,h,i) perylene	-		ug/kg		-		ug/kg		960	U	ug/kg	960	-		ug/kg	
2-Picoline	-		ug/kg		-		ug/kg		4600	U	ug/kg	4600	-		ug/kg	
Methyl methanesulfonate	-		ug/kg		-		ug/kg		960	U	ug/kg	960	-		ug/kg	
Ethyl methanesulfonate	-		ug/kg		-		ug/kg		960	U	ug/kg	960	-		ug/kg	
Acetophenone	-		ug/kg		-		ug/kg		960	U	ug/kg	960	-		ug/kg	
N-Nitrosopiperidine	-		ug/kg		-		ug/kg		960	UJ	ug/kg		-		ug/kg	
Phenyl-tert-butylamine	-		ug/kg		-		ug/kg		4600	U	ug/kg	4600	-		ug/kg	
2,6-Dichlorophenol	-		ug/kg		-		ug/kg		960	U	ug/kg	960	-		ug/kg	
N-Nitroso-di-n-butylamine	-		ug/kg		-		ug/kg		960	U	ug/kg	960	-		ug/kg	
N-Nitrosodiethylamine	-		ug/kg		-		ug/kg		960	U	ug/kg	960	-		ug/kg	
N-Nitrosopyrrolidine	-		ug/kg		-		ug/kg		960	U	ug/kg	960	-		ug/kg	
Benzidine	-		ug/kg		-		ug/kg		4600	U	ug/kg	4600	-		ug/kg	
1,2,4,5-Tetrachlorobenzene	-		ug/kg		-		ug/kg		4600	U	ug/kg	4600	-		ug/kg	
Pentachlorobenzene	-		ug/kg		-		ug/kg		4600	U	ug/kg	4600	-		ug/kg	
1-Naphthylamine	-		ug/kg		-		ug/kg		4600	U	ug/kg	4600	-		ug/kg	
2-Naphthylamine	-		ug/kg		-		ug/kg		4600	U	ug/kg	4600	-		ug/kg	
2,3,4,6-Tetrachlorophenol	-		ug/kg		-		ug/kg		960	U	ug/kg	960	-		ug/kg	
Phenacetin	-		ug/kg		-		ug/kg		960	U	ug/kg	960	-		ug/kg	
4-Aminobiphenyl	-		ug/kg		-		ug/kg		4600	U	ug/kg	4600	-		ug/kg	
Pentachloronitrobenzene	-		ug/kg		-		ug/kg		4600	U	ug/kg	4600	-		ug/kg	
Pronamide	-		ug/kg		-		ug/kg		960	U	ug/kg	960	-		ug/kg	

US Naval Station, Mayport, Florida
Analytical Results for Background Sediment Samples

Lab Sample Number:	01538010				24081010				35168010				01528007			
Site	BACKGROUND				BACKGROUND				BACKGROUND				BACKGROUND			
Locator	MPTBSD6				MPTBSD6				MPTBSD6				MPTBSD7			
Collect Date:	17-FEB-93				17-FEB-93				17-FEB-93				17-FEB-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
p-Dimethylaminoazobenzene	-		ug/kg		-		ug/kg		960	U	ug/kg	960	-		ug/kg	
7,12-Dimethylbenz(A)Anthracene	-		ug/kg		-		ug/kg		960	UJ	ug/kg		-		ug/kg	
3-Methylcholanthrene	-		ug/kg		-		ug/kg		960	UJ	ug/kg		-		ug/kg	
Pyridine	-		ug/kg		-		ug/kg		4600	U	ug/kg	4600	-		ug/kg	
N-Nitrosomethylethylamine	-		ug/kg		-		ug/kg		960	U	ug/kg	960	-		ug/kg	
N-Nitrosomorpholine	-		ug/kg		-		ug/kg		960	U	ug/kg	960	-		ug/kg	
o-Toluidine	-		ug/kg		-		ug/kg		960	U	ug/kg	960	-		ug/kg	
Hexachloropropene	-		ug/kg		-		ug/kg		4600	U	ug/kg	4600	-		ug/kg	
p-Phenylenediamine	-		ug/kg		-		ug/kg		46000	U	ug/kg	46000	-		ug/kg	
Safrole	-		ug/kg		-		ug/kg		4600	U	ug/kg	4600	-		ug/kg	
Isosafrole	-		ug/kg		-		ug/kg		4600	U	ug/kg	4600	-		ug/kg	
1,4-Naphthoquinone	-		ug/kg		-		ug/kg		96000	U	ug/kg	96000	-		ug/kg	
1,3-Dinitrobenzene	-		ug/kg		-		ug/kg		960	U	ug/kg	960	-		ug/kg	
5-Nitro-o-toluidine	-		ug/kg		-		ug/kg		960	U	ug/kg	960	-		ug/kg	
1,3,5-Trinitrobenzene	-		ug/kg		-		ug/kg		960	UJ	ug/kg		-		ug/kg	
4-Nitroquinoline-1-oxide	-		ug/kg		-		ug/kg		46000	U	ug/kg	46000	-		ug/kg	
Methapyrilene	-		ug/kg		-		ug/kg		4600	U	ug/kg	4600	-		ug/kg	
3,3-Dimethylbenzidine	-		ug/kg		-		ug/kg		960	U	ug/kg	960	-		ug/kg	
Hexachlorophene	-		ug/kg		-		ug/kg		46000	U	ug/kg	46000	-		ug/kg	
Aramite	-		ug/kg		-		ug/kg		4600	R	ug/kg		-		ug/kg	
2-Chlorophenol	-		ug/kg		-		ug/kg		960	U	ug/kg	960	-		ug/kg	
3- & 4-Methylphenol (2)	-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Hexachloropropene	-		ug/kg		-		ug/kg		4600	U	ug/kg	4600	-		ug/kg	
2-Acetylaminofluorene	-		ug/kg		-		ug/kg		960	U	ug/kg	960	-		ug/kg	
PESTICIDES/PCBs ug/kg																
alpha-BHC	-		ug/kg		.89	U	ug/kg	.89	-		ug/kg		-		ug/kg	
beta-BHC	-		ug/kg		1.7	U	ug/kg	1.7	-		ug/kg		-		ug/kg	
delta-BHC	-		ug/kg		.89	U	ug/kg	.89	-		ug/kg		-		ug/kg	
gamma-BHC (Lindane)	-		ug/kg		.89	U	ug/kg	.89	-		ug/kg		-		ug/kg	
Heptachlor	-		ug/kg		.89	U	ug/kg	.89	-		ug/kg		-		ug/kg	
Aldrin	-		ug/kg		.89	U	ug/kg	.89	-		ug/kg		-		ug/kg	
Heptachlor epoxide	-		ug/kg		.89	U	ug/kg	.89	-		ug/kg		-		ug/kg	
Endosulfan I	-		ug/kg		.89	U	ug/kg	.89	-		ug/kg		-		ug/kg	
Dieldrin	-		ug/kg		.89	U	ug/kg	.89	-		ug/kg		-		ug/kg	
4,4-DDE	-		ug/kg		7.9		ug/kg		-		ug/kg		-		ug/kg	
Endrin	-		ug/kg		1.7	U	ug/kg	1.7	-		ug/kg		-		ug/kg	
Endosulfan II	-		ug/kg		1.7	U	ug/kg	1.7	-		ug/kg		-		ug/kg	
4,4-DDD	-		ug/kg		4.2		ug/kg		-		ug/kg		-		ug/kg	
Endosulfan sulfate	-		ug/kg		1.7	U	ug/kg	1.7	-		ug/kg		-		ug/kg	
4,4-DDT	-		ug/kg		1.7	U	ug/kg	1.7	-		ug/kg		-		ug/kg	
Methoxychlor	-		ug/kg		3.6	U	ug/kg	3.6	-		ug/kg		-		ug/kg	
Endrin aldehyde	-		ug/kg		1.7	U	ug/kg	1.7	-		ug/kg		-		ug/kg	
Endrin ketone	-		ug/kg		1.7	U	ug/kg	1.7	-		ug/kg		-		ug/kg	
Chlordane	-		ug/kg		8.9	U	ug/kg	8.9	-		ug/kg		-		ug/kg	
Chlorobenzilate	-		ug/kg		27	U	ug/kg	27	-		ug/kg		-		ug/kg	
Diallate	-		ug/kg		53	U	ug/kg	53	-		ug/kg		-		ug/kg	
Toxaphene	-		ug/kg		44	U	ug/kg	44	-		ug/kg		-		ug/kg	
Isodrin	-		ug/kg		1.1	U	ug/kg	1.1	-		ug/kg		-		ug/kg	
Kepone	-		ug/kg		53	U	ug/kg	53	-		ug/kg		-		ug/kg	
Aroclor-1016	-		ug/kg		44	U	ug/kg	44	-		ug/kg		-		ug/kg	
Aroclor-1221	-		ug/kg		89	U	ug/kg	89	-		ug/kg		-		ug/kg	

US Naval Station, Mayport, Florida
Analytical Results for Background Sediment Samples

Lab Sample Number:	01538010				24081010				35168010				01528007			
Site	BACKGROUND				BACKGROUND				BACKGROUND				BACKGROUND			
Locator	MPTBSD6				MPTBSD6				MPTBSD6				MPTBSD7			
Collect Date:	17-FEB-93				17-FEB-93				17-FEB-93				17-FEB-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Aroclor-1232	-		ug/kg		89	U	ug/kg	89	-		ug/kg		-		ug/kg	
Aroclor-1242	-		ug/kg		44	U	ug/kg	44	-		ug/kg		-		ug/kg	
Aroclor-1248	-		ug/kg		44	U	ug/kg	44	-		ug/kg		-		ug/kg	
Aroclor-1254	-		ug/kg		23	U	ug/kg	23	-		ug/kg		-		ug/kg	
Aroclor-1260	-		ug/kg		23	U	ug/kg	23	-		ug/kg		-		ug/kg	
INORGANICS (SOIL) mg/kg																
Antimony	-		mg/kg		-		mg/kg		-		mg/kg		7.1	U	mg/kg	7.1
Arsenic	-		mg/kg		-		mg/kg		-		mg/kg		.01	U	mg/kg	.01
Barium	-		mg/kg		-		mg/kg		-		mg/kg		4	J	mg/kg	
Beryllium	-		mg/kg		-		mg/kg		-		mg/kg		.08	U	mg/kg	.08
Cadmium	-		mg/kg		-		mg/kg		-		mg/kg		1.1	U	mg/kg	1.1
Chromium	-		mg/kg		-		mg/kg		-		mg/kg		3		mg/kg	
Cobalt	-		mg/kg		-		mg/kg		-		mg/kg		.65	U	mg/kg	.65
Copper	-		mg/kg		-		mg/kg		-		mg/kg		.88	J	mg/kg	
Cyanide	-		mg/kg		-		mg/kg		-		mg/kg		.22	U	mg/kg	.22
Lead	-		mg/kg		-		mg/kg		-		mg/kg		3.1		mg/kg	
Mercury	-		mg/kg		-		mg/kg		-		mg/kg		.22	J	mg/kg	
Nickel	-		mg/kg		-		mg/kg		-		mg/kg		3.6	U	mg/kg	3.6
Selenium	-		mg/kg		-		mg/kg		-		mg/kg		.65	J	mg/kg	
Silver	-		mg/kg		-		mg/kg		-		mg/kg		.7	U	mg/kg	.7
Thallium	-		mg/kg		-		mg/kg		-		mg/kg		.88	J	mg/kg	
Tin	-		mg/kg		-		mg/kg		-		mg/kg		10.1	U	mg/kg	10.1
Vanadium	-		mg/kg		-		mg/kg		-		mg/kg		2.7	J	mg/kg	
Zinc	-		mg/kg		-		mg/kg		-		mg/kg		9.5	J	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.

US Naval Station, Mayport, Florida
Analytical Results for Background Sediment Samples

Lab Sample Number:		01538008			24081008			35168008			01528008		
Site		BACKGROUND			BACKGROUND			BACKGROUND			BACKGROUND		
Locator		MPTBSD7			MPTBSD7			MPTBSD7			MPTBSD7D		
Collect Date:		17-FEB-93			17-FEB-93			17-FEB-93			17-FEB-93		
		VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
VOLATILES	ug/kg												
Chloromethane		14 U	ug/kg	14	-	ug/kg		-	ug/kg		-	ug/kg	
Bromomethane		14 U	ug/kg	14	-	ug/kg		-	ug/kg		-	ug/kg	
Vinyl chloride		14 U	ug/kg	14	-	ug/kg		-	ug/kg		-	ug/kg	
Chloroethane		14 U	ug/kg	14	-	ug/kg		-	ug/kg		-	ug/kg	
Methylene chloride		7 U	ug/kg	7	-	ug/kg		-	ug/kg		-	ug/kg	
Acetone		20 U	ug/kg	20	-	ug/kg		-	ug/kg		-	ug/kg	
Carbon disulfide		7 U	ug/kg	7	-	ug/kg		-	ug/kg		-	ug/kg	
1,1-Dichloroethane		7 U	ug/kg	7	-	ug/kg		-	ug/kg		-	ug/kg	
1,1-Dichloroethene		7 U	ug/kg	7	-	ug/kg		-	ug/kg		-	ug/kg	
1,2-Dichloroethene (total)		7 U	ug/kg	7	-	ug/kg		-	ug/kg		-	ug/kg	
Chloroform		7 U	ug/kg	7	-	ug/kg		-	ug/kg		-	ug/kg	
1,2-Dichloroethane		7 U	ug/kg	7	-	ug/kg		-	ug/kg		-	ug/kg	
2-Butanone		14 U	ug/kg	14	-	ug/kg		-	ug/kg		-	ug/kg	
1,1,1-Trichloroethane		7 U	ug/kg	7	-	ug/kg		-	ug/kg		-	ug/kg	
Carbon tetrachloride		7 U	ug/kg	7	-	ug/kg		-	ug/kg		-	ug/kg	
Bromodichloromethane		7 U	ug/kg	7	-	ug/kg		-	ug/kg		-	ug/kg	
1,2-Dichloropropane		7 U	ug/kg	7	-	ug/kg		-	ug/kg		-	ug/kg	
cis-1,3-Dichloropropene		7 U	ug/kg	7	-	ug/kg		-	ug/kg		-	ug/kg	
Trichloroethene		7 U	ug/kg	7	-	ug/kg		-	ug/kg		-	ug/kg	
Dibromochloromethane		7 U	ug/kg	7	-	ug/kg		-	ug/kg		-	ug/kg	
1,1,2-Trichloroethane		7 U	ug/kg	7	-	ug/kg		-	ug/kg		-	ug/kg	
Benzene		7 U	ug/kg	7	-	ug/kg		-	ug/kg		-	ug/kg	
trans-1,3-Dichloropropene		7 U	ug/kg	7	-	ug/kg		-	ug/kg		-	ug/kg	
Bromoform		7 U	ug/kg	7	-	ug/kg		-	ug/kg		-	ug/kg	
4-Methyl-2-pentanone		14 U	ug/kg	14	-	ug/kg		-	ug/kg		-	ug/kg	
2-Hexanone		14 U	ug/kg	14	-	ug/kg		-	ug/kg		-	ug/kg	
Tetrachloroethene		7 U	ug/kg	7	-	ug/kg		-	ug/kg		-	ug/kg	
1,1,2,2-Tetrachloroethane		7 U	ug/kg	7	-	ug/kg		-	ug/kg		-	ug/kg	
Toluene		7 U	ug/kg	7	-	ug/kg		-	ug/kg		-	ug/kg	
Chlorobenzene		7 U	ug/kg	7	-	ug/kg		-	ug/kg		-	ug/kg	
Ethylbenzene		7 U	ug/kg	7	-	ug/kg		-	ug/kg		-	ug/kg	
Styrene		7 U	ug/kg	7	-	ug/kg		-	ug/kg		-	ug/kg	
Xylenes (total)		7 U	ug/kg	7	-	ug/kg		-	ug/kg		-	ug/kg	
Dichlorodifluoromethane		14 U	ug/kg	14	-	ug/kg		-	ug/kg		-	ug/kg	
Trichlorofluoromethane		7 U	ug/kg	7	-	ug/kg		-	ug/kg		-	ug/kg	
1,3-Dichlorobenzene		7 U	ug/kg	7	-	ug/kg		940 U	ug/kg	940	-	ug/kg	
Acrolein		140 U	ug/kg	140	-	ug/kg		-	ug/kg		-	ug/kg	
Iodomethane		14 U	ug/kg	14	-	ug/kg		-	ug/kg		-	ug/kg	
1,4-Dichlorobenzene		7 U	ug/kg	7	-	ug/kg		940 U	ug/kg	940	-	ug/kg	
Acrylonitrile		140 U	ug/kg	140	-	ug/kg		-	ug/kg		-	ug/kg	

US Naval Station, Mayport, Florida
Analytical Results for Background Sediment Samples

Lab Sample Number:	01538008				24081008				35168008				01528008			
Site	BACKGROUND				BACKGROUND				BACKGROUND				BACKGROUND			
Locator	MPTBSD7				MPTBSD7				MPTBSD7				MPTBSD7D			
Collect Date:	17-FEB-93				17-FEB-93				17-FEB-93				17-FEB-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Dibromomethane	7	U	ug/kg	7	-		ug/kg		-		ug/kg		-		ug/kg	
1,2-Dichlorobenzene	7	U	ug/kg	7	-		ug/kg		940	U	ug/kg	940	-		ug/kg	
2-Chloroethylvinyl ether	14	U	ug/kg	14	-		ug/kg		-		ug/kg		-		ug/kg	
Ethyl methacrylate	7	U	ug/kg	7	-		ug/kg		-		ug/kg		-		ug/kg	
1,2,3-Trichloropropane	7	U	ug/kg	7	-		ug/kg		-		ug/kg		-		ug/kg	
trans-1,4-Dichloro-2-butene	7	U	ug/kg	7	-		ug/kg		-		ug/kg		-		ug/kg	
Isobutyl alcohol	1400	R	ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
1,1,1,2-Tetrachloroethane	7	U	ug/kg	7	-		ug/kg		-		ug/kg		-		ug/kg	
1,2-Dibromo-3-chloropropane	14	U	ug/kg	14	-		ug/kg		-		ug/kg		-		ug/kg	
Ethylene dibromide	7	U	ug/kg	7	-		ug/kg		-		ug/kg		-		ug/kg	
1,4-Dioxane	270	R	ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
3-Chloropropene	7	U	ug/kg	7	-		ug/kg		-		ug/kg		-		ug/kg	
Acetonitrile	140	R	ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Chloroprene	270	R	ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Methacrylonitrile	7	U	ug/kg	7	-		ug/kg		-		ug/kg		-		ug/kg	
Methyl methacrylate	14	U	ug/kg	14	-		ug/kg		-		ug/kg		-		ug/kg	
Pentachloroethane	14	U	ug/kg	14	-		ug/kg		-		ug/kg		-		ug/kg	
Propionitrile	140	U	ug/kg	140	-		ug/kg		-		ug/kg		-		ug/kg	
Vinyl acetate	14	U	ug/kg	14	-		ug/kg		-		ug/kg		-		ug/kg	
SEMIVOLATILES ug/kg																
N-Nitrosodimethylamine	-		ug/kg		-		ug/kg		940	U	ug/kg	940	-		ug/kg	
Phenol	-		ug/kg		-		ug/kg		940	U	ug/kg	940	-		ug/kg	
Aniline	-		ug/kg		-		ug/kg		940	U	ug/kg	940	-		ug/kg	
bis(2-Chloroethyl) ether	-		ug/kg		-		ug/kg		940	U	ug/kg	940	-		ug/kg	
Benzyl Alcohol	-		ug/kg		-		ug/kg		940	U	ug/kg	940	-		ug/kg	
2-Methylphenol	-		ug/kg		-		ug/kg		940	U	ug/kg	940	-		ug/kg	
bis(2-Chloroisopropyl) ether	-		ug/kg		-		ug/kg		940	U	ug/kg	940	-		ug/kg	
N-Nitroso-di-n-propylamine	-		ug/kg		-		ug/kg		940	U	ug/kg	940	-		ug/kg	
Hexachloroethane	-		ug/kg		-		ug/kg		940	U	ug/kg	940	-		ug/kg	
Nitrobenzene	-		ug/kg		-		ug/kg		940	U	ug/kg	940	-		ug/kg	
Isophorone	-		ug/kg		-		ug/kg		940	U	ug/kg	940	-		ug/kg	
2-Nitrophenol	-		ug/kg		-		ug/kg		940	U	ug/kg	940	-		ug/kg	
2,4-Dimethylphenol	-		ug/kg		-		ug/kg		940	U	ug/kg	940	-		ug/kg	
Benzoic acid	-		ug/kg		-		ug/kg		4600	U	ug/kg	4600	-		ug/kg	
bis(2-Chloroethoxy) methane	-		ug/kg		-		ug/kg		940	U	ug/kg	940	-		ug/kg	
2,4-Dichlorophenol	-		ug/kg		-		ug/kg		940	U	ug/kg	940	-		ug/kg	
1,2,4-Trichlorobenzene	-		ug/kg		-		ug/kg		940	U	ug/kg	940	-		ug/kg	
Naphthalene	-		ug/kg		-		ug/kg		940	U	ug/kg	940	-		ug/kg	
4-Chloroaniline	-		ug/kg		-		ug/kg		940	U	ug/kg	940	-		ug/kg	
Hexachlorobutadiene	-		ug/kg		-		ug/kg		940	U	ug/kg	940	-		ug/kg	
4-Chloro-3-methylphenol	-		ug/kg		-		ug/kg		940	U	ug/kg	940	-		ug/kg	
2-Methylnaphthalene	-		ug/kg		-		ug/kg		940	U	ug/kg	940	-		ug/kg	
Hexachlorocyclopentadiene	-		ug/kg		-		ug/kg		940	U	ug/kg	940	-		ug/kg	
2,4,6-Trichlorophenol	-		ug/kg		-		ug/kg		940	U	ug/kg	940	-		ug/kg	
Dimethylphthalate	-		ug/kg		-		ug/kg		940	U	ug/kg	940	-		ug/kg	
2,4,5-Trichlorophenol	-		ug/kg		-		ug/kg		4600	U	ug/kg	4600	-		ug/kg	
2-Chloronaphthalene	-		ug/kg		-		ug/kg		940	U	ug/kg	940	-		ug/kg	
2-Nitroaniline	-		ug/kg		-		ug/kg		4600	U	ug/kg	4600	-		ug/kg	
Acenaphthylene	-		ug/kg		-		ug/kg		940	U	ug/kg	940	-		ug/kg	
2,6-Dinitrotoluene	-		ug/kg		-		ug/kg		940	U	ug/kg	940	-		ug/kg	
3-Nitroaniline	-		ug/kg		-		ug/kg		4600	U	ug/kg	4600	-		ug/kg	

US Naval Station, Mayport, Florida
Analytical Results for Background Sediment Samples

Lab Sample Number:	01538008				24081008				35168008				01528008			
Site	BACKGROUND				BACKGROUND				BACKGROUND				BACKGROUND			
Locator	MPTBSD7				MPTBSD7				MPTBSD7				MPTBSD7D			
Collect Date:	17-FEB-93				17-FEB-93				17-FEB-93				17-FEB-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Acenaphthene	-		ug/kg		-		ug/kg		940	U	ug/kg	940	-		ug/kg	
2,4-Dinitrophenol	-		ug/kg		-		ug/kg		4600	U	ug/kg	4600	-		ug/kg	
4-Nitrophenol	-		ug/kg		-		ug/kg		4600	U	ug/kg	4600	-		ug/kg	
Dibenzofuran	-		ug/kg		-		ug/kg		940	U	ug/kg	940	-		ug/kg	
2,4-Dinitrotoluene	-		ug/kg		-		ug/kg		940	U	ug/kg	940	-		ug/kg	
Diethylphthalate	-		ug/kg		-		ug/kg		940	U	ug/kg	940	-		ug/kg	
4-Chlorophenyl-phenylether	-		ug/kg		-		ug/kg		940	U	ug/kg	940	-		ug/kg	
Fluorene	-		ug/kg		-		ug/kg		940	U	ug/kg	940	-		ug/kg	
4-Nitroaniline	-		ug/kg		-		ug/kg		4600	U	ug/kg	4600	-		ug/kg	
4,6-Dinitro-2-methylphenol	-		ug/kg		-		ug/kg		4600	U	ug/kg	4600	-		ug/kg	
N-Nitrosodiphenylamine	-		ug/kg		-		ug/kg		940	U	ug/kg	940	-		ug/kg	
1,2-Diphenylhydrazine	-		ug/kg		-		ug/kg		940	U	ug/kg	940	-		ug/kg	
4-Bromophenyl-phenylether	-		ug/kg		-		ug/kg		940	U	ug/kg	940	-		ug/kg	
Hexachlorobenzene	-		ug/kg		-		ug/kg		940	U	ug/kg	940	-		ug/kg	
Pentachlorophenol	-		ug/kg		-		ug/kg		4600	U	ug/kg	4600	-		ug/kg	
Phenanthrene	-		ug/kg		-		ug/kg		940	U	ug/kg	940	-		ug/kg	
Anthracene	-		ug/kg		-		ug/kg		940	U	ug/kg	940	-		ug/kg	
Di-n-Butylphthalate	-		ug/kg		-		ug/kg		940	U	ug/kg	940	-		ug/kg	
Fluoranthene	-		ug/kg		-		ug/kg		940	U	ug/kg	940	-		ug/kg	
Pyrene	-		ug/kg		-		ug/kg		99	J	ug/kg		-		ug/kg	
Butylbenzylphthalate	-		ug/kg		-		ug/kg		940	U	ug/kg	940	-		ug/kg	
3,3-Dichlorobenzidine	-		ug/kg		-		ug/kg		1900	U	ug/kg	1900	-		ug/kg	
Benzo (a) anthracene	-		ug/kg		-		ug/kg		940	U	ug/kg	940	-		ug/kg	
Chrysene	-		ug/kg		-		ug/kg		940	U	ug/kg	940	-		ug/kg	
bis(2-Ethylhexyl) phthalate	-		ug/kg		-		ug/kg		140	J	ug/kg		-		ug/kg	
Di-n-octylphthalate	-		ug/kg		-		ug/kg		940	U	ug/kg	940	-		ug/kg	
Benzo (b) fluoranthene	-		ug/kg		-		ug/kg		940	U	ug/kg	940	-		ug/kg	
Benzo (k) fluoranthene	-		ug/kg		-		ug/kg		940	U	ug/kg	940	-		ug/kg	
Benzo (a) pyrene	-		ug/kg		-		ug/kg		940	U	ug/kg	940	-		ug/kg	
Indeno (1,2,3-cd) pyrene	-		ug/kg		-		ug/kg		940	U	ug/kg	940	-		ug/kg	
Dibenzo (a,h) anthracene	-		ug/kg		-		ug/kg		940	U	ug/kg	940	-		ug/kg	
Benzo (g,h,i) perylene	-		ug/kg		-		ug/kg		940	U	ug/kg	940	-		ug/kg	
2-Picoline	-		ug/kg		-		ug/kg		4600	U	ug/kg	4600	-		ug/kg	
Methyl methanesulfonate	-		ug/kg		-		ug/kg		940	U	ug/kg	940	-		ug/kg	
Ethyl methanesulfonate	-		ug/kg		-		ug/kg		940	U	ug/kg	940	-		ug/kg	
Acetophenone	-		ug/kg		-		ug/kg		940	U	ug/kg	940	-		ug/kg	
N-Nitrosopiperidine	-		ug/kg		-		ug/kg		940	UJ	ug/kg		-		ug/kg	
Phenyl-tert-butylamine	-		ug/kg		-		ug/kg		4600	U	ug/kg	4600	-		ug/kg	
2,6-Dichlorophenol	-		ug/kg		-		ug/kg		940	U	ug/kg	940	-		ug/kg	
N-Nitroso-di-n-butylamine	-		ug/kg		-		ug/kg		940	U	ug/kg	940	-		ug/kg	
N-Nitrosodiethylamine	-		ug/kg		-		ug/kg		940	U	ug/kg	940	-		ug/kg	
N-Nitrosopyrrolidine	-		ug/kg		-		ug/kg		940	U	ug/kg	940	-		ug/kg	
Benzidine	-		ug/kg		-		ug/kg		4600	U	ug/kg	4600	-		ug/kg	
1,2,4,5-Tetrachlorobenzene	-		ug/kg		-		ug/kg		4600	U	ug/kg	4600	-		ug/kg	
Pentachlorobenzene	-		ug/kg		-		ug/kg		4600	U	ug/kg	4600	-		ug/kg	
1-Naphthylamine	-		ug/kg		-		ug/kg		4600	U	ug/kg	4600	-		ug/kg	
2-Naphthylamine	-		ug/kg		-		ug/kg		4600	U	ug/kg	4600	-		ug/kg	
2,3,4,6-Tetrachlorophenol	-		ug/kg		-		ug/kg		940	U	ug/kg	940	-		ug/kg	
Phenacetin	-		ug/kg		-		ug/kg		940	U	ug/kg	940	-		ug/kg	
4-Aminobiphenyl	-		ug/kg		-		ug/kg		4600	U	ug/kg	4600	-		ug/kg	
Pentachloronitrobenzene	-		ug/kg		-		ug/kg		4600	U	ug/kg	4600	-		ug/kg	
Pronamide	-		ug/kg		-		ug/kg		940	U	ug/kg	940	-		ug/kg	

US Naval Station, Mayport, Florida
Analytical Results for Background Sediment Samples

Lab Sample Number:		01538008				24081008				35168008				01528008			
Site		BACKGROUND				BACKGROUND				BACKGROUND				BACKGROUND			
Locator		MPTBSD7				MPTBSD7				MPTBSD7				MPTBSD7D			
Collect Date:		17-FEB-93				17-FEB-93				17-FEB-93				17-FEB-93			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
p-Dimethylaminoazobenzene		-		ug/kg		-		ug/kg		940	U	ug/kg	940	-		ug/kg	
7,12-Dimethylbenz(A)Anthracene		-		ug/kg		-		ug/kg		940	UJ	ug/kg		-		ug/kg	
3-Methylcholanthrene		-		ug/kg		-		ug/kg		940	UJ	ug/kg		-		ug/kg	
Pyridine		-		ug/kg		-		ug/kg		4600	U	ug/kg	4600	-		ug/kg	
N-Nitrosomethylethylamine		-		ug/kg		-		ug/kg		940	U	ug/kg	940	-		ug/kg	
N-Nitrosomorpholine		-		ug/kg		-		ug/kg		940	U	ug/kg	940	-		ug/kg	
o-Toluidine		-		ug/kg		-		ug/kg		940	U	ug/kg	940	-		ug/kg	
Hexachloropropene		-		ug/kg		-		ug/kg		4600	U	ug/kg	4600	-		ug/kg	
p-Phenylenediamine		-		ug/kg		-		ug/kg		46000	U	ug/kg	46000	-		ug/kg	
Safrole		-		ug/kg		-		ug/kg		4600	U	ug/kg	4600	-		ug/kg	
Isosafrole		-		ug/kg		-		ug/kg		4600	U	ug/kg	4600	-		ug/kg	
1,4-Naphthoquinone		-		ug/kg		-		ug/kg		94000	U	ug/kg	94000	-		ug/kg	
1,3-Dinitrobenzene		-		ug/kg		-		ug/kg		940	U	ug/kg	940	-		ug/kg	
5-Nitro-o-toluidine		-		ug/kg		-		ug/kg		940	U	ug/kg	940	-		ug/kg	
1,3,5-Trinitrobenzene		-		ug/kg		-		ug/kg		940	UJ	ug/kg		-		ug/kg	
4-Nitroquinoline-1-oxide		-		ug/kg		-		ug/kg		46000	U	ug/kg	46000	-		ug/kg	
Methapyrilene		-		ug/kg		-		ug/kg		4600	U	ug/kg	4600	-		ug/kg	
3,3-Dimethylbenzidine		-		ug/kg		-		ug/kg		940	U	ug/kg	940	-		ug/kg	
Hexachlorophene		-		ug/kg		-		ug/kg		46000	U	ug/kg	46000	-		ug/kg	
Aramite		-		ug/kg		-		ug/kg		4600	R	ug/kg		-		ug/kg	
2-Chlorophenol		-		ug/kg		-		ug/kg		940	U	ug/kg	940	-		ug/kg	
3- & 4-Methylphenol (2)		-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Hexachloropropene		-		ug/kg		-		ug/kg		4600	U	ug/kg	4600	-		ug/kg	
2-Acetylaminofluorene		-		ug/kg		-		ug/kg		940	U	ug/kg	940	-		ug/kg	
PESTICIDES/PCBs	ug/kg																
alpha-BHC		-		ug/kg		.89	U	ug/kg	.89	-		ug/kg		-		ug/kg	
beta-BHC		-		ug/kg		1.7	U	ug/kg	1.7	-		ug/kg		-		ug/kg	
delta-BHC		-		ug/kg		.89	U	ug/kg	.89	-		ug/kg		-		ug/kg	
gamma-BHC (Lindane)		-		ug/kg		.89	U	ug/kg	.89	-		ug/kg		-		ug/kg	
Heptachlor		-		ug/kg		.89	U	ug/kg	.89	-		ug/kg		-		ug/kg	
Aldrin		-		ug/kg		.89	U	ug/kg	.89	-		ug/kg		-		ug/kg	
Heptachlor epoxide		-		ug/kg		.89	U	ug/kg	.89	-		ug/kg		-		ug/kg	
Endosulfan I		-		ug/kg		.89	U	ug/kg	.89	-		ug/kg		-		ug/kg	
Dieldrin		-		ug/kg		.89	U	ug/kg	.89	-		ug/kg		-		ug/kg	
4,4-DDE		-		ug/kg		.89	U	ug/kg	.89	-		ug/kg		-		ug/kg	
Endrin		-		ug/kg		1.7	U	ug/kg	1.7	-		ug/kg		-		ug/kg	
Endosulfan II		-		ug/kg		1.7	U	ug/kg	1.7	-		ug/kg		-		ug/kg	
4,4-DDD		-		ug/kg		1.7	U	ug/kg	1.7	-		ug/kg		-		ug/kg	
Endosulfan sulfate		-		ug/kg		1.7	U	ug/kg	1.7	-		ug/kg		-		ug/kg	
4,4-DDT		-		ug/kg		1.7	U	ug/kg	1.7	-		ug/kg		-		ug/kg	
Methoxychlor		-		ug/kg		3.6	U	ug/kg	3.6	-		ug/kg		-		ug/kg	
Endrin aldehyde		-		ug/kg		1.7	U	ug/kg	1.7	-		ug/kg		-		ug/kg	
Endrin ketone		-		ug/kg		1.7	U	ug/kg	1.7	-		ug/kg		-		ug/kg	
Chlordane		-		ug/kg		12	U	ug/kg	12	-		ug/kg		-		ug/kg	
Chlorobenzilate		-		ug/kg		27	U	ug/kg	27	-		ug/kg		-		ug/kg	
Diallate		-		ug/kg		53	U	ug/kg	53	-		ug/kg		-		ug/kg	
Toxaphene		-		ug/kg		44	U	ug/kg	44	-		ug/kg		-		ug/kg	
Isodrin		-		ug/kg		1.1	U	ug/kg	1.1	-		ug/kg		-		ug/kg	
Kepone		-		ug/kg		53	U	ug/kg	53	-		ug/kg		-		ug/kg	
Aroclor-1016		-		ug/kg		44	U	ug/kg	44	-		ug/kg		-		ug/kg	
Aroclor-1221		-		ug/kg		89	U	ug/kg	89	-		ug/kg		-		ug/kg	

US Naval Station, Mayport, Florida
Analytical Results for Background Sediment Samples

Lab Sample Number:	01538008				24081008				35168008				01528008			
Site	BACKGROUND				BACKGROUND				BACKGROUND				BACKGROUND			
Locator	MPTBSD7				MPTBSD7				MPTBSD7				MPTBSD7D			
Collect Date:	17-FEB-93				17-FEB-93				17-FEB-93				17-FEB-93			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Aroclor-1232	-		ug/kg		89	U	ug/kg	89	-		ug/kg		-		ug/kg	
Aroclor-1242	-		ug/kg		44	U	ug/kg	44	-		ug/kg		-		ug/kg	
Aroclor-1248	-		ug/kg		44	U	ug/kg	44	-		ug/kg		-		ug/kg	
Aroclor-1254	-		ug/kg		23	U	ug/kg	23	-		ug/kg		-		ug/kg	
Aroclor-1260	-		ug/kg		23	U	ug/kg	23	-		ug/kg		-		ug/kg	
INORGANICS (SOIL) mg/kg																
Antimony	-		mg/kg		-		mg/kg		-		mg/kg		6.9	U	mg/kg	6.9
Arsenic	-		mg/kg		-		mg/kg		-		mg/kg		.01	U	mg/kg	.01
Barium	-		mg/kg		-		mg/kg		-		mg/kg		4	J	mg/kg	
Beryllium	-		mg/kg		-		mg/kg		-		mg/kg		.1	J	mg/kg	
Cadmium	-		mg/kg		-		mg/kg		-		mg/kg		1.1	U	mg/kg	1.1
Chromium	-		mg/kg		-		mg/kg		-		mg/kg		2.8		mg/kg	
Cobalt	-		mg/kg		-		mg/kg		-		mg/kg		.63	U	mg/kg	.63
Copper	-		mg/kg		-		mg/kg		-		mg/kg		.88	J	mg/kg	
Cyanide	-		mg/kg		-		mg/kg		-		mg/kg		.21	U	mg/kg	.21
Lead	-		mg/kg		-		mg/kg		-		mg/kg		2.5		mg/kg	
Mercury	-		mg/kg		-		mg/kg		-		mg/kg		.04	UJ	mg/kg	
Nickel	-		mg/kg		-		mg/kg		-		mg/kg		3.5	U	mg/kg	3.5
Selenium	-		mg/kg		-		mg/kg		-		mg/kg		.6	U	mg/kg	.6
Silver	-		mg/kg		-		mg/kg		-		mg/kg		.68	U	mg/kg	.68
Thallium	-		mg/kg		-		mg/kg		-		mg/kg		.72	UJ	mg/kg	
Tin	-		mg/kg		-		mg/kg		-		mg/kg		9.8	U	mg/kg	9.8
Vanadium	-		mg/kg		-		mg/kg		-		mg/kg		2.2	J	mg/kg	
Zinc	-		mg/kg		-		mg/kg		-		mg/kg		7.9	J	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.

US Naval Station, Mayport, Florida
Analytical Results for Background Sediment Samples

Lab Sample Number:		01538009				24081009				35168009				MPTBSDDUP1			
Site		BACKGROUND				BACKGROUND				BACKGROUND				BACKGROUND			
Locator		MPTBSD7D				MPTBSD7D				MPTBSD7D				MPTBSDDUP1			
Collect Date:		17-FEB-93				17-FEB-93				17-FEB-93				21-JAN-92			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
VOLATILES	ug/kg																
Chloromethane		14	U	ug/kg	14	-		ug/kg		-		ug/kg		32	U	ug/kg	32
Bromomethane		14	U	ug/kg	14	-		ug/kg		-		ug/kg		32	U	ug/kg	32
Vinyl chloride		14	U	ug/kg	14	-		ug/kg		-		ug/kg		32	U	ug/kg	32
Chloroethane		14	U	ug/kg	14	-		ug/kg		-		ug/kg		32	U	ug/kg	32
Methylene chloride		7	U	ug/kg	7	-		ug/kg		-		ug/kg		25	U	ug/kg	25
Acetone		14	U	ug/kg	14	-		ug/kg		-		ug/kg		95	U	ug/kg	95
Carbon disulfide		7	U	ug/kg	7	-		ug/kg		-		ug/kg		19		ug/kg	
1,1-Dichloroethane		7	U	ug/kg	7	-		ug/kg		-		ug/kg		16	U	ug/kg	16
1,1-Dichloroethene		7	U	ug/kg	7	-		ug/kg		-		ug/kg		16	U	ug/kg	16
1,2-Dichloroethene (total)		7	U	ug/kg	7	-		ug/kg		-		ug/kg		16	U	ug/kg	16
Chloroform		7	U	ug/kg	7	-		ug/kg		-		ug/kg		16	U	ug/kg	16
1,2-Dichloroethane		7	U	ug/kg	7	-		ug/kg		-		ug/kg		16	U	ug/kg	16
2-Butanone		14	U	ug/kg	14	-		ug/kg		-		ug/kg		39	U	ug/kg	39
1,1,1-Trichloroethane		7	U	ug/kg	7	-		ug/kg		-		ug/kg		16	U	ug/kg	16
Carbon tetrachloride		7	U	ug/kg	7	-		ug/kg		-		ug/kg		16	U	ug/kg	16
Bromodichloromethane		7	U	ug/kg	7	-		ug/kg		-		ug/kg		16	U	ug/kg	16
1,2-Dichloropropane		7	U	ug/kg	7	-		ug/kg		-		ug/kg		16	U	ug/kg	16
cis-1,3-Dichloropropene		7	U	ug/kg	7	-		ug/kg		-		ug/kg		16	U	ug/kg	16
Trichloroethene		7	U	ug/kg	7	-		ug/kg		-		ug/kg		16	U	ug/kg	16
Dibromochloromethane		7	U	ug/kg	7	-		ug/kg		-		ug/kg		16	U	ug/kg	16
1,1,2-Trichloroethane		7	U	ug/kg	7	-		ug/kg		-		ug/kg		16	U	ug/kg	16
Benzene		7	U	ug/kg	7	-		ug/kg		-		ug/kg		16	U	ug/kg	16
trans-1,3-Dichloropropene		7	U	ug/kg	7	-		ug/kg		-		ug/kg		16	U	ug/kg	16
Bromoform		7	U	ug/kg	7	-		ug/kg		-		ug/kg		16	U	ug/kg	16
4-Methyl-2-pentanone		14	U	ug/kg	14	-		ug/kg		-		ug/kg		32	U	ug/kg	32
2-Hexanone		14	U	ug/kg	14	-		ug/kg		-		ug/kg		32	U	ug/kg	32
Tetrachloroethene		7	U	ug/kg	7	-		ug/kg		-		ug/kg		16	U	ug/kg	16
1,1,2,2-Tetrachloroethane		7	U	ug/kg	7	-		ug/kg		-		ug/kg		16	U	ug/kg	16
Toluene		7	U	ug/kg	7	-		ug/kg		-		ug/kg		16	U	ug/kg	16
Chlorobenzene		7	U	ug/kg	7	-		ug/kg		-		ug/kg		16	U	ug/kg	16
Ethylbenzene		7	U	ug/kg	7	-		ug/kg		-		ug/kg		16	U	ug/kg	16
Styrene		7	U	ug/kg	7	-		ug/kg		-		ug/kg		16	U	ug/kg	16
Xylenes (total)		7	U	ug/kg	7	-		ug/kg		-		ug/kg		16	U	ug/kg	16
Dichlorodifluoromethane		14	U	ug/kg	14	-		ug/kg		-		ug/kg		-		ug/kg	
Trichlorofluoromethane		7	U	ug/kg	7	-		ug/kg		-		ug/kg		16	U	ug/kg	16
1,3-Dichlorobenzene		7	U	ug/kg	7	-		ug/kg		930	U	ug/kg	930	16	U	ug/kg	16
Acrolein		140	U	ug/kg	140	-		ug/kg		-		ug/kg		320	U	ug/kg	320
Iodomethane		14	U	ug/kg	14	-		ug/kg		-		ug/kg		32	U	ug/kg	32
1,4-Dichlorobenzene		7	U	ug/kg	7	-		ug/kg		930	U	ug/kg	930	16	U	ug/kg	16
Acrylonitrile		140	U	ug/kg	140	-		ug/kg		-		ug/kg		320	U	ug/kg	320

US Naval Station, Mayport, Florida
Analytical Results for Background Sediment Samples

Lab Sample Number:		01538009				24081009				35168009				MPTBSDDUP1			
Site		BACKGROUND				BACKGROUND				BACKGROUND				BACKGROUND			
Locator		MPTBSD7D				MPTBSD7D				MPTBSD7D				MPTBSDDUP1			
Collect Date:		17-FEB-93				17-FEB-93				17-FEB-93				21-JAN-92			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Dibromomethane		7	U	ug/kg	7	-		ug/kg		-		ug/kg		16	U	ug/kg	16
1,2-Dichlorobenzene		7	U	ug/kg	7	-		ug/kg		930	U	ug/kg	930	650	U	ug/kg	650
2-Chloroethylvinyl ether		14	U	ug/kg	14	-		ug/kg		-		ug/kg		32	U	ug/kg	32
Ethyl methacrylate		7	U	ug/kg	7	-		ug/kg		-		ug/kg		16	U	ug/kg	16
1,2,3-Trichloropropane		7	U	ug/kg	7	-		ug/kg		-		ug/kg		16	U	ug/kg	16
trans-1,4-Dichloro-2-butene		7	U	ug/kg	7	-		ug/kg		-		ug/kg		16	U	ug/kg	16
Isobutyl alcohol		1400	R	ug/kg		-		ug/kg		-		ug/kg		650	U	ug/kg	650
1,1,1,2-Tetrachloroethane		7	U	ug/kg	7	-		ug/kg		-		ug/kg		16	U	ug/kg	16
1,2-Dibromo-3-chloropropane		14	U	ug/kg	14	-		ug/kg		-		ug/kg		32	U	ug/kg	32
Ethylene dibromide		7	U	ug/kg	7	-		ug/kg		-		ug/kg		16	U	ug/kg	16
1,4-Dioxane		270	R	ug/kg		-		ug/kg		-		ug/kg		650	U	ug/kg	650
3-Chloropropene		7	U	ug/kg	7	-		ug/kg		-		ug/kg		16	U	ug/kg	16
Acetonitrile		140	U	ug/kg	140	-		ug/kg		-		ug/kg		320	U	ug/kg	320
Chloroprene		270	R	ug/kg		-		ug/kg		-		ug/kg		650	U	ug/kg	650
Methacrylonitrile		7	U	ug/kg	7	-		ug/kg		-		ug/kg		16	U	ug/kg	16
Methyl methacrylate		14	U	ug/kg	14	-		ug/kg		-		ug/kg		32	U	ug/kg	32
Pentachloroethane		14	U	ug/kg	14	-		ug/kg		-		ug/kg		32	U	ug/kg	32
Propionitrile		140	U	ug/kg	140	-		ug/kg		-		ug/kg		320	U	ug/kg	320
Vinyl acetate		14	U	ug/kg	14	-		ug/kg		-		ug/kg		32	U	ug/kg	32
SEMIVOLATILES	ug/kg																
N-Nitrosodimethylamine		-		ug/kg		-		ug/kg		930	U	ug/kg	930	650	U	ug/kg	650
Phenol		-		ug/kg		-		ug/kg		930	U	ug/kg	930	650	U	ug/kg	650
Aniline		-		ug/kg		-		ug/kg		930	U	ug/kg	930	650	U	ug/kg	650
bis(2-Chloroethyl) ether		-		ug/kg		-		ug/kg		930	U	ug/kg	930	650	U	ug/kg	650
Benzyl Alcohol		-		ug/kg		-		ug/kg		930	U	ug/kg	930	650	U	ug/kg	650
2-Methylphenol		-		ug/kg		-		ug/kg		930	U	ug/kg	930	650	U	ug/kg	650
bis(2-Chloroisopropyl) ether		-		ug/kg		-		ug/kg		930	U	ug/kg	930	-		ug/kg	
N-Nitroso-di-n-propylamine		-		ug/kg		-		ug/kg		930	U	ug/kg	930	650	U	ug/kg	650
Hexachloroethane		-		ug/kg		-		ug/kg		930	U	ug/kg	930	650	U	ug/kg	650
Nitrobenzene		-		ug/kg		-		ug/kg		930	U	ug/kg	930	650	U	ug/kg	650
Isophorone		-		ug/kg		-		ug/kg		930	U	ug/kg	930	650	U	ug/kg	650
2-Nitrophenol		-		ug/kg		-		ug/kg		930	U	ug/kg	930	650	U	ug/kg	650
2,4-Dimethylphenol		-		ug/kg		-		ug/kg		930	U	ug/kg	930	650	U	ug/kg	650
Benzoic acid		-		ug/kg		-		ug/kg		4500	U	ug/kg	4500	3100	U	ug/kg	3100
bis(2-Chloroethoxy) methane		-		ug/kg		-		ug/kg		930	U	ug/kg	930	650	U	ug/kg	650
2,4-Dichlorophenol		-		ug/kg		-		ug/kg		930	U	ug/kg	930	650	U	ug/kg	650
1,2,4-Trichlorobenzene		-		ug/kg		-		ug/kg		930	U	ug/kg	930	650	U	ug/kg	650
Naphthalene		-		ug/kg		-		ug/kg		930	U	ug/kg	930	650	U	ug/kg	650
4-Chloroaniline		-		ug/kg		-		ug/kg		930	U	ug/kg	930	650	U	ug/kg	650
Hexachlorobutadiene		-		ug/kg		-		ug/kg		930	U	ug/kg	930	650	U	ug/kg	650
4-Chloro-3-methylphenol		-		ug/kg		-		ug/kg		930	U	ug/kg	930	650	U	ug/kg	650
2-Methylnaphthalene		-		ug/kg		-		ug/kg		930	U	ug/kg	930	650	U	ug/kg	650
Hexachlorocyclopentadiene		-		ug/kg		-		ug/kg		930	U	ug/kg	930	650	U	ug/kg	650
2,4,6-Trichlorophenol		-		ug/kg		-		ug/kg		930	U	ug/kg	930	650	U	ug/kg	650
Dimethylphthalate		-		ug/kg		-		ug/kg		930	U	ug/kg	930	650	U	ug/kg	650
2,4,5-Trichlorophenol		-		ug/kg		-		ug/kg		4500	U	ug/kg	4500	3100	U	ug/kg	3100
2-Chloronaphthalene		-		ug/kg		-		ug/kg		930	U	ug/kg	930	650	U	ug/kg	650
2-Nitroaniline		-		ug/kg		-		ug/kg		4500	U	ug/kg	4500	3100	U	ug/kg	3100
Acenaphthylene		-		ug/kg		-		ug/kg		930	U	ug/kg	930	650	U	ug/kg	650
2,6-Dinitrotoluene		-		ug/kg		-		ug/kg		930	U	ug/kg	930	650	U	ug/kg	650
3-Nitroaniline		-		ug/kg		-		ug/kg		4500	U	ug/kg	4500	3100	U	ug/kg	3100

US Naval Station, Mayport, Florida
Analytical Results for Background Sediment Samples

Lab Sample Number:	01538009				24081009				35168009				MPTBSDDUP1			
Site	BACKGROUND				BACKGROUND				BACKGROUND				BACKGROUND			
Locator	MPTBSD7D				MPTBSD7D				MPTBSD7D				MPTBSDDUP1			
Collect Date:	17-FEB-93				17-FEB-93				17-FEB-93				21-JAN-92			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Acenaphthene	-		ug/kg		-		ug/kg		930	U	ug/kg	930	650	U	ug/kg	650
2,4-Dinitrophenol	-		ug/kg		-		ug/kg		4500	U	ug/kg	4500	3100	U	ug/kg	3100
4-Nitrophenol	-		ug/kg		-		ug/kg		4500	U	ug/kg	4500	3100	U	ug/kg	3100
Dibenzofuran	-		ug/kg		-		ug/kg		930	U	ug/kg	930	650	U	ug/kg	650
2,4-Dinitrotoluene	-		ug/kg		-		ug/kg		930	U	ug/kg	930	650	U	ug/kg	650
Diethylphthalate	-		ug/kg		-		ug/kg		930	U	ug/kg	930	650	U	ug/kg	650
4-Chlorophenyl-phenylether	-		ug/kg		-		ug/kg		930	U	ug/kg	930	650	U	ug/kg	650
Fluorene	-		ug/kg		-		ug/kg		930	U	ug/kg	930	650	U	ug/kg	650
4-Nitroaniline	-		ug/kg		-		ug/kg		4500	U	ug/kg	4500	3100	U	ug/kg	3100
4,6-Dinitro-2-methylphenol	-		ug/kg		-		ug/kg		4500	U	ug/kg	4500	3100	U	ug/kg	3100
N-Nitrosodiphenylamine	-		ug/kg		-		ug/kg		930	U	ug/kg	930	650	U	ug/kg	650
1,2-Diphenylhydrazine	-		ug/kg		-		ug/kg		930	U	ug/kg	930	650	U	ug/kg	650
4-Bromophenyl-phenylether	-		ug/kg		-		ug/kg		930	U	ug/kg	930	650	U	ug/kg	650
Hexachlorobenzene	-		ug/kg		-		ug/kg		930	U	ug/kg	930	650	U	ug/kg	650
Pentachlorophenol	-		ug/kg		-		ug/kg		4500	U	ug/kg	4500	3100	U	ug/kg	3100
Phenanthrene	-		ug/kg		-		ug/kg		930	U	ug/kg	930	650	U	ug/kg	650
Anthracene	-		ug/kg		-		ug/kg		930	U	ug/kg	930	650	U	ug/kg	650
Di-n-Butylphthalate	-		ug/kg		-		ug/kg		930	U	ug/kg	930	71	J	ug/kg	
Fluoranthene	-		ug/kg		-		ug/kg		930	U	ug/kg	930	650	U	ug/kg	650
Pyrene	-		ug/kg		-		ug/kg		930	U	ug/kg	930	650	U	ug/kg	650
Butylbenzylphthalate	-		ug/kg		-		ug/kg		930	U	ug/kg	930	650	U	ug/kg	650
3,3-Dichlorobenzidine	-		ug/kg		-		ug/kg		1900	U	ug/kg	1900	1300	U	ug/kg	1300
Benzo (a) anthracene	-		ug/kg		-		ug/kg		930	U	ug/kg	930	650	U	ug/kg	650
Chrysene	-		ug/kg		-		ug/kg		930	U	ug/kg	930	650	U	ug/kg	650
bis(2-Ethylhexyl) phthalate	-		ug/kg		-		ug/kg		200	J	ug/kg		650	U	ug/kg	650
Di-n-octylphthalate	-		ug/kg		-		ug/kg		930	U	ug/kg	930	650	U	ug/kg	650
Benzo (b) fluoranthene	-		ug/kg		-		ug/kg		930	U	ug/kg	930	650	U	ug/kg	650
Benzo (k) fluoranthene	-		ug/kg		-		ug/kg		930	U	ug/kg	930	650	U	ug/kg	650
Benzo (a) pyrene	-		ug/kg		-		ug/kg		930	U	ug/kg	930	650	U	ug/kg	650
Indeno (1,2,3-cd) pyrene	-		ug/kg		-		ug/kg		930	U	ug/kg	930	650	U	ug/kg	650
Dibenzo (a,h) anthracene	-		ug/kg		-		ug/kg		930	U	ug/kg	930	650	U	ug/kg	650
Benzo (g,h,i) perylene	-		ug/kg		-		ug/kg		930	U	ug/kg	930	650	U	ug/kg	650
2-Picoline	-		ug/kg		-		ug/kg		4500	U	ug/kg	4500	3100	U	ug/kg	3100
Methyl methanesulfonate	-		ug/kg		-		ug/kg		930	U	ug/kg	930	650	U	ug/kg	650
Ethyl methanesulfonate	-		ug/kg		-		ug/kg		930	U	ug/kg	930	650	U	ug/kg	650
Acetophenone	-		ug/kg		-		ug/kg		930	U	ug/kg	930	650	U	ug/kg	650
N-Nitrosopiperidine	-		ug/kg		-		ug/kg		930	UJ	ug/kg		650	U	ug/kg	650
Phenyl-tert-butylamine	-		ug/kg		-		ug/kg		4500	U	ug/kg	4500	3100	R	ug/kg	
2,6-Dichlorophenol	-		ug/kg		-		ug/kg		930	U	ug/kg	930	650	U	ug/kg	650
N-Nitroso-di-n-butylamine	-		ug/kg		-		ug/kg		930	U	ug/kg	930	650	U	ug/kg	650
N-Nitrosodiethylamine	-		ug/kg		-		ug/kg		930	U	ug/kg	930	650	UJ	ug/kg	
N-Nitrosopyrrolidine	-		ug/kg		-		ug/kg		930	U	ug/kg	930	650	UJ	ug/kg	
Benzidine	-		ug/kg		-		ug/kg		4500	U	ug/kg	4500	3100	U	ug/kg	3100
1,2,4,5-Tetrachlorobenzene	-		ug/kg		-		ug/kg		4500	U	ug/kg	4500	3100	U	ug/kg	3100
Pentachlorobenzene	-		ug/kg		-		ug/kg		4500	U	ug/kg	4500	3100	U	ug/kg	3100
1-Naphthylamine	-		ug/kg		-		ug/kg		4500	U	ug/kg	4500	3100	U	ug/kg	3100
2-Naphthylamine	-		ug/kg		-		ug/kg		4500	U	ug/kg	4500	3100	U	ug/kg	3100
2,3,4,6-Tetrachlorophenol	-		ug/kg		-		ug/kg		930	U	ug/kg	930	650	U	ug/kg	650
Phenacetin	-		ug/kg		-		ug/kg		930	U	ug/kg	930	650	U	ug/kg	650
4-Aminobiphenyl	-		ug/kg		-		ug/kg		4500	U	ug/kg	4500	3100	U	ug/kg	3100
Pentachloronitrobenzene	-		ug/kg		-		ug/kg		4500	U	ug/kg	4500	3100	U	ug/kg	3100
Pronamide	-		ug/kg		-		ug/kg		930	U	ug/kg	930	650	U	ug/kg	650

US Naval Station, Mayport, Florida
Analytical Results for Background Sediment Samples

Lab Sample Number:	01538009				24081009				35168009				MPTBSDOUP1			
Site	BACKGROUND				BACKGROUND				BACKGROUND				BACKGROUND			
Locator	MPTBSD7D				MPTBSD7D				MPTBSD7D				MPTBSDDUP1			
Collect Date:	17-FEB-93				17-FEB-93				17-FEB-93				21-JAN-92			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
p-Dimethylaminoazobenzene	-		ug/kg		-		ug/kg		930	U	ug/kg	930	650	U	ug/kg	650
7,12-Dimethylbenz(A)Anthracene	-		ug/kg		-		ug/kg		930	UJ	ug/kg		650	U	ug/kg	650
3-Methylcholanthrene	-		ug/kg		-		ug/kg		930	UJ	ug/kg		650	U	ug/kg	650
Pyridine	-		ug/kg		-		ug/kg		4500	U	ug/kg	4500	3100	U	ug/kg	3100
N-Nitrosomethylethylamine	-		ug/kg		-		ug/kg		930	U	ug/kg	930	650	UJ	ug/kg	
N-Nitrosomorpholine	-		ug/kg		-		ug/kg		930	U	ug/kg	930	650	UJ	ug/kg	
o-Toluidine	-		ug/kg		-		ug/kg		930	U	ug/kg	930	650	UJ	ug/kg	
Hexachloropropene	-		ug/kg		-		ug/kg		4500	U	ug/kg	4500	3100	UJ	ug/kg	
p-Phenylenediamine	-		ug/kg		-		ug/kg		45000	U	ug/kg	45000	3100	UJ	ug/kg	
Safrole	-		ug/kg		-		ug/kg		4500	U	ug/kg	4500	3100	UJ	ug/kg	
Isosafrole	-		ug/kg		-		ug/kg		4500	U	ug/kg	4500	3100	UJ	ug/kg	
1,4-Naphthoquinone	-		ug/kg		-		ug/kg		93000	U	ug/kg	93000	3100	UJ	ug/kg	
1,3-Dinitrobenzene	-		ug/kg		-		ug/kg		930	U	ug/kg	930	650	UJ	ug/kg	
5-Nitro-o-toluidine	-		ug/kg		-		ug/kg		930	U	ug/kg	930	650	UJ	ug/kg	
1,3,5-Trinitrobenzene	-		ug/kg		-		ug/kg		930	UJ	ug/kg		650	UJ	ug/kg	
4-Nitroquinoline-1-oxide	-		ug/kg		-		ug/kg		45000	U	ug/kg	45000	650	UJ	ug/kg	
Methapyrilene	-		ug/kg		-		ug/kg		4500	U	ug/kg	4500	3100	UJ	ug/kg	
3,3-Dimethylbenzidine	-		ug/kg		-		ug/kg		930	U	ug/kg	930	650	UJ	ug/kg	
Hexachlorophene	-		ug/kg		-		ug/kg		45000	U	ug/kg	45000	3100	UJ	ug/kg	
Aramite	-		ug/kg		-		ug/kg		4500	R	ug/kg		-		ug/kg	
2-Chlorophenol	-		ug/kg		-		ug/kg		930	U	ug/kg	930	650	U	ug/kg	650
3- & 4-Methylphenol (2)	-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Hexachloropropene	-		ug/kg		-		ug/kg		4500	U	ug/kg	4500	3100	UJ	ug/kg	
2-Acetylaminofluorene	-		ug/kg		-		ug/kg		930	U	ug/kg	930	650	UJ	ug/kg	
PESTICIDES/PCBs ug/kg																
alpha-BHC	-		ug/kg		.9	U	ug/kg	.9	-		ug/kg		.8	U	ug/kg	.8
beta-BHC	-		ug/kg		1.8	U	ug/kg	1.8	-		ug/kg		1.6	U	ug/kg	1.6
delta-BHC	-		ug/kg		.9	U	ug/kg	.9	-		ug/kg		.8	U	ug/kg	.8
gamma-BHC (Lindane)	-		ug/kg		.9	U	ug/kg	.9	-		ug/kg		.8	U	ug/kg	.8
Heptachlor	-		ug/kg		.9	U	ug/kg	.9	-		ug/kg		.8	U	ug/kg	.8
Aldrin	-		ug/kg		.9	U	ug/kg	.9	-		ug/kg		.8	U	ug/kg	.8
Heptachlor epoxide	-		ug/kg		.9	U	ug/kg	.9	-		ug/kg		.8	U	ug/kg	.8
Endosulfan I	-		ug/kg		.9	U	ug/kg	.9	-		ug/kg		1.6	U	ug/kg	1.6
Dieldrin	-		ug/kg		.9	U	ug/kg	.9	-		ug/kg		1.6	U	ug/kg	1.6
4,4-DOE	-		ug/kg		.9	U	ug/kg	.9	-		ug/kg		1.6	U	ug/kg	1.6
Endrin	-		ug/kg		1.8	U	ug/kg	1.8	-		ug/kg		1.6	U	ug/kg	1.6
Endosulfan II	-		ug/kg		1.8	U	ug/kg	1.8	-		ug/kg		1.6	U	ug/kg	1.6
4,4-DDD	-		ug/kg		1.8	U	ug/kg	1.8	-		ug/kg		1.6	U	ug/kg	1.6
Endosulfan sulfate	-		ug/kg		1.8	U	ug/kg	1.8	-		ug/kg		1.6	U	ug/kg	1.6
4,4-DDT	-		ug/kg		1.8	U	ug/kg	1.8	-		ug/kg		1.6	U	ug/kg	1.6
Methoxychlor	-		ug/kg		3.6	U	ug/kg	3.6	-		ug/kg		3.1	U	ug/kg	3.1
Endrin aldehyde	-		ug/kg		1.8	U	ug/kg	1.8	-		ug/kg		-		ug/kg	
Endrin ketone	-		ug/kg		1.8	U	ug/kg	1.8	-		ug/kg		1.6	U	ug/kg	1.6
Chlordane	-		ug/kg		9	U	ug/kg	9	-		ug/kg		8	U	ug/kg	8
Chlorobenzilate	-		ug/kg		27	U	ug/kg	27	-		ug/kg		39	U	ug/kg	39
Diallate	-		ug/kg		44	U	ug/kg	44	-		ug/kg		78	U	ug/kg	78
Toxaphene	-		ug/kg		44	U	ug/kg	44	-		ug/kg		39	U	ug/kg	39
Isodrin	-		ug/kg		1.1	U	ug/kg	1.1	-		ug/kg		1.6	U	ug/kg	1.6
Kepone	-		ug/kg		54	U	ug/kg	54	-		ug/kg		-		ug/kg	
Aroclor-1016	-		ug/kg		44	U	ug/kg	44	-		ug/kg		63	U	ug/kg	63
Aroclor-1221	-		ug/kg		90	U	ug/kg	90	-		ug/kg		160	U	ug/kg	160

US Naval Station, Mayport, Florida
Analytical Results for Background Sediment Samples

Lab Sample Number:	01538009				24081009				35168009				MPTBSDDUP1			
Site	BACKGROUND				BACKGROUND				BACKGROUND				BACKGROUND			
Locator	MPTBSD7D				MPTBSD7D				MPTBSD7D				MPTBSDDUP1			
Collect Date:	17-FEB-93				17-FEB-93				17-FEB-93				21-JAN-92			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Aroclor-1232	-		ug/kg		90	U	ug/kg	90	-		ug/kg		160	U	ug/kg	160
Aroclor-1242	-		ug/kg		44	U	ug/kg	44	-		ug/kg		63	U	ug/kg	63
Aroclor-1248	-		ug/kg		44	U	ug/kg	44	-		ug/kg		31	U	ug/kg	31
Aroclor-1254	-		ug/kg		23	U	ug/kg	23	-		ug/kg		16	U	ug/kg	16
Aroclor-1260	-		ug/kg		23	U	ug/kg	23	-		ug/kg		16	U	ug/kg	16
INORGANICS (SOIL) mg/kg																
Antimony	-		mg/kg		-		mg/kg		-		mg/kg		16.4	UJ	mg/kg	
Arsenic	-		mg/kg		-		mg/kg		-		mg/kg		6.6		mg/kg	
Barium	-		mg/kg		-		mg/kg		-		mg/kg		15.2	J	mg/kg	
Beryllium	-		mg/kg		-		mg/kg		-		mg/kg		.54	U	mg/kg	.54
Cadmium	-		mg/kg		-		mg/kg		-		mg/kg		.66	U	mg/kg	.66
Chromium	-		mg/kg		-		mg/kg		-		mg/kg		26.6		mg/kg	
Cobalt	-		mg/kg		-		mg/kg		-		mg/kg		4.9	U	mg/kg	4.9
Copper	-		mg/kg		-		mg/kg		-		mg/kg		3.5	J	mg/kg	
Cyanide	-		mg/kg		-		mg/kg		-		mg/kg		-		mg/kg	
Lead	-		mg/kg		-		mg/kg		-		mg/kg		10		mg/kg	
Mercury	-		mg/kg		-		mg/kg		-		mg/kg		.13	U	mg/kg	.13
Nickel	-		mg/kg		-		mg/kg		-		mg/kg		6.4	J	mg/kg	
Selenium	-		mg/kg		-		mg/kg		-		mg/kg		.62	J	mg/kg	
Silver	-		mg/kg		-		mg/kg		-		mg/kg		.95	U	mg/kg	.95
Thallium	-		mg/kg		-		mg/kg		-		mg/kg		.58	UJ	mg/kg	
Tin	-		mg/kg		-		mg/kg		-		mg/kg		85.4	U	mg/kg	85.4
Vanadium	-		mg/kg		-		mg/kg		-		mg/kg		26.2		mg/kg	
Zinc	-		mg/kg		-		mg/kg		-		mg/kg		32.1		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.

US Naval Station, Mayport, Florida
Analytical Results for Background Sediment Samples

Lab Sample Number:		MPTBSDDUP1			M7654010			MC040007			MC040007		
Site		BACKGROUND			BACKGROUND			GROUPI&II			GROUPI&II		
Locator		MPTBSDOUP1DL			OOSD001			OBD00501			OBD00501		
Collect Date:		21-JAN-92			03-AUG-94			02-OCT-96			02-OCT-96		
		VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
VOLATILES	ug/kg												
Chloromethane		-	ug/kg		24 U	ug/kg	24	13 U	ug/kg	13	-	ug/kg	
Bromomethane		-	ug/kg		24 U	ug/kg	24	13 U	ug/kg	13	-	ug/kg	
Vinyl chloride		-	ug/kg		24 U	ug/kg	24	13 U	ug/kg	13	-	ug/kg	
Chloroethane		-	ug/kg		24 U	ug/kg	24	13 U	ug/kg	13	-	ug/kg	
Methylene chloride		-	ug/kg		24 U	ug/kg	24	6 U	ug/kg	6	-	ug/kg	
Acetone		-	ug/kg		50 U	ug/kg	50	13 U	ug/kg	13	-	ug/kg	
Carbon disulfide		-	ug/kg		12 U	ug/kg	12	6 U	ug/kg	6	-	ug/kg	
1,1-Dichloroethane		-	ug/kg		12 U	ug/kg	12	6 U	ug/kg	6	-	ug/kg	
1,1-Dichloroethene		-	ug/kg		12 U	ug/kg	12	6 U	ug/kg	6	-	ug/kg	
1,2-Dichloroethene (total)		-	ug/kg		12 U	ug/kg	12	6 U	ug/kg	6	-	ug/kg	
Chloroform		-	ug/kg		12 U	ug/kg	12	6 U	ug/kg	6	-	ug/kg	
1,2-Dichloroethane		-	ug/kg		12 U	ug/kg	12	6 U	ug/kg	6	-	ug/kg	
2-Butanone		-	ug/kg		24 R	ug/kg	24	13 U	ug/kg	13	-	ug/kg	
1,1,1-Trichloroethane		-	ug/kg		12 U	ug/kg	12	6 U	ug/kg	6	-	ug/kg	
Carbon tetrachloride		-	ug/kg		12 U	ug/kg	12	6 U	ug/kg	6	-	ug/kg	
Bromodichloromethane		-	ug/kg		12 U	ug/kg	12	6 U	ug/kg	6	-	ug/kg	
1,2-Dichloropropane		-	ug/kg		12 U	ug/kg	12	6 U	ug/kg	6	-	ug/kg	
cis-1,3-Dichloropropene		-	ug/kg		12 U	ug/kg	12	6 U	ug/kg	6	-	ug/kg	
Trichloroethene		-	ug/kg		12 U	ug/kg	12	6 U	ug/kg	6	-	ug/kg	
Dibromochloromethane		-	ug/kg		12 U	ug/kg	12	6 U	ug/kg	6	-	ug/kg	
1,1,2-Trichloroethane		-	ug/kg		12 U	ug/kg	12	6 U	ug/kg	6	-	ug/kg	
Benzene		-	ug/kg		12 U	ug/kg	12	6 U	ug/kg	6	-	ug/kg	
trans-1,3-Dichloropropene		-	ug/kg		12 U	ug/kg	12	6 U	ug/kg	6	-	ug/kg	
Bromoform		-	ug/kg		12 U	ug/kg	12	6 U	ug/kg	6	-	ug/kg	
4-Methyl-2-pentanone		-	ug/kg		24 U	ug/kg	24	13 U	ug/kg	13	-	ug/kg	
2-Hexanone		-	ug/kg		24 U	ug/kg	24	13 U	ug/kg	13	-	ug/kg	
Tetrachloroethene		-	ug/kg		12 U	ug/kg	12	6 U	ug/kg	6	-	ug/kg	
1,1,2,2-Tetrachloroethane		-	ug/kg		12 U	ug/kg	12	6 U	ug/kg	6	-	ug/kg	
Toluene		-	ug/kg		12 U	ug/kg	12	6 U	ug/kg	6	-	ug/kg	
Chlorobenzene		-	ug/kg		12 U	ug/kg	12	6 U	ug/kg	6	-	ug/kg	
Ethylbenzene		-	ug/kg		12 U	ug/kg	12	6 U	ug/kg	6	-	ug/kg	
Styrene		-	ug/kg		12 U	ug/kg	12	6 U	ug/kg	6	-	ug/kg	
Xylenes (total)		-	ug/kg		12 U	ug/kg	12	6 U	ug/kg	6	-	ug/kg	
Dichlorodifluoromethane		-	ug/kg		24 U	ug/kg	24	13 U	ug/kg	13	-	ug/kg	
Trichlorofluoromethane		-	ug/kg		12 U	ug/kg	12	6 U	ug/kg	6	-	ug/kg	
1,3-Dichlorobenzene		-	ug/kg		7200 U	ug/kg	7200	6 U	ug/kg	6	440 UJ	ug/kg	440
Acrolein		-	ug/kg		240 U	ug/kg	240	130 U	ug/kg	130	-	ug/kg	
Iodomethane		-	ug/kg		24 U	ug/kg	24	13 U	ug/kg	13	-	ug/kg	
1,4-Dichlorobenzene		-	ug/kg		12 U	ug/kg	12	6 U	ug/kg	6	440 UJ	ug/kg	440
Acrylonitrile		-	ug/kg		240 U	ug/kg	240	130 U	ug/kg	130	-	ug/kg	

US Naval Station, Mayport, Florida
Analytical Results for Background Sediment Samples

Lab Sample Number:		MPTBSDDUP1			M7654010			MC040007			MC040007		
Site		BACKGROUND			BACKGROUND			GROUPI&II			GROUPI&II		
Locator		MPTBSDDUP1DL			00SD001			0BD00501			0BD00501		
Collect Date:		21-JAN-92			03-AUG-94			02-OCT-96			02-OCT-96		
		VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
Dibromomethane		-	ug/kg		12 U	ug/kg	12	6 U	ug/kg	6	-	ug/kg	
1,2-Dichlorobenzene		-	ug/kg		12 U	ug/kg	12	6 U	ug/kg	6	440 UJ	ug/kg	440
2-Chloroethylvinyl ether		-	ug/kg		24 U	ug/kg	24	13 U	ug/kg	13	-	ug/kg	
Ethyl methacrylate		-	ug/kg		12 U	ug/kg	12	6 U	ug/kg	6	-	ug/kg	
1,2,3-Trichloropropane		-	ug/kg		12 U	ug/kg	12	6 U	ug/kg	6	-	ug/kg	
trans-1,4-Dichloro-2-butene		-	ug/kg		12 U	ug/kg	12	6 U	ug/kg	6	-	ug/kg	
Isobutyl alcohol		-	ug/kg		480 U	ug/kg	480	260 U	ug/kg	260	-	ug/kg	
1,1,1,2-Tetrachloroethane		-	ug/kg		12 U	ug/kg	12	6 U	ug/kg	6	-	ug/kg	
1,2-Dibromo-3-chloropropane		-	ug/kg		250 U	ug/kg	250	13 U	ug/kg	13	-	ug/kg	
Ethylene dibromide		-	ug/kg		12 U	ug/kg	12	6 U	ug/kg	6	-	ug/kg	
1,4-Dioxane		-	ug/kg		480 R	ug/kg	480	260 R	ug/kg	260	-	ug/kg	
3-Chloropropene		-	ug/kg		12 U	ug/kg	12	6 U	ug/kg	6	-	ug/kg	
Acetonitrile		-	ug/kg		240 U	ug/kg	240	130 U	ug/kg	130	-	ug/kg	
Chloroprene		-	ug/kg		480 U	ug/kg	480	260 U	ug/kg	260	-	ug/kg	
Methacrylonitrile		-	ug/kg		12 U	ug/kg	12	6 U	ug/kg	6	-	ug/kg	
Methyl methacrylate		-	ug/kg		24 U	ug/kg	24	13 U	ug/kg	13	-	ug/kg	
Pentachloroethane		-	ug/kg		24 U	ug/kg	24	13 UJ	ug/kg	13	-	ug/kg	
Propionitrile		-	ug/kg		240 U	ug/kg	240	130 U	ug/kg	130	-	ug/kg	
Vinyl acetate		-	ug/kg		24 U	ug/kg	24	13 U	ug/kg	13	-	ug/kg	
SEMIVOLATILES	ug/kg												
N-Nitrosodimethylamine		-	ug/kg		7200 U	ug/kg	7200	-	ug/kg		440 UJ	ug/kg	440
Phenol		-	ug/kg		7200 U	ug/kg	7200	-	ug/kg		440 UJ	ug/kg	440
Aniline		-	ug/kg		7200 UJ	ug/kg	7200	-	ug/kg		440 UJ	ug/kg	440
bis(2-Chloroethyl) ether		-	ug/kg		7200 U	ug/kg	7200	-	ug/kg		440 UJ	ug/kg	440
Benzyl Alcohol		-	ug/kg		7200 U	ug/kg	7200	-	ug/kg		440 UJ	ug/kg	440
2-Methylphenol		-	ug/kg		7200 U	ug/kg	7200	-	ug/kg		440 UJ	ug/kg	440
bis(2-Chloroisopropyl) ether		-	ug/kg		7200 UJ	ug/kg	7200	-	ug/kg		440 UJ	ug/kg	440
N-Nitroso-di-n-propylamine		-	ug/kg		7200 U	ug/kg	7200	-	ug/kg		440 UJ	ug/kg	440
Hexachloroethane		-	ug/kg		7200 U	ug/kg	7200	-	ug/kg		440 UJ	ug/kg	440
Nitrobenzene		-	ug/kg		7200 U	ug/kg	7200	-	ug/kg		440 UJ	ug/kg	440
Isophorone		-	ug/kg		7200 U	ug/kg	7200	-	ug/kg		440 UJ	ug/kg	440
2-Nitrophenol		-	ug/kg		7200 U	ug/kg	7200	-	ug/kg		440 UJ	ug/kg	440
2,4-Dimethylphenol		-	ug/kg		7200 U	ug/kg	7200	-	ug/kg		440 UJ	ug/kg	440
Benzoic acid		-	ug/kg		36000 UJ	ug/kg	36000	-	ug/kg		2200 UJ	ug/kg	2200
bis(2-Chloroethoxy) methane		-	ug/kg		7200 U	ug/kg	7200	-	ug/kg		440 UJ	ug/kg	440
2,4-Dichlorophenol		-	ug/kg		7200 U	ug/kg	7200	-	ug/kg		440 UJ	ug/kg	440
1,2,4-Trichlorobenzene		-	ug/kg		7200 U	ug/kg	7200	-	ug/kg		440 UJ	ug/kg	440
Naphthalene		-	ug/kg		7200 U	ug/kg	7200	-	ug/kg		440 UJ	ug/kg	440
4-Chloroaniline		-	ug/kg		7200 U	ug/kg	7200	-	ug/kg		440 UJ	ug/kg	440
Hexachlorobutadiene		-	ug/kg		7200 U	ug/kg	7200	-	ug/kg		440 UJ	ug/kg	440
4-Chloro-3-methylphenol		-	ug/kg		7200 U	ug/kg	7200	-	ug/kg		440 UJ	ug/kg	440
2-Methylnaphthalene		-	ug/kg		7200 U	ug/kg	7200	-	ug/kg		440 UJ	ug/kg	440
Hexachlorocyclopentadiene		-	ug/kg		7200 U	ug/kg	7200	-	ug/kg		440 UJ	ug/kg	440
2,4,6-Trichlorophenol		-	ug/kg		7200 U	ug/kg	7200	-	ug/kg		440 UJ	ug/kg	440
Dimethylphthalate		-	ug/kg		7200 U	ug/kg	7200	-	ug/kg		440 UJ	ug/kg	440
2,4,5-Trichlorophenol		-	ug/kg		36000 U	ug/kg	36000	-	ug/kg		2200 UJ	ug/kg	2200
2-Chloronaphthalene		-	ug/kg		7200 U	ug/kg	7200	-	ug/kg		440 UJ	ug/kg	440
2-Nitroaniline		-	ug/kg		36000 UJ	ug/kg	36000	-	ug/kg		2200 UJ	ug/kg	2200
Acenaphthylene		-	ug/kg		7200 U	ug/kg	7200	-	ug/kg		440 UJ	ug/kg	440
2,6-Dinitrotoluene		-	ug/kg		7200 U	ug/kg	7200	-	ug/kg		440 UJ	ug/kg	440
3-Nitroaniline		-	ug/kg		36000 U	ug/kg	36000	-	ug/kg		2200 UJ	ug/kg	2200

US Naval Station, Mayport, Florida
Analytical Results for Background Sediment Samples

Lab Sample Number:	MPTBSDDUP1				M7654010				MC040007				MC040007			
Site	BACKGROUND				BACKGROUND				GROUP I&II				GROUP I&II			
Locator	MPTBSDDUP1DL				00SD001				0BD00501				0BD00501			
Collect Date:	21-JAN-92				03-AUG-94				02-OCT-96				02-OCT-96			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Acenaphthene	-		ug/kg		7200	U	ug/kg	7200	-		ug/kg		440	UJ	ug/kg	440
2,4-Dinitrophenol	-		ug/kg		36000	U	ug/kg	36000	-		ug/kg		2200	UJ	ug/kg	2200
4-Nitrophenol	-		ug/kg		36000	U	ug/kg	36000	-		ug/kg		2200	UJ	ug/kg	2200
Dibenzofuran	-		ug/kg		7200	U	ug/kg	7200	-		ug/kg		440	UJ	ug/kg	440
2,4-Dinitrotoluene	-		ug/kg		7200	U	ug/kg	7200	-		ug/kg		440	UJ	ug/kg	440
Diethylphthalate	-		ug/kg		7200	U	ug/kg	7200	-		ug/kg		440	UJ	ug/kg	440
4-Chlorophenyl-phenylether	-		ug/kg		7200	U	ug/kg	7200	-		ug/kg		440	UJ	ug/kg	440
Fluorene	-		ug/kg		7200	U	ug/kg	7200	-		ug/kg		440	UJ	ug/kg	440
4-Nitroaniline	-		ug/kg		36000	U	ug/kg	36000	-		ug/kg		2200	UJ	ug/kg	2200
4,6-Dinitro-2-methylphenol	-		ug/kg		36000	U	ug/kg	36000	-		ug/kg		2200	UJ	ug/kg	2200
N-Nitrosodiphenylamine	-		ug/kg		7200	U	ug/kg	7200	-		ug/kg		440	UJ	ug/kg	440
1,2-Diphenylhydrazine	-		ug/kg		7200	UJ	ug/kg	7200	-		ug/kg		440	UJ	ug/kg	440
4-Bromophenyl-phenylether	-		ug/kg		7200	U	ug/kg	7200	-		ug/kg		440	UJ	ug/kg	440
Hexachlorobenzene	-		ug/kg		7200	U	ug/kg	7200	-		ug/kg		440	UJ	ug/kg	440
Pentachlorophenol	-		ug/kg		36000	U	ug/kg	36000	-		ug/kg		2200	UJ	ug/kg	2200
Phenanthrene	-		ug/kg		7200	U	ug/kg	7200	-		ug/kg		440	UJ	ug/kg	440
Anthracene	-		ug/kg		7200	U	ug/kg	7200	-		ug/kg		440	UJ	ug/kg	440
Di-n-Butylphthalate	-		ug/kg		7200	U	ug/kg	7200	-		ug/kg		440	UJ	ug/kg	440
Fluoranthene	-		ug/kg		7200	U	ug/kg	7200	-		ug/kg		440	UJ	ug/kg	440
Pyrene	-		ug/kg		7200	U	ug/kg	7200	-		ug/kg		440	UJ	ug/kg	440
Butylbenzylphthalate	-		ug/kg		7200	U	ug/kg	7200	-		ug/kg		440	UJ	ug/kg	440
3,3-Dichlorobenzidine	-		ug/kg		14000	U	ug/kg	14000	-		ug/kg		880	UJ	ug/kg	880
Benzo (a) anthracene	-		ug/kg		7200	U	ug/kg	7200	-		ug/kg		440	UJ	ug/kg	440
Chrysene	-		ug/kg		7200	U	ug/kg	7200	-		ug/kg		440	UJ	ug/kg	440
bis(2-Ethylhexyl) phthalate	-		ug/kg		7200	U	ug/kg	7200	-		ug/kg		48	J	ug/kg	440
Di-n-octylphthalate	-		ug/kg		7200	U	ug/kg	7200	-		ug/kg		440	UJ	ug/kg	440
Benzo (b) fluoranthene	-		ug/kg		7200	U	ug/kg	7200	-		ug/kg		440	UJ	ug/kg	440
Benzo (k) fluoranthene	-		ug/kg		7200	U	ug/kg	7200	-		ug/kg		440	UJ	ug/kg	440
Benzo (a) pyrene	-		ug/kg		7200	U	ug/kg	7200	-		ug/kg		440	UJ	ug/kg	440
Indeno (1,2,3-cd) pyrene	-		ug/kg		7200	U	ug/kg	7200	-		ug/kg		440	UJ	ug/kg	440
Dibenzo (a,h) anthracene	-		ug/kg		7200	U	ug/kg	7200	-		ug/kg		440	UJ	ug/kg	440
Benzo (g,h,i) perylene	-		ug/kg		7200	U	ug/kg	7200	-		ug/kg		440	UJ	ug/kg	440
2-Picoline	-		ug/kg		36000	U	ug/kg	36000	-		ug/kg		2200	UJ	ug/kg	2200
Methyl methanesulfonate	-		ug/kg		7200	U	ug/kg	7200	-		ug/kg		440	UJ	ug/kg	440
Ethyl methanesulfonate	-		ug/kg		7200	UJ	ug/kg	7200	-		ug/kg		440	UJ	ug/kg	440
Acetophenone	-		ug/kg		7200	U	ug/kg	7200	-		ug/kg		440	UJ	ug/kg	440
N-Nitrosopiperidine	-		ug/kg		7200	U	ug/kg	7200	-		ug/kg		440	UJ	ug/kg	440
Phenyl-tert-butylamine	-		ug/kg		36000	UJ	ug/kg	36000	-		ug/kg		2200	UJ	ug/kg	2200
2,6-Dichlorophenol	-		ug/kg		7200	U	ug/kg	7200	-		ug/kg		440	UJ	ug/kg	440
N-Nitroso-di-n-butylamine	-		ug/kg		7200	U	ug/kg	7200	-		ug/kg		440	UJ	ug/kg	440
N-Nitrosodiethylamine	-		ug/kg		7200	U	ug/kg	7200	-		ug/kg		440	UJ	ug/kg	440
N-Nitrosopyrrolidine	-		ug/kg		7200	U	ug/kg	7200	-		ug/kg		440	UJ	ug/kg	440
Benzidine	-		ug/kg		36000	U	ug/kg	36000	-		ug/kg		2200	UJ	ug/kg	2200
1,2,4,5-Tetrachlorobenzene	-		ug/kg		36000	U	ug/kg	36000	-		ug/kg		2200	UJ	ug/kg	2200
Pentachlorobenzene	-		ug/kg		36000	U	ug/kg	36000	-		ug/kg		2200	UJ	ug/kg	2200
1-Naphthylamine	-		ug/kg		36000	U	ug/kg	36000	-		ug/kg		2200	UJ	ug/kg	2200
2-Naphthylamine	-		ug/kg		36000	U	ug/kg	36000	-		ug/kg		2200	UJ	ug/kg	2200
2,3,4,6-Tetrachlorophenol	-		ug/kg		7200	U	ug/kg	7200	-		ug/kg		440	UJ	ug/kg	440
Phenacetin	-		ug/kg		7200	UJ	ug/kg	7200	-		ug/kg		440	UJ	ug/kg	440
4-Aminobiphenyl	-		ug/kg		36000	U	ug/kg	36000	-		ug/kg		2200	UJ	ug/kg	2200
Pentachloronitrobenzene	-		ug/kg		36000	U	ug/kg	36000	-		ug/kg		2200	UJ	ug/kg	2200
Pronamide	-		ug/kg		7200	U	ug/kg	7200	-		ug/kg		440	UJ	ug/kg	440

US Naval Station, Mayport, Florida
Analytical Results for Background Sediment Samples

Lab Sample Number:	MPTBSDDUP1				M7654010				MC040007				MC040007			
Site	BACKGROUND				BACKGROUND				GROUPI&II				GROUPI&II			
Locator	MPTBSDDUP1DL				00SD001				0BD00501				0BD00501			
Collect Date:	21-JAN-92				03-AUG-94				02-OCT-96				02-OCT-96			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
p-Dimethylaminoazobenzene	-		ug/kg		7200	U	ug/kg	7200	-		ug/kg		440	UJ	ug/kg	440
7,12-Dimethylbenz(A)Anthracene	-		ug/kg		7200	U	ug/kg	7200	-		ug/kg		440	UJ	ug/kg	440
3-Methylcholanthrene	-		ug/kg		7200	U	ug/kg	7200	-		ug/kg		440	UJ	ug/kg	440
Pyridine	-		ug/kg		36000	U	ug/kg	36000	-		ug/kg		2200	UJ	ug/kg	2200
N-Nitrosomethylethylamine	-		ug/kg		7200	U	ug/kg	7200	-		ug/kg		440	UJ	ug/kg	440
N-Nitrosomorpholine	-		ug/kg		7200	U	ug/kg	7200	-		ug/kg		440	UJ	ug/kg	440
o-Toluidine	-		ug/kg		7200	U	ug/kg	7200	-		ug/kg		440	UJ	ug/kg	440
Hexachloropropene	-		ug/kg		36000	U	ug/kg	36000	-		ug/kg		2200	UJ	ug/kg	2200
p-Phenylenediamine	-		ug/kg		360000	U	ug/kg	360000	-		ug/kg		22000	UJ	ug/kg	22000
Safrole	-		ug/kg		36000	U	ug/kg	36000	-		ug/kg		2200	UJ	ug/kg	2200
Isosafrole	-		ug/kg		36000	U	ug/kg	36000	-		ug/kg		2200	UJ	ug/kg	2200
1,4-Naphthoquinone	-		ug/kg		720000	U	ug/kg	720000	-		ug/kg		44000	UJ	ug/kg	44000
1,3-Dinitrobenzene	-		ug/kg		7200	UJ	ug/kg	7200	-		ug/kg		440	UJ	ug/kg	440
5-Nitro-o-toluidine	-		ug/kg		7200	U	ug/kg	7200	-		ug/kg		440	UJ	ug/kg	440
1,3,5-Trinitrobenzene	-		ug/kg		7200	U	ug/kg	7200	-		ug/kg		440	UJ	ug/kg	440
4-Nitroquinoline-1-oxide	-		ug/kg		360000	U	ug/kg	360000	-		ug/kg		22000	UJ	ug/kg	22000
Methapyrilene	-		ug/kg		36000	UJ	ug/kg	36000	-		ug/kg		2200	UJ	ug/kg	2200
3,3-Dimethylbenzidine	-		ug/kg		7200	U	ug/kg	7200	-		ug/kg		440	UJ	ug/kg	440
Hexachlorophene	-		ug/kg		360000	U	ug/kg	360000	-		ug/kg		22000	UJ	ug/kg	22000
Aramite	-		ug/kg		36000	U	ug/kg	36000	-		ug/kg		2200	UJ	ug/kg	2200
2-Chlorophenol	-		ug/kg		7200	U	ug/kg	7200	-		ug/kg		440	UJ	ug/kg	440
3- & 4-Methylphenol (2)	-		ug/kg		7200	U	ug/kg	7200	-		ug/kg		440	UJ	ug/kg	440
Hexachloropropene	-		ug/kg		36000	U	ug/kg	36000	-		ug/kg		2200	UJ	ug/kg	2200
2-Acetylaminofluorene	-		ug/kg		7200	U	ug/kg	7200	-		ug/kg		440	UJ	ug/kg	440
PESTICIDES/PCBs ug/kg																
alpha-BHC	3.9	U	ug/kg	3.9	1.2	U	ug/kg	1.2	1.8	U	ug/kg	1.8	-		ug/kg	
beta-BHC	7.8	U	ug/kg	7.8	2.4	U	ug/kg	2.4	3.4	U	ug/kg	3.4	-		ug/kg	
delta-BHC	3.9	U	ug/kg	3.9	1.2	U	ug/kg	1.2	1.8	U	ug/kg	1.8	-		ug/kg	
gamma-BHC (Lindane)	3.9	U	ug/kg	3.9	1.2	U	ug/kg	1.2	1.8	U	ug/kg	1.8	-		ug/kg	
Heptachlor	3.9	U	ug/kg	3.9	1.2	U	ug/kg	1.2	1.8	U	ug/kg	1.8	-		ug/kg	
Aldrin	3.9	U	ug/kg	3.9	1.2	U	ug/kg	1.2	1.8	U	ug/kg	1.8	-		ug/kg	
Heptachlor epoxide	3.9	U	ug/kg	3.9	1.2	U	ug/kg	1.2	1.8	U	ug/kg	1.8	-		ug/kg	
Endosulfan I	7.8	U	ug/kg	7.8	1.2	U	ug/kg	1.2	1.8	U	ug/kg	1.8	-		ug/kg	
Dieldrin	7.8	U	ug/kg	7.8	1.2	U	ug/kg	1.2	1.8	U	ug/kg	1.8	-		ug/kg	
4,4-DDE	7.8	U	ug/kg	7.8	1.2	U	ug/kg	1.2	1.8	U	ug/kg	1.8	-		ug/kg	
Endrin	7.8	U	ug/kg	7.8	2.4	U	ug/kg	2.4	3.4	U	ug/kg	3.4	-		ug/kg	
Endosulfan II	7.8	U	ug/kg	7.8	2.4	U	ug/kg	2.4	3.4	U	ug/kg	3.4	-		ug/kg	
4,4-DDD	7.8	U	ug/kg	7.8	2.4	U	ug/kg	2.4	3.4	U	ug/kg	3.4	-		ug/kg	
Endosulfan sulfate	7.8	U	ug/kg	7.8	2.4	U	ug/kg	2.4	3.4	U	ug/kg	3.4	-		ug/kg	
4,4-DDT	7.8	U	ug/kg	7.8	2.4	U	ug/kg	2.4	3.4	U	ug/kg	3.4	-		ug/kg	
Methoxychlor	16	U	ug/kg	16	5	U	ug/kg	5	7.1	U	ug/kg	7.1	-		ug/kg	
Endrin aldehyde	-		ug/kg		2.4	U	ug/kg	2.4	3.4	U	ug/kg	3.4	-		ug/kg	
Endrin ketone	7.8	U	ug/kg	7.8	2.4	U	ug/kg	2.4	3.4	U	ug/kg	3.4	-		ug/kg	
Chlordane	39	U	ug/kg	39	1.2	U	ug/kg	1.2	18	U	ug/kg	18	-		ug/kg	
Chlorobenzilate	20	U	ug/kg	20	36	U	ug/kg	36	53	U	ug/kg	53	-		ug/kg	
Diallate	390	U	ug/kg	390	73	U	ug/kg	73	110	U	ug/kg	110	-		ug/kg	
Toxaphene	200	U	ug/kg	200	60	U	ug/kg	60	87	U	ug/kg	87	-		ug/kg	
Isodrin	7.8	U	ug/kg	7.8	1.2	U	ug/kg	1.2	1.8	U	ug/kg	1.8	-		ug/kg	
Kepone	-		ug/kg		87	U	ug/kg	87	110	UJ	ug/kg	110	-		ug/kg	
Aroclor-1016	310	U	ug/kg	310	60	U	ug/kg	60	87	U	ug/kg	87	-		ug/kg	
Aroclor-1221	780	U	ug/kg	780	120	U	ug/kg	120	176	U	ug/kg	176	-		ug/kg	

US Naval Station, Mayport, Florida
Analytical Results for Background Sediment Samples

Lab Sample Number:		MPTBSDDUP1				M7654010				MC040007				MC040007		
Site		BACKGROUND				BACKGROUND				GROUPI&II				GROUPI&II		
Locator		MPTBSDDUP1DL				00SD001				0BD00501				0BD00501		
Collect Date:		21-JAN-92				03-AUG-94				02-OCT-96				02-OCT-96		
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Aroclor-1232		780	U	ug/kg	780	120	U	ug/kg	120	176	U	ug/kg	176	-		ug/kg	
Aroclor-1242		310	U	ug/kg	310	60	U	ug/kg	60	87	U	ug/kg	87	-		ug/kg	
Aroclor-1248		160	U	ug/kg	160	60	U	ug/kg	60	87	U	ug/kg	87	-		ug/kg	
Aroclor-1254		78	U	ug/kg	78	31	U	ug/kg	31	45	U	ug/kg	45	-		ug/kg	
Aroclor-1260		78	U	ug/kg	78	31	U	ug/kg	31	45	U	ug/kg	45	-		ug/kg	
INORGANICS (SOIL)	mg/kg																
Antimony		-		mg/kg		.94	U	mg/kg	.94	.44	U	mg/kg	.44	-		mg/kg	
Arsenic		-		mg/kg		3.6	J	mg/kg	4.2	2	U	mg/kg	2	-		mg/kg	
Barium		-		mg/kg		12.3	J	mg/kg	84	2.9	J	mg/kg	.046	-		mg/kg	
Beryllium		-		mg/kg		.47	J	mg/kg	2.1	.04	J	mg/kg	.015	-		mg/kg	
Cadmium		-		mg/kg		1.3	U	mg/kg	1.3	.43	U	mg/kg	.43	-		mg/kg	
Chromium		-		mg/kg		17.1		mg/kg	4.2	1.3	J	mg/kg	.29	-		mg/kg	
Cobalt		-		mg/kg		2.4	J	mg/kg	21	.15	J	mg/kg	.042	-		mg/kg	
Copper		-		mg/kg		7.5	J	mg/kg	10	.22	U	mg/kg	.22	-		mg/kg	
Cyanide		-		mg/kg		.07	U	mg/kg	.07	.11	UJ	mg/kg	.11	-		mg/kg	
Lead		-		mg/kg		7.7		mg/kg	1.2	2.1	U	mg/kg	2.1	-		mg/kg	
Mercury		-		mg/kg		1.1	J	mg/kg	0	.06	J	mg/kg	.0078	-		mg/kg	
Nickel		-		mg/kg		5.1	J	mg/kg	16	.16	U	mg/kg	.16	-		mg/kg	
Selenium		-		mg/kg		.56	UJ	mg/kg	.56	3.9	U	mg/kg	3.9	-		mg/kg	
Silver		-		mg/kg		.87	U	mg/kg	.87	.29	U	mg/kg	.29	-		mg/kg	
Thallium		-		mg/kg		.55	U	mg/kg	.55	.25	UJ	mg/kg	.25	-		mg/kg	
Tin		-		mg/kg		5	U	mg/kg	5	1.5	J	mg/kg	.9	-		mg/kg	
Vanadium		-		mg/kg		17	J	mg/kg	21	.96	J	mg/kg	.077	-		mg/kg	
Zinc		-		mg/kg		34.3		mg/kg	8.4	2.9		mg/kg	.12	-		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.

APPENDIX B

DATA VALIDATION SUMMARIES

Environmental Data Services, Inc.

Specializing in Laboratory Data Validation

Summary of Organic Data Validation
Pesticides/PCBs, Including Kepone

Client:	ABB Environmental Services, Inc.
Project Name:	U.S. Naval Station Mayport, Mayport, Florida
Project Number:	CTO 028
Contract Laboratory:	Quality Analytical Laboratory
SDG Number:	MP002
Purchase Order Number:	SE4-21-017
NEESA Level:	C
Data Reviewer:	Nancy Weaver
Secondary Reviewer:	Jeff Benson
Date Review Completed:	April 17, 1996

Contractor Sample Number	Laboratory Sample Number	Sample Matrix
15Y002	RB147001	Water
15R002	RB147002	Water
15S03101	RB147003	Soil
15S03701	RB147004	Soil
15S03701DL	RB147004DL	Soil
15S00701	RB147005	Soil
15S00701DL	RB147005DL	Soil
15B00702	RB147006	Soil
15B00702DL	RB147006DL	Soil
15S00501	RB147007	Soil
15S00501DL	RB147007DL	Soil
15B00502	RB147008	Soil
15B00502DL	RB147008DL	Soil
15S03801	RB147009	Soil
15S03801MS	RB147009MS	Soil
15S03801MSD	RB147009MSD	Soil
15S03801D	RB147010	Soil
15S01401	RB147011	Soil
15S01301	RB147012	Soil
15S01601	RB147013	Soil
15S01601DL	RB147013DL	Soil
15B01602	RB147014	Soil

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15B01602DL	RB147014DL	Soil
15S03401	RB147015	Soil
15S03201	RB147016	Soil
15S02301	RB147017	Soil
15B02302	RB147018	Soil
15B02302D	RB147019	Soil
15S01801	RB147020	Soil
15S03301	RB147021	Soil
15S00401	RB147022	Soil
15S03501	RB147023	Soil
15B00402	RB147024	Soil

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XI. Target Compound Identification 6

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I. Validation Procedure Summary

Data review and validation were performed in accordance with Naval Energy and Environmental Support Activity (NEESA) 20.2-047B (June 1988) using the USEPA National Functional Guidelines for Organic Data Review, (12/90, Revised 6/91) and criteria specified in the USEPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition (1986).

II. Data Deliverables

1. All required deliverables including QA/QC summary forms and all necessary raw data were present in legible form in the data package.

   Yes: __X__ No: _____

III. Technical Holding Times

Technical holding times for all samples were verified from raw data and chain of custody forms.

1. Technical holding times were within the allowable limits shown below:

   a. Water samples extracted <7 days from date of sample collection; analyzed <40 days from date of extraction.

   Yes: __X__ No: _____ N/A: _____

   b. Soil samples extracted <14 days from date of sample collection; analyzed <40 days from date of extraction.

   Yes: __X__ No: _____ N/A: _____

   Comment: Holding time criteria have been met and no action has been taken.

IV. Calibration

One hundred percent of the results on summary forms were checked to ensure that reported results met required quality control criteria.

1. Were initial calibration data reviewed and found to meet all method requirements?

   Yes: __X__ No: _____

Comment: Initial calibration criteria have been met and no action has been taken.

2. Did the pesticide standard compounds show a percent difference of the calibration factor of less than 15% of the quantitation runs and 20% for confirmation runs?

Yes: __X__ No: _____

Comment: Continuing calibration criteria have been met and no action has been taken.

3. Did the laboratory meet the pesticide linearity check criteria?

Yes: _____ No: __X__

Comment: The coefficient of determination for each calibration curve was greater than 0.995 except for kepone which had a coefficient of 0.9929 and 0.9931 on 3/28/96 and 3/29/96, respectively. All associated kepone results were qualified as estimated "UJ."

4. Were the breakdowns of both 4,4-DDT and endrin less than 20%?

Yes: __X__ No: _____

Comment: Breakdown criteria have been met and no action has been taken.

5. Were the surrogate retention time shifts within specified limits?

Yes: __X__ No: _____

The following calculations were verified for this data package:

Pest/PCBs MP002 DB-5 VAR3400 3/08/96 Technical Chlordane 23.22+23.22+23.22+23.22+ 23.22/5 = 23.22	Pest/PCBs MP002 DB-5 VAR3400 3/29/96 Technical Chlordane 0.5 Std = (Comp area/Std area) = area ratio = 473169/183232 = 2.5823	Pest/PCBs MP002 DB-5 VAR3400 3/26/96 4,4'-DDE %D = (50.94-48.76)/50.94 x 100 = 4.3%
Kepone MP002 RTX-200 VAR3600 3/28/96 Kepone = 15.50+15.47+15.46+15.45+ 15.44/5 = 15.46	Kepone MP002 RTX-200 VAR3600 3/28/96 Kepone 0.50 Std = 250718/469639 = 0.53385	Kepone MP002 RTX-200 VAR3600 3/28/96 D = (465.70- 460.20)/465.70 x 100 = 1.2%

V. Blanks

A. Laboratory Blanks

One hundred percent of the results on summary forms were checked to ensure that reported results met required quality control criteria.

1. A method blank analysis was performed for every 20 samples of a similar matrix type in each SDG.

   Yes: __X__ No: _____

2. Laboratory method blanks were found to be clean of target compound contamination at detectable concentrations.

   Yes: __X__ No: _____

3. If analytes were detected in the blanks, the associated samples were found to be free of those analytes at detectable concentrations.

   Yes: _____ No: _____ NA: __X__

   Comment: Blank criteria have been met and no action has been taken. Pesticide blanks 9WB20311, 9SB10311, 9SB20311 and kepone blanks 9WB10311, 9SB10311, and 9SB20311 were free of contamination.

B. Field Blanks

1. Field blanks were found to be clean of target compound contamination at detectable concentrations.

   Yes: __X__ No: _____ N/A: _____

2. If analytes were detected in the blanks, the associated samples were found to be free of those analytes at detectable concentrations.

   Yes: _____ No: _____ N/A: __X__

   Comment: Field blank 15Y002 and rinsate blank 15R002 were both free of contamination.

VI. Surrogate Spike Compounds

One hundred percent of the results on summary forms were checked to ensure that reported results met required quality control criteria.

1. The surrogate spike %R values were within the QC advisory limits for TCX and DCB.

   Yes: __X__ No: _____

   Comment: Due to the dilutions required for several of the samples, the surrogates were diluted out and not reported for both the pesticide/PCB and kepone analyses. No action was taken by the reviewer on this basis.

VII. Matrix Spikes/Matrix Spike Duplicates (MS/MSD)

One hundred percent of the results on the summary forms were checked to ensure that reported results met required quality control criteria.

1. For every 20 samples in an SDG, one field sample of each type was spiked for MS/MSD analysis.

   Yes: __X__ No: _____

2. MS/MSD sample I.D.: 15S03801

3. MS/MSD sample results met the criteria specified below.

   Yes: __X__ No: _____

MS/MSD Criteria

	Water		Soil/Sediment	
	%R	RPD	%R	RPD
gamma-BHC (Lindane)	56-123	15	46-127	50
Heptachlor	40-131	20	35-130	31
Aldrin	40-120	22	34-132	43
Dieldrin	52-126	18	31-134	38
Endrin	56-121	21	42-139	45
4,4'-DDT	38-127	27	23-134	50

4. 0 of 12 %R results were out of QC limits.
   0 of 6 RPD results were out of QC limits.

   Comment: MS/MSD criteria have been met and no action has been taken. MS/MSD analysis is not required for kepone analysis.

VIII. Blank Spikes

One hundred percent of the results on the summary forms were checked to ensure that reported results met required quality control criteria.

1. For every 20 samples in an SDG, one blank sample of each type was spiked for BS analysis.

   Yes: ____ No: __X__

2. Blank Spike sample I.D.: None.

3. Blank spike sample results were within acceptable QC limits.

   Yes: ____ No: ____ N/A: __X__

IX. Laboratory Control Samples (LCS)

Laboratory control charts were provided for each analysis.

1. For every batch, one LCS of each type was analyzed.

   Yes: __X__ No: ____ N/A: ____

2. LCS sample I.D.: 9WL10311, PWL21113, and 9SL10311

3. The percent recoveries for the LCS compounds were within acceptable limits.

   Yes: __X__ No: ____ N/A: ____

   Comment: The LCS' performed on 11/16/95, 3/19/96, and 3/27/96 were acceptable.

X. Field Duplicates

1. The following duplicate set was analyzed with this SDG:

   a. 15S03801 and 15S03801D
   b. 15B02302 and 15B02302D

2. Comment: There were no positive results reported for duplicate set (b). The following summarizes field duplicate results for set (a):

Compound	15S03801 ug/kg	15S03801D ug/kg	RPD
4,4'-DDE	0.83	0.70U	NC

Comment: No action is taken based on field duplicate results.

XI. Target Compound Identification

Target compound identification is not reviewed for Level C validation.

1. Sample analysis met the following criteria:

   a. The retention times of single component pesticides were within the required retention time windows on both columns.

   Yes: _____ No: _____ N/A: __X__

XII. Compound Quantitation and Reported CRQLS

Compound quanititation and reported CRQLS are not reviewed for Level C validation.

1. The lower of the two concentrations calculated from each single component pesticide is reported on Form I.

   Yes: __X__ No: _____ N/A: _____

   Comment: Several compounds exceeded the linear range of the instrument. These compounds were flagged by the laboratory "E" and further qualified by the reviewer as estimated "J." The qualified samples and associated compounds are as follows:

Sample	Compound	Qualifier
15S03701	4,4'-DDE	J
15S03701	4,4'-DDT	J
15S00701	Chlordane	J
15S01601	4,4'-DDE	J
15B01602	Beta-BHC	J
15B01602	4,4'-DDE	J
15B01602	4,4'-DDT	J

Compound	15S03801 ug/kg	15S03801D ug/kg	RPD
4,4'-DDE	0.83	0.70U	NC

Comment: No action is taken based on field duplicate results.

XI. Target Compound Identification

Target compound identification is not reviewed for Level C validation.

1. Sample analysis met the following criteria:

   a. The retention times of single component pesticides were within the required retention time windows on both columns.

   Yes: _____ No: _____ N/A: __X__

XII. Compound Quantitation and Reported CRQLS

Compound quanititation and reported CRQLS are not reviewed for Level C validation.

1. The lower of the two concentrations calculated from each single component pesticide is reported on Form I.

   Yes: __X__ No: _____ N/A: _____

   Comment: Several compounds exceeded the linear range of the instrument and were flagged by the laboratory "E" and further qualified by the reviewer as estimated "J." The diluted results should be used for reporting purposes for these compounds. The qualified samples and associated compounds are as follows:

Sample	Compound	Qualifier
15S03701	4,4'-DDE	J
15S03701	4,4'-DDT	J
15S00701	Chlordane	J
15S01601	4,4'-DDE	J
15B01602	Beta-BHC	J
15B01602	4,4'-DDE	J
15B01602	4,4'-DDT	J

2. CRQL values were adjusted to reflect all sample volumes, sample dilutions, concentrations, cleanup activities, and dry weight factors not accounted for by the method.

Yes: __X__ No: _____ N/A: _____

3. Was second column confirmation performed when compounds were detected above reporting limits?

Yes: __X__ No: _____ N/A: _____

Comment: The 25%D criteria between columns was exceeded for several compounds. These compounds were qualified as estimated "J" and are as follows:

Sample	Compound	%D
15S00701	Heptachlor Epoxide Chlordane	56 27
15B00702	Heptachlor Epoxide Delta-BHC	52 61
15S00501	Heptachlor Epoxide 4,4'-DDE 4,4'-DDT	61 41 57
15S00501DL	4,4'-DDE	41
15B00502	Heptachlor Epoxide 4,4'-DDE	27 26
15S01401	4,4'-DDE	28
15S01601	Heptachlor Epoxide 4,4'-DDE	61 27
15S01601DL	Heptachlor Epoxide	61
15B01602	Heptachlor Epoxide 4,4'-DDE Gamma-BHC	46 33 32

XIII. Overall Assessment of Data

The final validated results represent the compilation of all quality control qualification. With the exception of the quality control anomalies presented in Sections IV and XII (Calibration and Compound Quantitation) of this report and the resulting qualifiers, the analyses of environmental samples and quality control samples are valid within the constraints identified with the data quality flags.

Organic Data Qualifiers

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

N - The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification."

NJ - The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

UJ - The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

R - The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

Environmental Data Services, Inc.

Specializing in Laboratory Data Validation

Summary of Organic Data Validation
Pesticides/PCBs, Including Kepone

Client:	ABB Environmental Services, Inc.
Project Name:	U.S. Naval Station Mayport, Mayport, Florida
Project Number:	CTO 028
Contract Laboratory:	Quality Analytical Laboratory
SDG Number:	MP001
Purchase Order Number:	SE4-21-017
NEESA Level:	C
Data Reviewer:	Nancy Weaver
Secondary Reviewer:	Linda Harding
Date Review Completed:	January 16, 1996

Contractor Sample Number	Laboratory Sample Number	Sample Matrix
15S03101	RA781001	Soil
15S01601	RA781002	Soil
15S01601DL	RA781002DL	Soil
15S03401	RA781003	Soil
15S03501	RA781004	Soil
15S03201	RA781005	Soil
15S03201MS	RA781005MS	Soil
15S03201MSD	RA781005MSD	Soil
15S03201D	RA781006	Soil
15S03301	RA781007	Soil
15S02301	RA781008	Soil
15S02302	RA781009	Soil
15Y001	RA781010	Water
15R001	RA781011	Water

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Organic Data Qualifiers 8

I. Validation Procedure Summary

Data review and validation were performed in accordance with Naval Energy and Environmental Support Activity (NEESA) 20.2-047B (June 1988) using the USEPA National Functional Guidelines for Organic Data Review, (12/90, Revised 6/91) and criteria specified in the USEPA Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW-846, 3rd Edition (1986).

II. Data Deliverables

1. All required deliverables including QA/QC summary forms and all necessary raw data were present in legible form in the data package.

   Yes: __X__ No: _____

III. Technical Holding Times

Technical holding times for all samples were verified from raw data and chain of custody forms.

1. Technical holding times were within the allowable limits shown below:

   a. Water samples extracted <7 days from date of sample collection; analyzed <40 days from date of extraction.

   Yes: __X__ No: _____ N/A: _____

   b. Soil samples extracted <14 days from date of sample collection; analyzed <40 days from date of extraction.

   Yes: __X__ No: _____ N/A: _____

   Comment: Holding time criteria have been met and no action has been taken.

IV. Calibration

One hundred percent of the results on summary forms were checked to ensure that reported results met required quality control criteria.

1. Were initial calibration data reviewed and found to meet all method requirements?

   Yes: __X__ No: _____

Comment: Initial calibration criteria have been met and no action has been taken.

2. Did the pesticide standard compounds show a percent difference of the calibration factor of less than 15% of the quantitation runs and 20% for confirmation runs?

Yes: _____ No: __X__

Comment: Continuing calibration results which did not meet %D criteria are listed below:

Pesticide/PCB Continuing Calibration Summary Table SDG No. MP001							
CCAL Date and Time	Affected Analyte	%D	Affected Sample	Lab Conc ug/kg	Lab Qual	EDS Conc ug/kg	EDS Qual
12/28/95 03:54	Chlorobenzilate	15.2	None-Acceptable on the secondary column				
12/28/95 22:13	Chlorobenzilate	15.7	None-Acceptable on the secondary column				
01/02/96 09:49	Endosulfan Sulfate	15.9	None-Acceptable on the primary column				

3. Did the laboratory meet the pesticide linearity check criteria?

Yes: _____ No: __X__

Comment: The coefficient of determination for each calibration curve was greater than 0.995 except DCB during the kepone analysis which had a coefficient of 0.9946. Since DCB is a surrogate compound no further action was taken.

4. Were the breakdowns of both 4,4-DDT and endrin less than 20%?

Yes: __X__ No: _____

Comment: Breakdown criteria have been met and no action has been taken.

5. Were the surrogate retention time shifts within specified limits?

Yes: _____ No: __X__

Comment: The retention times were outside of the daily retention time window for the surrogate TCX as well as alpha-BHC, beta-BHC, and delta-BHC. Since the surrogates and samples immediately following were within the

retention time windows for both surrogates and target analytes, and the continuing calibration analyzed following these samples were also acceptable, no further action was taken by the reviewer.

The following calculations were verified for this data package:

Pest/PCBs MP001 DB-5 VAR3400 12/4/95 Aroclor 1260 30.97+30.98+30.98+30.97+ 30.97/5 = 30.97	Pest/PCBs MP001 DB-1701 VAR3400 12/8/95 Alpha-BHC 0.05 Std = (Comp area/Std area) = area ratio = 179265/136021 = 1.3179	Pest/PCBs MP001 DB-5 VAR3400 12/27/95 4,4'-DDE %D = (50.60-47.56)/50.60 x 100 = 6.0%
Kepone MP001 RTX-200 VAR3600 12/27/95 Kepone = 15.39+15.37+15.37+15.37+ 15.39/5 = 15.38	Kepone MP001 RTX-200 VAR3600 12/27/95 Kepone 0.50 Std = 205743/378392 = 0.54373	Kepone MP001 RTX-200 VAR3600 12/27/95 D = (517.20-471.20)/517.20 x 100 = 8.9%

V. Blanks

A. Laboratory Blanks

One hundred percent of the results on summary forms were checked to ensure that reported results met required quality control criteria.

1. A method blank analysis was performed for every 20 samples of a similar matrix type in each SDG.

   Yes: __X__ No: _____

2. Laboratory method blanks were found to be clean of target compound contamination at detectable concentrations.

   Yes: __X__ No: _____

3. If analytes were detected in the blanks, the associated samples were found to be free of those analytes at detectable concentrations.

   Yes: _____ No: _____ NA: __X__

   Comment: Blank criteria have been met and no action has been taken. Pesticide and kepone blanks 9WB11219 and 9SB11219 were free of contamination.

B. Field Blanks

1. Field blanks were found to be clean of target compound contamination at detectable concentrations.

   Yes: __X__ No: _____ N/A: _____

2. If analytes were detected in the blanks, the associated samples were found to be free of those analytes at detectable concentrations.

   Yes: _____ No: _____ N/A: __X__

   Comment: Field blank 15Y001 and rinsate blank 15R001 were both free of contamination.

VI. Surrogate Spike Compounds

One hundred percent of the results on summary forms were checked to ensure that reported results met required quality control criteria.

1. The surrogate spike %R values were within the QC advisory limits for TCX and DCB.

   Yes: _____ No: __X__

   Comment: For the Pest/PCB analyses, samples 15S03401 and 15S03501 exhibited a high surrogate recovery for TCX of 227% and 365%, respectively. All associated positive results were qualified as estimated "J" for these samples.

VII. Matrix Spikes/Matrix Spike Duplicates (MS/MSD)

One hundred percent of the results on the summary forms were checked to ensure that reported results met required quality control criteria.

1. For every 20 samples in an SDG, one field sample of each type was spiked for MS/MSD analysis.

   Yes: __X__ No: _____

2. MS/MSD sample I.D.: 15S03201

3. MS/MSD sample results met the criteria specified below.

Yes: __X__ No: _____

MS/MSD Criteria

	Water		Soil/Sediment	
	%R	RPD	%R	RPD
gamma-BHC (Lindane)	56-123	15	46-127	50
Heptachlor	40-131	20	35-130	31
Aldrin	40-120	22	34-132	43
Dieldrin	52-126	18	31-134	38
Endrin	56-121	21	42-139	45
4,4'-DDT	38-127	27	23-134	50

4. 0 of 12 %R results were out of QC limits.
0 of 6 RPD results were out of QC limits.

Comment: MS/MSD criteria have been met and no action has been taken. MS/MSD analysis is not required for kepone analysis.

VIII. Blank Spikes

One hundred percent of the results on the summary forms were checked to ensure that reported results met required quality control criteria.

1. For every 20 samples in an SDG, one blank sample of each type was spiked for BS analysis.

Yes: _____ No: __X__

2. Blank Spike sample I.D.: None.

3. Blank spike sample results were within acceptable QC limits.

Yes: _____ No: _____ N/A: __X__

IX. Laboratory Control Samples (LCS)

Laboratory control charts were provided for each analysis.

1. For every batch, one LCS of each type was analyzed.

Yes: __X__ No: _____ N/A: _____

2. LCS sample I.D.: PWL11228, PWL21113, 9SL11218

3. The percent recoveries for the LCS compounds were within acceptable limits.

Yes: __X__ No: _____ N/A: _____

Comment: The LCS' performed on 11/16/95, 1/4/96, 1/4/96 were acceptable.

X. Field Duplicates

1. The following duplicate set was analyzed with this SDG:

a. 15S03201 and 15S03201D

2. Comment: The following summarizes field duplicate results:

Compound	15S03201	15S03201D	RPD
4,4'-DDE	14 ug/kg	62 ug/kg	126
4,4'-DDT	7.0 ug/kg	20 ug/kg	96

Comment: No action is taken based on field duplicate results.

XI. Target Compound Identification

Target compound identification is not reviewed for Level C validation.

1. Sample analysis met the following criteria:

a. The retention times of single component pesticides were within the required retention time windows on both columns.

Yes: _____ No: _____ N/A: __X__

XII. Compound Quantitation and Reported CRQLS

Compound quanititation and reported CRQLS are not reviewed for Level C validation.

1. The lower of the two concentrations calculated from each single component pesticide is reported on Form I.

Yes: __X__ No: _____ N/A: _____

Comment: Several compounds exceeded the linear range of the instrument for sample 15S01601. These compounds were flagged by the laboratory "E" and further qualified by the reviewer as estimated "J." The diluted results should be used for reporting purposes for these compounds.

2. CRQL values were adjusted to reflect all sample volumes, sample dilutions, concentrations, cleanup activities, and dry weight factors not accounted for by the method.

Yes: __X__ No: _____ N/A: _____

3. Was second column confirmation performed when compounds were detected above reporting limits?

Yes: __X__ No: _____ N/A: _____

Comment: The 25%D criteria between columns was exceeded for sample 15S01601 for two compounds; beta-BHC and heptachlor. Both compounds were qualified as estimated "J." In addition, 4,4'-DDT and 4,4'-DDE exceeded the 25%D criteria for samples 15S03301 and 15S02301, respectively. These compounds were also qualified as estimated "J."

XIII. Overall Assessment of Data

The final validated results represent the compilation of all quality control qualification. With the exception of the quality control anomalies presented in Sections VI and XII (Surrogates and Compound Quantitation) of this report and the resulting qualifiers, the analyses of environmental samples and quality control samples are valid within the constraints identified with the data quality flags.

Organic Data Qualifiers

U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.

J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

N - The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification."

NJ - The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

UJ - The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

R - The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

APPENDIX C

BACKGROUND ANALYTICAL DATA

Table C-1
Water Quality Parameters Measured in Background Surface Water Samples

Interim Measures Performance Specifications
Group I, SWMUs 4, 49, and 50
U.S. Naval Station
Mayport, Florida

Analytical Batch Number:	35170	01529	M7656	MC015	35170	35170
Sample Location:	MPT-B-SW04	MPT-B-SW05	MPT-B-SW05	MPT-B-SW05	MPT-B-SW06	MPT-B-SW07
Sample Number:	MPTBSW4	MPTBSW5	00SW001	0BW005	MPTBSW6	MPTBSW7
Date Sampled:	17-FEB-93	18-FEB-93	3-AUG-94	2-OCT-96	17-FEB-93	17-FEB-93
Field Measurements						
Temperature (°C)	NM	NM	27	26.7	NM	NM
pH (standard units)	NM	NM	NM	8.4	NM	NM
Specific conductivity (μho/cm)	NM	NM	27,500	45.3	NM	NM
Salinity (°/₀₀)	NM	NM	16	2.95	NM	NM
Dissolved oxygen (mg/ℓ)	NM	NM	3.6	5.26	NM	NM
Laboratory Measurements (mg/ℓ)						
Alkalinity as $CaCO_3$	82	116	88	104	265	163
Ammonia-N	--	--	--	0.4	--	--
Chloride	8,340	8,680	11,500	14,900	5,160	710
Hardness as $CaCO_3$	2,800	2,630	3,370	4,940	2,150	423
Phosphorous-P, total	0.09	0.17	--	0.07	0.4	1.41
Sulfate	1,160	1,100	1,320	1,880	857	130
Total dissolved solids	18,600	14,400	--	25,800	10,500	1,550
Total Kjeldahl nitrogen	0.61	15.8	0.3	0.4	1.06	1.3
Total organic carbon	10.8	12.8	--	6	13	21.6

Notes: SWMU = Solid Waste Management Unit.
°C = degrees Celsius.
NM = not measured.
μmho/cm = micromhos per centimeter.
°/₀₀ = parts per thousand.
mg/ℓ = milligrams per liter.
$CaCO^3$ = calcium carbonate.
-- = concentration of analyte, if present, was less than detection limit.

Table C-2
Organic and Inorganic Analytes Detected in Background Surface Water Samples (Unfiltered)

Interim Measures Performance Specifications
Group I, SWMUs 4, 49, and 50
U. S. Naval Station
Mayport, Florida

Analytical Batch Number:	20723	20723	20723	20723	01528	01529
Sample Location:	MPT-B-SW01	MPT-B-SW02	MPT-B-SW03	MPT-B-SW03	MPT-B-SW04	MPT-B-SW05
Sample Number:	MPT-B-SW-1	MPT-B-SW-2	MPT-B-SW-3	MPTBSW3DUP	MPTBSW4	MPTBSW5
Date Sampled:	21-JAN-92	21-JAN-92	21-JAN-92	21-FEB-92	17-FEB-93	18-FEB-93
Volatile Organic Compounds (µg/ℓ)						
1,2-Dibromo-3-chloropropane	--	--	--	--	--	--
Semivolatile Organic Compounds (µg/ℓ)						
2-Acetylaminofluorene	--	--	--	--	--	10
bis(2-Ethylhexyl)phthalate	--	3 J	--	--	--	--
Inorganic Analytes (µg/ℓ)						
Antimony	--	--	57.5 J	--	--	--
Arsenic	1.2 J	0.86 J	1.2 J	1.4 J	--	3.8 J
Barium	11.1 J	12.3 J	15.4 J	15.4 J	11.7 J	10.6 J
Cadmium	--	--	--	2.4 J	--	--
Calcium	--	--	--	--	168,000 J	166,000 J
Chromium	--	--	--	4 J	--	--
Cobalt	--	5.6 J	9.7 J	9.7 J	--	--
Copper	--	37.2	2.4 J	--	--	2.4 J
Iron	--	--	--	--	435	--
Lead	1.3 J	--	0.91 J	1.5 J	--	--
Magnesium	--	--	--	--	490,000	453,000 J
Manganese	--	--	--	--	10.4 J	23.7
Nickel	--	--	--	--	--	13.0 J
Selenium	2.6 J	--	1.8 J	--	--	--

See notes at end of table.

Table C-2 (Continued)
Organic and Inorganic Analytes Detected in Background Surface Water Samples (Unfiltered)

Interim Measures Performance Specifications
Group I, SWMUs 4, 49, and 50
U. S. Naval Station
Mayport, Florida

Analytical Batch Number:	20723	20723	20723	20723	01528	01529
Sample Location:	MPT-B-SW01	MPT-B-SW02	MPT-B-SW03	MPT-B-SW03	MPT-B-SW04	MPT-B-SW05
Sample Number:	MPT-B-SW-1	MPT-B-SW-2	MPT-B-SW-3	MPTBSW3DUP	MPTBSW4	MPTBSW5
Date Sampled:	21-JAN-92	21-JAN-92	21-JAN-92	21-FEB-92	17-FEB-93	18-FEB-93
Inorganic Analytes (µg/ℓ) (continued)						
Sodium	--	--	--	--	--	--
Thallium	--	--	--	--	--	73.7 J
Tin	--	--	--	--	--	776
Vanadium	3.6 J	--	--	--	4.5 J	5.0 J
Zinc	--	--	--	--	--	--
Cyanide	3 J	--	--	--	--	--

See notes at end of table.

Table C-2 (Continued)
Organic and Inorganic Analytes Detected in Background Surface Water Samples (Unfiltered)

Interim Measures Performance Specifications
Group I, SWMUs 4, 49, and 50
U. S. Naval Station
Mayport, Florida

Analytical Batch Number:	M7654	MC014	01528	01528	01528
Sample Location:	MPT-B-SW05	MPT-B-SW05	MPT-B-SW06	MPT-B-SW07	MPT-B-SW07
Sample Number:	00SW001	0BW005	MPTBSW6	MPTBSW7	MTPBSW7DUP
Date Sampled:	03-AUG-94	02-OCT-96	17-FEB-93	17-FEB-93	17-FEB-93
Volatile Organic Compounds (µg/ℓ)					
1,2-Dibromo-3-chloropropane	--	--	10 J	10 J	10 J
Semivolatile Organic Compounds (µg/ℓ)					
2-Acetylaminofluorene	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	1 J	--	--	--	--
Inorganic Analytes (µg/ℓ)					
Antimony	--	--	--	--	--
Arsenic	--	--	8.1 J	--	--
Barium	10.9 J	12.6 J	11.6 J	6.8 J	7.6 J
Cadmium	--	--	--	--	--
Calcium	--	--	159,000 J	71,600 J	71,100 J
Chromium	--	--	--	--	--
Cobalt	--	--	--	--	--
Copper	--	--	155	--	--
Iron	--	--	435	92.5 J	85.7 J
Lead	--	--	--	--	--
Magnesium	--	--	345,000	54,600	54,000
Manganese	--	--	36.5	94	98.7
Nickel	--	--	--	--	--
Selenium	13.7	--	--	--	--

See notes at end of table.

Table C-2 (Continued)
Organic and Inorganic Analytes Detected in Background Surface Water Samples (Unfiltered)

Interim Measures Performance Specifications
Group I, SWMUs 4, 49, and 50
U. S. Naval Station
Mayport, Florida

Analytical Batch Number:	M7654	MC014	01528	01528	01528
Sample Location:	MPT-B-SW05	MPT-B-SW05	MPT-B-SW06	MPT-B-SW07	MPT-B-SW07
Sample Number:	00SW001	0BW005	MPTBSW6	MPTBSW7	MTPBSW7DUP
Date Sampled:	03-AUG-94	02-OCT-96	17-FEB-93	17-FEB-93	17-FEB-93
Inorganic Analytes (µg/ℓ) (continued)					
Sodium	--	--	--	386,000	380,000
Thallium	1.8 J	--	--	--	--
Tin	--	--	--	--	--
Vanadium	3.4 J	3.3 J	5.2 J	3.5 J	--
Zinc	--	--	--	--	3.2 J
Cyanide	0.92 J	2.4 J	--	--	--

Notes: SWMU = Solid Waste Management Unit.
µg/ℓ = milligrams per liter.
-- = concentration of analyte, if present, was less than detection limit.
J = estimated value.

Table C-3
Summary of Chemicals Detected in Background Surface Water Samples (Unfiltered)

Interim Measures Performance Specifications
Group I SWMUs 4, 49, and 50
U.S. Naval Station
Mayport, Florida

Analyte	Frequency of Detection[1]	Reporting Limit Range	Detected Concentration Range	Mean of Detected Concentration[2]	Background Screening Concentration[3]	Florida Surface Water Quality Standards (Class III Freshwater)[4]	Frequency Above Florida Surface Water Quality Standards[5]	USEPA Surface Water Chronic Screening Value (Freshwater)[6]	Frequency Above USEPA Surface Water Chronic Screening Value[7]
Volatile Organic Compounds (µg/ℓ)									
1,2-Dibromo-3-chloropropane	2/9	10	10	10	10	NSC	NSC	NSC	NSC
Semivolatile Organic Compounds (µg/ℓ)									
2-Acetylaminofluorene	1/9	10	10	10	10	NSC	NSC	NSC	NSC
bis(2-Ethylhexyl)phthalate	2/9	1 to 3	10 - 40	2	2	[8]3.0	1/9	[10]0.3	2/9
Inorganic Analytes (µg/ℓ)									
Antimony	1/9	[9]38.8	3.1 to 40	38.8	77.6	4,300	0/9	160	0/9
Arsenic	5/9	0.86 to 8.1	0.9 to 6.9	3.1	6.2	50	0/9	190	0/9
Barium	9/9	[9]7.2 to [9]15.4	NA	11.5	23	[10]2,000	0/9	NSC	NSC
Cadmium	1/9	[9]1.6	0.46 to 4	1.6	3.2	[11]3.37	0/9	[11]3.37	0/9
Calcium	4/4	[9]71,350 to 168,000	NA	141,088	282,176	NSC	NSC	NSC	NSC
Chromium	1/9	[9]2.5	0.34 to 2.4	2.5	5	[11]644	0/9	[11]644	0/9
Cobalt	2/9	5.6 to [9]9.7	0.32 to 5.1	7.7	15.4	NSC	NSC	NSC	NSC
Copper	3/9	[9]1.5 to 37.2	0.7 to 29.5	13.7	27.4	[11]38.7	0/9	[11]38.7	0/9
Iron	3/4	[9]89.1 to 435	187	226	452	1,000	0/9	NSC	NSC
Lead	2/9	[9]1.2 to 1.3	0.78 to 2.6	1.3	2.6	[11]18.6	0/9	[11]18.6	0/9
Magnesium	4/4	[9]54,300 to 490,000	NA	335,575	671,150	NSC	NSC	NSC	NSC

See notes at end of table.

Table C-3 (Continued)
Summary of Chemicals Detected in Background Surface Water Samples (Unfiltered)

Interim Measures Performance Specifications
Group I SWMUs 4, 49, and 50
U.S. Naval Station
Mayport, Florida

Analyte	Frequency of Detection[1]	Reporting Limit Range	Detected Concentration Range	Mean of Detected Concentration[2]	Background Screening Concentration[3]	Florida Surface Water Quality Standards (Class III Freshwater)[4]	Frequency Above Florida Surface Water Quality Standards[5]	USEPA Surface Water Chronic Screening Value (Freshwater)[6]	Frequency Above USEPA Surface Water Chronic Screening Value[7]
Inorganic Analytes (µg/ℓ) (continued)									
Manganese	4/4	10.4 to [9]96.3	NA	41.7	83.4	NSC	NSC	NSC	NSC
Nickel	1/9	13	1.2 to 19.8	13	26	[11]509	0/9	[11]509	0/9
Selenium	3/9	[9]1.2 to 13.7	0.65 to 10.6	5.8	11.6	5	1/9	5	1/9
Sodium	1/4	[9]383,000	55.6	383,000	766,000	NSC	NSC	NSC	NSC
Thallium	2/9	1.8 to 73.3	1.4 to 1.9	37.8	75.6	63	1/9	4	1/9
Tin	1/9	776	6.8 to 208	776	1,552	[11]4,200	0/9	[11]4,200	0/9
Vanadium	7/9	[9]2.3 to 5.2	1.1 to 2.7	3.9	7.8	[11]49	0/9	[11]49	0/9
Zinc	1/9	[9]2	0.8 to 26.8	2	4	[11]343	0/9	[11]343	0/9
Cyanide	3/9	0.92 to 3	1.8 to 3	2.1	4.2	5.2	0/9	5.2	0/9

See notes at end of table.

Table C-3 (Continued)
Summary of Chemicals Detected in Background Surface Water Samples (Unfiltered)

Interim Measures Performance Specifications
Group I SWMUs 4, 49, and 50
U.S. Naval Station
Mayport, Florida

[1] Frequency of detection is the number of environmental samples in which the analyte was detected over the total number of environmental samples analyzed (excluding rejected values). An environmental sample and duplicate were considered one sample.
[2] The mean of detected concentrations is the arithmetic mean of all samples in which the analyte was detected. It does not include those samples with "R", "U", or "UJ" validation qualifiers.
[3] 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. The average detected organic values are provided for comparison purposes only.
[4] Values are from Florida Surface Water Quality Standards (Florida Administration Code [FAC] 62-302) (Florida Department of Environmental Protection [FDEP], 1995). Values from FDEP Groundwater Guidance Concentrations (FDEP, 1994) are used as surrogate comparison values whenever the Surface Water Quality Standards do not contain a value for a specific analyte detected.
[5] The number of samples in which the analyte was detected at a concentration above both the background screening concentration (for inorganics only) and the Florida Surface Water Quality Standards (FAC 62-302) over the total number of samples in which the sample was detected.
[6] Values are from USEPA Region IV Supplemental Guidance to Risk Assessment Guidance for Superfund (RAGS): Ecological Risk Assessment (USEPA, 1995).
[7] The number of samples in which the analyte was detected at a concentration above both the background screening concentration (for inorganics only) and the USEPA Region IV Supplemental Guidance to RAGS: Ecological Risk Assessment (USEPA, 1995) over the total number of samples in which the sample was detected.
[8] Value is based on phthalate esters.
[9] The value is the average of a sample and its duplicate. For duplicate samples having one nondetect value, one-half of the contract-required quantification limit/contract-required detection limit is used as a surrogate concentration for the nondetect concentration.
[10] Value is from FDEP Groundwater Guidance Concentrations (FDEP, 1994).
[11] Value is a hardness-based criterion. The criterion and calculation are presented in Appendix C.

Notes: Background samples: 00SW001, 0BW005, MPT-B-SW-1, MPT-B-SW-2, MPT-B-SW-3, MPTBSW4, MPTBSW5, MPTBSW6, and MPTBSW7.
Background sample duplicates: MPT-B-SW-1D and MPTBSW7D.
The average of a background sample and its duplicate is used in all calculations.

SWMU = Solid Waste Management Unit.
USEPA = U.S. Environmental Protection Agency.
$\mu g/\ell$ = micrograms per liter.
NSC = no screening concentration available.
NA = not applicable.

Table C-4
Organic and Inorganic Analytes Detected in Background Sediment Samples

Interim Measures Performance Specifications
Group I, SWMUs 4, 49, and 50
U. S. Naval Station
Mayport, Florida

Analytical Batch Number:	20723	20723	20723	20723	01528	01529
Sample Location:	MPT-B-SD01	MPT-B-SD02	MPT-B-SD03	MPT-B-SD03	MPT-B-SD04	MPT-B-SD05
Sample Number:	MPT-B-SD-1	MPT-B-SD-2	MPT-B-SD-3	MPTBSD3DUP	MPTBSD4	MPTBSD5
Date Sampled:	21-JAN-92	21-JAN-92	21-JAN-92	21-JAN-92	17-FEB-93	18-FEB-93
Volatile Organic Compounds (µg/kg)						
Carbon disulfide	--	--	83	19	--	--
Toluene	--	3 J	--	--	--	--
Semivolatile Organic Compounds (µg/kg)						
Di-n-Butylphthalate	--	54 J	70 J	71 J	--	--
bis(2-Ethylhexyl)phthalate	--	--	260 J	--	--	--
Pyrene	--	--	--	--	--	--
Pesticide Compounds (µg/kg)						
4,4-DDD	--	--	--	--	--	--
4,4-DDE	3	--	--	--	--	--
4,4-DDT	0.8 J	--	--	--	--	--
Inorganic Analytes (mg/kg)						
Arsenic	0.68 J	--	4.2 J	6.6	--	1.3 J
Barium	3.6 J	7.4 J	16.1 J	15.2 J	6.5 J	4.7 J
Beryllium	--	--	--	--	--	--
Cadmium	--	--	0.82 J	--	--	--
Chromium	2.5 J	4.4	28.1	26.6	1.3 J	2.4 J
Cobalt	--	--	--	--	--	--
Copper	2 J	2.3 J	3.1 J	3.5 J	--	5 J
Lead	3.4	3	8.5	10	--	1.5 J
Mercury	--	--	--	--	--	--

See notes at end of table.

Table C-4 (Continued)
Organic and Inorganic Analytes Detected in Background Sediment Samples

Interim Measures Performance Specifications
Group I, SWMUs 4, 49, and 50
U. S. Naval Station
Mayport, Florida

Analytical Batch Number:	20723	20723	20723	20723	01528	01529
Sample Location:	MPT-B-SD01	MPT-B-SD02	MPT-B-SD03	MPT-B-SD03	MPT-B-SD04	MPT-B-SD05
Sample Number:	MPT-B-SD-1	MPT-B-SD-2	MPT-B-SD-3	MPTBSD3DUP	MPTBSD4	MPTBSD5
Date Sampled:	21-JAN-92	21-JAN-92	21-JAN-92	21-JAN-92	17-FEB-93	18-FEB-93
Inorganic Analytes (mg/kg) (continued)						
Nickel	--	5.5 J	7.1 J	6.4 J	--	--
Selenium	0.39 J	0.32 J	0.52 J	0.62 J	0.71 J	--
Thallium	--	--	--	--	--	--
Tin	--	--	--	--	--	12.3 J
Vanadium	2.2 J	3.7 J	28.4	26.2	1.6 J	1.8 J
Zinc	7.7	6.1	26.7	32.1	3 J	2.1 J

See notes at end of table.

Table C-4 (Continued)
Organic and Inorganic Analytes Detected in Background Sediment Samples

Interim Measures Performance Specifications
Group I, SWMUs 4, 49, and 50
U. S. Naval Station
Mayport, Florida

Analytical Batch Number:	M7654	MC014	01528	01528	01528
Sample Location:	MPT-B-SD05	MPT-B-SD05	MPT-B-SD06	MPT-B-SD07	MPT-B-SD07
Sample Number:	00SD001	0BD005	MPTBSD6	MPTBSD7	MTPBSD7DUP
Date Sampled:	03-AUG-94	02-OCT-96	17-FEB-93	17-FEB-93	17-FEB-93
Volatile Organic Compounds (µg/kg)					
Carbon disulfide	--	--	--	--	--
Toluene	--	--	--	--	--
Semivolatile Organic Compounds (µg/kg)					
Di-n-Butylphthalate	--	--	7.9	--	--
bis(2-Ethylhexyl)phthalate	--	48 J	--	140 J	200 J
Pyrene	--	--	4.2	99 J	--
Pesticide Compounds (µg/kg)					
4,4-DDD	--	--	--	--	--
4,4-DDE	--	--	7.9	--	--
4,4-DDT	--	--	4.2	--	--
Inorganic Analytes (mg/kg)					
Arsenic	3.6 J	--	--	--	--
Barium	12.3 J	2.9 J	4.4 J	4 J	4 J
Beryllium	0.47 J	0.04 J	--	--	0.1 J
Cadmium	--	--	--	--	--
Chromium	17.1	1.3 J	3.1	3	2.8
Cobalt	2.4 J	0.15 J	--	--	--
Copper	7.5 J	--	2.6 J	0.88 J	0.88 J
Lead	7.7	--	--	3.1	2.5

See notes at end of table.

Table C-4 (Continued)
Organic and Inorganic Analytes Detected in Background Sediment Samples

Interim Measures Performance Specifications
Group I, SWMUs 4, 49, and 50
U. S. Naval Station
Mayport, Florida

Analytical Batch Number:	M7654	MC014	01528	01528	01528
Sample Location:	MPT-B-SD05	MPT-B-SD05	MPT-B-SD06	MPT-B-SD07	MPT-B-SD07
Sample Number:	00SD001	0BD005	MPTBSD6	MPTBSD7	MTPBSD7DUP
Date Sampled:	03-AUG-94	02-OCT-96	17-FEB-93	17-FEB-93	17-FEB-93
Inorganic Analytes (mg/kg) (continued)					
Mercury	1.1 J	0.06 J	0.24 J	0.22 J	--
Nickel	5.1 J	--	--	--	--
Selenium	--	--	0.81 J	0.65 J	--
Thallium	--	--	--	0.88 J	--
Tin	--	1.5 J	--	--	--
Vanadium	17 J	0.96 J	3.3 J	2.7 J	2.2 J
Zinc	34.3	2.9	11.6 J	9.5 J	7.9 J

Notes: SWMU = Solid Waste Management Unit.
µg/kg = micrograms per kilogram.
-- = concentration of analyte, if present, was less than detection limit.
J = estimated value.
DDD = dichlorodiphenyldichloroethane.
DDE = dichlorodiphenyldichloroethene.
DDT = dichlorodiphenyltrichloroethane.
mg/kg = milligrams per kilogram.

Table C-5
Summary of Chemicals Detected in Background Sediment Samples

Interim Measures Performance Specifications
Group I, SWMUs 4, 49, and 50
U.S. Naval Station
Mayport, Florida

Analyte	Frequency of Detection[1]	Reporting Limit Range	Detected Concentration Range	Mean of Detected Concentrations[2]	Background Screening Concentration[3]	Florida Sediment Quality Assessment Guidelines[4]	Frequency Above Sediment Quality Assessment Guidelines[5]	USEPA Sediment Screening Values[6]	Frequency Above Sediment Screening Values[7]
Volatile Organic Compounds (µg/kg)									
Carbon disulfide	1/9	[8]51	6 to 12	51	51	NSC	NSC	NSC	NSC
Toluene	1/9	3	6 to 15	3	3	NSC	NSC	NSC	NSC
Semivolatile Organic Compounds (µg/kg)									
Di-n-butylphthalate	2/9	54 to [8]70	410 to 7,200	62.3	62.3	NSC	NSC	NSC	NSC
bis(2-Ethylhexyl)phthalate	3/9	48 to [8]292	45 to 7,200	170	170	182	1/9	182	1/9
Pyrene	1/9	[8]282	410 to 7,200	282	282	153	1/9	153	1/9
Pesticide Compounds (µg/kg)									
4,4-DDD	1/9	4.2	1 to 4.5	4.2	4.2	1.22	1/9	1.22	1/9
4,4-DDE	2/9	3 to 7.9	0.7 to 4.5	5.5	5.5	2.07	2/9	2.07	2/9
4,4-DDT	1/9	0.8	1 to 4.5	0.8	0.8	1.19	0/9	1.19	0/9
Inorganic Analytes (mg/kg)									
Arsenic	4/9	0.68 to [8]5.4	0.01 to 2	2.7	5.4	7.24	0/9	7.24	0/9
Barium	9/9	2.9 to [8]15.6	NA	6.8	13.6	NSC	NSC	NSC	NSC
Beryllium	3/9	0.04 to 0.47	0.04 to 0.565	0.19	0.38	NSC	NSC	NSC	NSC
Cadmium	1/9	[8]0.57	0.33 to 1.3	0.57	1.14	0.676	0/9	0.676	0/9
Chromium	9/9	1.3 to [8]27.3	NA	6.9	13.8	52.3	0/9	52.3	0/9
Cobalt	2/9	0.15 to 2.4	0.56 to 5.65	1.3	2.6	NSC	NSC	NSC	NSC

See notes at end of table.

Table C-5 (Continued)
Summary of Chemicals Detected in Background Sediment Samples

Interim Measures Performance Specifications
Group I, SWMUs 4, 49, and 50
U.S. Naval Station
Mayport, Florida

Analyte	Frequency of Detection[1]	Reporting Limit Range	Detected Concentration Range	Mean of Detected Concentrations[2]	Background Screening Concentration[3]	Florida Sediment Quality Assessment Guidelines[4]	Frequency Above Sediment Quality Assessment Guidelines[5]	USEPA Sediment Screening Values[6]	Frequency Above Sediment Screening Values[7]
Inorganic Analytes (mg/kg) (continued)									
Copper	7/9	[8]0.88 to 7.5	0.22 to 0.43	3.4	6.8	18.7	0/9	18.7	0/9
Lead	6/9	1.5 to [8]9.25	0.2 to 2.1	4.6	9.2	30.2	0/9	30.2	0/9
Mercury	4/9	0.06 to 1.1	0.02 to 0.24	0.38	0.76	0.13	3/9	0.13	3/9
Nickel	3/9	[8]5.1 to 6.7	0.16 to 3.6	5.8	11.6	15.9	0/9	15.9	0/9
Selenium	6/9	0.32 to 0.81	0.3 to 3.9	0.55	1.1	NSC	NSC	NSC	NSC
Thallium	1/9	[8]0.62	0.25 to 0.74	0.62	1.24	NSC	NSC	NSC	NSC
Tin	2/9	1.5 to 12.3	5 to 90.1	6.9	13.8	NSC	NSC	NSC	NSC
Vanadium	9/9	0.96 to [8]27.3	NA	6.7	13.4	NSC	NSC	NSC	NSC
Zinc	9/9	2.1 to 34.3	NA	11.8	23.6	124	0/9	124	0/9

See notes at end of table.

Table C-5 (Continued)
Summary of Chemicals Detected in Background Sediment Samples

Interim Measures Performance Specifications
Group I, SWMUs 4, 49, and 50
U.S. Naval Station
Mayport, Florida

[1] Frequency of detection is the number of environmental samples in which the analyte was detected over the total number of environmental samples analyzed (excluding rejected values). An environmental sample and duplicate were considered one sample.
[2] The mean of detected concentrations is the arithmetic mean of all samples in which the analyte was detected. It does not include those samples with "R", "U", or "UJ" validation qualifiers.
[3] 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. Average detected organic concentration values are provided for comparison purposes only.
[4] Values are from " Approach to the Assessment of Sediment Quality in Florida Coastal Waters." (MacDonald Environmental Services, 1994).
[5] Frequency of detection is the number of samples in which the analyte was detected at a concentration exceeding both the background screening concentration (for inorganics only) and the value reported in "Assessment of Sediment Quality in Florida Coastal Waters." (MacDonald Environmental Services, 1994).
[6] Values are the "effects values" provided in USEPA Region IV Supplemental Guidance to Risk Assessment Guidance for Superfund (RAGS). (USEPA, 1995).
[7] Frequency of detection is the number of samples in which the analyte was detected at a concentration exceeding both the background screening concentration (for inorganics only) and the value reported in USEPA Region IV Supplemental Guidance to RAGS. (USEPA, 1995).
[8] The value is the average of a sample and its duplicate. For duplicate samples having one nondetect value, one-half of the contract-required quantification limit/contract-required detection limit is used as a surrogate concentration for the nondetect concentration.

Notes: Background samples: 00SD001, 0BD00501, MPT-B-SD-1, MPT-B-SD-2, MPT-B-SD-3, MPTBSD4, MPTBSD5, MPTBSD6, and MPTBSD7. Analytical results are provided in Table B-4.
Background sample duplicate: MPT-B-SD-3D and MPTBSD7D.
The average of a background sample and its duplicate, if collected, is used in all calculations.

SWMU = Solid Waste Management Unit.
USEPA = U.S. Environmental Protection Agency.
μg/kg = micrograms per kilogram.
NSC = no screening concentration available.
DDD = dichlorodiphenyldichloroethane.
DDE = dichlorodiphenyldichloroethene.
DDT = dichlorodiphenyltrichloroethane.
mg/kg = milligrams per kilograms.
NA = not applicable.

APPENDIX D

SURFACE WATER HARDNESS-BASED CRITERIA

Table D-1
Federal Surface Water Toxics Criteria[1] for Hardness Dependent Metals

Interim Measures Performance Specifications
Group I SWMUs 4, 49 and 50
U.S. Naval Station
Mayport, Florida

Analyte	Hardness[2]	Acute Calculation[3]	CMC Value[4]	Chronic Calculation[3]	CCC Value[4]
Cadmium	256	$e^{[1.128*(LN(hardness))-3.828]} * ACF$	10.2	$e^{[0.7852(Ln(hardness))-3.49]} * CCF$	2.06
Chromium III	256	$e^{[0.819*(LN(hardness))+3.688]} * 0.316$	1,185	$e^{[0.819*(LN(hardness))+1.561]} * 0.86$	384
Copper	256	$e^{[0.9422*(LN(hardness))-1.464]} * 0.96$	41.3	$e^{[0.8545*(LN(hardness))-1.465]} * 0.96$	25.3
Lead	256	$e^{[1.273*(LN(hardness))-1.46]} * ACF$	244	$e^{[1.273*(LN(hardness))-4.705]} * CCF$	9.2
Nickel	256	$e^{[0.846*(LN(hardness))+3.3812]} * 0.998$	3,135	$e^{[0.846*(LN(hardness))+1.1645]} * 0.997$	348
Silver	256	$e^{[1.72*(LN(hardness))-6.52]} * 0.85$	17.4	NA	NA
Zinc	256	$e^{[0.8473*(LN(hardness))+0.8604]} * 0.978$	254	$e^{[0.8473(Ln(hardness))+0.7614]} * 0.986$	232

Calculation of the Acute Conversion Factor (ACF) and Chronic Conversion Factor (CCF) for the CMC and CCC[3]

Analyte	CMC ACF Equation	CMC ACF Value[4]	CCC CCF Equation	CCC CCF Value[4]
Cadmium	(1.136672)-((LN(Hardness))*0.041	0.905	(1.101672)-((LN(Hardness))*0.041	0.870
Lead	(1.46203)-((LN(Hardness))*0.1457	0.654	(1.46203)-((LN(Hardness))*0.1457	0.654

1 Hardness dependent equations and values are from 40 Code of Federal Regulation (CFR) 131.36, July 1997. The toxic criteria are for those States that have not established surface water standards equal to or more stringent than the Federal standards.

2 Federal regulations have established minimum and maximum default hardness values of 25 and 400 milligrams per liter (mg/l), respectively, as total $CaCO^3$.

3 Except for cadmium and lead, the Freshwater ACF and CCF values are from 40 CFR 131.36(2). Cadmium and lead acute (ACF) and chronic (CCF) conversion factors are hardness dependent and calculated in accordance with 40 CFR 131.36(2).

4 Concentration in mg/l.

Notes:

CMC = Criteria Maximum Concentration.
CCC = Criteria Continuous Concentration.
e = Exponential function.
LN = Natural Log function.
NA = No hardness specific calculation established.

Table D-2

Florida Surface Water Toxics Criteria[1] for Hardness Dependent Metals and pH Dependent Organics

Interim Measures Preformance Specifications
Group I SWMUs 4, 49 and 50
U.S. Naval Station
Mayport, Florida

Analyte	Hardness[2]	Florida Class I Calculation[1]	Value[3]	Florida Class III (Freshwater) Calculation[1]	Value[3]
Cadmium	256	$e^{[0.7852(Ln(hardness))-3.49]}$	2.37	$e^{[0.7852(Ln(hardness))-3.49]}$	2.37
Chromium III	256	$e^{[0.819*(LN(hardness))+1.561]}$	447	$e^{[0.819*(LN(hardness))+1.561]}$	447
Copper	256	$e^{[0.8545*(LN(hardness))-1.465]}$	26.4	$e^{[0.8545*(LN(hardness))-1.465]}$	26.4
Lead	256	$e^{[1.273*(LN(hardness))-4.705]}$	10.5	$e^{[1.273*(LN(hardness))-4.705]}$	10.5
Nickel	256	$e^{[0.846*(LN(hardness))+1.1645]}$	349	$e^{[0.846*(LN(hardness))+1.1645]}$	349
Silver		NA		NA	NA
Zinc	256	$e^{[0.8473(Ln(hardness))+0.7614]}$	235	$e^{[0.8473(Ln(hardness))+0.7614]}$	235
	pH[4]				
Pentachlorophenol	9	$e^{[1.005*(pH)-4.883]}$	67.7	$e^{[1.005*(pH)-5.29]}$	42.7

1 Equations and values are from Florida Administrative Code 62-302, December, 1996.
2 Florida regulations have established minimum and maxium default hardness values of 25 and 400 milligrams per liter (mg/l), respectively, as total $CaCO^3$.
3 Concentration in mg/l.
4 pH in Standard Units.

Notes:
e = Exponential function.
LN = Natural Log function.
NA = No hardness specific calculation established.

Table D-3
Federal Surface Water Toxics Criteria[1] for Hardness Dependent Metals

Interim Measures Performance Specifications
Group I SWMUs 4, 49 and 50
U.S. Naval Station
Mayport, Florida

Analyte	Hardness[2]	Acute Calculation[3]	CMC Value[4]	Chronic Calculation[3]	CCC Value[4]
Cadmium	400	$e^{[1.128*(LN(hardness))-3.828]} * ACF$	16.6	$e^{[0.7852(Ln(hardness))-3.49]} * CCF$	2.87
Chromium III	400	$e^{[0.819*(LN(hardness))+3.688]} * 0.316$	1,708	$e^{[0.819*(LN(hardness))+1.561]} * 0.86$	554
Copper	400	$e^{[0.9422*(LN(hardness))-1.464]} * 0.96$	62.8	$e^{[0.8545*(LN(hardness))-1.465]} * 0.96$	37.1
Lead	400	$e^{[1.273*(LN(hardness))-1.46]} * ACF$	422	$e^{[1.273*(LN(hardness))-4.705]} * CCF$	15.8
Nickel	400	$e^{[0.846*(LN(hardness))+3.3612]} * 0.998$	4,573	$e^{[0.846*(LN(hardness))+1.1645]} * 0.997$	508
Silver	400	$e^{[1.72*(LN(hardness))-6.52]} * 0.85$	37.4	NA	NA
Zinc	400	$e^{[0.8473*(LN(hardness))+0.8604]} * 0.978$	370	$e^{[0.8473(Ln(hardness))+0.7614]} * 0.986$	338

Calculation of the Acute Conversion Factor (ACF) and Chronic Conversion Factor (CCF) for the CMC and CCC[3]

Analyte	CMC ACF Equation	CMC ACF Value[4]	CCC CCF Equation	CCC CCF Value[4]
Cadmium	(1.136672)-((LN(Hardness))*0.0	0.886	(1.101672)-((LN(Hardness))*0.0	0.851
Lead	(1.46203)-((LN(Hardness))*0.14	0.589	(1.46203)-((LN(Hardness))*0.14	0.589

1 Hardness dependent equations and values are from 40 Code of Federal Regulation (CFR) 131.36, July 1997. The toxic criteria are for those States that have not established surface water standards equal to or more stringent than the Federal standards.

2 Federal regulations have established minimum and maximum default hardness values of 25 and 400 milligrams per liter (mg/l), respectively, as total $CaCO^3$.

3 Except for cadmium and lead, the Freshwater ACF and CCF values are from 40 CFR 131.36(2). Cadmium and lead acute (ACF) and chronic (CCF) conversion factors are hardness dependent and calculated in accordance with 40 CFR 131.36(2).

4 Concentration in mg/l.

Notes:

CMC = Criteria Maximum Concentration.
CCC = Criteria Continuous Concentration.
e = Exponential function.
LN = Natural Log function.
NA = No hardness specific calculation established.

Table D-4

Florida Surface Water Toxics Criteria[1] for Hardness Dependent Metals and pH Dependent Organics

Interim Measures Preformance Specifications
Group I SWMUs 4, 49 and 50
U.S. Naval Station
Mayport, Florida

Analyte	Hardness[2]	Florida Class I Calculation[1]	Value[3]	Florida Class III (Freshwater) Calculation[1]	Value[3]
Cadmium	400	$e^{[0.7852(Ln(hardness))-3.49]}$	3.37	$e^{[0.7852(Ln(hardness))-3.49]}$	3.37
Chromium III	400	$e^{[0.819*(LN(hardness))+1.561]}$	644	$e^{[0.819*(LN(hardness))+1.561]}$	644
Copper	400	$e^{[0.8545*(LN(hardness))-1.465]}$	38.7	$e^{[0.8545*(LN(hardness))-1.465]}$	38.7
Lead	400	$e^{[1.273*(LN(hardness))-4.705]}$	18.6	$e^{[1.273*(LN(hardness))-4.705]}$	18.6
Nickel	400	$e^{[0.846*(LN(hardness))+1.1645]}$	509	$e^{[0.846*(LN(hardness))+1.1645]}$	509
Silver		NA		NA	NA
Zinc	400	$e^{[0.8473(Ln(hardness))+0.7614]}$	343	$e^{[0.8473(Ln(hardness))+0.7614]}$	343
	pH[4]				
Pentachlorophenol	9	$e^{[1.005*(pH)-4.883]}$	67.7	$e^{[1.005*(pH)-5.29]}$	42.7

1 Equations and values are from Florida Administrative Code 62-302, December, 1996.
2 Florida regulations have established minimum and maxium default hardness values of 25 and 400 milligrams per liter (mg/l), respectively, as total $CaCO^3$.
3 Concentration in mg/l.
4 pH in Standard Units.

Notes:
e = Exponential function.
LN = Natural Log function.
NA = No hardness specific calculation established.

APPENDIX E

BIOLOGICAL TESTING REPORT

Springborn Laboratories, Inc.
Health and Environmental Sciences
Headquarters: 790 Main Street • Wareham, MA • 02571-1075 • Phone: (508) 295-2550 • Fax: (508) 295-8107

6 November 1996

Richard Stephens
ABB Environmental Services, Inc.
2590 Executive Center Circle East, Berkeley Building
Tallahassee, Florida 32301-5001

RE: Draft Report for ABB Mayport Naval Station Project

Dear Richard:

Enclosed please find one copy of the draft report for ABB Mayport Naval Station Project. After you have had the chance to review the draft report, please let me know if you have any questions or comments concerning the report.

Sincerely,

SPRINGBORN LABORATORIES INC.

Arthur E. Putt
Environmental Toxicologist

Enclosure

cc: R.Biever

Other Locations: 640 N. Elizabeth Street • Spencerville, Ohio 45887-0143 • Phone: (419) 647-4196 • Fax: (419) 647-6560
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Springborn Laboratories

TOXICITY EVALUATION OF SEDIMENT WITH *Hyalella azteca* AND *Ampelisca abdita* FOR ABB ENVIRONMETNAL SERVICES, INC

STUDY SPONSOR:
ABB Environmental Services, Inc.
2590 Executive Center Circle East, Berkeley Building
Tallahassee, Florida 32301-5001

SLI Report # 96-10-6748
SLI Study # 13109.6134

PROGRAM MANAGER : Ronald C. Biever
STUDY DIRECTOR: Arthur E. Putt

Springborn Laboratories, Inc.
Environmental Sciences Division
790 Main Street
Wareham, Massachusetts 02571

November 6, 1996

DRAFT REPORT

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1.0 INTRODUCTION

Decisions regarding the need for remediation and efficacy, of remedial alternatives at sites containing waste materials, often depend on information concerning the environmental risks posed by conditions at the site. As part of the Comprehensive Environmental Response Compensation and Liability Act (CERCLA), remedial alternatives or removal actions for hazardous waste sites should include an environmental impact study. An essential part of the environmental impact study is the assessment of the degree and spatial extent of contamination in sediments and/or soils at the site.

In recognition of these concerns, ABB Environmental Services, Inc. in Tallahassee, Florida included a battery of screening evaluation assays with benthic organisms as a part of the environmental impact study. The toxicity of the bulk sediment samples was measured using epibenthic and benthic organisms, *Hyalella azteca* and *Ampelisca abdita*, respectively.

The objective of this testing program was to evaluate the toxicity of contaminated bulk sediments from eighteen sites. All biological testing was conducted at Springborn Laboratories, Inc., Wareham, Massachusetts. All original raw data from the biological testing and a copy of the final report produced during this study were archived at Springborn. The original final report was shipped to ABB Environmental Services, Inc. in Tallahassee, Florida.

2.0 MATERIALS AND METHODS

2.1 Test Samples

Approximately 4 liters of sediment from each location was collected by ABB Environmental Services, Inc personnel. The eighteen samples were identified as: 49D01801, 49D01901, 49D02001, 50D01301, 49D02101, 04D00101, 04D00102, 04D00202, 02D02001, 50D01401, 02D03301, 02D02801, 0BD00501, 02D02601, 02D03401, 02D03101, 02D03901 and 02D03801. The samples were received at Springborn between 27 September and 8 October

1996. Upon receipt at Springborn, a small aliquot (i.e., 50 mL) of each sediment sample was centrifuged at 3000 RPM for 15 minutes. The resulting pore water was then decanted and salinity was measured. Samples identified as 04D00101, 04D00102, 04D00202, 49D01801, 49D01901, 49D02001, 49D02101, 02D03901 and 02D03101 had measured pore water salinities ranging from 3-10‰ and were tested with *H. azteca* at a salinity of 5‰. Samples identified as 0BD00501, 02D02801, 50D01401, 02D02001, 02D03801, 02D02601 and 02D03401 had measured pore water salinities ranging from 15 to 22‰ and were tested with *A. abdita* at 18‰. The remaining samples, identified as 50D01301 and 02D03301 had measured pore water salinities of 25 and 26‰, respectively, and were tested with *A. abdita* at 32‰. Any samples that were not immediately tested were stored refrigerated at approximately 4 ± 2°C. Refrigerated samples were warmed to room temperature before use in the toxicity tests. In addition, a reference control sediment, consisting of silica sand, kaolin clay and finely ground sphagnum peat moss was prepared and used as a reference control sediment for the *H. azteca*. The reference control sediment for the *A. abdita* tests was collected from Narrow river, Narragansett, Rhode Island.

2.2 Testing Water

Overlying water for the *H. azteca* testing consisted of laboratory water diluted with natural filtered seawater to a salinity of 5‰. The laboratory water was well water which had been supplemented with untreated water from the Town of Wareham, Massachusetts. The laboratory water generally had a total hardness of 20 to 40 mg/L as $CaCO_3$, a pH range of 6.9 to 7.5, a salinity of 0‰ and a specific conductivity within the range of 80 to 150 μmhos/cm.

Overlying water used for the *A. abdita* testing consisted of natural filtered seawater from the Cape Cod Canal. The water was filtered through a 20-μm and 5-μm polypropylene core filter and heated to the required test temperature. Natural values for the seawater are a pH range of 7.5 to 8.2 and a salinity range of 29 to 35‰. Sediment samples with pore water salinities of ≥25‰ were tested with unadulterated natural filtered seawater. The remaining samples were tested with natural filtered seawater, diluted with laboratory water to a salinity of 18‰.

2.3 Monitoring Environmental Conditions of the Test Systems

Dissolved oxygen concentrations were measured using a Yellow Springs Instrument (YSI) Model #57 dissolved oxygen meter and probe; pH was measured with a Hanna Instruments Model #HI9024 pH meter and combination electrode; salinity was measured using an Atago Refractometer; and temperature was measured with an alcohol thermometer. Total ammonia concentration was measured using an Orion SA 720 Ionanalyzer (APHA *et. al.*, 1985). The temperature of the waterbath containing the exposure vessels was continuously monitored throughout the study using a Fisher Min/Max thermometer. Light intensity was measured with a General Electric type 217 light meter.

2.4 Acute Toxicity Test with *Hyalella azteca*

2.4.1 Test Method and Conduct

To test all *H. azteca* samples within two weeks of collection of each sediment sample, the samples were divided into two testing groups. The first group of test organisms were placed in the exposure vessels containing the sediment and clean laboratory water (salinity of 5‰) on 8 October and the second group on 9 October 1996. Both groups were incubated under standard conditions until 18 October and 19 October 1996, respectively (10 days). After the exposure, the surviving organisms were counted. Sediment toxicity was estimated by comparing the response of exposed organisms in the test sediment with the Springborn control sediment. Procedures used in the acute toxicity test with amphipods followed those described in the Springborn test method entitled "10-Day Acute Toxicity Test with *Hyallela azteca* to Meet U.S. EPA Guidelines", Springborn Laboratories test method #SED-Ha-121a. The procedures described in this test method generally meet the standard procedures described in the *Methods for Measuring the Toxicity and Bioaccumulation of Sediment-Associated Contaminants with Freshwater Invertebrates* (U.S. EPA, 1994a) and *Standard Test Methods for Measuring the Toxicity and Bioaccumulation of Sediment-Associated Contaminants with Freshwater Invertebrates* (ASTM, 1996a). A copy of the test method is an attachment to this report.

2.4.2 Test Organism

On 30 September and 1 October 1996, 400 and 700 amphipods (≤24 hours old), respectively, were removed from the isolated adult amphipods. One hundred amphipods were added to a 1-L beaker, each containing 900 mL of fortified laboratory water, and were aerated with oil-free aeration. Every other day, 50% of the culture water was siphoned and replaced with overlying test water (salinity of 5‰) to acclimate the amphipods to test conditions. Each beaker contained Nitex® screen as an artificial substrate. Each beaker was fed 5.0 mL of a combination of yeast, Cerophyl®, and trout chow suspension (YCT), and 5.0 mL *Selenastrum capricornutum*, every other day. Eight hundred and eighty amphipods (8 to 9 days old) from this population were used to initiate the study.

2.4.3 Test Procedures

Eight replicate test vessels (300-mL glass beakers) were maintained for each sediment sample and control. Each vessel contained 100 mL of sediment and 175 mL of laboratory water. The resultant sediment layer in each test vessel was 2 cm deep. Each sediment was tested as 100% with no dilutions. The test systems with sediment and water were allowed to settle for 1 hour prior to starting the water renewal system, which ran overnight before initiating the test. The test was initiated when ten amphipods were impartially selected and introduced to each test vessel.

The test was conducted in a temperature controlled water bath designed to maintain the temperature of the test solutions at 23 ± 1 °C. The test area had a photoperiod of 16 hours of light and 8 hours of darkness, with a light intensity range of 50 to 100 footcandles. Lighting was provided by Sylvania Growlux® and Cool White® fluorescent bulbs.

The overlying water was renewed by adding two volume additions (350 mL total) per day, using an intermittent delivery system in combination with a calibrated water-delivery system (Zumwalt *et al.*, 1994). The intermittent delivery system was calibrated to provide 1 liter of water per cycle to the water-distribution system, which subsequently provided 50 mL of water per cycle

to each replicate test chamber. The water delivery system cycled seven times per day, providing two volumes additions every 24 hours. The delivery of two volume replacements over a 24-hour period was sufficient to provide consistent and acceptable water quality characteristics throughout the duration of the 10-day exposure without the use of aeration. The amphipods were fed daily 1.5 mL of YCT, per test vessel.

Total ammonia was determined at test initiation and test termination in the overlying water from a composite sample of all replicate vessels. The composite sample was taken from 1 to 2 cm from the sediment surface using a pipet. Dissolved oxygen, pH, salinity and temperature were measured in all replicate vessels at test initiation and test termination. Dissolved oxygen, pH, salinity and temperature were monitored daily in one alternating replicate vessel during the course of the study. Temperature extremes were recorded daily from readings of a minimum/maximum thermometer placed in the water bath. At test initiation and at each subsequent 24-hour interval, biological observations and the physical characteristics of the test solutions were observed and recorded.

Survival was determined at test termination by sieving the sediment from each replicate test vessel to remove the amphipods for observation.

2.4.4 Deviations to the Test Method

There were no deviations to the test method.

2.5 Acute Toxicity Test with *Ampelisca abdita*

2.5.1 Test Method and Conduct

Based on the measured pore water salinities of test samples, two test groups, one at 18‰ and the other at 32‰ were established. Test organisms were placed in the exposure vessels containing the sediment and clean laboratory water on 9 October 1996 and were incubated under standard conditions until 19 October 1996 (10 days). After the exposure, the surviving organisms were counted. Sediment toxicity was estimated by comparing the response

of exposed organisms in the test sediment with the Springborn control sediment. Procedures used in the acute toxicity test with amphipods followed those described in the Springborn test method entitled "10-Day Acute Toxicity Test with Marine Amphipods (*Ampelisca abdita)* to Meet U.S. EPA Guidelines", Springborn Laboratories test method #SED-Aa-131. The procedures described in this test method generally meet the standard procedures described in the *Methods for Assessing the Toxicity of Sediment-Associated Contaminants with Estuarine and Marine Amphipods* (U.S. EPA, 1994b) and *Standard Guide for Conducting 10-day Static Sediment Toxicity Tests with Marine and Estuarine Amphipods* (ASTM, 1996b). A copy of the test method is an attachment to this report.

2.5.2 Test Organism

On 4 October 1996, 1700 amphipods (sized for testing, >0.71 mm and < 1.18 mm), were received from East Coast Amphipod, a commercial supplier of marine amphipods. Approximately three hundred and fifty amphipods were received in five 1 gallon vessels, each containing a 2 cm layer of sediment and approximately 3.0 liters of seawater. All five vessels were placed in a water bath at the same temperature as the overlying water (i.e., 15 °C), which was measured upon receipt. All vessels were acclimated to test temperature (i.e., 20 °C) by increasing the temperature by not more than 2 °C per day. During the holding period, each vessel was fed 100 mL of *Skeletonema sp.* (1.0×10^7 cells/mL) per day. One of the culture vessels was maintained at a salinity of 32 ‰ and the remaining four were acclimated to a salinity of 18‰. Eight hundred and eighty amphipods from this population were used to initiate the study.

2.5.3 Test Procedures

Four replicate test vessels (1000-mL glass beakers) were maintained for each sediment sample and control. Each vessel contained 175 mL of sediment and 800 mL of natural filtered seawater. The resultant sediment layer in each test vessel was 2 cm deep. Each sediment was tested as 100% with no dilutions. The test vessels with sediment and water were allowed to settle overnight before initiating the test. The test was initiated when twenty amphipods were impartially selected and introduced to each test vessel.

The test was conducted in a temperature controlled water bath designed to maintain the temperature of the test solutions at 20 ± 1 °C. The test area continuously illuminated (24 hours of light), with a light intensity range of 60 to 80 footcandles. Lighting was provided by Sylvania Cool White® and Duro-Test Vitalite® fluorescent bulbs.

The each test vessel was covered with a plastic plate and the overlying water was aerated gently throughout the 10-day exposure. The amphipods were not fed during the 10-day exposure.

Total ammonia was determined at test initiation and test termination in the overlying water from a composite sample of all replicate vessels. The composite sample was taken from 1 to 2 cm from the sediment surface using a pipet. Dissolved oxygen, pH, salinity and temperature were measured in all replicate vessels at test initiation and test termination. Dissolved oxygen, pH, salinity and temperature were monitored daily in one alternating replicate vessel during the course of the study. Temperature extremes were recorded daily from readings of a minimum/maximum thermometer placed in the water bath. At test initiation and at each subsequent 24-hour interval, biological observations and the physical characteristics of the test solutions were observed and recorded.

Survival was determined at test termination by sieving the sediment from each replicate test vessel to remove the amphipods for observation.

2.5.4 Deviations to the Test Method

There were no deviations to the test method.

2.6 Statistical Analysis

The mean amphipod survival from each test sediment and reference control sample were tested for normality and homogeneity of variance using Shapiro-Wilks Test and BaF Test. The amphipod data (both *H. azteca* and *A. abdita*) passed the two tests and then the Students t-Test

was used to evaluate the results of the mean survival of each test sample for significant adverse effects.

3.0 RESULTS AND DISCUSSION

3.1 *Hyalella azteca* Toxicity Tests

3.1.1 Water Quality

A summary of the Day 0 and Day 10 water quality characteristics of overlying water during the 10-day subchronic tests with *Hyalella azteca* are presented in Table 1. Water quality remained acceptable through the 10 day exposure period. Dissolved oxygen concentrations were generally greater than 5.5 mg/L throughout the study in all exposure vessels. The lowest observed dissolved oxygen concentration was 4.7 mg/L, safely above the 40% saturation concentrations of 3.4 to 3.5 mg/L for temperatures between 22 and 24° C.

3.1.2 Survival of *Hyalella azteca*

A summary of the *Hyalella azteca* survival during the 10-day subchronic tests are presented in Table 2. The mean percent Control survival in both groups 1 and 2 were 96%. The mean percent survival in all samples tested ranged from 88 to 100% and was not significantly reduced compared to the control survival.

3.2 *Ampelisca abdita* Toxicity Tests

3.1.1 Water Quality

A summary of the Day 0 and Day 10 water quality characteristics of overlying water during the 10-day subchronic tests with *Ampelisca abdita* are presented in Table 3. Water quality remained acceptable through the 10 day exposure period. Dissolved oxygen concentrations were generally greater than 5.5 mg/L through the study in all exposure vessels. The lowest observed dissolved oxygen concentration was 5.1mg/L, safely above the 60% saturation concentrations of 4.5 to 4.9 mg/L for temperatures and salinities between 19 and 21° C and 18 and 32‰.

3.1.2 Survival of *Ampelisca abdita*

A summary of the *Ampelisca abdita* survival during the 10-day subchronic tests is presented in Table 4. The mean percent Control survival of the 18 and 32‰ groups was 91 and 95%, respectively. The mean percent survival in samples 0BD00501, 02D02801, 02D03801, 02D02601 and 02D03401 (79, 63, 73, 79 and 54%, respectively) was significantly less than the control survival (91%) at a salinity of 18‰. The mean percent survival in samples 50D01301 and 02D03301 (44 and 63%, respectively) was significantly less than the control survival (95%) at a salinity of 32‰.

3.3 Summary

Control organism survival both the *H. azteca* and *A. abdita* studies were well within the range of acceptance criteria. The survival effects seen in the *H. azteca* and *A. abdita* exposures are thus reliable.

4.0 REFERENCES

APHA, AWWA, WPCF. 1985. *Standard Methods for the Examination of Water and Wastewater.* 16th Edition, Washington, DC, 1268 pp.

ASTM. 1996a. *Standard Test Methods for Measuring the Toxicity of Sediment-Associated Contaminants with Freshwater Invertebrates.* American Society for Testing and Materials. West Conshohocken, PA. Volume 11.05. Designation E 1706-95b. pp. 1176-1258.

ASTM. 1996b. *Standard Guide for Conducting 10-day Static Sediment Toxicity Tests with Marine and Estuarine Amphipods.* American Society for Testing and Materials. West Conshohocken, PA. Volume 11.05. Designation E 1367-92. pp. 769-794.

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Zumwalt, D.C., F.J. Dwyer, I.E. Greer, and C.G. Ingersoll. 1994. A water-renewal system that accurately delivers small volumes of water to exposure chambers. *Environmental Toxicology and Chemistry*. 13:1311-1314.

5.0 TABLES

Table 1. Water quality summary for the *Hyalella azteca* 10 day exposures.

Group #1: conducted 8 to 18 October 1996.

Sample	Dissolved Oxygen (mg/L)		pH		Salinity (‰)		Ammonia as N (mg/L)	
I.D.	Day 0	Day 10	Day 0	Day 10	Day 0	Day 10	Day 0	Day 10
Control	8.2-8.9	7.3-8.1	7.4	7.2	5	5	0.37	0.54
04D00101	7.6-8.1	6.5-7.5	7.4	7.5-7.7	5	5	0.90	0.49
04D00202	7.8-8.1	6.8-7.1	7.4-7.5	7.3-7.4	5	5	0.89	0.29
04D00102	8.0-8.3	7.4-7.9	7.4-7.5	7.5	5	5	0.84	0.18
49D01801	8.3-8.5	7.3-7.9	7.5-7.6	7.2-7.3	5	5	0.88	0.38
49D01901	7.5-8.1	6.6-7.6	7.3-7.4	7.4	5	5	0.94	0.53
49D02001	7.8-8.3	6.8-7.6	7.5	7.2-7.3	5	5	0.89	0.45
49D02101	7.9-8.1	6.3-7.9	7.4-7.5	7.4-7.5	5	5	0.92	0.13

Group #2: conducted 9 to 19 October 1996.

Sample	Dissolved Oxygen (mg/L)		pH		Salinity (‰)		Ammonia as N (mg/L)	
I.D.	Day 0	Day 10	Day 0	Day 10	Day 0	Day 10	Day 0	Day 10
Control	8.2-8.4	7.8-8.4	7.6	7.4-7.5	5	5	0.40	<0.50
02D03901	7.7-8.3	7.7-8.1	7.7	7.7-7.9	5	5	0.88	<0.50
02D03101	7.2-8.2	7.7-8.1	7.6-7.7	7.6	5	5	0.71	<0.50

Table 2. Summary of the survival of *Hyalella azteca* after a 10 exposure.

Group #1: conducted 8 to 18 October 1996

Sample Identification	Mean Percent Survival (Standard Deviation)
Control	96(5)
04D00101	94(7)
04D00202	95(5)
04D00102	98(5)
49D01801	93(7)
49D01901	88(16)
49D02001	100(0)
49D02101	94(7)

Group #2: conducted 9 to 19 October 1996

Sample Identification	Mean Percent Survival (Standard Deviation)
Control	96(7)
02D03901	95(5)
02D03101	98(5)

Table 3. Water quality summary for the *Ampelisca abdita* 10 day exposures.

Group #1: conducted 8 to 18 October 1996 at a salinity of 18‰.

Sample	Dissolved Oxygen (mg/L)		pH		Salinity (‰)		Ammonia as N (mg/L)	
I.D.	Day 0	Day 10	Day 0	Day 10	Day 0	Day 10	Day 0	Day 10
Control	7.6-7.9	8.1-8.2	7.9	8.5-8.6	19	21	1.4	9.7
0BD00501	7.9-8.0	8.3-8.4	7.8	7.9-8.0	19	20	<0.50	<0.50
02D02801	6.8-7.2	8.1-8.4	7.7-7.8	8.1-8.3	18	19	3.4	<0.50
50D01401	7.3-7.7	8.1-8.2	7.8-8.0	7.9-8.1	18	20	2.5	2.1
02D02001	6.3-7.3	8.1-8.3	8.0-8.1	8.4-8.5	18	20	3.5	7.0
02D03801	7.6-7.8	8.2-8.3	7.9-8.1	8.4-8.5	19	20-21	2.9	<0.50
02D02601	6.0-7.3	8.0-8.2	8.0-8.1	8.9-9.0	19	20	1.1	<0.50
02D03401	6.3-7.0	8.2-8.3	7.7-8.1	8.3-8.5	19	20	4.3	9.0

Group #2: conducted 9 to 19 October 1996 at a salinity of 32‰.

Sample	Dissolved Oxygen (mg/L)		pH		Salinity (‰)		Ammonia as N (mg/L)	
I.D.	Day 0	Day 10	Day 0	Day 10	Day 0	Day 10	Day 0	Day 10
Control	6.4-7.1	7.3-7.4	7.8-8.0	8.2-8.3	31	32	3.4	10
50D01301	6.5-7.0	7.6	7.8-7.9	8.3-8.4	31	32	4.7	12
02D03301	5.1-6.3	7.0-7.4	7.4-7.8	8.3-8.4	31	31	4.2	10

Table 4. Summary of the survival of *Ampelisca abdita* after a 10 exposure.

Group #1: conducted 9 to 19 October 1996 at a salinity of 18‰

Sample Identification	Mean Percent Survival (Standard Deviation)
Control	91(6)
0BD00501	79(9)*
02D02801	63(18)*
50D01401	90(9)
02D02001	89(9)
02D03801	73(12)*
02D02601	79(3)*
02D03401	54(17)*

* Significantly less than the control.

Group #2: conducted 9 to 19 October 1996 at a salinity of 32‰.

Sample Identification	Mean Percent Survival (Standard Deviation)
Control	95(6)
50D01301	44(6)*
02D03301	63(6)*

* Significantly less than the control.

6.0 SIGNATURES AND APPROVAL

SUBMITTED BY:

Springborn Laboratories, Inc.
Environmental Sciences Division
790 Main Street
Wareham, Massachusetts 02571

PREPARED BY:

Ronald C. Biever Date
Program Manager

Arthur E. Putt Date
Study Director

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Health and Environmental Sciences
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TEST METHOD SED - Ha - 121a

TEST METHOD TITLE: **10-Day Acute Toxicity Test with Amphipods (*Hyalella azteca*) to Meet U.S. EPA Guidelines.**

Study Sponsor: ABB Environmental Services, Inc.

Address: 2590 Executive Center Circle East, Berkeley Building
Tallahassee, FL. 32301-5001 **Phone:** (904) 656-1293

Test Site: P.O. #: NE646366G

Additional Comments and/or Modifications:

Sediment ID #:

TO BE COMPLETED BY SPRINGBORN LABORATORIES, INC. PRIOR TO TEST INITIATION:

Testing Facility: Springborn Laboratories, Inc., 790 Main Street, Wareham, MA 02571

Study Director: Arthur E. Putt SLI Study #: 13169.1096-6134.121a

Proposed Schedule: (Start) 10/8/96 (Completion) 10/19/96

Additional Comments and/or Modifications: Overlying water (well water) will be amended filtered natural seawater to approximate the salinity (≤ 15 ppt) of the water at the sampling site.

Study Director, 10/7/96
Date

Other Locations: 640 N. Elizabeth Street • Spencerville, Ohio 45887-0143 • Phone: (419) 647-4196 • Fax: (419) 647-8560
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10-Day Acute Toxicity Test with Amphipods (*Hyalella azteca*) to Meet U.S. EPA Guidelines.

1.0 INTRODUCTION

The objective of this study is to determine the toxicity of a contaminated sediment sample(s) to amphipods (*Hyalella azteca*) during a 10-day exposure. Amphipods are continuously exposed to the sediment sample(s) to assess the effects of potential contaminants on organism survival. The methods (Springborn Laboratories test method#: SED-Ha-121a) described in this study plan meets the standard procedures described in "Methods for Measuring the Toxicity and Bioaccumulation of Sediment-associated Contaminants with Freshwater Invertebrates" (U.S. EPA 1994) and "Standard Test Methods for Measureing the Toxicity of Sediment-Associated Contaminants with Freshwater Invertebrates" (ASTM, 1996).

2.0 MATERIALS AND METHODS

2.1 TEST ORGANISMS

2.1.1 <u>Species</u> - The freshwater invertebrate, *Hyalella azteca,* is the species used in this test. Test organisms are 7 to14 days old at initiation of the test. Amphipods are obtained by removing adult amphipods from culture tanks and placing them in 9.5 liter aquaria with approximately 8L of water, 7 to 14 days prior to test initiation. Young (<1 days old) produced by these isolated adults are then removed and pipeted into holding containers for 6 to 13 days until test initiation. During the holding period, amphipods are acclimated to test condtions. Amphipods are not used if >10% mortality is observed during the 48 hours prior to test initiation.

2.1.2 <u>Source</u> - *Hyalella azteca* cultures are maintained at Springborn Laboratories, Inc. Amphipods are cultured in 20 liter glass aquaria (containing approximately 10-L of culture water) under flow-through conditions. Water used to culture the amphipods is similar to the overlying water used during the 10-day test. Culture water is maintained at 23 ± 1°C.

2.1.3 <u>Feeding</u> - While being maintained in the culture prior to the test, adult amphipods are fed once daily. They are fed a combination of Yeast, Cerophyl® and Trout Chow Suspension (YCT), unicellular green algae *Selenastrum capricornutum.* The diet is supplemented with Zeigler Brothers flaked fish food. During testing, 1.5 mL of YCT Suspension is added daily to each test vessel. If food collects on the sediment surface during testing, feeding is suspended for one or more days.

2.1.4 <u>Handling</u> - Wide-bore pipets are used to transfer the amphipods, taking care to minimize possible stress due to handling. Amphipods that are damaged or dropped during transfer are not used.

2.2 PHYSICAL SYSTEM:

2.2.1 **Sediment** - Sediment samples should be shipped overnight to Springborn Laboratories after collection. Upon receipt at Springborn, sample containers are inspected for leakage or damage and the sample identity is recorded. If storage is required, the samples are refrigerated at approximately 4 °C. In addition, if possible, a sediment sample will be collected from an uncontaminated location near the site of interest to be used as a reference sediment. A control sediment, collected by Springborn Laboratories, will be included in the test to evaluate performance of the test organisms and exposure system. The test will be initiated within 14 days of sediment collection.

2.2.2 **Test Vessels** - The test chambers used in the static-renewal test are 300 mL glass jars which are chemically clean. Test chambers are cleaned by an appropriate method to remove residue of test material previously used (i.e., acid to remove metals and bases; detergents and organic solvents to remove organic compounds) and rinsed several times using diluent water. Each test chamber has a 2 cm hole drilled on the top edge of the jar and is covered with 40-mesh Nitex® screen for drainage. Each chamber contains 100 mL (approximately 2 cm layer) of sediment and 175 mL of overlying water.

2.2.3 **Overlying Water** - Water from a 100 meter bedrock well is pumped to a concrete reservoir where it is supplemented on demand with untreated, unchlorinated, Town of Wareham well water. The water is characterized as being "soft" with a normal pH range of 6.9 - 7.5, a total hardness of 20 - 40 mg/L and a specific conductance of 80 - 150 μmhos/cm. The pH, total hardness, alkalinity, and specific conductance of this water are monitored weekly at a central location in the laboratory to assure that these parameters are within the normal, acceptable ranges. Total hardness and alkalinity are determined according to *Standard Methods for the Water and Wastewater*, (APHA, 1989).

The quality of the water is judged by periodic analyses of representative samples conducted to ensure the absence of potential toxicants, including pesticides, PCBs and selected toxic metals, at concentrations which may be harmful to the amphipods, as well as the ability of amphipod cultures to survive and reproduce in the water free of stress. TOC analyses are conducted once a month in the overlying water source.

2.3 TEST PROCEDURES:

2.3.1 **Test Concentration** - Eight replicates will be maintained for each sediment sample consisting of 100% whole sediment sample (no dilutions). A common reference control, conducted with eight replicates, will be used to evaluate the survival potential of the test organism in a non-contaminated sediment. If a reference control sediment is not provided, the control sediment collected by Springborn personal will be used to evaluate the survival potential of the test organisms. Control sediment is collected from a site, known to free of contamination and provide acceptable conditions for survival and growth of amphipods. The control sediment will also be conducted with eight replicates. Ten

amphipods per replicate (80 organisms per sediment sample or control) will be used to initiate the test.

2.3.2 **Test Initiation** - The day before test initiation (day -1), test sediment and reference control sediment are added to the replicate test vessels and the overlying water is added. The water is added gently to prevent suspension of the sediment layer in the water column. This period allows the sediment and water to equilibrate prior to addition of the test organisms. Delivery of the overlying water is initiated the day prior to test initiation using the automated water delivery system.

Amphipods (7 to 14 days old) will be removed from the holding vessels (see section 2.1.1). Ten amphipods are randomly selected and pipeted into a replicate test or control vessel. This procedure is repeated until all vessels contain ten amphipods.

2.3.3 **Renewal of Overlying Water** - During the 10-day study, the overlying water will be renewed by adding two volume additions (i.e., 350 mL) per day using an intermittent delivery system in combination with a calibrated water-distribution system (Zumwalt et al., 1994). The intermittent delivery system is calibrated to provide 1 liter of water per cycle to the water-distribution system, which subsequently provides 50 mL of water per cycle to each replicate test chamber. The water delivery system cycles 7 times per day, providing 2 volume additions every 24 hours. Delivery of two volume replacements per day is sufficient to provide consistent and acceptable water quality characteristics throughout the duration of the 10 day exposure.

2.3.4 **Photoperiod** - The test vessels are located in an area illuminated to a light intensity of 30-100 footcandles using a combination of fluorescent bulbs. A 16-hour light, 8-hour dark photoperiod is maintained with an automatic timer. Sudden transitions from light to dark and vice versa are avoided.

2.3.5 **Measurement of Water Quality Variables** - Total ammonia will be determined at test initiation and test termination (i.e., Day 0 and 10) in the overlying water from a composite sample from all replicates of each test and control sample. The composite sample is taken from a location of 1 to 2 cm above the sediment surface using a pipet. Dissolved oxygen, pH, temperature and salinity are measured in all replicate vessels at test initiation and test termination. In addition, dissolved oxygen, pH, temperature and salinity are monitored daily in one alternating replicate vessel during the course of the study. Temperature is monitored continuously in the waterbath surrounding the exposure chambers using a minimum-maximum thermometer. Readings of temperature extremes are recorded daily.

2.3.6 **Dissolved Oxygen** - Total dissolved oxygen is not allowed to drop below 40% or exceed 100% of saturation for the duration of the study. Aeration (with oil-free air) will be initiated to raise and maintain the dissolved oxygen concentration at or above 40% of saturation.

2.3.7 **Temperature** - Temperature of the overlying water is maintained at 23 ± 1°C by conducting the study in a temperature controlled waterbath maintained at the appropriate test temperature.

2.3.8 **Biological Data** - Survival of the amphipods is determined in each test vessel at test termination (day 10) by sieving the sediment to remove all surviving organisms. In addition, daily observations of organism behavior (e.g., sediment avoidance) and characteristics of test sediments and overlying water are also observed and recorded daily.

2.3.9 **Test Acceptability** - A test will be considered unacceptable if > 20% mortality occurs in the control population.

3.0 STATISTICAL ANALYSES

The mean survival of organisms exposed in each test sediment and reference control sample will be tested for normality and homogeneity of variance using Shapiro-Wilks Test and Ba F-Test. If the data set passes these two tests, then a parametric method (e.g., ANOVA 2-Sample T-Test or Dunnett's Test) will be used to evaluate the results of the mean survival of each test sample for significant adverse effects. If the data set fails the test for normality and homogeneity of variance, then a non-parametric method (e.g., Steel's Many-One Rank Test) will be used to determine significant adverse effects. If necessary, mean survival values will be transformed (e.g., arcsine square).

4.0 REPORTING

The raw data and the final summary report are reviewed by the Study Director. The test results will be presented in an outline format on a per sample basis.

5.0 REFERENCES

APHA, AWWA, WPCF. 1989. *Standard Methods for the Examination of Water and Wastewater.* 17th Edition, Washington, D.C.

ASTM. 1996. Standard Test Methods for Measureing the Toxicity of Sediment-Associated Contaminants with Freshwater Invertebrates. American Society for Testing and Materials. West Conshohocken, PA. Volume 11.05. Designation E 1706-95b. pp. 1176-1258.

U.S. EPA. 1995. Methods for Measuring the Toxicity and Bioaccumulation of Sediment-associated Contaminants with Freshwater Invertebrates. U.S. Environmental Protection Agency. Office of Research and Development. EPA/600/R-94/024.

Zumwalt, D.C., F.J. Dwyer, I.E. Greer and C.G. Ingersoll. 1994. A water-renewal system that accurately delivers small volumes of water to exposure chambers. Environmental Toxicology and Chemistry. pgs. 1311-1314.

Springborn Laboratories, Inc.
Health and Environmental Sciences
Headquarters: 790 Main Street • Wareham, MA • 02571-1075 • Phone: (508) 295-2550 • Fax: (508) 295-8107

TEST METHOD SED - Ha - 131

TEST METHOD TITLE: **10-Day Acute Toxicity Test with Marine Amphipods (*Ampelisca abdita*) to Meet U.S. EPA Guidelines.**

Study Sponsor: ABB Environmental Services, Inc.

Address: 2590 Executive Center Circle East, Berkeley Building
Tallahassee, FL. 32301-5001 **Phone:** (904) 656-1293

Test Site: P.O. #: NE646366G

Additional Comments and/or Modifications:

Sediment ID #:

TO BE COMPLETED BY SPRINGBORN LABORATORIES, INC. PRIOR TO TEST INITIATION:

Testing Facility: Springborn Laboratories, Inc., 790 Main Street, Wareham, MA 02571

Study Director: Arthur E. Pratt SLI Study #: 13109.1096.6134.131

Proposed Schedule: (Start) 10/9/96 (Completion) 10/19/96

Additional Comments and/or Modifications: Overlying water (natural seawater) will be adjusted to the approximate salinity (15 to 35 ppt) of the water at the sampling site.

Study Director, 10/9/96
Date

Other Locations: 640 N. Elizabeth Street • Spencerville, Ohio 45887-0143 • Phone: (419) 647-4196 • Fax: (419) 647-6560
Seestrasse 21 • Horn, CH-9326, Switzerland • Phone: (41) 71 844-6970 • Fax: (41) 71 841-8630

10-Day Acute Toxicity Test with Marine Amphipods (*Ampelisca abdita*) to Meet U.S. EPA Guidelines.

1.0 INTRODUCTION

The objective of this study is to determine the toxicity of a contaminated sediment sample(s) to marine amphipods (*Ampelisca abdita*) during a 10-day exposure. Amphipods are continuously exposed to the sediment sample(s) to assess the effects of potential contaminants on organism survival. The methods (Springborn Laboratories test method#: SED-Aa-131) described in this study plan meets the standard procedures described in "Methods for Assessing the Toxicity of Sediment-associated Contaminants with Estuarine and Marine Amphipods" (U.S. EPA 1994) and "Standard Guide for Conducting 10-day Static Sediment Toxicity Tests with Marine and Estuarine Amphipods" (ASTM, 1996).

2.0 MATERIALS AND METHODS

2.1 TEST ORGANISMS

2.1.1 <u>Species</u> - The marine amphipod, *Ampelisca abdita*, are used to conduct the acute toxicity test. The amphipods are of approximately the same size and age. Amphipods used to initiate the 10-day test are those that pass through a 1.7 mm sieve and are retained by a 0.7 mm sieve. The marine amphipod, *Ampelisca abdita*, is widely distributed through out the East Coast of North America (Mills, 1964) and are considered a reasonable representative species of marine benthic invertebrates. The amphipod is easily cultured, making it suitable for toxicity testing.

2.1.2 <u>Origin and Acclimation</u> - The amphipods are obtained from a commercial supplier and maintained in culture at Springborn Laboratories, Inc. (SLI) for a minimum of 7 days prior to testing. Upon receipt of the amphipods at SLI, organisms are acclimated to test temperature (20 °C). Temperature changes during the acclimation period will not exceed ± 2°C per day. Once test temperature is reached, amphipods will be held for a minimum of 2 days at test temperature. The test organism population will not be used if >10% mortality is observed among the amphipods during the 48-hour period prior to test initiation. If mortality is observed, the holding period will be extended until performance is determined acceptable (i.e., <10% mortality) or additional populations will be obtained.

2.1.3 <u>Feeding</u> - During the holding and acclimation period prior to testing, the amphipods will be fed a marine diatom, *Skeletonema sp.* (1.0×10^7 cells per mL), at a rate of 100 to 200 mL per day per culture vessel. During the 10-day toxicity test, the amphipods will not be fed.

2.1.4 Handling - Wide bore pipets and 0.5 mm stainless steel sieves are used to transfer amphipods to minimize possible stress due to handling. Amphipods that touch dry surfaces or are injured during handling will not be used.

2.2 PHYSICAL SYSTEM:

2.2.1 Sediment - Sediment samples should be shipped overnight to Springborn Laboratories after collection. Upon receipt at Springborn, sample containers are inspected for leakage or damage and the sample identity is recorded. If storage is required, the samples are refrigerated at approximately 4 °C. In addition, if possible, a sediment sample will be collected from an uncontaminated location near the site of interest to be used as a reference sediment. A control sediment, collected by Springborn Laboratories, will be included in the test to evaluate performance of the test organisms and exposure system. The test will be initiated within 14 days of sediment collection.

2.2.2 Test Vessels - The test chambers used in the static acute bioassay are 1000 mL beakers which are chemically clean. Each beaker contains 175 mL (approximately 2 cm layer) of sediment and 800 mL of overlying water. Test vessels will be covered with plastic during the test minimize evaporation of the overlying water. Each test vessel is labeled with the appropriate test concentration and replicate. Test vessels are cleaned by an appropriate method to remove residue of test material previously used (i.e., acid to remove metals and bases; detergents and organic solvents to remove organic compounds) and rinsed several times using overlying water.

2.2.3 Overlying Water - Natural, filtered seawater from the Cape Cod Canal is used as dilution water for the test. The water is filtered through a 20-μm and 5-μm polypropylene core filter and heated to the required test temperature. Salinity and pH of each new batch of seawater is measured and recorded to ensure that these parameters are within acceptable ranges. Natural values for seawater are a pH range of 7.5 - 8.2 and salinity 32 ± 3 $^{o}/_{oo}$. Periodic analysis of representative samples of seawater are conducted to ensure the absence of potential toxicants, including pesticides, PCBs and selected toxic metals, at concentrations which may be harmful to the amphipods.

2.3 TEST PROCEDURES:

2.3.1 Test Concentration - Four replicates will be maintained for each sediment sample consisting of 100% whole sediment sample (no dilutions). A common reference control, conducted with four replicates, will be used to evaluate the survival potential of the test organism in a non-contaminated sediment. If a reference control sediment is not provided, the control sediment collected by Springborn personal will be used to evaluate the survival potential of the test organisms. Control sediment is collected from a site, known to free of contamination and provide acceptable conditions for survival of amphipods. The control sediment will also be conducted with Four replicates. Twenty amphipods per replicate (80 organisms per sediment sample or control) will be used to initiate the test.

2.3.2 **Test Initiation** - The day before test initiation (day -1), test sediment and reference control sediment are added to the replicate test vessels and the overlying water is added. The water is added gently to prevent suspension of the sediment layer in the water column. Test vessels are then covered, placed in a waterbath and gently aerated. This period allows the sediment and water to equilibrate prior to addition of the test organisms.

Amphipods will be removed from the holding vessels (see section 2.1.1). Twenty amphipods are randomly selected and pipeted into a replicate test or control vessel. This procedure is repeated until all vessels contain twenty amphipods.

2.3.3 **Photoperiod** - The test vessels are located in an area illuminated to a light intensity of 50-100 footcandles using a combination of fluorescent bulbs. Light intensity at the water surface is constantly maintained (24-hour light period).

2.3.4 **Measurement of Water Quality Variables** - Total ammonia will be determined at test initiation and test termination (i.e., Day 0 and 10) in the overlying water from a composite sample from all replicates of each test and control sample. The composite sample is taken from a location of 1 to 2 cm above the sediment surface using a pipet. Dissolved oxygen, pH, temperature and salinity are measured in all replicate vessels at test initiation and test termination. In addition, dissolved oxygen, pH, temperature and salinity are monitored daily in one alternating replicate vessel during the course of the study. Temperature is monitored continuously in the waterbath surrounding the exposure chambers using a minimum-maximum thermometer. Readings of temperature extremes are recorded daily.

2.3.5 **Dissolved Oxygen** - Total dissolved oxygen is not allowed to drop below 60% of saturation for the duration of the study.

2.3.6 **Temperature** - Temperature of the overlying water is maintained at 20 ± 1°C by conducting the study in a temperature controlled waterbath maintained at the appropriate test temperature.

2.3.7 **Biological Data** - Survival of the amphipods is determined in each test vessel at test termination (day 10) by sieving (0.5 mm sieve) the sediment to remove all surviving organisms. In addition, daily observations of organism behavior (e.g., sediment avoidance) and characteristics of test sediments and overlying water are also observed and recorded daily.

2.3.8 **Test Acceptability** - A test will be considered unacceptable if > 10% mortality occurs in the control population.

3.0 STATISTICAL ANALYSES

The mean survival of organisms exposed in each test sediment and reference control sample will be tested for normality and homogeneity of variance using Shapiro-Wilks Test and Ba F-Test. If the data set passes these two tests, then a parametric method (e.g., ANOVA 2-Sample T-Test or Dunnett's Test) will be used to evaluate the results of the mean survival of each test sample for significant adverse effects. If the data set fails the test for normality and homogeneity of variance, then a non-parametric method (e.g., Steel's Many-One Rank Test) will be used to determine significant adverse effects. If necessary, mean survival values will be transformed (e.g., arcsine square).

4.0 REPORTING

The raw data and the final summary report are reviewed by the Study Director. The test results will be presented in an outline format on a per sample basis.

5.0 REFERENCES

ASTM. 1996. Standard Guide for Conducting 10-day Static Sediment Toxicity Tests with Marine and Estuarine Amphipods. American Society for Testing and Materials. West Conshohocken, PA. Volume 11.05. Designation E 1367-92. pp. 769-794.

Mills, E.L. 1964. The Biology of an Ampeliscid Amphipod Crustacean Silbing Species Pair. *Journal of the Fisheries Research Board of Canada*. 24(2). 1967. pp. 305-355.

U.S. EPA. 1995. Methods for Assessing the Toxicity of Sediment-associated Contaminants with Estuarine and Marine Amphipods. U.S. Environmental Protection Agency. Office of Research and Development. EPA/600/R-94/025.

APPENDIX F

PLATES

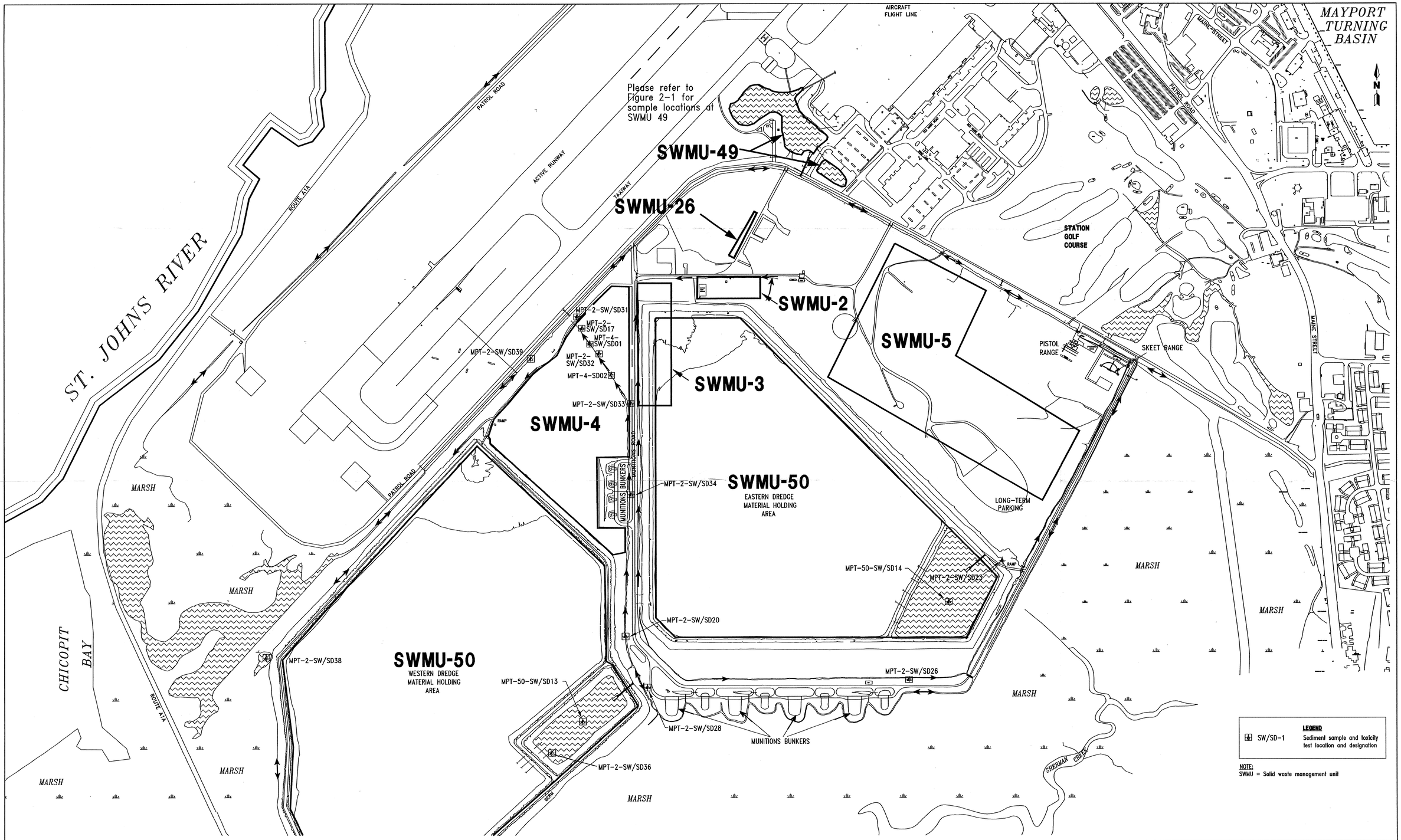

PLATE 1
SURFACE WATER AND SEDIMENT SAMPLING LOCATIONS

INTERIM MEASURE PERFORMANCE SPECIFICATIONS
GROUP I SWMUs 4, 49 AND 50
U.S. NAVAL STATION
MAYPORT, FLORIDA

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APPENDIX G

RESPONSE TO REGULATORY COMMENTS

1.0 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 U.S. 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 by the Florida Department of Environmental Protection (FDEP) and the U.S. Environmental Protection Agency (USEPA), concerning the draft report (June 1997), entitled *Interim Measure (IM) Performance Specifications, Group I Solid Waste Management Units (SWMUs) 4, 49 and 50*, NAVSTA Mayport, Florida (ABB-ES, 1997).

The following is correspondence received from FDEP and USEPA.

- September 4, 1997, Correspondence from James H. Cason, P.G. Remedial Project Manager, FDEP, to Mr. David Driggers, Department of the Navy, Southern Division Naval Facilities Engineering Command (SOUTHNAVFAC-ENGCOM), Subject: Draft IM Performance Specifications, Group I SWMUs 4, 49, and 50 Naval Station, Mayport, Florida.

- September 22, 1997, Correspondence from Martha Berry, Remedial Project Manager, USEPA, to Mr. David Driggers, Department of the Navy, Southern Division Naval Facilities Engineering Command (SOUTHNAVFACENGCOM), Subject: Draft IM Performance Specifications, Group I SWMUs 4, 49, and 50.

The following chapters 2.0 and 3.0 provide point-by-point responses to FDEP's and USEPA's comments, respectively.

2.0 RESPONSE TO FDEP COMMENTS

2.1 Comment 1. **Please add a notation on Plate 2 which references the sample locations for SWMU 49 to Figure 2-1.**

Notations will be added to Plates 1 and 2 indicating that Figure 2-1 shows the location of surface water and sediment samples collected at SWMU 49.

2.2 Comment 2. **Page 5-3, paragraph 4: SWMU 49 is discussed. I believe the reference should be to SWMU 50.**

Comment acknowledged, typographical errors will be revised.

2.3 Comment 3. **Plate 2: Are data available for sampling location MPT-2-SD36? If not, this should be noted on the figure.**

MPT-2-SD36 was inadvertently omitted from Plate 2 and will be added.

2.4 Comment 4. **Section 4.3, SWMU 4, page 4-17: paragraph 3, beginning with "sediments" discuss the role of organic sediments acting as chelators or binders and "...limiting the migration of analytes and the flushing ..." I believe the statement should properly say "...analytes during the flushing..."**

Below is a discussion of the mobility of inorganic analytes in sediments.

Natural and anthropogenic sources of metals in freshwater systems exist primarily adsorbed to fine-grained sediments (Gibbs, 1973). The peak concentrations of metals typically occur in the top 4 inches (10 centimeters) of the sediment profile corresponding to the rooting zone of many aquatic macrophytes (Jackson, et al., 1993). Additionally, it was also noted by Jackson, et al., that a portion of the total metals in sediments may not be readily available to plants and are adsorbed on particle surfaces, carbonate bound, occluded in iron or manganese oxyhydroxides, bound to organic matter, or sulfide bound.

Oxidation-reduction (redox) potential, pH, sediment particle size, and organic content appear to be an important characteristics in determining the mobility of inorganic analytes in sediments (USEPA, 1979). Sediments can be classified into three redox potential zones (Berner, 1981).

- Strongly reduced when the redox potential is less than 150 millivolts,
- Intermediate reduced when the redox potential is greater than 150 millivolts but less than 200 millivolts, and
- Strongly oxidizing when the redox potential is greater than 200 millivolts.

Below is a discussion of the mobility of inorganic analytes in aquatic and sediment environments relative to redox potential, sediment particle size and organic content from Water-Related Environmental Fate of 129 Priority Pollutants (USEPA, 1979).

Antimony. Antimony appears to have an affinity for clay and other mineral surfaces. Antimony copricipitates with iron and aluminum oxides. Antimony may also be accumulated by organic matter, especially humic acids. Antimony is not strongly bound and is susceptible to remobilization by bioaccumulation, reduction and biomethylation. Antimony is usually found in stable, unextractable forms in polluted areas.

Arsenic. Arsenic may be sorbed onto clays, aluminum hydroxides, iron oxides, and organic matter. In areas where phosphate minerals occur, arsenic may isomorphously substitute for phosphate. Arsenic coprecipitates with hydrous iron and manganese oxides. Adsorption appears to be most important in aerobic, acidic, fresh waters. Arsenic is less likely to adsorb and remained dissolved under reducing, alkaline and/or saline conditions.

Beryllium. Based on the geochemical similarities to aluminum, beryllium is expected to absorb to clay mineral surfaces at acidic pHs and at alkaline pHs to be complexed in insoluble compounds. Beryllium should be present (sorbed or precipitated) in particulates rather than dissolved form in most natural environments.

Cadmium. Sorption by mineral surfaces, hydrous metal oxides, and organic materials remove most of the cadmium from solution. Cadmium can adsorb to mud solids, particles of clay and silica, humic material, and carbonate materials. The adsorption of cadmium appears to be strongly pH demandant and increases as the conditions become more alkaline. The addition of anions (chloride, bromide, phosphate, sulfate, and carbonate), also increase the adsorption of cadmium.

Cadmium is desorbed when the pH is less than 6 to 7 standard units. Cadmium has a lower affinity for sorption when compared to copper, zinc, and lead, and may be more mobile. Cadmium may be released (remobilized) from a freshwater environment that become more saline as a result of changes in pH.

Chromium. Chromium can be interconvertable between the hexavalent and trivalent forms under natural conditions. Hexavalent chromium can be reduced by ferrous iron, and dissolved sulfides and trivalent chromium can be oxidized by large amounts of excess manganese oxide. Trivalent chromium is the most stable form under redox conditions normally found in natural waters and sediments. Chromium precipitates when the pH is greater than 5 standard units.

Environmental conditions favorable for hexavalent chromium will keep the chemical in soluble form and conditions that favor trivalent chromium lead to precipitation and adsorption. This is consistent with findings that indicate a decrease in the adsorption of hexavalent chromium to clays when pH is increased; and conversely, an increase in the adsorption of trivalent chromium.

Copper. Copper has a strong affinity for hydrous iron and manganese oxides, clays, carbonate material and organic matter. Sorption to these materials, both suspended in the water column and in the bed sediments, results in a relative enrichment of the solid phase and reduction in dissolved levels. The sorption of copper is strongly dependant on pH, redox potential, and the amount of organic-rich material. Desorption (remobilization) of copper can occur in acidic or reducing environments.

Unless strong leaching agents are present, the mobility of copper ions is low and they may persist in freshwater sediments. However, copper has a higher potential to desorb into the aqueous phase in a marine ecosystem because of chloride complexing and a reduced degree of bonding to sediment particles.

Cyanides. In most natural waters (pH less than 7 standard units), almost all of the free cyanide is present as hydrogen cyanide. The percentage of free cyanide that occurs as hydrogen cyanide decreases as the pH increases above 7 standard units.

Cyanides are fairly mobile in the soil environment, suggesting that adsorption is not a significant factor in environmental fate. Cyanide is least mobil in soils with an acidic pHs, high concentration of free iron oxides, and positively charged particles; and is most mobile in soil with an alkaline pHs, and contain free calcium carbonate (high negative charge).

Lead. Lead in aquatic and marine environments is removed from aquatic media to sediments in close proximity to the source. Factors controlling the adsorption of lead to sediment include pH, redox potential, dissolved and particulate iron concentrations, salinity, and composition of suspended and bed sediments. Adsorption of lead is primarily pH dependant, and at a pH above 7 standard units is in solid phase. Also, at low pHs, lead may be repelled from the adsorbent surface. Lead may be released from the adsorbent surface as the redox potential becomes more oxidizing.

Mercury. The evaluation of environmental sediment samples containing mercury, and samples that were spiked with mercury suggest that adsorption to particulates is related to organic content. Sorption rates were the highest in organic-rich sands. pH was found to not have much influence on adsorption or desorption. The affinity for the particulates is sufficient for inorganic mercury to remain with the sediment during erosion and redoposition.

Within a moderate oxidizing environment at a pH above 5 standard units, the predominant species is elemental mercury. Mildly reducing conditions cause the mercury to be precipitated in a sulfide form (cinnabar), which has an extremely low solubility. The solubility of mercury in oxygenated solutions may be increased by the formation of charged mercuric chloride complexes in aquatic environments that are high in chloride.

Nickel. Nickel is adsorbed by hydrous iron and manganese oxides and organic material. However, nickel is highly mobile and is sorbed only to a small extent. Nickel has also been detected in the crystalline structure of carbonate minerals.

Nickel occurs as insoluble sulfide forms under reducing conditions and in the presence of sulfur. Nickel forms with hydroxide, carbonate, sulfate, and other naturally occurring ligands to become aqueous soluble forms under aerobic conditions at pHs less than 9 standard units.

Selenium. Selenium is adsorbed by iron and manganese hydroxides, organic matter, and iron sulfides under acidic oxidizing conditions. Selenium is in a soluble form, selenate anion, under alkaline oxidizing conditions. Selenium is in the form of insoluble metal selenides under reducing conditions.

Silver. Sorption appears to be the dominant process leading to partitioning of silver into colloids or sediments. Sorption of silver is in the preferred order of manganese dioxide, sulfur dioxide, ferric hydroxide and clay minerals and/or organic materials. Silver may also complex in aquatic environments with chloride, bromide and iodide ions. Silver adsorbed by manganese dioxide in colloidal form is desorbed (released) on contact with sea water resulting in the deposition of insoluble forms of silver.

Redox potential has an indirect effect on silver, however, the affinity for adsorption by manganese and sulfur dioxide, which respond to changes in redox potential, appears to control the speciation of silver (i.e., silver adsorbed to manganese dioxide that is deposited in a reducing sedimentary environment will likely be transformed into the reduced sulfur form).

Thallium. Thallium is soluble over a wide range of oxidizing conditions, but in reducing conditions precipitate to the metal form, and in the presence of sulfur, as an insoluble sulfide. Under high oxidizing conditions, thallium precipitates in the oxide or hydroxide from and settles to bed sediments.

The adsorption of thallium to clay particles is pH demandant. Adosrbtion is more effective under alkaline conditions, than acidic conditions. Thallium has a lower affinity for adsorption to clay particles than copper and zinc.

Zinc. Redox potential has an indirect effect on zinc, however, the valences and reactivity of the ligands reacting with zinc are affected by redox potential. Based on this property, the transport of zinc is controlled by the speciation of the ligand to which it is adsorbed. Colloidal and suspended organic matter adsorb zinc. Zinc is adsorbed more strongly than nickel, cobalt and manganese, but less strongly than copper.

Sorption of zinc by hydrous metal oxides, clay minerals and organic materials appears to be the dominant fate in aquatic environments. Coprecipitation and sorption of dissolved zinc by hydrous oxides and manganese are important factors in aerobic surface waters. When reduced iron and manganese are oxidized their hydrous oxide precipitate as coatings or discrete particles. The negative charge exhibited by these materials attracts zinc and other cations. Zinc and the other cations are incorporated into the crystalline lattice of the iron or manganese precipitate.

Humic acids in solution and other natural complexing ligands can maintain zinc in a bound form to a pH of 3 standard units. However, as salinity increases zinc can be displaced (desorbed) by alkali and alkaline cations.

The above information supports the potential that the sediment in the drainage ditches function as a binder under certain hydrogeologic conditions.
This information also supports the potential for the concentrations of inorganic analytes to vary through time in surface water and sediment because of changes in geochemistry (i.e., desorption and adsorption of inorganic analytes) during and after dredging events.

3.0 RESPONSE TO USEPA COMMENTS

3.1 Comment 1. **It is unclear why surface sediment (1 to 2 foot depth) sampling was performed at MPT-4-SD02. All other sampling locations for the IM Performance Specification Report include sampling at the 0 to 1 foot depth.**

The purpose of the sediment sample was to characterize the vertical extent of chemicals that exceed the screening benchmarks. The analytical results from the samples was also to be used to estimate the volume of sediment that require excavation and disposal at the ditch that bisects SWMU 4, if an interim measure is deemed to be necessary.

3.2 Comment 2. **Subsection 3.1.1, Surface water Analytical Results (SWMU 49), pages 3-1 through 3-5: The data in Tables 3-2 and 3-3 do not correlate. Specific discrepancies are noted below:**

- **Table 3-3 indicates that antimony was detected in 3 or 10 samples, but Table 3-2 only identifies antimony in 2 samples;**
- **Table 3-3 indicates that the highest detection of arsenic was 6.8 $\mu g/\ell$, whereas Table 3-2 indicates that the highest detection is 14 $\mu g/\ell$;**
- **Table 3-3 indicates that arsenic was detected in 4 of 10 samples, however, Table 3-2 identifies arsenic in 5 samples; and**
- **Table 3-3 indicates that the highest detection of antimony was 14 $\mu g/\ell$, whereas Table 3-2 indicates that 2.6 $\mu g/\ell$ was the highest detection.**

Please resolve these discrepancies, and indicate whether or not the corrections change the conclusions of Subsection 3.1.1.

Table 3-2 has typographical errors for antimony and arsenic. Antimony not arsenic was detected at an estimated ("J" qualifier) 14 micrograms per kilogram at sampling location MPT-49-SW05. Arsenic, if present, was at concentrations less than the detection limit in this sample. The table will be revised.

3.3 Comment 3. **The USEPA surface water chronic screening criteria that are hardness dependant have been calculated to be site-specific, as presented in Appendix D of the IM Performance Specifications Report. The calculations, however, are incorrect and have been biased low. As indicated in 40 CFR 131.36(b)(2), the equations to calculate hardness dependant metals criteria require an acute or chronic conversion factor. These conversion factors have been left off the equations presented in Appendix D. Please revise Appendix D and Table 3-3 to correct these errors, and revise the conclusions of Subsection 3.1.1 as necessary.**

The hardness dependant criteria were calculated in accordance with guidance dated January 26, 1995 from Region IV USEPA (USEPA, 1995a). The Federal surface water quality criteria referenced in the USEPA Region IV, January 26, 1995 memoranda were revised and published on August 24, 1995 in the Federal Register (FR) (60 FR 44120). Calculations in Appendix D will be revised to include the hardness

dependant criteria calculations provided in the August 24, 1995 FR. The hardness dependant criteria calculations are also available in the July 1, 1996 version of 40 Code of Federal Regulations (CFR), Part 131.

It should be noted that the more stringent State of Florida surface water quality criteria promulgated under Florida Administrative Code 62-302 have precedence over the Federal surface water quality criteria in 40 CFR Part 131.36(b)(2) in accordance with 40 CFR Part 131.36(2)(c). Applicability. This paragraph states that "The criteria in paragraph (b) of this section apply to the States' designated uses cited in paragraph (d) of this section and supersede any criteria adopted by the State, except when the State regulations contain criteria which are more stringent for a particular use in which case the State's criteria will continue to apply." This is consistent with Section 303(c) of the Federal Clean Water Act, where States are designated to have primary responsibilities for setting, reviewing, revising and enforcing water quality standards.

3.4 Comment 4. **Subsection 3.1.2, Sediment Analytical Results, Pages 3-3 through 3-23: The text on page 3-3 should be revised to indicate that two additional SVOCs bis(2-ethylhexyl)phthalate, and pyrene were also detected at levels that exceed ecological screening criteria, as shown in Table 3-5.**

Comment acknowledged, typographical errors will be revised.

3.5 Comment 5. **The text on page 3-3 should be revised to indicate that an additional pesticide 4,4-DDE was also detected at levels that exceed ecological screening criteria, as shown in Table 3-5.**

Comment acknowledged, typographical errors will be revised.

3.6 Comment 6. **The text on page 3-23 should be revised to indicate that zinc sample results also exceed ecological screening criteria, as shown in Table 3-5.**

Comment acknowledged, typographical errors will be revised.

3.7 Comment 7. **The text on page 3-23 should be revised to indicate that antimony, arsenic, copper, lead, mercury, and nickel were also detected above ecological sediment screening criteria.**

Comment acknowledged, typographical errors will be revised.

3.8 Comment 8. **It is unclear why all the detected constituents listed in Table 3-5 are not included in the Summary Table 3-6. Other constituents detected in MPT-49-SD18 through MPT-49-SD21 include barium, chromium, mercury, selenium, zinc, pyrene, indeno(1,2,3-cd)pyrene, and toluene. Please explain why these additional constituents are missing.**

It was indicated on page 3-23 of the draft report that Table 3-6 summarizes the results from the biological (survival) testing that was conducted in 1996 at SWMU 49, and also summarized chemicals and concentrations detected in samples that do

not have a threshold effects level (TEL) (MacDonald, 1994) or effects value (USEPA, 1995b), that exceeded their respective TEL or effects level, or that exceed background screening concentrations. Analytical results from the sediment samples collected in 1994 were not included in the table. Below is brief discussion of why the analytes referenced in the comment were or were not included in the Table.

Barium. No TEL or effects level has been established for barium. However, barium was not included in Table 3-6 because the concentrations detected in sediment samples collected in 1996 were less than the background screening criteria.

Chromium. Chromium was not included in Table 3-6 because the concentrations detected in the sediment samples collected in 1996 were less than the regulatory screening criteria (TEL and effects level).

Mercury. Mercury was detected in one sediment sample collected in 1994 at concentration that exceeded the TEL and effects level. Mercury was not detected at concentrations that exceed the screening criteria in sediment samples collected in 1996.

Selenium. No TEL or effects level has been established for selenium. However, selenium was not included in Table 3-6 because the concentrations detected in sediment samples collected in 1996 were less than the background screening criteria.

Zinc. Zinc was not included in Table 3-6 because the concentrations detected in the sediment samples collected in 1996 were less than the regulatory screening criteria (TEL and effects level).

Pyrene. Pyrene was detected in one sample collected in 1996 at a concentration that exceeded the regulatory screening criteria and was inadvertently omitted from the table. Pyrene will be added to the Table 3-6 in the revised report.

Indeno(1,2,3-cd)pyrene. Indeno(1,2,3-cd)pyrene was not included in Table 3-6 because the concentration detected in a sediment samples collected in 1996 was less than the regulatory screening criteria (TEL and effects level).

Toluene. No TEL or effects level has been established for toluene. Toluene was inadvertently omitted from the table, and will be added to the Table 3-6 in the revised report.

3.9 Comment 9. The data in tables 3-5 and 3-6 do not correlate. Table 3-5 indicates that bis(2-ethylhexyl)phthalate was detected in MPT-49-SD18, but this information is missing in the data summary, Table 3-6.

The concentration of bis(2-ethylhexyl)phthalate detected in MPT-49-SD18 was inadvertently omitted from the table, and will be added to the Table 3-6 in the revised report.

3.10 Comment 10. Subsection 3.2.1, Surface Water Analytical Results (SWMU 50), pages 3-23 through 3-29: As indicated in 40 CFR 131.36(b)(2), the equations used

to calculate hardness dependant metals criteria require an acute or chronic conversion factor. These conversion factors have been left off the equations presented in Appendix D. As a result, the criteria reported in Table 3-15 are biased low. Please revise Appendix D and Table 3-15 to correct these errors, and revise the conclusions of Subsection 3.2.1, as necessary.

Please refer to the response in section 3.3 Comment 3.

3.11 Comment 11. **Subsection 3.3.1, Surface Water Analytical Results (SWMU 4), pages 3-35 through 3-51: As indicated in 40 CFR 131.36(b)(2), the equations used to calculate hardness dependant metals criteria require an acute or chronic conversion factor. These conversions factors have been left off the equations presented in Appendix D. As a result, the criteria reported in Table 3-15 are biased low. Please revise Appendix D and Table 3-15 to correct these errors, and revise the conclusions of Subsection 3.1.1, as necessary.**

Please refer to the response in section 3.3 Comment 3.

3.12 Comment 12. **Section 4.1, SWMU 49, Flight Line Retention Ponds, Pages 4-1 and 4-2: Page 4-2 states that the results of the biological survival testing indicate that the contaminants found at SWMU 49 are not expected to impair reproduction, growth, or survival of benthic and aquatic receptors. Because the biological test are acute tests meant only to demonstrate survival, it is unclear how conclusions related to reproduction and growth have been reached. Please provide clarification on this issue.**

Comment acknowledged. However, biological (survival) test (also know as bulk sediment toxicity test) can be used to assess the partial life cycle of amphipods in freshwater, estuarine, and marine environments (USEPA, 1992). Testing endpoints for amphipods include survival, behavior, growth and reproduction. The endpoint is based on the age of the amphipod and the duration of the test. Because the biological (survival) testing at for the Group I SWMUs included adults (7 to 14 days old) for a ten day period the endpoints are survival and behavior.

Concentrations of chemicals that are detected in sediment samples between the TEL and probable effects levels (PELs) are in a range where biological effects are possible and biological testing is recommended to evaluate the severity of the effects, if any (MacDonald, 1994). The biological (survival) testing did not provide evidence that adverse effects were occurring. The conclusion will be restated to be consistent between the definition of the TEL and PEL, and the findings of the biological (survival) test. The conclusion will state the following:

The combination and concentration of chemicals detected and compared to the screening criteria (MacDonald, 1994 and USEPA, 1995b) suggest that adverse biological effects are possible. However, the biological (survival) testing results do not provide evidence that support the occurrence of adverse biological effects.

3.13 Comment 13. **Section 4.2, SWMU 50, pages 4-3 through 4-7: Page 4-6 states that different test populations were used for site samples versus control samples and suggest that population size is responsible for the different survival rates. The biological testing report in Appendix E does not clearly indicate that different populations sizes were used. In fact, the report states that there were no deviations from the testing methodology (attached to the report in Appendix E) that calls for equal population sizes to be used for control and site sample testing. Please provide a more detailed discussion on this issue, clearly indicating where different sample population size information is provided in Appendix E. Also, please explain why the biological testing laboratory used inconsistent test population sizes.**

The draft interim measures performance specifications report contains an error in the description of the different sample sizes for the SWMUs 49 and 50. The references to this will be removed in the revision of the text. Revisions will not be made to the biological resting report by Springborn Laboratories, Inc (Springborn, 1996).

The biological testing report (Springborn, 1996) included information on the standard deviation of the mean survival percentages for the four replicate test that were conducted for each sampling location. The standard deviations for Group #1 (Please refer Appendix E, Table 4 of the Springborn Report) indicate that for four of the environmental samples (samples with standard deviations of 3 and 9) and the control (standard deviation of 6), there was similarity in the number of animals that died in each replicate sample. However, three of the environmental samples in Group #1 had higher standard deviations suggesting that one or more replicates had higher mortalities than the other replicates.

The standard deviation of 12 for sample, 02D03801 (sample location number MPT-2-SD38) indicates that the mortality for two of the samples was 2 times higher than the other two samples. The standard deviations of 18 and 17, respectively for sample numbers 02D02801 (sample location number MPT-2-SD28), and 02D03401 (sample location number MPT-2-SD04), indicates that one of the four replicate samples had a much higher mortality (three to four times more test animals died) than the other three samples.

Test conducted for sample Group #2 had similar standard deviations for the sample locations tested and control. The standard deviation of 6 for Group #2 indicate that for each environmental sample location and the control, there was similarity in the number of animals that died in each replicate sample.

3.14 Comment 14. **Section 5.2, SWMU 50, page 5-3: The fourth paragraph on this page states that comparison of the analytical results with regulatory screening criteria suggest that surface water contained in SWMU 49 does not impair or prevent reproduction, growth and survival of terrestrial and aquatic receptors. A similar statement is found in the third paragraph on page 5-4. Because the discussions in Section 5.2 pertain to SWMU 50, it appears that the reference to SWMU 49 are incorrect. The text should be revised to correct this error.**

Comment acknowledged, typographical errors will be revised.

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