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SITE REHABILITATION COMPLETION REPORT FOR SOLID WASTE MANAGEMENT UNIT 10 NS MAYPORT FL

09/06/2011

TETRA TECH NUS

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September 6, 2011

Project Number 112G00436

Naval Facilities Engineering Command, Southeast
ATTN: Mr. Brian Syme (OPC 6)
Remedial Project Manager
135 Ajax Street North, Building 903
Naval Air Station Jacksonville
Jacksonville, FL 32212-0030

Reference: CLEAN Contract Number N62470-04-D-0055
Contract Task Order (CTO) Number 0033

Subject Site Rehabilitation Completion Report for SWMU 10
Naval Station Mayport, Jacksonville, Florida

Dear Mr. Syme:

Tetra Tech NUS Inc. (Tetra Tech) is pleased to submit this Site Rehabilitation Completion Report (SRCR) for Solid Waste Management Unit (SWMU) 10 located at Naval Station (NAVSTA) Mayport, Jacksonville, Florida. This report was prepared for the United States Navy, Naval Facilities Engineering Command Southeast (NAVFAC SE) under Contract Task Order (CTO) 0033 for the Comprehensive Long-term Environmental Action Navy (CLEAN) Contract Number N62470-04-D-0055. This SRCR will be submitted to the Florida Department of Environmental Protection (FDEP) to satisfy the requirements of a Site Rehabilitation Completion Order (SRCO).

GENERAL SITE BACKGROUND

SWMU 10 (also known as Building 1602 – Hazardous Waste Storage Building) was constructed in 1984. It was constructed to be a Resource Conservation and Recovery Act (RCRA) regulated hazardous waste storage building. The building was designed for hazardous waste storage and operated as a hazardous waste storage facility under Florida Hazardous Waste Storage Facility Permit Number H016-118598 from 1984 until 2002 when it was closed. The building is located approximately 700 feet south of the St. John's River and has an area of approximately 8,100 square feet. It is primarily surrounded by limestone rock with areas of grass cover (Figure A-1 in Attachment A). The building is located within a chain link fence and the area of SWMU 10 is approximately 96,000 square feet. Building 1602 is currently used to contain non-hazardous waste materials.

The RCRA Facility Assessment completed by AT Kearney and dated September 1989, made note of stained areas on the ground surface outside the building. A subsequent Group II RCRA Facility Investigation (RFI) by ABB Environmental Services dated January 1996, recommended No Further Action for SWMU 10 since there was no history or report of a release. However, the FDEP expressed concern, in a letter dated May 16, 1996, for potential impacts to groundwater in the general area of SWMU 10. Hence, additional site assessment activities were conducted.

SUMMARY OF CLOSURE AND ASSESSMENT ACTIVITIES

The following is a summary of the closure and assessment activities conducted at SWMU 10 which satisfy the requirements for an SRCO.

Closure of the Hazardous Waste Building 1602

Closure activities were performed by Shaw and Tetra Tech (Hazardous Waste Storage Facility Closure Certification Report, March 26, 2003) from August to November 2002 and included the sampling of soil around the perimeter of Building 1602. Details of the decontamination of the building interior and sampling of rinse water are also provided in the Closure Report. Surface soil and subsurface soils were sampled outside each wall of Building 1602 and tested for chemicals that included volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), RCRA metals, polychlorinated biphenyls (PCBs), chlorinated herbicides, organo-chlorinated pesticides, and Total Petroleum Hydrocarbons (TPH). Laboratory analytical results indicated no exceedances of FDEP SCTLs for any of the analytes. Attachment A includes Figure A-1 depicting the soil boring locations. Attachment B includes the Hazardous Waste Storage Facility Closure Certification Report, March 26, 2003 by Shaw which is provided electronically on the enclosed compact disc (CD).

Sampling and Analysis Plan Addendum (Groundwater Sampling Activity)

Tetra Tech prepared a Sample and Analysis Plan (SAP) Addendum dated November 2006 that proposed sampling the groundwater outside the Building 1602 in a down gradient direction using one monitoring well to determine if any groundwater impacts had occurred from activities at SWMU 10. The SAP was approved by the FDEP in August 2007. In November 2006, Tetra Tech installed one groundwater monitoring well outside the north end of the Building 1602. The monitoring well was constructed of 2-inch diameter polyvinyl chloride (PVC) to a depth of 15 feet with 10 feet of screen. The well was sampled in November 2006 for COCs that included VOCs, SVOCs, metals, pesticides, sulfide, and cyanide. Laboratory analytical results reported no exceedances of FDEP GCTLs for any of the analytes. Attachment A includes Figure A-2 depicting the monitoring well location. Attachment C includes the groundwater sampling results analytical table. Attachment D includes the Monitoring Well Construction Diagram, Groundwater Sample Logs and Calibration Log. Attachment E includes the laboratory reports, which are provided electronically on the enclosed compact disc (CD).

CONCLUSION AND RECOMMENDATION

The Closure Activities conducted in 2002 and groundwater sampling conducted in 2006, as detailed in this SRCR, demonstrates that no impacts to soil or groundwater has occurred at SWMU 10 (Building 1602) due to the handling and storage of hazardous materials. Hence, SWMU 10 has satisfied the No Further Action criteria as provided in Chapter 62-770.680(1), F.A.C. and Tetra Tech recommends the site be issued an SRCO.

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

Sincerely,

Gregory S. Roof, P.E.
Project Manager

GSR/lc

Enclosure

cc: John Winters, FDEP (2 hardcopies, 1 CD)
Paul Malewicki, NAVSTA Mayport (hardcopy, CD)
Administrative Record (electronic only)
CTO JM32 Project File (electronic only)

SITE REHABILITATION COMPLETION REPORT

SWMU 10 (Former Hazardous Waste Storage Building-1602)
Naval Station Mayport
Jacksonville, Florida

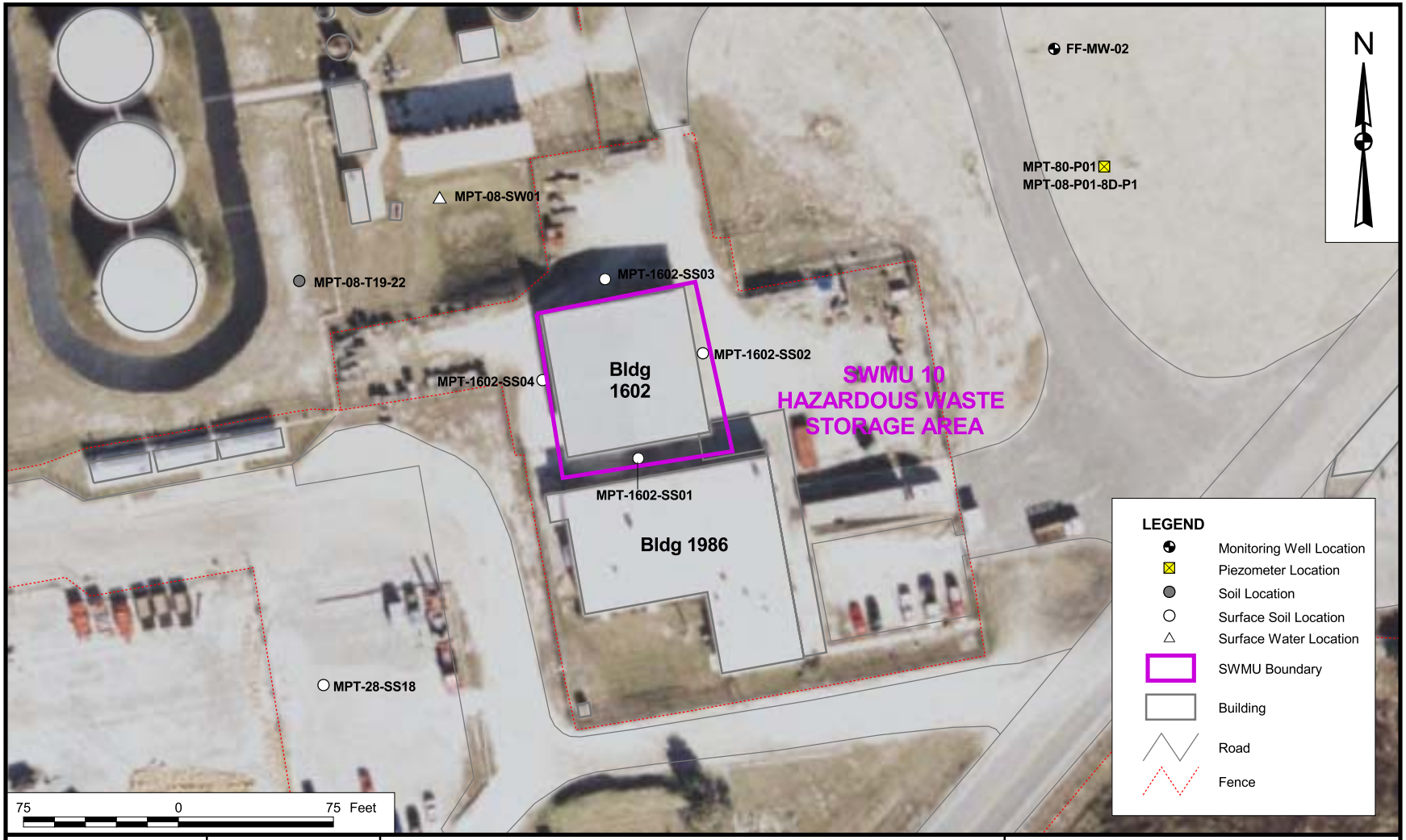
PROFESSIONAL ENGINEER CERTIFICATION

I hereby certify that in my professional judgment, the components of this report satisfy the requirements set forth in Chapter 62-780, F.A.C., and were prepared by me or under my responsible charge. Moreover, I certify that Tetra Tech NUS, Inc. holds an active license (Number 7988) authorizing the firm to provide engineering consulting services.

Gregory S. Roof, P.E.
Date: September 6, 2011
Registered Professional Engineer
Florida License Number 50842

ATTACHMENT A

FIGURE DEPICTING
CLOSURE ASSESSMENT SOIL BORINGS AND
GROUNDWATER MONITORING WELL



DRAWN BY	DATE
S. PAXTON	7/31/06
CHECKED BY	DATE
J. FOSTER	7/31/06

COST/SCHEDULE-AREA

SCALE
AS NOTED

NAVFAC

EXISTING SAMPLE LOCATIONS
SWMU 10
NAVAL STATION MAYPORT
MAYPORT, FLORIDA

CONTRACT NUMBER
CTO 0033

APPROVED BY	DATE
—	—
APPROVED BY	DATE
—	—

DRAWING NO. Figure A-1

REV 0

P:\GIS\MAYPORT_NS\MAPDOCS\APR\SWMUS10&11.APR SWMU 10 EXISTING SAMPLE LOCATIONS LAYOUT 7/31/06 SP

DRAWN BY	DATE
S. PAXTON	8/08/06
CHECKED BY	DATE
S. BALLARD	12/28/06

COST/SCHEDULE-AREA

SCALE
AS NOTED

NAVFAC

MONITORING WELL LOCATION
SWMU 10
NAVAL STATION MAYPORT
MAYPORT, FLORIDA

CONTRACT NUMBER
CTO 0033

APPROVED BY — DATE —

APPROVED BY — DATE —

DRAWING NO. — FIGURE A-2 REV 0

P:\GIS\MAYPORT_NS\MAPDOCS\APR\SWMUS10&11.APR SWMU 10 PROPOSED MW LOCATION LAYOUT 12/28/06 SS

ATTACHMENT B

HAZARDOUS WASTE STORAGE FACILITY CLOSURE CERTIFICATION
BUILDING 1602
NAVAL STATION MAYPORT
JACKSONVILLE, FLORIDA

SHAW ENVIRONMENTAL & INFRASTRUCTURE, INC.
JACKSONVILLE, FLORIDA
MARCH 26, 2003

(PROVIDED ELECTRONICALLY ONLY ON CD-ROM)

Shaw Environmental & Infrastructure, Inc.

HAZARDOUS WASTE STORAGE FACILITY CLOSURE CERTIFICATION

ID Number FL9-170-024-260
Permit # 72442-001-HO
Building 1602
Naval Station Mayport
Mayport, Florida

Prepared for

Department of the Navy
Southern Division
Naval Facilities Engineering Command
2155 Eagle Drive, P.O. Box 190010
Charleston, South Carolina

Prepared by

Shaw Environmental, Inc.
8021 Philips Highway, Suite 12
Jacksonville, Florida 32256-7460

Project 832365

March 26, 2003

HAZARDOUS WASTE STORAGE FACILITY CLOSURE CERTIFICATION

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ID Number FL9-170-024-260
Permit # 72442-001-HO
Building 1602
Naval Station Mayport
Mayport, Florida

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to be the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

The undersigned hereby certify that the Building 1602 Hazardous Waste Storage Facility, located at Naval Station Mayport, Mayport, Florida, has been closed in accordance with the permit and specifications in the approved closure plan pursuant to the requirements of Rule 62-730.260(6), FAC and CFR 264.115 on this 26TH day of March, 2003.

U.S. Naval Station Mayport

Matthew E. Schellhorn
Name (printed)

Signature:

Commanding Officer
Title

Shaw Environmental, Inc.

Mark A. Blowers, PE #38549 3-25-03
Project Manager

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1 Building 1602 Layout and Soil Sample Locations

ACRONYMS

CFR	Code of Federal Regulations
FAC	Florida Administrative Code
FDEP	Florida Department of Environmental Protection
FOTW	Federally Owed Treatment Works
FS	Florida Statutes
GCTL	Groundwater Cleanup Target Level
HWSF	Hazardous Waste Storage Facility
LEGW	Groundwater Leachability Limit
NPDES	National Pollutant Discharge Elimination System
NS	Naval Station
SCTL	Soil Cleanup Target Level
Shaw	Shaw Environmental, Inc.
TtNUS	Tetra Tech NUS, Inc.
SOUTHDIV	Southern Division, Naval Facilities Engineering Command

1 INTRODUCTION

U.S. Naval Station (NS) Mayport has been authorized to close the Building 1602 Hazardous Waste Storage Facility at NS Mayport, Mayport Road, Mayport, Florida. Operation permit #72442-001-HO, dated May 25, 1999, issued pursuant to Chapter 403, Florida Statutes (F.S.) and Rule 62-730, Florida Administrative Code (FAC) allows operation of the hazardous waste container storage Building 1986 and closure of the hazardous waste container storage Building 1602. A copy of the permit is included in Appendix A. "Part III–Closure" of the permit provides the requirements for closure of Building 1602 as required by 40 CFR 264.111, and in accordance with the closure plan (Attachment T) of the permit application. A copy of Attachment T – Closure Plan is included in Appendix B. The closure was to have been completed no later than December 31, 2002, however, decontamination procedures and sampling had to be repeated, and an extension was requested and approved by the FDEP. The new closure completion date is March 31, 2003.

Building 1602 was utilized for storing hazardous wastes from 1984 until June 14, 2002. An adjacent building (Building 1986) was constructed in 1993 to provide additional storage for hazardous waste but the Florida Department of Environmental Protection (FDEP) would not permit the use of a second building and it was decided to close Building 1602 to hazardous waste storage and make Building 1986 the hazardous waste storage facility at NS Mayport. Once closure certification has been accepted by FDEP, Building 1602 will be used for storage of hazardous waste for less than ninety days accumulation. In accordance with the permit; mercury-containing lamps and devices in compliance with Rule 62-737.400, FAC, universal waste in compliance with Rule 62-730.185, FAC, non-hazardous waste, raw materials and products may also be stored at Building 1602 following closure certification.

The Closure Plan requires NS Mayport to submit a certification by an independent registered professional engineer and the permittee that the facility has been closed per the specifications in the approved closure plan and permit. The purpose of this report is to fulfill that requirement. Closure of the facility included removal of all waste from Building 1602, cleaning and decontamination of the building, bays, drains and trenches, and soil and rinse water sampling and analysis to confirm decontamination is complete.

2 FACILITY DESCRIPTION AND HISTORY

NS Mayport is located within the corporate limits of the City of Jacksonville, Duval County, Florida and approximately 12 miles to the northeast of downtown Jacksonville, adjacent to the town of Mayport. Building 1602 is located at latitude 30°23'55" N and longitude 81°25'19" W in Section 20, Township 1 South, and Range 29 East. The facility ID for the HWSF is FL9 170 024 260.

Building 1602 is a 3,800 square foot single story building. Building 1602 is located adjacent to Building 1986, which is the new hazardous waste storage facility (HWSF) at NS Mayport. Both buildings are located within an area secured by a six-foot chain link fence. Building 1602 was used strictly for storage and contains no offices, restrooms, or utilities besides electricity. A concrete drive or apron is located on the south side of Building 1602 providing a paved route between Building 1602 and Building 1986. The remaining three sides around Building 1602 are unpaved and consist of compacted earth and limerock.

Building 1602 is divided into seven separate storage bays, with a separate spill containment trench for each bay. Photographs of Building 1602 are included in Appendix C. The trenches at the end of each bay are concrete trenches approximately 4 feet deep and 24 inches wide and extend the width of each bay. The trenches are covered with metal grates capable of supporting the weight of a loaded forklift. Each of the bays is sloped back to front so spillage from any storage containers or drums would flow into the trenches. There are no drains from the trenches. Any material/liquid that enters the trenches must be pumped out. The design of the building includes a 12-inch concrete perimeter curb or kneewall that extends from, and is integral with the foundation. Expansion joints make use of a liquid sealer to prevent contamination of soils beneath the floor. Above the kneewall, the building is constructed of metal beams clad with metal walls and a metal roof. The building has no insulation.

Two small floor drains are used to drain the center section of the building. Both of these drains discharge to a manhole located in the main floor at the north end of the building. There is no discharge from the manhole and, like the trenches, must be physically pumped out to remove any liquid which flows into the manhole via the floor drains. The main floor of the building is approximately one foot below the surrounding ground elevation. No liquids can flow out of the building. Dividers between the bays consist of the concrete kneewall with eight feet of chainlink fence on top of the kneewall to a total height of approximately ten feet. An overhead door is located on each end of the

building and a ramp leads up to the door from the outside and down into the building. Standard mandoors are also located at each end of the building. Stairs are located on each side of both doorways to allow access over the kneewall around the building.

Building 1602 is designed for a maximum storage capacity of 480 55-gallon drums for a total volume of 26,400 gallons. Containers ranging in size from 1 gallon to 85 gallons, or up to 90 gallons for over-packed drums, were used for storage of hazardous wastes in this building.

There were no documented spills of hazardous waste or materials outside of the Building 1602 hazardous waste storage facility. Visual inspection of the concrete and soil surrounding the HWSF did not reveal any noticeable discoloration. Minor discoloration was noted in several of the bays on the interior of the building. Evidence of paint spillage exists in some bays and trenches. Visual inspection of the floor system, however, did not reveal any cracks and the expansion joints appear to be intact.

3 CLOSURE ACTIVITIES

The contractor responsible for performing the facility decontamination and sampling activities was Tetra Tech NUS, Inc. (TtNUS). Shaw Environmental, Inc (Shaw [formerly IT Corporation]) was retained to provide Professional Engineering oversight for the closure activities and certification of the final closure of Building 1602 at NS Mayport. Both firms were retained under contract by Southern Division Naval Facilities Engineering Command (SOUTHDIV) to perform their respective tasks. The project manager for SOUTHDIV was Mr. Todd M. Dailey.

3.1 Sampling Plan

A Sampling Plan for Building 1602, Hazardous Waste Container Storage Facility Closure dated April 2002 was prepared by Todd Dailey. A copy of the Plan is included in Appendix D. The Sampling Plan was developed to clarify the sampling requirements necessary to support the clean closure of Building 1602. The Sampling Plan was used in conjunction with the closure plan to meet the requirements of the 40 CFR 264.111, "Closure Performance Standard" and all applicable closure standards by:

- Ensuring that the HWSF will require no further maintenance;
- Eliminating threats to human health and the environment; and
- Avoiding releases of hazardous wastes or constituents associated with past operations at the facility to surrounding soils, surface water, groundwater, or to the atmosphere.

The Sampling Plan was submitted to and approved by the FDEP. The primary points of contact at the FDEP Northeast District Jacksonville office were Mr. Chris Bodin and Mr. Ashwin Patel.

The Sampling Plan outlines the extent of sampling necessary to support the clean closure of Building 1602. Sampling conducted to demonstrate the successful clean closure of Building 1602 included collecting and analyzing samples of rinsate water from within the HWSF and soil samples from each side of the building. Specifically, the following media were sampled:

- Clean water prior to use for rinsing to establish background levels for rinse water,

- Wash water to determine proper waste disposition,
- Rinsate water from each area within the HWSF following cleaning to indicate that the building structures are sufficiently cleaned and to determine proper waste disposition, and
- Soils surrounding the HWSF to verify that hazardous waste container management activities have not contaminated the surrounding soils.

3.2 Health and Safety Plan

A Health and Safety Plan (HASP) was prepared by TtNUS for the decontamination services to be conducted at the HWSF. The plan is dated June 2002 and was available for review during site activities. TtNUS also conducted daily tailgate safety meetings for all personnel on site.

3.3 Site Activities

Decontamination activities were preceded by setting up a clean water supply (supplied by US Filter) at the HWSF and certification for the start of the decontamination process. TtNUS performed the first decontamination event from August 5, 2002 through August 9, 2002. Decontamination activities included pre-cleaning, application of wash water, and the application of an initial rinse and final rinse water.

Pre-cleaning consisted simply of removing any miscellaneous debris left in the building such as rags and empty pallets and thoroughly sweeping the bays and center section of the floor. Several of the sumps also contained rainwater and sediment that was either pumped or shoveled out prior to decontamination activities.

Pressure washing was accomplished by using a 2,500-psi pressure washer and Liquinox brand soap. The metal walls, windows, and fencing were washed with low pressure followed by a high-pressure wash of the concrete curbing (kneewall), floor, and sump. Wash water collected in the sump and was pumped to a 250-gallon storage tote supplied by NS Mayport. All bays were washed prior to beginning the initial rinse.

The initial rinse was conducted with low pressure and a wide-angle spray tip. All areas where soap was applied were rinsed. The walls and curbing were rinsed first then rinsing proceeded from the back of the bays to the front ending with the sumps. Rinse water was pumped from the sumps to a 250-gallon storage tote. TtNUS conducted the initial rinse of the all bays except the center section/bay. The initial and final rinse of the center section was conducted following final rinse of the other bays.

Final rinse of the bays consisted of a low-pressure rinse of the curbing (kneewall), flooring, and sumps. The final rinse water from each bay was sampled for chemical

analysis. A peristaltic pump was used to collect the samples directly from the rinse water in the bottom of the sump into the sample containers. Following the final rinse of Bay 1 through Bay 7, the center section/bay was initial rinsed and final rinsed. A sample of the final rinse water representative of the center section was collected from the manhole in the center section. Final rinse samples were analyzed for the parameters listed in Section 3.4.2 below.

Water samples were also collected from the clean water supply for quality control purposes and the initial wash water for disposal purposes. Based on analytical results, two bays, Bays 3 and 5, were re-washed and re-sampled on November 18, 2002.

Soil samples were collected at four locations (two depths per location) around the exterior of the building. A concrete core had to be cut through the apron on the south side of the building prior to sample collection. This was the only location that was paved and a core required. All eight soil samples were subsequently collected with a hand-auger which was decontaminated prior to collection of each soil sample. Soil samples were analyzed for the parameters listed in Section 3.4.1 below.

3.4 Analytical Results

Soil and water samples from the closure activities at Building 1602 were shipped via overnight carrier to Severn Trent Laboratories, Inc. Analytical results and summary tables are discussed below. The complete analytical data package from the lab has been provided to the FDEP electronically in .pdf format.

3.4.1 Soil Results

Soil samples were analyzed in accordance with the Sampling Plan for the following parameters:

Parameter	Method
Volatile Organic Compounds	8260
BNA Semi-Volatile Organic Compounds	8270
RCRA Metals	6010/7470
Polychlorinated Biphenyls (PCBs)	8082
Chlorinated Herbicides	8151
Organochlorine Pesticides	8081
Total Recoverable Petroleum Hydrocarbons	418.1/9073

Table 4 presents a summary of the analytical results for the shallow (SS) soil samples (sample numbers listed as: MPT-1602-SS01-01 to MPT-1602-SS04-01). Table 5 summarizes the analytical results for the deep (SB) soil samples (sample numbers listed as: MPT-1602-SB01-05 to MPT-1602-SB04-05). The shallow samples were collected from the 0 to12 inch depth interval and the deep samples were collected at a depth of five (5) feet.

Dieldrin, 4,4-DDE, 4,4-DDT, benzo(b)fluoranthene, benzo(k)fluoranthene, diethyl phthalate, and acetone were detected in one or more of the shallow soil samples at concentrations in excess of residential or commercial/industrial direct exposure SCTLs or the groundwater leachability limit (LEGW). Diethyl phthalate and acetone were detected in one or more of the deep soil samples at concentrations in excess of the LEGW. Groundwater was detected at five (5) feet for sample number MPT-1602-SB03-05. Further assessment of the soils will be deferred to the cleanup program.

3.4.2 Water Results

Water samples were analyzed in accordance with the Sampling Plan for the following parameters:

Parameter	Method
Volatile Organic Compounds	8260
BNA Semi-Volatile Organic Compounds	8270
RCRA Metals including Nickel	6010/7470
Polychlorinated Biphenyls (PCBs)	8082
Chlorinated Herbicides	8151
Organochlorine Pesticides	8081
Total Organic Carbon (TOC)	415.1/9060
Total Organic Halogens (TOX)	450.1/9020
Flash Point	1010
pH	9040
Total Cyanide	335.2, 335.3
Total Sulfide	376.1, 376.2
Total Recoverable Petroleum Hydrocarbons	418.1/9073

Table 1 presents a summary of the analytical results for the final rinse water samples from Bays 1, 2, and 3 (sample numbers listed as: MPT-1602-BAY# FR-01). Table 2 summarizes the analytical results for the final rinse water samples from Bays 4 and 5 (sample numbers listed as: MPT-1602-BAY# FR-01) plus a duplicate sample (sample number listed as: MPT-1602-BAY5 FR-01D) collected from Bay 5. Table 3 presents a summary of the analytical results for the final rinse water samples from Bays 6 and 7 (sample numbers listed as: MPT-1602-BAY# FR-01) and from the center bay or section (sample number listed as: MPT-1602-CB). The only parameters to be detected above their respective groundwater cleanup target level (GCTL) were lead, dieldrin, and bis(2-ethylhexyl)phthalate.

Lead was found consistently throughout the bays ranging from 13 to 117 ug/L. Only one bay was below the GCTL of 15 ug/L. The consistency of the lead found throughout the building is not indicative of a spill from waste management activities, but is believed to be a result of lead in the original concrete substrate, possibly as a result of fly ash used as an original ingredient.

Dieldrin was detected above the GCTL of 0.005 ug/L in all of the final rinse samples except the center section. The detection limit for the center section sample, however, was above the GCTL, therefore, it cannot be determined whether dieldrin was present in concentrations above the GCTL. The concentrations of dieldrin that were detected ranged from 0.019 ug/L to 0.2 ug/L. The likely source of dieldrin is the pre- and/or post treatment of the building foundation and floor system for termites. Government specifications contained requirements for termiticide on all buildings, even concrete and steel structures. The use of dieldrin was a standard practice for construction during the time period Building 1602 was constructed. Since dieldrin was detected throughout the building and not just in a single bay, the presence of dieldrin is more typical of an application, not a spill. Complete storage records have not been located for the period when dieldrin would have been stored at the facility. Dieldrin was used as a termiticide until about 1986. Pesticide application records from the time period when dieldrin would have been used at Building 1602 have been archived and subsequently lost.

Bis(2-ethylhexyl)phthlate was detected in all bays from 4.2 ug/L to 77 ug/L. Three bays were below the GCTL of 6 ug/L. A second round of decontamination and sampling was performed with the results showing bis(2-ethylhexyl)phthlate was still present above the GCTL. This chemical is primarily used as a plasticizer in polyvinyl chloride (PVC) resins for fabricating flexible vinyl products. In general, bis(2-ethylhexyl) phthalate appears to be used in a multitude of manufacturing processes from rubber products, coatings, adhesives, and other flexible products to inert ingredients in pesticides. Some of the common uses of bis(2-ethylhexyl)phthalate includes: inert ingredients in pesticide formulations as well as liquid soaps and detergents. It is believed that the bis(2-ethylhexyl)phthalate was found in the final rinse water at Building 1602 as a result of pesticide applications. The analysis shows that pesticide (dieldrin) is present at low levels in the facility.

In addition, to the above three chemical parameters detected, the rinse water sample for Bay 3 flashed at 141°F. The lab was asked to verify the sample result and the lab has stated that it is an actual value. A flashpoint was run on a spare sample from Bay 3 that was found in warm storage at the lab. The resulting flashpoint was 137°F.

VOC and SVOC analysis for Bay 3 did not show any constituents at levels high enough that could have caused a flashpoint. It was agreed on by all parties involved that it would have been impossible for the rinse water to have a flashpoint without some sort of outside contamination. The only reasonable explanation was the isopropyl alcohol used for sampling equipment decontamination. It is very possible that enough isopropyl could

have been left in the pump and tubing to contaminate several sample bottles, especially since there was about 8 feet of tubing used.

Isopropyl does evaporate readily and is soluble in water. A bottle containing a liquid with a small concentration of isopropyl will, when left open, lose the alcohol fairly quickly. Since closed-cup tests actually measure the flash point of vapors from a liquid rather than the liquid itself, what little alcohol there was would have vaporized before the water during the test, and would have produced a brief flash. After the test, the remaining sample would have been all, or mostly, water. Each of the two bottles tested probably flashed as a result of vaporization of the small amount of isopropyl in the water.

The Bay 3 flash point was retested during the second round of washing and sampling. The second round showed that the flash point was greater than 200 degrees F.

3.4.3 Investigative Derived Waste (IDW)

After reviewing the analytical results from the initial wash water sample, it was determined that the wash water and rinse water met the pretreatment standards of the National Pollutant Discharge Elimination System (NPDES) permit for the Mayport Federally-Owned Treatment Works (FOTW). A summary of the analytical results of the wash water is provided in Table 6. Final rinse sample results are summarized in Tables 1 through 3. With the coordination and approval of the FOTW engineer, the wash water and rinse water from the decontamination activities were introduced into the headworks of the treatment plant for disposal. Appendix E provides copies of the disposal certification for the decontamination wastewaters.

3.5 Chronology of Site Activities

Appendix F includes copies of the general correspondence discussed below for this project.

May 25, 1999	Operation permit #72442-001-HO, issued to allow the operation of hazardous waste container storage Building 1986 and closure of hazardous waste container storage Building 1602 at NS Mayport.
June 2002	Health and Safety Plan prepared by TtNUS
June 14, 2002	NS Mayport submits Sampling Plan to FDEP for review and approval and notification by NS Mayport that Building 1602 is no longer accepting hazardous material/waste.

June 27, 2002	Closure kickoff meeting held at NS Mayport. Mark Blowers with Shaw Environmental, Inc. conducts initial inspection for closure certification.
July 23, 2002	NS Mayport requests FDEP approval of the sampling plan and authorization to begin closure.
July 25, 2002	Culligan clean water supply system set up at Building 1602 by TtNUS. Clean water sample collected for analysis.
July 30, 2002	Shaw Environmental, Inc. submits letter to NS Mayport certifying Building 1602 is ready for decontamination.
July 31, 2002	FDEP approves the sampling plan for implementation and authorizes the Navy to commence closure.
August 2, 2002	Concrete borehole cut for future soil sampling effort by TtNUS
August 5-9, 2002	Decontamination activities conducted at Building 1602.

- August 5, 2002 Remove dirt and debris from Building 1602, clean out existing water and sediment from trenches, prep building for decontamination, and collect soil samples
- August 6, 2002 Complete cleaning of sumps and set up visqueen on exterior of building, and begin wash phase of building
- August 7, 2002 Pressure wash all seven bays plus main floor area. Pump wash water from trenches (sumps). Leak test of manhole initiated.
- August 8, 2002 Leak test of manhole completed. Initial rinse of seven bays. Final rinse of Bays 1 through 4 and collection of final rinse samples for those bays.
- August 9, 2002 Final rinse Bays 5 through 7 and collect final rinse samples. Initial and final rinse of drain and the main section of the building, collect final rinse sample from manhole for main section/bay.

November 15, 2002	TtNUS on site to prepare for additional decontamination activities to be conducted on November 18, 2002.
November 18, 2002	Rewash Bays 3 and 5 including initial and final rinses. Samples collected from the final rinse water for each bay. Plus, source

	water sample collected prior to washing and equipment blank collected for analysis of bis-2(ethylhexyl)phthalate.
December 11, 2002	NS Mayport requests extension of Building 1602 closure deadline from FDEP.
December 17, 2002	Letter from FDEP approving a 90-day extension to complete closure of Building 1602. New due date is March 31, 2003.

4 CONCLUSION

Operation Permit #72442-001-HO was issued to U.S. Naval Station Mayport (NS Mayport) on May 25, 1999. The operation permit allows operation of the hazardous waste container storage Building 1986 and closure of the hazardous waste container storage Building 1602. Closure of Building 1602 has been completed and was conducted in accordance with the permit, the closure plan found in Attachment T of the permit application, and the Sampling Plan prepared for the facility and submitted to and approved by the Florida Department of Environmental Protection (FDEP).

Closure of the facility involved the removal of all waste, followed by cleaning and decontamination of the structure, and monitoring to demonstrate that decontamination has been effective.

Decontamination activities were conducted at Building 1602 from August 5, 2002 through August 9, 2002 with a resampling event conducted on November 18, 2002. These activities consisted of a thorough pressure washing and double rinsing of the walls, floor, and sumps inside the building. All wash water and rinse water was collected for proper disposal. These waters were subsequently disposed of at NS Mayport's federally-owned treatment works (FOTW).

Samples of the final rinse waters from the building were collected and analyzed as an indication of the completeness of decontamination activities. These samples were analyzed for volatile organic compounds, semi-volatile organic compounds, metals, PCBs, total recoverable petroleum hydrocarbons, chlorinated herbicides, chlorinated pesticides, total organic carbon, total organic halogens, pH, flash point, total cyanide and total sulfide. Only three constituents were detected above their respective groundwater cleanup target levels (GCTL) and these constituents were subsequently attributed to sources other than contamination from the storage of hazardous materials at Building 1602.

Soil samples were also collected from around the exterior of the building to determine whether there was a potential for soil contamination resulting from past storage practices and analyzed for a similar list of constituents. Seven parameters were identified that exceeded either the residential or commercial/industrial direct exposure soil cleanup target levels (SCTLs) or the groundwater leachability limit (LEGW). As agreed by the FDEP, further assessment of the soils will be deferred to the cleanup program.

Based on the activities conducted at Building 1602, clean closure of the facility has been accomplished and no further maintenance, controls, or monitoring are necessary to minimize or eliminate threats to human health and the environment as part of past hazardous waste storage facility (HWSF) activities conducted. The Closure Certification can be found at the front of this report.

LIMITATIONS

The services described in this report were performed consistent with generally accepted professional consulting principles and practices. No other warranty, express or implied, is made. These services were performed consistent with our agreement with our client. This report is solely for the use and information of our client unless otherwise noted. Any reliance on this report by a third party is at such party's sole risk.

Opinions and recommendations contained in this report apply to conditions existing when services were performed and are intended only for the client, purposes, locations, time frames, and project parameters indicated. We are not responsible for the impacts of any changes in environmental standards, practices, or regulations subsequent to performance of services. We do not warrant the accuracy of information supplied by others, nor the use of segregated portions of this report.

TABLES

TABLE 1

ANALYTICAL SUMMARY-FINAL RINSE WATER BAYS 1 TO 3

SUMMARY OF ORGANIC AND INORGANIC COMPOUNDS DETECTED - BLDG 1602

NAVAL STATION MAYPORT, MAYPORT FLORIDA

Sample Number		MPT-1602-BAY1 FR-01	MPT-1602-BAY2 FR-01	MPT-1602-BAY3 FR-01
Sample Location		Bay 1	Bay 2	Bay 3
Collection Date		8/8/2002	8/8/2002	8/8/2002
	GCTL / MDL			
Micellaneous				
CYANIDE (mg/L)	200 / 0.0016	0.005	0.004 U	0.003 U
FLASHPOINT	NA	200 L	201 L	141
pH	NA	8.9	9.4 I	9.4 I
TOTAL ORGANIC CARBON (mg/L)	NA / 0.0047	12.2	30.2 I	13.5 I
TOTAL ORGANIC HALIDES (mg/L)	NA / 0.0047	0.058 I	0.12 I	0.11 I
Metals µg/L				
ARSENIC	50 / 1.7	4.8	4.9	2.5
BARIUM	2000 / 0.16	29.5	57.7	66.9
CADMIUM	5 / 0.28	0.99	1.3	1.0
CHROMIUM	100 / 0.57	29.0	21.0	19.5
LEAD	**15** / 1.7	50.8	65.5	75.4
NICKEL	100 / 0.63	11.9	10.7	5.9
SELENIUM	50 / 1.0	1.0 U	2.2	1.0 U
Pesticides/PCBs µg/L				
ALDRIN	0.01 / 0.0066	0.008 I	0.050 U	0.050 U
ALPHA-CHLORDANE	NA / 0.0076	0.008 I	0.050 U	0.050 U
DELTA-BHC	2.10 / 0.0033	0.050 U	0.005 I	0.050 U
DIELDRIN	**0.01** / 0.0076	0.019 I	0.13 I	0.11 I
ENDOSULFAN I	NA / 0.0098	0.011 I	0.050 U	0.050 U
ENDOSULFAN II	NA / 0.0073	0.050 U	0.020 I	0.050 U

Notes:

Bold indicates an exceedance of limits. **Bold** indicates which limit has been exceeded.

GCTL = Groundwater Target Cleanup Level from Chapter 62-777, F.A.C.
MDL = Method Detection Limit as provided by the laboratory performing the analysis.
mg/L = Milligrams per liter
U = Compound not detected
L = Actual value of parameter is known to be higher than the value reported
I = Indicates the presence of a chemical at an estimated concentration
µg/L = Micrograms per liter
PCBs = Polychlorinated Biphenyls
NA = Not applicable
F.A.C. = Florida Administrative Code

TABLE 1

ANALYTICAL SUMMARY-FINAL RINSE WATER BAYS 1 TO 3

SUMMARY OF ORGANIC AND INORGANIC COMPOUNDS DETECTED - BLDG 1602

NAVAL STATION MAYPORT, MAYPORT FLORIDA

Sample Number		MPT-1602-BAY1 FR-01	MPT-1602-BAY2 FR-01	MPT-1602-BAY3 FR-01
Sample Location		Bay 1	Bay 2	Bay 3
Collection Date		8/8/2002	8/8/2002	8/8/2002
	GCTL / MDL			
Pesticides/PCBs Continued µg/L				
ENDRIN	2 / 0.012	0.023 I	0.050 U	0.035 I
ENDRIN ALDEHYDE	NA / 0.0042	0.020 I	0.050 U	0.050 U
GAMMA-CHLORDANE	NA / 0.0089	0.030 I	0.057 I	0.020 I
HEPTACHLOR EPOXIDE	0.20 / 0.0036	0.008 I	0.007 I	0.050 U
SVOCs µg/L				
4-NITROPHENOL	56 / 1.9	3.2 I	50 U	50 U
ACETOPHENONE	700 / 0.85	11 U	1.1 I	10 U
BIS(2-ETHYLHEXYL)PHTHALATE	6 / 0.96	37	6.9 I	28
DI-N-BUTYL PHTHALATE	700 / 1.2	1.4 I	9.9 U	10 U
PHENOL	10 / 2.1	11 U	2.3 I	10 U
VOCs µg/L				
ACETONE	700 / 2.5	10 U	3 I	3.4 I

Notes:

Bold indicates an exceedance of limits. **Bold** indicates which limit has been exceeded.

GCTL = Groundwater Target Cleanup Level from Chapter 62-777, F.A.C.
MDL = Method Detection Limit as provided by the laboratory performing the analysis.
PCBs = Polychlorinated Biphenyls
µg/L = Micrograms per liter
I = Indicates the presence of a chemical at an estimated concentration
U = Compound not detected
NA = Not applicable
SVOCs = Semi-Volatile Organic Compounds
VOCs = Volatile Organic Compounds
F.A.C. = Florida Administrative Code

TABLE 2

ANALYTICAL SUMMARY-FINAL RINSE WATER BAYS 4, 5 AND BAY 5 DUPLICATE

SUMMARY OF ORGANIC AND INORGANIC COMPOUNDS DETECTED - BLDG

NAVAL STATION MAYPORT, MAYPORT FLORIDA

Sample Number		MPT-1602-BAY4 FR-01	MPT-1602-BAY5 FR-01	MPT-1602-BAY5 FR-01D
Sample Location		Bay 4	Bay 5	Bay 5 Dup
Collection		8/8/2002	8/9/2002	8/9/2002
	GCTL / MDL			
Miscellaneous				
FLASHPOINT	NA	201 L	201 L	201 L
pH	NA	9.4 I	9.4	9.2
SULFIDE (mg/L)	NA / 0.12	1 U	1 U	4
TOTAL ORGANIC CARBON (mg/L)	NA / 0.0047	8.1 I	10.4 I	12 I
TOTAL ORGANIC HALIDES (mg/L)	NA / 0.0047	0.069 I	0.059 I	0.042 I
Metals µg/L				
ARSENIC	50 / 1.7	1.7	2.3	1.7 U
BARIUM	2000 / 0.16	36.5	22.4	21.2
CADMIUM	5 / 0.28	0.91	0.52	0.49
CHROMIUM	100 / 0.57	11.1	8.5	7.9
LEAD	15 / 1.7	35.5	13.5	11.3
NICKEL	100 / 0.63	4.5	30.0	23.9
Pesticides/PCBs µg/L				
DIELDRIN	0.01 / 0.0076	0.11 I	0.20 I	0.16 I
ENDRIN	2 / 0.12	0.050 U	0.020 I	0.013 I
GAMMA-CHLORDANE	NA / 0.0089	0.010 I	0.024 I	0.021 I
HEPTACHLOR	0.40 / 0.0073	0.009 I	0.050 U	0.050 U
SVOCs µg/L				
BIS(2-ETHYLHEXYL)PHTHALATE	6 / 0.96	4.2 I	8.1 I	77
BUTYL BENZYL PHTHALATE	NA / 0.97	1.2 I	9.6 U	10 U
DI-N-OCTYL PHTHALATE	140 / 0.91	9.6 U	0.92 I	10 U
N-NITROSODIPHENYLAMINE	7.10 / 4.0	9.6 U	5.2 I	5.1 I
VOCs µG/L				
ACETONE	700 / 2.5	10 U	3.2 I	2.8 I

Notes:

Bold indicates an exceedance of limits. Bold indicates which limit has been exceeded.

GCTL = Groundwater Target Cleanup Level from Chapter 62-777, F.A.C.
MDL = Method Detection Limit as reported by the laboratory performing the analysis.
NA = Not applicable
L = Actual value of parameter is known to be higher than the value reported
I = Indicates the presence of a chemical at an estimated concentration
mg/L = Milligrams per liter
U = Compound not detected
F.A.C. = Florida Administrative Code
µg/L = Micrograms per liter
PCBs = Polychlorinated Biphenyls
SVOCs = Semi-Volatile Organic Compounds
VOCs = Volatile Organic Compounds

TABLE 3

ANALYTICAL SUMMARY-FINAL RINSE WATER BAYS 6, 7, AND CENTER BAY (CB)

SUMMARY OF ORGANIC AND INORGANIC COMPOUNDS DETECTED - BLDG 1602

NAVAL STATION MAYPORT, MAYPORT FLORIDA

Sample Number		MPT-1602-BAY6 FR-01	MPT-1602-BAY7 FR-01	MPT-1602-CB
Sample Location		Bay 6	Bay 7	CB
Collection		8/9/2002	8/9/2002	8/9/2002
	GCTL / MDL			
Miscellaneous				
FLASHPOINT	NA	201 L	201 L	201 L
PH	NA	9.4	9.4	9.3
SULFIDE (mg/L)	NA / 0.12	4	1 U	1 U
TOTAL ORGANIC CARBON (mg/L)	NA / 0.0047	11.7 I	8.8 I	25.4 I
TOTAL ORGANIC HALIDES (mg/L)	NA / 0.0047	0.051 I	0.061 I	0.15 I
Metals µg/L				
ARSENIC	50 / 1.7	1.7 U	1.7 U	5.7
BARIUM	2000 / 0.16	35.1	19.7	119
CADMIUM	5 / 0.28	1.2	0.54	3.0
CHROMIUM	100 / 0.57	15.2	6.7	41.7
LEAD	15 / 1.7	41.1	19.1	117
NICKEL	100 / 0.63	13.3	4.4	21.9
SELENIUM	50 / 1.0	1.0 U	1.0 U	1.3
SILVER	100 / 0.37	1.3 U	15.2	2.0 U
Pesticides/PCBs µg/L				
4,4'-DDT	0.10 / 0.0045	0.050 U	0.050 U	0.009 I
DIELDRIN	0.01 / 0.0076	0.14 I	0.16 I	0.050 U
ENDOSULFAN II	NA / 0.0073	0.050 U	0.050 U	0.017 I
ENDRIN	2 / 0.12	0.050 U	0.050 U	0.057 I
ENDRIN ALDEHYDE	NA / 0.0042	0.050 U	0.050 U	0.056 I
GAMMA-CHLORDANE	NA / 0.0089	0.022 I	0.050 U	0.042 I

Notes:

Bold indicated and exceedance of limits. **Bold** indicated which limit has been exceeded.

GCTL = Groundwater Target Cleanup Level from Chapter 62-777, F.A.C.
MDL = Method Detection Limit as reported by the laboratory perfoming the analysis.
NA = Not applicable
L = Actual value of parameter is known to be higher than the value reported
mg/L = Milligrams per liter
U = Compound not detected
I = Indicates the presence of a chemical at an estimated concentration
µg/L = Micrograms per liter
PCBs = Polychlorinated Biphenyls
F.A.C. = Florida Administrative Code

TABLE 3

ANALYTICAL SUMMARY-FINAL RINSE WATER BAYS 6, 7, AND CENTER BAY (CB)

SUMMARY OF ORGANIC AND INORGANIC COMPOUNDS DETECTED - BLDG 1602

NAVAL STATION MAYPORT, MAYPORT FLORIDA

Sample Number		MPT-1602-BAY6	MPT-1602-BAY7	MPT-1602-CB
Sample Location		Bay 6	Bay 7	CB
Collection		8/9/2002	8/9/2002	8/9/2002
	GCTL / MDL			
SVOCs µg/L				
ACETOPHENONE	700 / 0.85	11 U	9.9 U	2 I
BIS(2-ETHYLHEXYL)PHTHALATE	6 / 0.96	55	5.8 I	28
BUTYL BENZYL PHTHALATE	NA / 0.97	11 U	9.9 U	1.2 I
DI-N-BUTYL PHTHALATE	700 / 1.2	11 U	9.9 U	2.6 I
DI-N-OCTYL PHTHALATE	140 / 0.91	1.1 I	9.9 U	2.4 I
N-NITROSODIPHENYLAMINE	7.10 / 4.0	5.6 I	6 I	10 U
PHENOL	10 / 2.1	11 U	9.9 U	2.3 I
VOCs µg/L				
ACETONE	700 / 2.5	2.6 I	3.2 I	5.3 I

Notes:

Bold indicated and exceedance of limits. **Bold** indicated which limit has been exceeded.

GCTL = Groundwater Target Cleanup Level from Chapter 62-777, F.A.C.
MDL = Method Detection Limit as reported by the laboratory performing the analysis.
SVOCs = Semi-Volatile Organic Compounds
µg/L = Micrograms per liter
U = Compound not detected
I = Indicates the presence of a chemical at an estimated concentration
NA = Not applicable
VOCs = Volatile Organic Compounds
F.A.C. = Florida Administrative Code

TABLE 4

ANALYTICAL SUMMARY-SHALLOW SOIL SAMPLES

SUMMARY OF ORGANIC AND INORGANIC COMPOUNDS DETECTED - BLDG 1602

NAVAL STATION MAYPORT, MAYPORT FLORIDA

					Sample Number	MPT-1602-SS01-01	MPT-1602-SS02-01	MPT-1602-SS03-01	MPT-1602-SS04-01
					Sample Location	SS-1	SS-2	SS-3	SS-4
					Date	8/5/2002	8/5/2002	8/5/2002	8/5/2002
	DE1	DE2	LEGW	MDL Range (Min – Max)					
Metals (mg/kg)									
BARIUM	110	87000	1600	0.020-0.021		12.5	17.6	6.0	8.6
CADMIUM	75	1300	8	0.031-0.033		0.24	0.22	0.04	0.11
CHROMIUM	NA	NA	NA	0.061-0.062		6.4	3.4	2.6 U	2.2 U
NICKEL	110	28000	130	0.14-0.15		1.0	1.2	0.78	0.71
Pesticides/PCBs (µg/kg)									
4,4'-DDD	4.60	18	4	0.43		0.83 I	1.3 I	1.8 U	1.2 I
4,4'-DDE	**3.30**	13	18	0.13		0.34 I	4.4	1.8 U	1.1 I
4,4'-DDT	**3.30**	13	11	0.15		1.4 I	9.7	0.33 I	6.8
ALPHA-CHLORDANE	NA	NA	NA	0.23		0.27 I	1.8 U	1.8 U	1.8 U
AROCLOR-1260	NA	NA	NA	5.7-5.8		35 U	11 I	35 U	10 I
DIELDRIN	**0.07**	**0.30**	**0**	0.13		4.1	1.8 U	1.8 U	1.8 U
ENDOSULFAN II	NA	NA	NA	0.17		0.54 I	1.8 U	1.8 U	1.8 U
ENDRIN ALDEHYDE	NA	NA	NA	0.14		1.8 U	1.8 U	1.8 U	0.34 I

Notes: Bold indicates an exceedance of limits. **Bold** indicates which regulatory limit has been exceeded.

DE1 / DE2 = Direct Exposure Residential / Industrial Limit from Chapter 62-777, F.A.C.
LEGW = Groundwater Leachability Limit from Chapter 62-777, F.A.C.
MDL Range = Method Detection Limit as reported by the laboratory performing the analysis (Value varies based on weight and percent moisture of sample aliquot).
µg/kg = Micrograms per kilogram
NA = Not applicable
U = Compound not detected
PCBs = Polychlorinated Biphenyls
I = Indicates the presence of a chemical at an estimated concentration
F.A.C. = Florida Administrative Code

TABLE 4

ANALYTICAL SUMMARY-SHALLOW SOIL SAMPLES

SUMMARY OF ORGANIC AND INORGANIC COMPOUNDS DETECTED - BLDG 1602

NAVAL STATION MAYPORT, MAYPORT FLORIDA

					Sample Number	MPT-1602-SS01-01	MPT-1602-SS02-01	MPT-1602-SS03-01	MPT-1602-SS04-01
					Sample Location	SS-1	SS-2	SS-3	SS-4
					Date	8/5/2002	8/5/2002	8/5/2002	8/5/2002
	DE1 /	DE2 /	LEGW /	MDL Range (Min – Max)					
SVOCs (µg/kg)									
BENZO(B)FLUORANTHENE	**1.40** /	**4.80** /	**10** /	47		350 U	350 U	350 U	48 I
BENZO(K)FLUORANTHENE	**15** /	52 /	**25** /	45		350 U	45 I	350 U	350 U
CHRYSENE	140 /	450 /	77 /	34		350 U	36 I	350 U	43 I
DIETHYL PHTHALATE	54000 /	920000 /	**86** /	28-34		110 I	350 U	350 U	88 I
PENTACHLOROETHANE	NA /	NA /	NA /	18-24		1700 U	53 I	38 I	39 I
TPH (mg/kg)									
TPH	340 /	2500 /	340 /	14.3-14.5		204	35.1 U	57.3	35 U
VOCs (µg/kg)									
2-BUTANONE	3100 /	21000 /	17 /	0.64-0.66		1.6 I	15 U	15 U	0.91 I
ACETONE	780 /	5500 /	**2.80** /	3.7-3.8		5.9 I	4.8 I	5.2 I	4.6 I

Notes: Bold indicates an exceedance of limits. **Bold** indicates which regulatory limit has been exceeded.

DE1 / DE2 = Direct Exposure Residential / Industrial Limit from Chapter 62-777, F.A.C.

LEGW = Groundwater Leachability Limit from Chapter 62-777, F.A.C.

MDL Range = Method Detection Limit as reported by the laboratory performing the analysis (Value varies based on weight and percent moisture of sample aliquot).

µg/kg = Micrograms per kilogram

U = Compound not detected

I = Indicates the presence of a chemical at an estimated concentration

NA = Not applicable

SVOCs = Semi-Volatile Organic Compounds

TPH = Total Petroleum Hydrocarbons

VOCs = Volatile Organic Compounds

F.A.C. = Florida Administrative Code

TABLE 5

ANALYTICAL SUMMARY-DEEP SOIL SAMPLES

SUMMARY OF ORGANIC AND INORGANIC COMPOUNDS DETECTED - BLDG 1602

NAVAL STATION MAYPORT, MAYPORT FLORIDA

		Sample Number	MPT-1602-SB01-05	MPT-1602-SB02-05	MPT-1602-SB02-05-D	MPT-1602-SB03-05	MPT-1602-SB04-05
		Sample Location	SB-1	SB-2	SB-2 DUP	SB-3	SB-4
		Date	8/5/2002	8/5/2002	8/5/2002	8/5/2002	8/5/2002
	DE1 /	DE2 /	LEGW /	MDL Range (Min – Max)			
Metals (mg/kg)							
BARIUM	110 /	87000 /	1600 /	0.021-0.022	4.7	5.7 I	10.1 I	3.6	5.7
CADMIUM	75 /	1300 /	8 /	0.031-0.033	0.07	0.05	0.06	0.04 U	0.05
NICKEL	110 /	28000 /	130 /	0.14-0.15	1.0	0.46	0.57	0.62	0.50
Pesticides/PCBs (µg/kg)									
4,4'-DDE	3.30 /	13 /	18 /	0.14	1.9 U	0.79 I	1.9	1.9 U	0.36 I
4,4'-DDT	3.30 /	13 /	11 /	0.15-0.16	1.9 U	1.2 I	2.7	1.9 U	0.92 I
ENDRIN ALDEHYDE	NA /	NA /	NA /	0.15-0.16	1.9 U	1.8 U	0.41 I	1.9 U	1.8 U
SVOCs (µg/kg)									
DIETHYL PHTHALATE	54000 /	920000 /	**86** /	29-34	170 I	180 I	300 I	380 U	160 I
PENTACHLOROETHANE	NA /	NA /	NA /	18-20	23 I	47 I	29 I	55 I	48 I
VOCs (µg/kg)									
2-BUTANONE	3100 /	21000 /	17 /	0.60-0.81	1.4 I	16 U	18 U	15 U	1 I
ACETONE	780 /	5500 /	**2.80** /	3.5-4.6	7.5 I	6.5 I	9.4 I	6.5 I	5.5 I

Notes: **Bold** indicates an exceedance of limits. **Bold** indicates which limit has been exceeded.

DE1 / DE2 = Direct Exposure Residential / Industrial Limit from Chapter 62-777, F.A.C.
LEGW = Groundwater Leachability Limit from Chapter 62-777, F.A.C.
MDL Range = Method Detection Limit as reported by the laboratory performing the analysis (Value varies based on weight and percent moisture of sample aliquot).
mg/kg = Milligrams per kilogram
I = Indicates the presence of a chemical at an estimated concentration
U = Compound not detected
PCBs = Polychlorinated Biphenyls
SVOCs = Semi-Volatile Organic Compounds
µg/kg = Micrograms per kilogram
NA = Not applicable
VOCs = Volatile Organic Compounds
F.A.C. = Florida Administrative Code

TABLE 6

ANALYTICAL SUMMARY-WASH WATER COMPOSITE SAMPLE

SUMMARY OF ORGANIC AND INORGANIC COMPOUNDS DETECTED - BLDG 1602

NAVAL STATION MAYPORT, MAYPORT FLORIDA

Sample Number		MPT-1602-WW-01
Sample Location		Wash Water
Collection Date		8/9/2002
	GCTL / MDL	
Metals µg/L		
ARSENIC	50 / 1.7	83.2
BARIUM	2000 / 0.16	1490
CADMIUM	5 / 0.28	21.5
CHROMIUM	100 / 0.57	633
LEAD	15 / 1.7	2040
MERCURY	2 / 0.063	8.0
NICKEL	100 / 0.63	178
SELENIUM	50 / 1.0	4.6
SILVER	100 / 0.37	27.9
Pesticides/PCBs µg/L		
4,4'-DDT	0.10 / 0.0045	0.007 I
DELTA-BHC	2.10 / 0.0033	0.009 I
DIELDRIN	0.01 / 0.0076	0.074 I
ENDOSULFAN II	NA / 0.0073	0.026 I
ENDRIN	2 / 0.12	0.037 I
ENDRIN ALDEHYDE	NA / 0.0042	0.030 I
GAMMA-CHLORDANE	NA / 0.0089	0.070
HEPTACHLOR EPOXIDE	0.20 / 0.0036	0.012 I
SVOCs µg/L		
4-NITROPHENOL	56 / 1.9	2 I
ACETOPHENONE	700 / 0.85	3.2 I
BIS(2-ETHYLHEXYL)PHTHALATE	6 / 0.96	31
BUTYL BENZYL PHTHALATE	NA / 0.97	12
PHENOL	10 / 2.1	2.2 I
VOCs µg/L		
ACETONE	700 / 2.5	2.6 I

Notes:

GCTL = Groundwater Target Cleanup Level from Chapter 62-777, F.A.C.
MDL = Method Detection Limit as reported by the laboratory performing the analysis.
µg/L = Micrograms per liter
PCBs = Polychlorinated Biphenyls
I = Indicates the presence of a chemical at an estimated concentration
NA = Not applicable
SVOCs = Semi-Volatile Organic Compounds
VOCs = Volatile Organic Compounds
F.A.C. = Florida Administrative Code

TABLE 7

ANALYTICAL SUMMARY-TRIP BLANK DATA

SUMMARY OF ORGANIC COMPOUNDS DETECTED - BUILDING 1602

NAVAL STATION MAYPORT, MAYPORT, FLORIDA

		Sample Number	TRIP BLANK 01	TRIP BLANK 02, 03, 04	TRIP BLANK 080502	TRIP BLANK-5,6,7,WW,CB
		Sample Location				
		Date	8/8/2002	8/8/2002	8/5/2002	8/9/2002
	GCTL / MDL					
VOCs (ug/L)						
ACETONE	700 / 2.5		3.4 I	4.8 I	10 U	10 U

Notes:

Bold indicates an exceedance of limits. Bold indicates which regulatory limit has been exceeded.

GCTL = Groundwater Cleanup Target Level from Chapter 62-777, FAC
MDL = Method Detection Limit as reported by the laboratory performing the analysis
ug/L = Micrograms per liter
I = Indicates the presence of a chemical at an estimated concentration
U = Compound not detected
VOCs = Volatile organic compounds
FAC = Florida Administrative Code

TABLE 8

ANALYTICAL SUMMARY-FINAL RINSE RE-SAMPLING, EQUIPMENT BLANK, AND SOURCE WATER

SUMMARY OF ORGANIC COMPOUNDS DETECTED - BUILDING 1602

NAVAL STATION MAYPORT, MAYPORT, FLORIDA

	GCTL / MDL	Sample Number Sample Location Date	MPT-1602-BAY3 RESAMPLE Bay 3 11/18/2002	MPT-1602-BAY5 RESAMPLE Bay 5 11/18/2002	MPT-1602-EB-1 Equip. Blank 11/18/2002	MPT-1602-SOURCE-01 Source Water 11/18/2002
Miscellaneous						
FLASHPOINT	NC / NC		200 L	NA	NA	NA
SVOCs (ug/L)						
Bis(2-EthylHexyl)Phthalate	6 / 0.96		22	15	9.6 U	9.8 U

Notes:

Bold indicates an exceedance of limits. Bold indicates which regulatory limit has been exceeded.

GCTL = Groundwater Cleanup Target Level from Chapter 62-777, FAC
MDL = Method Detection Limit as reported by the laboratory performing the analysis
NC = No criteria
ug/L = Micrograms per liter
L = Actual value of parameter is known to be higher than the value reported
U = Compound not detected
SVOCs = Semi-volatile organic compounds
FAC = Florida Administrative Code

FIGURES

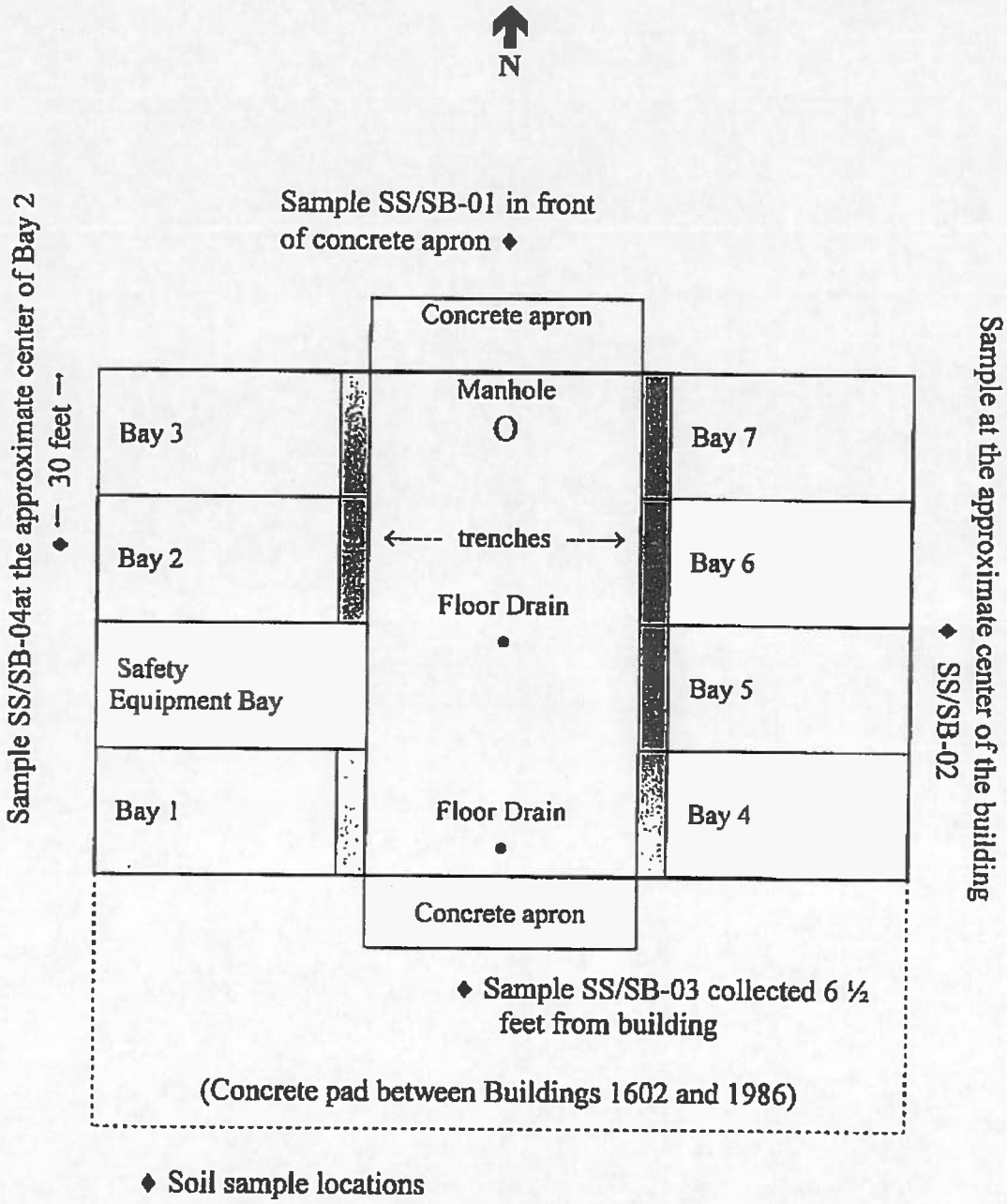

Figure 1 - Building 1602 Layout and Soil Sample Locations

APPENDIX A

CLOSURE PERMIT

1090.12
PERMIT BIN
N4E4 cop

Department of Environmental Protection

FLORIDA

Jeb Bush
Governor

Northeast District
7825 Baymeadows Way, Suite B200
Jacksonville, Florida 32256-7590

David B. Struhs
Secretary

May 25, 1999

CERTIFIED - RETURN RECEIPT

Captain Jan Gaudio
U.S. Naval Station - Mayport
Post Office Box 280067
Mayport, Florida 32228-0067

Dear Captain Gaudio:

U.S. Naval Station – Mayport
FL9 170 024 260
Permit #72442-001-HO
Duval County - Hazardous Waste

Enclosed is an operation permit #72442-001-HO, dated May 25, 1999, issued pursuant to Chapter 403, Florida Statutes (F.S.) and Rule 62-730, Florida Administrative Code. The operation permit allows operation of the hazardous waste container storage Building 1986 and closure of the hazardous waste container storage Building 1602.

Acceptance of the permit constitutes notice and agreement that the Department may periodically review this permit for compliance, including site inspections where applicable, and may initiate enforcement actions for violation of the conditions and requirements thereof.

Any party to this permit has the right to seek judicial review of the permit pursuant to Section 120.68, F.S., by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Office of General Counsel, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000; and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate

District Court of Appeal. The Notice of Appeal must be filed within thirty (30) days from the date of this Notice is filed with the Clerk of the Department.

Executed in Jacksonville, Florida,

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION

Michael J. Fitzsimmons

Michael J. Fitzsimmons
Waste Program Administrator
Northeast District
7825 Baymeadows Way, Suite B-200
Jacksonville, FL 32256-7590

MJF:ap

Enclosures

cc: Narindar Kumar, EPA
Satish Kastury, DEP
Jeff Brown, OGC
LCDR Linda Young, Navy
Jim Schroeder, P.E., Navy
Cheryl Mitchell, Navy

Department of Environmental Protection

Jeb Bush
Governor

Northeast District
7825 Baymeadows Way, Suite B200
Jacksonville, Florida 32256-7590

David B. Struhs
Secretary

PERMITTEE:

U.S. Naval Station - Mayport
Post Office Box 280067
Mayport, Florida 32228-0067

Attn: Capt. Jan Gaudio

I.D. Number: FL9 170 024 260
Permit/Cert Number: 72442-001-HO
Date of Issue: May 25, 1999
Expiration Date: May 24, 2004
County: Duval
Lat/Long: 30°23'55" N/81°25'19" W
Section/Township/Range: 20/1S/29E
Project: Operation of hazardous waste container storage Building 1986 and Closure of hazardous waste container storage Building 1602.

This permit is issued under the provisions of Chapter 403.722, Florida Statutes(F.S.), and Florida Administrative Code(F.A.C.) Rule(s) 62-4 and 62-730. The above named Permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the Department and made a part hereof and specifically described as follows:

To operate the hazardous waste storage Building 1986 located at U.S. Naval Station - Mayport, Mayport Road, Mayport, Florida. Building 1986 is described on Figure B-2 and P-8 through P-18 of the permit application. Building 1986 is a 7600 square foot single story building, with a storage space of 6000 square feet, surrounded by an 8' high chain link fence. Building 1986 consists of 12" concrete pad and 12" concrete block walls. The storage area in the building is divided into six storage bays with a separate spill containment trench for each bay. Building 1986 is designed for a maximum storage capacity of 464 55-gallon containers for a total volume of 25,520 gallons of hazardous waste. Containers ranging in size from 1-gallon to 85-gallons, or 90-gallons in case of over-packed drums, will be used for storage of hazardous wastes in this building. Designated hazardous waste codes for the wastes that will be stored in this building are listed in Attachment A.

To close the hazardous waste storage Building 1602 located at U.S. Naval Station - Mayport, Mayport Road, Mayport, Florida. Building 1602 is described on Figure B-2 and P-1 through P-7 of the permit application. Building 1602 is a 3800 square foot single story building, surrounded by a 6' high chain link fence. The storage area is divided into seven storage bays with a separate spill containment trench for each bay. Building 1602 is designed for a maximum storage capacity of 480 55-gallon containers for a total volume of 26,400 gallons of hazardous waste. Containers ranging in size from 1 gallon to 85 gallons, or 90 gallons in case over-packed drums, were used for storage of hazardous wastes in this building.

Operation of Building 1986 and closure of Building 1602 will be in accordance with the permit application dated May 12, 1995, and supplemental information dated August 21, 1995; November 1, 1995; December 4, 1995 and August 20, 1998.

PERMITTEE:
U.S. Naval Station - Mayport
Post Office Box 280067
Mayport, Florida 32228-0067

I.D. Number: FL9 170 024 260
Permit/Cert Number: 72442-001-HO
Date of Issue: May 25, 1999
Expiration Date: May 24, 2004

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions" and as such are binding upon the permittee and enforceable pursuant to the authority of Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is hereby placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of the "Permit Conditions" by the permittee, its agents, employees, servants, or representatives.

2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.

3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Nor does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations. This permit does not constitute a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in the permit.

4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.

5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, plant or aquatic life or property and penalties therefore caused by the construction or operation of this permitted source, nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.

6. The permittee shall at all times properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.

7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:

   a. Having access to and copying any records that must be kept under the conditions of the permit;

   b. Inspecting the facility, equipment, practices, or operations regulated or required under this permit; and

   c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.

   Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with, or will be unable to comply with, any condition or limitation specified in this permit, the permittee shall immediately notify and provide the Department with the following information:

   a. a description of and cause of non-compliance; and

   b. the period of non-compliance, including exact dates and times; or, if not corrected, the anticipated time the non-compliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the non- compliance.

   The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source, which are submitted to the Department, may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is proscribed by Sections 403.73 and 403.111, Florida Statutes. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.

10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance, provided however, the permittee does not waive any other rights granted by Florida Statutes or Department rules. A reasonable time for compliance with a new or amended surface water quality standard, other than those standards addressed in Rule 62- 302.500, F.A.C., shall include a reasonable time to obtain or be denied a mixing zone for the new or amended standard.

11. This permit is transferable only upon Department approval in accordance with Florida Administrative Code Rules 62-4.120 and 62-730.300, as applicable. The permittee shall be liable for any noncompliance of the permitted activity until the transfer is approved by the Department.

12. This permit is required to be kept at the work site of the permitted activity during the entire period of construction, operation, or closure.

13. This permit also constitutes:

( ) Determination of Best Available Control Technology (BACT)
( ) Determination of Prevention of Significant Deterioration (PSD)
( ) Certification of Compliance with State Water Quality Standards (Section 401, PL 92-500)
( ) Compliance with New Source Performance Standards

14. The permittee shall comply with the following monitoring and record keeping requirements:

a. Upon request, the permittee shall furnish all records and plans required under Department rules. The retention period for all records will be extended automatically, unless otherwise stipulated by the Department, during the course of any unresolved enforcement action.

b. The permittee shall retain at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation), copies of all reports required by this permit, and records of all data used to complete the application for this permit. The time period of retention shall be at least three years from the date of the sample, measurement, report or application unless otherwise specified by Department rule.

c. Records of monitoring information shall include:

- the date, exact place, and time of sampling or measurements;
- the person responsible for performing the sampling or measurements;
- the date(s) analyses were performed;
- the person responsible for performing the analyses;
- the analytical techniques or methods used; and
- the results of such analyses.

15. When requested by the Department, the permittee shall, within a reasonable period of time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be submitted or corrected promptly.

16. In the case of a hazardous waste facility permit, the following permit conditions shall also apply.

a. The permittee will submit the following reports to the Department:

(1) Manifest discrepancy report: If a significant discrepancy in a manifest is discovered, the permittee must attempt to reconcile the discrepancy. If not resolved within 15 days after receiving the waste, the permittee shall immediately submit a letter report, including a copy of the manifest, to the Department.

(2) Unmanifested waste report: Permittee shall submit an unmanifested waste report to the Department within 15 days of receipt of unmanifested waste.

(3) Biennial report: A biennial report covering facility activities during the previous calendar year must be submitted to the Department by March 1 of each even numbered year in accordance with Florida Administrative Code Rule 62-730.

b. Notification of any non-compliance which may endanger health or the environment, including the release of any hazardous waste that may endanger public drinking water supplies, or the occurrence of a fire or explosion from the facility which could threaten the environment or human health outside the facility, shall be verbally submitted to the Department within 24 hours and a written submission provided within 5 days. The verbal submission within 24 hours shall contain the name, address, I.D. number and telephone number of the facility and owner or operator, the name and quantity of materials involved, the extent of injuries (if any), an assessment of actual or potential hazards, and the estimated quantity and disposition of recovered material. The written submission shall contain the following:

(1) a description of and cause of non-compliance; and

(2) if not corrected, the anticipated time the non-compliance is expected to continue and steps being taken to reduce, eliminate, and prevent recurrence of the non-compliance.

c. Reports of compliance or non-compliance with, or any progress reports on, requirements contained in any compliance schedule of this permit shall be submitted no later than 14 days following each schedule date.

d. All reports or information required to be submitted to the Department by a hazardous waste permittee shall be signed by a person authorized to sign a permit application.

PERMITTEE:
U.S. Naval Station - Mayport
Post Office Box 280067
Mayport, Florida 32228-0067

I.D. Number: FL9 170 024 260
Permit/Cert Number: 72442-001-HO
Date of Issue: May 25, 1999
Expiration Date: May 24, 2004

SPECIFIC CONDITIONS:

Part I - General Operating Requirements

1. The permittee shall maintain and operate the facility to minimize the possibility of fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil, or surface water which could threaten human health or the environment [40 CFR 264.31].

2. The permittee shall notify the Department in writing at least four weeks in advance of the date the permittee expects to receive hazardous waste from a foreign source, in accordance with 40 CFR 264.12. Notice of subsequent shipments of the same waste from the same foreign source in the same calendar year is not required.

3. This permit allows the permittee to store at the facility only those wastes specified in Attachment A of the permit. Prior to acceptance of new hazardous waste, the permittee shall submit to the Department, for approval, a waste analysis of the proposed new waste stream. This analysis must be incorporated in the general waste analysis plan and retained on-site [40 CFR 264.13].

4. The permittee shall follow the procedures described in the waste analysis plan, Attachment M of the permit application [40 CFR 264.13(b)].

5. The permittee shall maintain and comply with the security provisions described in Attachment G of the permit application, as required by 40 CFR 264.14(b)(2) and (c).

6. The permittee shall inspect and maintain the facility operating, emergency and safety equipment in accordance with the schedule approved in Figure I-1, Attachment I of the permit application. The permittee shall remedy any deterioration or malfunction discovered by an inspection in accordance with the requirements of 40 CFR 264.15(c). Changes, additions, or deletions to the schedule must be approved in writing by the Department. The schedule must be maintained as part of the operating record of the facility [40 CFR 264.15].

7. Facility personnel must successfully complete the approved training program indicated in Attachment K of the permit application within 6 months of employment or assignment to the facility or to a new position at the facility. Verification of this training must be kept with the personnel training records and maintained on-site. Personnel shall not work unsupervised until training has been completed. Facility shall maintain on site an updated list of personnel who handle hazardous waste and their respective job titles and job descriptions [40 CFR 264.16].

8. The permittee shall comply with the general requirements of 40 CFR 264.17(a), and the location requirements of 40 CFR 264.176, 40 CFR 264.198 and 403.7211, F.S..

9. The permittee shall comply with the following conditions concerning preparedness and prevention:

   a. At a minimum, the permittee shall equip the facility with the equipment described in the contingency plan, Table H-2, Attachment H of the permit application, as required by 40 CFR 264.32.

   b. The permittee shall test and maintain the equipment specified in Specific Condition 9(a) as necessary to ensure its proper operation in time of emergency, as required by 40 CFR 264.33.

   c. The permittee shall maintain access to the communication or alarm system, as required by 40 CFR 264.34.

   d. At a minimum, the permittee shall maintain aisle space as shown on the floor plan in Attachment Q of the permit application, as required by 40 CFR 264.35.

   e. The permittee shall maintain arrangements with state and local authorities, as required by 40 CFR 264.37. If state or local officials refuse to enter into preparedness and prevention arrangements with the permittee, the permittee must document this refusal in the operating record.

10. The permittee shall comply with the following conditions concerning the contingency plan:

   a. The permittee shall immediately carry out the provisions of the contingency plan, Attachment H of the permit application, and follow the emergency procedures described by 40 CFR 264.56, whenever there is a fire, explosion, or release of hazardous waste or hazardous waste constituents which threatens or could threaten human health or the environment. The permittee shall give proper notification if an emergency situation arises and within five (5) days must submit to the Department a written report which includes all information required in 40 CFR 264.56(j).

   b. The permittee shall comply with the requirements of 40 CFR 264.53.

   c. The permittee shall immediately amend the contingency plan and distribute the amended plan to the appropriate agencies if any criteria in 40 CFR 264.54 are met. Amendments to the plan must be approved in writing by the Department.

   d. The permittee shall comply with the requirements of 40 CFR 264.55, concerning the emergency coordinator.

e. The Department of Environmental Protection's 24-hour emergency telephone number is (800)320-0519 or (850) 413-9911. During normal business hours, the Department's Northeast District office may be contacted at (904) 448-4320.

11. The permittee shall comply with the manifest requirements of 40 CFR 264.71, 264.72, and 264.76.

12. The permittee shall maintain a written operating record at the facility which includes:

- the description and quantity of each hazardous waste received
- the location of each hazardous waste within the facility, and the quantity at each location
- the results of the waste analyses
- a summary report and details of incidents that require implementation of the contingency plan
- manifest numbers
- the results of inspections (for 3 years)
- annual certification of waste minimization
- the closure plan
- biennial reports

These records must be maintained at the facility until completion of closure and the certification of closure has been accepted by the Department [40 CFR 264.73].

13. 40 CFR Part 268 identifies hazardous wastes that are restricted from land disposal and defines those limited circumstances in which an otherwise prohibited waste may continue to be placed on or in a land treatment, storage or disposal unit. The permittee shall maintain compliance with the requirements of 40 CFR Part 268. When the permittee has applied for an extension, waiver or variance under 40 CFR Part 268 the permittee shall comply with all restrictions on land disposal under this Part once the effective date for the waste has been reached pending final approval of such application.

14. A restricted waste identified in 40 CFR Part 268 Subpart C may not be placed in a land disposal unit without further treatment unless the requirements of 40 CFR Part 268 Subparts C and/or D are met.

15. The storage of hazardous wastes restricted from land disposal under 40 CFR Part 268 is prohibited unless the requirements of 40 CFR Part 268 Subpart E are met.

Part II - Containers

1. The permittee is allowed to store, in the approved container storage area - Building 1986, only the hazardous waste listed in Attachment A of the permit. Containers must conform to DOT specification and be managed in accordance with the approved operation plan. Containers shall be kept closed except when adding or removing waste and handled in a manner that will not allow the containers to rupture or leak, in accordance with 40 CFR 264.173. If a container holding hazardous waste is not in good condition, or begins to leak, the waste shall be transferred to another container in good condition, in accordance with 40 CFR 264.171.

2. The permittee shall not store any hazardous waste that is not listed in Attachment A of the permit, non-hazardous waste, raw materials or products in the approved container storage area - Building 1986, without prior written approval from the Department.

3. The permittee shall use only those containers made of or lined with materials which are compatible with the waste to be stored in them and which will not react with the waste to be stored in them, as indicated in Attachment C, I and R of the permit application [40 CFR 264.172].

4. The permittee shall conduct weekly visual inspections in accordance with Figure I-1, Table I-1 and Attachment I and S of the permit application, to detect leakage in the hazardous waste container storage area or its associated loading/unloading zones [40 CFR 264.174]. If, in spite of the weekly inspections, a significant deterioration of the pavement (due to occasional spills) is noted, the permittee shall reevaluate the need for a protective coating/more resistant seal material.

5. The permittee shall store a maximum of 25,220 gallons of hazardous waste in up to 464 fifty-five gallon size containers in the container storage Building 1986, as shown in drawing A-1 and Table Q-2, submitted on August 12, 1995, Attachment Q of the permit application. The permittee may also store hazardous waste in containers ranging in size from 1 gallon to 85 gallons, or 90 gallons in case of overpack drums.

6. The permittee shall not exceed the storage capacity specified in Table Q-2, Attachment Q of the application, for the maximum storage of waste in each bay.

7. The permittee shall notify the Department when the capacity of the container storage area reaches 95 percent, i.e., 24,000 gallons.

8. The permittee shall not place more than four drums per pallet and shall not stack them more than two high as described on Page Q-6, Attachment Q of the permit application.

9. The permittee shall comply with the waste compatibility requirements of 40 CFR 264.177, as indicated in Table C-1, Attachment C and Attachment R of the permit application.

10. The permittee shall remove any accumulated liquid from a spill, leak or precipitation from the secondary containment area within 24 hours of discovery, as described in Page Q-3, Attachment Q of the permit application [40 CFR 264.175].

11. The permittee shall operate unit(s) in accordance with 40 CFR 264 - Subpart CC requirements until the Department adopts the Subpart CC amendments and modifies the permit to incorporate the amended Subpart CC requirements.

PART III - Closure

1. The permittee shall close the hazardous waste container storage area(s) as required by 40 CFR 264.111, and in accordance with the closure plan, Attachment T of the permit application.

2. The permittee shall keep a copy of the closure plan and all revisions to the plan (Attachment T of the permit application) until closure is completed, certified, and the closure certification is accepted by the Department [40 CFR 264.112(a)(1)].

3. The permittee shall amend the closure plan in accordance with 40 CFR 264.112(c), whenever necessary.

4. In accordance with 40 CFR 264.112(d)(1), the permittee shall notify the Department at least forty-five(45) days prior to the date he expects to begin closure of any units.

5. The permittee shall decontaminate and/or dispose of all facility equipment as required by 40 CFR 264.114, 264.178, and the closure plan.

6. The permittee shall conduct sampling in accordance with EPA publications 600/4-83-040 "A Characterization of Hazardous Waste Sites - A Method Manual: Volume 2, Available Sampling Methods", and 600/2-80-018, "Samplers and Sampling Procedures for Hazardous Waste Streams". The permittee shall analyze in accordance with the latest edition of EPA publications SW-846, "Test Methods for Evaluating Solid Waste", and 600/4-82-057, "EPA Methods for Organic Chemical Analysis of Municipal and Industrial Waste".

7. Upon issuance of the permit, the permittee shall not store any hazardous waste for greater than ninety (90) days in hazardous waste container storage Building 1602. However, the permittee may store spent Mercury-containing lamps and devices in compliance with Rule 62-737.400, F.A.C., universal waste in compliance with Rule 62-730.185, F.A.C., non-hazardous waste, raw materials and products in Building 1602, until beginning of formal closure.

8. The permittee shall remove all hazardous waste that has been stored for greater than ninety (90) days, from the container storage Building 1602 and send it to a permitted hazardous waste treatment, storage, or disposal facility, within ninety (90) days of issuance of the permit [40 CFR 264.113(a)].

9. The permittee shall close hazardous waste container storage Building 1602 in accordance with the closure plan, Attachment T of the permit application, by no later than December 31, 2002. The permittee shall submit a yearly report to the Department, outlining it's efforts to acquire necessary funding for the closure of Building 1602, in October of every year until beginning formal closure of the building.

10. Thirty (30) days prior to beginning closure, the permittee shall remove all waste including hazardous waste, Mercury-containing lamps and devices, universal waste, non-hazardous waste, raw materials and products from Building 1602. Only after the Department accepts the closure certification, may the permittee begin to operate Building 1602 for storage of hazardous waste for less than ninety (90) days accumulation. The permittee may also begin to store spent Mercury-containing lamps and devices in compliance with Rule 62-737.400, F.A.C., universal waste in compliance with Rule 62-730.185, F.A.C., non-hazardous waste, raw materials and products in Building 1602.

11. The permittee shall provide opportunities for site inspections by informing the Department at least seven (7) days in advance of any physical closure activity.

12. The permittee shall notify the Department at least one hundred eighty (180) days prior to the date it expects to begin final closure of the facility and submit a complete closure permit application [62-730.260, F.A.C.].

13. Within sixty (60) days from completion of closure, the permittee shall submit to the Department by certified mail or hand delivery, a certification signed by both the permittee and an independent professional engineer registered in the State of Florida, stating that the facility has been closed in accordance with the permit and specifications in the closure plan, pursuant to the requirements of Rule 62-730.260(6), F.A.C.

14. Upon implementation of the closure plan, if the permittee determines that all of the contaminated soils cannot be removed, then the permittee shall notify the Department within thirty (30) days of such determination. In addition, the permittee shall submit a permit application to modify the permit, to address all post closure care requirements of 40 CFR 264 - Subpart G, within sixty (60) days of the notification. [Rule 62-730.260(3), F.A.C.]

Part IV -Waste Minimization

1. The permittee shall comply with 40 CFR Part 264.73(b)(9) and Section 3005(h) of RCRA, 42 U.S.C. 6925(h), The Permittee must certify, no less often than annually, that:

   - The Permittee has a program in place to reduce the volume and toxicity of hazardous waste generated to the degree determined by the Permittee to be economically practicable; and

   - The proposed method of treatment, storage or disposal is the most practicable method available to the Permittee, which minimizes the present and future threat to human health and the environment.

   - The Permittee shall maintain copies of certification in the facility operating record as required by 40 CFR 264.73(b)(9).

2. The Waste Minimization Program, required in Specific Conditions 1. of this Part, should include the following elements:

   a) **Top Management Support**

      - Dated and signed policy describing management support for waste minimization and for implementation of a waste minimization plan.

      - Description of employee awareness and training programs designed to involve employees in waste minimization planning and implementation to maximize the extent feasible.

      - Description of how a waste minimization plan has been incorporated into management practices so as to ensure ongoing efforts with respect to produce design, capital planning, production operations, and maintenance.

   b) **Characterization of Waste Generation**

      - Identification of types, amounts, and hazardous constituents of waste streams, with the source and date of generation.

   c) **Periodic Waste Minimization Assessments**

      - Identification of all points in a process where materials can be prevented from becoming a waste, or can be recycled.

      - Identification of potential waste reduction and recycling techniques applicable to each waste, with a cost estimates for capital investment and implementation.

- Description of technically and economically practical waste reduction/recycling options to be implemented, and a planned schedule for implementation.

- Specific performance goals, preferably quantitative, for the source reduction of waste by stream. Whenever possible, goals should be stated as weight of waste generated per standard unit of production, as defined by the generator.

d) <u>Cost Allocation System</u>

- Identification of waste management costs for each waste, factoring in liability, transportation, recordkeeping, personnel, pollution control, treatment, disposal, compliance, and oversight costs to the extent feasible.

- Description of how departments are held accountable for the wastes they generate.

- Comparison of waste management costs with costs of potential reduction and recycling techniques applicable to each waste.

e) <u>Technology Transfer</u>

- Description of efforts to seek and exchange technical information on waste minimization from other parts of the company, other firms, trade associations, technical assistance programs, and professional consultants.

f) <u>Program Evaluation</u>

- Description of types and amounts of hazardous waste reduced or recycled.

- Analysis and quantification of progress made relative to each performance goal established and each reduction technique to be implemented.

- Amendments to waste minimization plan and explanation.

- Explanation and documentation of reduction efforts completed or in progress before development of the waste minimization plan.

- Explanation and documentation regarding impediments to hazardous waste reduction specific to the individual facility.

A Pollution Prevention Plan prepared in accordance with Department of Navy requirements is acceptable in lieu of a separate Waste Minimization Plan.

Part V- General

1. The Department may modify, revoke and reissue, or terminate for cause, this permit in accordance with the provisions of 62-730.290, F.A.C. The filing of a request for a permit modification, revocation and reissuance, or termination, or the notification of planned changes or anticipated noncompliance on the part of the permittee does not stay the applicability or enforceability of any permit condition. The permittee may submit any subsequent revisions to the Department for approval. Should these revisions constitute a major modification to the permit, the permittee shall meet the requirements of 62-730.290, F.A.C. and the fee requirements of 62-4.050, F.A.C.

2. Two (2) copies of submittals in response to this permit, shall be submitted to the following:

   a. One (1) copy shall be sent to:

      Hazardous Waste Supervisor
      Department of Environmental Protection
      7825 Baymeadows Way, Suite B200
      Jacksonville, Florida 32256-7590

   b. One (1) copy shall be sent to:

      Environmental Administrator
      Hazardous Waste Regulation Section, MS # 4560
      Bureau of Solid and Hazardous Waste
      Department of Environmental Protection
      2600 Blair Stone Road
      Tallahassee, Florida 32399-2400

3. All documents submitted pursuant to the conditions of this permit shall be accompanied by a cover letter stating the name and date of the document submitted, the number(s) of the Specific Condition(s) affected, and the permit number and project name of the permit involved.

4. All documents modifying the approved Closure and/or Post-Closure Plan submitted to the Department for review shall be signed, sealed, and certified by a Professional Engineer registered in the State of Florida, in accordance with Chapter 471, F.S. and Rule 62-730.220(7), F.A.C.

5. All submittals modifying major engineering features of the hazardous waste storage areas shall be signed, sealed and certified by a qualified Professional Engineer registered in the State of Florida in accordance with Chapter 471, F.S. and Rule 62-730.220(7), F.A.C. All submittals incorporating interpretations of geological data shall be signed and sealed by a

Professional Geologist registered in the State of Florida in accordance with Chapter 492, F.S., and Rule 62-730.220(8), F.A.C.

6. The permittee shall revise "Part I - General" of the Application for a Hazardous Waste Facility Permit (Rule 62-730.900(2), F.A.C.) within thirty (30) days of any changes in Part I. The revised "Part I - General" must be submitted to the Department within thirty (30) days of such changes with the appropriate fees as specified in Chapter 62-4, F.A.C.

7. Before transferring ownership or operation of this facility during its operating life, the permittee must notify the new owner or operator in writing of the requirements of 40 CFR 264 and 62-730.900(2) [40 CFR Part 264.12(c)]. The permittee shall also submit an application for transfer of the permit to the Department, on DEP Form 62-1.201(1), in accordance with 62-730.300, F.A.C.

8. Prior to one hundred eighty (180) days before the expiration of this permit, the permittee shall submit a complete application for renewal of the permit on forms and in a manner prescribed by the Department, unless the facility is to be closed prior to the expiration date of this permit per the requirements of 62-730.300(1), F.A.C.

Executed in Jacksonville, Florida

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION

Michael J. Fitzsimmons

Michael J. Fitzsimmons
Waste Program Administrator
Northeast District
7825 Baymeadows Way, Suite B200
Jacksonville, FL 32256

The undersigned and duly designated Clerk hereby certifies that this Permit was mailed before the close of business on May 25, 1999.

FILING AND ACKNOWLEDGEMENT
FILED, on this date, pursuant to §120.52 Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

Clerk 5-25-99
Date

PERMITTEE:
U.S. Naval Station - Mayport
Post Office Box 280067
Mayport, Florida 32228-0067

I.D. Number: FL9 170 024 260
Permit/Cert Number: 72442-001-HO
Date of Issue: May 25, 1999
Expiration Date: May 24, 2004

ATTACHMENT 1

STORAGE UNIT	HAZARDOUS WASTE CODES
Building 1986	D001 through D043 F001, F002, F003, F005, F007, F009 P006, P021, P030, P122 U002, U012, U036, U080, U112, U122, U123, U151, U154, U159, U160, U161, U188, U210, U220, U226, U227, U228 and U239

APPENDIX B

ATTACHMENT T – CLOSURE PLAN

ATTACHMENT T

CLOSURE PLAN

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INTRODUCTION

This closure plan is submitted per the requirements of 40 CFR 264.112 and 264.178. This closure plan applies to the existing HWSF, Building 1602 and will also be followed in the event of closure of the new HWSF, Building 1986. This plan identifies all steps that will be necessary to completely close the facility at the end of its intended operating life. The plan also addresses the conditions and reason under which partial closure will occur. A post-closure plan is not required because these are no disposal facilities and all wastes will be removed at closure.

NS Mayport will maintain an on-site copy of the approved closure plan and all revisions to the plan until the Certification of Closure Completeness has been submitted to and accepted by FDEP. The Base Commanding Officer or authorized representative will notify the Regional Administrator and FDEP at least 180 days prior to the date the storage facility expects to begin final closure. Upon completion of closure, NS Mayport will submit to the Regional Administrator and FDEP a certification by both the NS and by an independent registered professional engineer that the facility has been closed per the specifications in the approved closure plan. Partial closure of the container storage operations is not planned. However, in the event that future circumstances or decisions force the NS to discontinue HW container storage activities, this Plan provides present procedures for final closure of the storage area. Any modifications to facility equipment, structures, instruments, or procedures related to the management of the facility will result in the NS revising the closure plan accordingly. If necessary, NS will submit a written notification or request to FDEP for a permit modification to authorize a change in operating plans,

facility design, or the approved closure plan. This notification will include a copy of the amended closure plan for review by FDEP.

At a maximum, each HWSF will contain 480 drums or 26,400 gallons of hazardous waste.

CLOSURE PLAN

Closure Performance Standard [40 CFR 264.111]

This closure plan was designed to ensure that the HWSFs will not require further maintenance and controls, minimizes, or eliminates threats to human health and the environment, and voids escape of HW, HW constituents, leachate, contaminated rainfall, or waste decomposition products to the ground or surface waters or to the atmosphere. If evidence of any spills or leaks are present, samples will be taken and analyzed to determine the extent of contamination in the soil and, if necessary, in ground water. Any contaminated soil will be excavated, removed, and disposed at a proper disposal facility. Any contaminated ground water will be remediated. If necessary, the entire site will be regraded subsequent to closure to prevent soil erosion.

Closure of the facility will involve removal of all waste from the site, followed by cleaning and decontamination of structures or equipment which held waste, and monitoring to demonstrate that decontamination has been effective. Once complete removal and decontamination is confirmed, no additional monitoring at the facility will be necessary.

Partial Closure

The complete HWSFs will be utilized throughout their operating lives; therefore, no partial closure is planned.

Partial and Final Closure Activities

NS Mayport expects to perform partial closure when all the drums are removed for final disposal and no more drums will be stored. Procedures for final closure activities of the storage facility, including drum removal, clean-up and decontamination activities are described in the section titled Container Storage Closure Plan.

Maximum Waste Inventory

At a maximum and for each HWSF, 26,400 gallons of waste material contained in a maximum of 480 drums will be in storage at any given time during the operational life of the HWSFs. Table T-1 lists the maximum inventory of waste in storage at any time during the operational life of the HWSFs. NS Mayport will arrange to have all HW containers removed from the building before closure activity begins.

Inventory Removal, Disposal, and Decontamination of Equipment

Container Storage Closure Plan

1. Notify FDEP and EPA at least 180 days prior to the date closure is to begin. Submit closure permit application to FDEP.
2. Review the closure plan with facility personnel 30 days before closure activities begin.
3. Stop accepting waste the date closure activities begin.
4. Conduct a physical inventory of containers and check for required labels and markings.
5. Preparation of manifests and other shipping documents will begin concurrently with Step 4.
6. Copies of manifests or other required documents will be submitted to final disposal facilities for review and approval. This will take up to 60 days.

7. All wastes will be shipped to designated facilities by the HWSFs within 30 days of approval.

8. All wastes stored in containers will be removed from the HWSFs within 90 days after closure activities begin.

9. Non-expendable equipment will be decontaminated if necessary by washing over sump with detergent and returned to stock. Used expendable equipment such as disposable protective clothing, papers, pallets, or containers will be discarded. This equipment will be placed in drums, labeled according to the material involved, and disposed as a HW if the rinse waters are tested to contain listed wastes. Clean-up tools/equipment (scrappers, sponges, brooms) will be washed with detergent, rinsed and returned to stock. Any broken tools will be handled as expendables. Pump exteriors will be washed over sump with detergent and rinsed. Pump interiors will be washed by closed-loop pumping of detergent from sump followed by clean water rinse with discharge to sump. Vehicles will be high pressure washed on concrete pad with clean water. Wastewater will be discharged into sump or collected into drums. Wastewater will be tested for hazardous constituents and managed accordingly. All wash water and rinse water collected in the sumps will be drummed, tested, and managed accordingly. Container storage areas will be generally cleaned up and examined for evidence of contamination. A Registered Professional Engineer will certify the HWSFs are ready for decontamination.

   NOTE: Contamination is expected to be minimal as all wastes are held in sound shipping containers, inspected regularly, and any spills or leaks are cleaned up promptly.

10. The HWSFs will be decontaminated under the direction of an Environmental Engineer. Trained personnel wearing appropriate personnel protective equipment will wash each bay with water and a non-ionic light surfactant. Afterwards, the concrete floors and sumps

will be pressure washed. All washing will be contained in the individual sumps. A representative sample of the washing from each bay will be collected and analyzed to determine if the waste is a HW. If the washing are determined to be HW, the water will be drummed for disposal as a HW. Once this step is completed, the bay will be rinsed with clean fresh water.

11. A representative sample of the rinse water will be taken from the sump and analyzed for the following parameters: ignitability, corrosivity, reactivity, TCLP contaminants, PCBs, EPA Method 8260, total recoverable petroleum hydrocarbons, cyanide, nickel, total organic carbon and total organic halogens (If required, further testing for Hazardous Constituents per 40 CFR 268 will be conducted). If the rinse waters do not fail any of these tests, the rinse water will be removed from the sump and the bay will be certified as decontaminated. Upon completion of the rinsing and floor cleaning, all floors will be visually inspected for cracks and gaps. If cracks and gaps are found, the soils underneath the facility will be sampled and analyzed for the same parameters as the wash water. Each bay will be decontaminated individually and in ascending numerical order (i.e. 1,2,3,...etc.). Once the decontamination process for the HWSFs is completed, the Environmental Engineer will certify the results of the tests and a Professional Engineer will visually inspect the HWSFs, review the test results of each bay, and if all criteria as described above has been met, certify the facility to be decontaminated.

11. If no gaps or cracks are found in any of the bays, the soil will not be contaminated from the activities of the storage building, since all spills were collected in the internal trenches and sump. However, four surface soil samples will be taken, one from each side of the building, and analyzed for the same parameters as the wash water. If the soil is contaminant free or below published maximums, a professional

engineer will certify the facility to be decontaminated. If any contamination is found in the surface soil, a contamination assessment will be started to determine the vertical and horizontal extent of contamination before proceeding with the closure plan.

Closure of Containers

All drums will be sealed and labeled prior to shipment. Each classification of waste will be shipped by compatibility analysis. Containers will be shipped per the requirements of 49 CFR. The drums will be loaded by forklift.

Schedule for Closure

Table T-2 describes the closure milestones for the HWSFs. An application for closure permit will be filed with FDEP at least 180 days prior to beginning final closure. Within 90 days of receipt of the final volume of HW, all HW will be removed. Closure will be completed within 180 days after receipt of the final volume of HW. Notification of intent to close will be sent to FDEP and EPA 45 days before beginning final closure. A Registered Professional Engineer will certify each phase of closure as follows:

1. Initial inspection of facility. First group of hazardous waste readied for shipment and the final volume of waste has been received.
2. Facility decontamination; visual and record inspection to ensure each bay and the entire facility has been decontaminated as per the above procedure.
3. Final inspection and certification to state and federal authorities.

Extension for Closure Time

The Naval Station does not anticipate a need for extension at this time. However, requests for extensions to closure, if necessary, will be addressed per 40 CFR 264.113 requirements.

Post Closure Plans

Post closure plans are not required for a storage facility.

Notice in Deed and Notice to Local Authority

Notices in Deeds are not required for container storage facilities.

Closure Cost Estimate

40 CFR 264.140(c) exempts the federal government from the financial requirements (Subpart H) of the hazardous waste regulations. NS Mayport is owned and operated by the federal government.

Financial Assurance Mechanism for Closure

40 CFR 264.140(c) exempts the federal government from the financial requirements (Subpart H) of the hazardous waste regulations.

Post Closure Cost Estimate

40 CFR 264.140(c) exempts the federal government from the financial requirements (Subpart H) of the hazardous waste regulations.

Financial Assurance Mechanism for Post Closure

40 CFR 264.140(c) exempts the federal government from the financial requirements (Subpart H) of the hazardous waste regulations.

Liability Insurance

40 CFR 264.140(c) exempts the federal government from the financial requirements (Subpart H) of the hazardous waste regulations.

State Assumption of Responsibility

40 CFR 264.140(c) exempts the federal government from the financial requirements (Subpart H) of the hazardous waste regulations.

TABLE T-1

MAXIMUM WASTE INVENTORY

Flammable Wastes	
mixed solvents	_____ gallons
waste paints	_____ gallons
Toxic Wastes	
mercuric nitrates	_____ gallons
dip plating wastes	_____ gallons
sand blasting waste	_____ gallons
fly ash	_____ gallons
Corrosive Wastes	
OBA canisters	_____ gallons
Bromine cartridges	_____ gallons
plating waste	_____ gallons
paint stripper	_____ gallons
misc. acids	_____ gallons
misc. caustics	_____ gallons
Organic Wastes	
paint stripper	_____ gallons
misc. solvents	_____ gallons
PCB oils	_____ gallons
	_____ gallons

TABLE T-2

CONTAINER STORAGE CLOSURE MILESTONES

DAYS	
-180-	Submit closure permit application to FDEP. Receive permit from FDEP.
-45-	Notify FDEP and EPA closure will begin. Review closure plan and schedule with these agencies. Continue normal business activities.
-30-	Review closure plan with facility personnel.
0-	Upon FDEP approval and receipt of closure permit, the facility will stop accepting wastes. Begin physical inventory and preparation of shipping documents and approval requests to disposal facilities. Continue removing wastes already scheduled for disposal.
60-	Complete preparation of all manifests and approval requests.
90-	Complete removal of all wastes from site. Begin physical clean-up and decontamination of facility.
120-	Complete disposal information to original generators.
150-	Complete physical clean-up and decontamination of facility no later than this date. Perform sampling for confirmation of decontamination no later than this date. Begin removing equipment when clean-up is complete.
180-	Complete removing equipment from facility. Independent, registered professional engineer inspects facility, reviews sample results, certifies closure .

APPENDIX C

PHOTOGRAPHS

U.S. NAVAL STATION MAYPORT – BUILDING 1602 CLOSURE

PHOTOGRAPHIC LOG

PHOTO 1 – NORTH SIDE OF BUILDING 1602

PHOTO 2 – PRECLEANING INTERIOR OF BUILDING 1602

U.S. NAVAL STATION MAYPORT – BUILDING 1602 CLOSURE

PHOTOGRAPHIC LOG

PHOTO 3 – COLLECTING SOIL SAMPLE SS/SB-01

PHOTO 4 – COLLECTING SOIL SAMPLE ON SOUTH SIDE OF BUILDING

U.S. NAVAL STATION MAYPORT – BUILDING 1602 CLOSURE

PHOTOGRAPHIC LOG

PHOTO 5 – INTERIOR OF BUILDING/STORAGE TOTE USED TO STORE WASTEWATER

PHOTO 6 – PUMPING WASHWATER FROM CENTER SECTION MANHOLE

U.S. NAVAL STATION MAYPORT – BUILDING 1602 CLOSURE

PHOTOGRAPHIC LOG

PHOTO 7 – BUILDING VENTS COVERED WITH VISQUEEN TO REDUCE OVERSPRAY

PHOTO 8 – PICTURE OF SUMP AT THE END OF BAY WITH GRATE REMOVED

U.S. NAVAL STATION MAYPORT – BUILDING 1602 CLOSURE

PHOTOGRAPHIC LOG

PHOTO 9 – VIEW OF INTERIOR OF BUILDING 1602 DURING DECONTAMINATION

PHOTO 10 – ONE OF TWO SMALL FLOOR DRAINS USED TO DRAIN CENTER SECTION

U.S. NAVAL STATION MAYPORT – BUILDING 1602 CLOSURE

PHOTOGRAPHIC LOG

PHOTO 11 – COLLECTION OF COMPOSITE WASH WATER SAMPLE FROM TOTE

PHOTO 12 – VIEW OF INTERIOR OF MANHOLE DURING PUMP-OUT. NOTE INFLUENT FROM SMALL FLOOR DRAINS

APPENDIX D

SAMPLING PLAN

Sampling Plan
Building 1602, Hazardous Waste Container Storage Facility Closure

NAVAL STATION MAYPORT

Prepared by:
Todd M. Dailey, CHMM

Southern Division
Naval Facilities Engineering Command
North Charleston, South Carolina

July 2002

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1.0 INTRODUCTION

This sampling plan has been developed to clarify the sampling requirements necessary to support the clean closure of the Building 1602 Hazardous Waste Storage Facility (HWSF) at Naval Station Mayport, Florida. The closure will be accomplished under the existing operating permit # 72442-001-HO, dated May 25, 1999. Closure must be accomplished in accordance with the closure plan by no later than December 31, 2002. The closure plan can be found in Attachment T of the permit application. This sampling plan will be used in conjunction with the closure plan to meet the requirements of the 40 CFR 264.111, "Closure Performance Standard" and all applicable closure standards by:

a. Ensuring that the HWSF will require no further maintenance;

b. Eliminating threats to human health and the environment; and

c. Avoiding releases of hazardous wastes (HW) or constituents associated with past operations at the facility to surrounding soils, surface water, groundwater, or to the atmosphere.

1.1 Document Control

NS Mayport will maintain an on-site copy of this sampling plan and all revisions to the plan until the Certification of Closure Completeness has been submitted to and accepted by the Florida Department of Environmental Protection (FDEP). If necessary, revisions to this plan will be made by Naval Station Mayport with the approval of FDEP.

1.2 Certification and Notification of Major Steps

Shaw Environmental, Inc. (formerly IT Corporation) will provide technical oversight and the Professional Engineering Certification of Closure. Shaw Environmental shall be present during all events that are integral to the PE certification, such that, certification of the required steps can be accomplished.

The FDEP shall be notified by a Navy representative at least 3 working days prior to the performance of all major work evolutions of this sampling plan and the closure plan which are required to ensure certification of closure, including as a minimum:

a. All inspection steps,

b. All sampling events, and

c. All decontamination and rinsing evolutions.

FDEP point of contact information is as follows:

Jacksonville FDEP Office (904) 807-3300
Chris Bodin ext. 3700, Ashwin Patel ext. 3378

2.0 PURPOSE

The purpose of this sampling plan is to outline the extent of sampling that will be necessary to support the clean closure of Building 1602. Sampling is necessary to determine the extent of contamination, if any, of the HWSF structural components and surrounding soils as a result of past hazardous waste container management activities. The demonstration of a successful clean closure will be accomplished by collecting and analyzing samples of rinsate water from within the HWSF and soil samples from each side of the building. The following media will be sampled:

a. Clean water prior to use for rinsing - to establish background levels for rinse water (see Table 1.0),

b. Wash water – to determine proper waste disposition (see Table 2.0),

c. Rinsate water from each area within the HWSF following cleaning - to indicate that the building structures are sufficiently cleaned and to determine proper waste disposition (see Table 1.0), and

d. Soils surrounding the HWSF – to verify that hazardous waste container management activities have not contaminated the surrounding soils (see Table 3.0).

Decontamination and sampling in accordance with this plan shall not begin until professional engineering certification has been obtained stating that the HWSF is ready for decontamination. A list of what is in the facility at the start of this project shall be entered in the closure logbook.

Note: If cracks or gaps are found in the HWSF floor system, the soils underneath the facility will be sampled for the same parameters as the soils around the perimeter of the facility (parameters listed in Table 3.0). The HWSF floor system includes the concrete floor, bay sumps, and the center bay drains and pit. The inspection of the floor system shall include monitoring the water level in the manhole pit located in the center bay. This test shall be accomplished by monitoring the water level following the washing or rinsing phase to identify any noticeable level changes in the pit.

Note: If evidence of any spills or leaks is present, either inside the facility or on the soils surrounding the facility, samples will be taken and analyzed for the parameters listed in Table 3.0.

3.0 CONTAMINATION HISTORY

There were no documented spills of hazardous waste or materials outside of the Building 1602 hazardous waste storage facility. Visual inspection of the concrete inside the HWSF and the concrete and soil surrounding the building did not reveal any noticeable discoloration.

The design of this HWSF provides for containment of all internal spills or leaks. The design includes a 12-inch concrete perimeter curb that extends from, and is integral with the foundation. All floors are sloped toward a floor drain system designed to contain internal spills. Expansion joints make use of a liquid sealer to prevent contamination of soils beneath the floor. Initial visual inspections of the floor system did not reveal any cracks and the expansion joints remained intact. The Public Works Center (PWC), Jacksonville HWSF Contingency Plan requires the immediate removal of contaminated soil in the event of a spill or leak during loading, unloading, or transfers to the HWSF. These design features, preventative measures, and required response actions helped minimize or prevent the extent of contamination inside and outside the facility.

4.0 SAMPLING STRATEGY

4.1 Clean Water for Rinsing

The clean water supply used for rinsing will be sampled prior to use. This water source shall be from a pure water supply such as a Culligan treatment system that is capable of filtering solids and VOCs. This analysis will establish background levels for the rinse water.

4.2 Wash Water

All wash water will be captured in the facility's spill containment structures. A representative sample of the wash water will be analyzed to determine if it is a hazardous waste and ultimately determine its proper disposal. The disposal will be managed through the Navy Public Works Center, Jacksonville (PWC JAX). If the analysis indicates that the wash water is a hazardous waste, PWC JAX will transfer the wash water to the operational HWSF at Building 1986 for proper dispositioning. Non-hazardous wastewaters will be disposed of through the PWC JAX sewage treatment plant at NS Mayport. Contaminants not listed in the pretreatment permit shall be compared to the Universal Treatment Standards by PWC JAX prior to disposal. Upon approval by the treatment plant engineer, PWC JAX will transfer the drummed non-hazardous wash water to the treatment plant for proper disposal.

4.3 Rinsate Water

Rinsing shall include an initial rinse to remove the surfactant followed by a final rinse. Analysis of the final rinsate water will serve as an indicator that the interior building structures have been sufficiently cleaned and will be used to determine proper disposal of the water. All rinsate sample contaminant concentrations will be compared to the groundwater cleanup target levels listed in FDEP Rule 62-777, *Contaminant Cleanup Target Levels*, Florida Administrative Code, latest revision. The Groundwater Criteria of

Table I shall be used. For contaminants that are not listed in the *Contaminant Cleanup Target Levels* table, the target level criterion shall be below laboratory detection limits or the applicable equations provided in FDEP Rule 62-777 may be used to calculate cleanup target levels. Further washing, rinsing and rinsate sampling may be required if the rinsate analysis from any area exceeds the target levels for any contaminant of concern. Only the bay(s) that exceeded the target levels will be required to be decontaminated again. Samples shall not be taken from the initial rinse water. The analysis of the wash water shall be used to determine the proper disposition of the initial rinse water. The disposal of all rinsate will be managed through the Navy Public Works Center, Jacksonville (PWC JAX). If the analysis indicates that the rinsate is a hazardous waste, PWC JAX will transfer the rinse water to the operational HWSF at Building 1986 for proper dispositioning. Non-hazardous wastewaters will be disposed of through the PWC JAX sewage treatment plant at NS Mayport. Contaminants not listed in the pretreatment permit shall be compared to the Universal Treatment Standards by PWC JAX prior to disposal. Upon approval by the treatment plant engineer, PWC JAX will transfer the drummed non-hazardous rinsate to the treatment plant for proper disposal.

4.4 Soils Surrounding the HWSF

Due to the design and the integrity of the building, it is unlikely that waste from inside the building could have contaminated the soil surrounding the facility. The outside areas surrounding the facility that are considered to have the greatest likelihood of contamination are the soils in front of the concrete entrance ramps. The entrance ramps are located on the North and South sides of the building as shown in Figure 1.0. These locations were identified because they were high traffic routes used for waste transfer.

The soil on the East side of the building shall be sampled at the approximate midway point along the wall. Liquids were stored in bays 5 and 6 on the East side; therefore, the greatest possibility of a release would be at the mid point along this wall.

The soil on the West side of the building shall be sampled approximately 26 feet from the outside edge of the North wall. This will place this sample location at the approximate center point of bay 2. This sample point was chosen because bay 2 is the largest bay in the facility and was used for the storage of hazardous liquids. The safety bay was not used for hazardous waste storage; therefore, it is the least likely area to have been contaminated.

All samples will be taken within 1 foot of the structure to detect any contaminants that may have been released from the unit. The slope of the landscape surrounding the facility is negligible; therefore, it is assumed that any releases would have remained close to the building. If it is noted that appreciable low spots or distressed vegetation is present along the wall, consideration will be given to moving the sample location to this point. Sample points shall not be changed without the prior approval of the SOUTHDIV EIC. Changes to sample locations and the reason for the change shall be noted in the closure

report. All soil sample contaminant concentrations will be compared to the soil guidance concentrations listed in FDEP Rule 62-777, *Contaminant Cleanup Target Levels*, Florida Administrative Code, latest revision. The Soil Cleanup Target Levels of Table II for Direct Residential Exposure shall be used. For contaminants that are not listed in the *Contaminant Cleanup Target Levels* table, the target level criterion shall be below laboratory detection limits or the applicable equations provided in FDEP Rule 62-777 may be used to calculate cleanup target levels.

Note: If inspection of the HWSF floor system reveals cracks or gaps, the soils underneath the facility will be sampled for the same parameters as the soils around the perimeter of the facility (parameters listed in Table 3.0). The HWSF floor system includes the concrete floor, bay sumps, and the center bay drains and pit.

Note: If evidence of any spills or leaks is noticed on the soils surrounding the facility, samples will be taken and analyzed for the parameters listed in Table 3.0. Evidence of past spills would be noted via visual inspection for obvious discolored areas or distressed vegetation.

5.0 HEALTH AND SAFETY

5.1 General

Sampling and decontamination procedures shall be conducted by personnel wearing the appropriate personnel protective equipment and qualified in the following:

- 40-hour HAZWOPER, 29 CFR 1910.120,
- 8-hour HAZWOPER annual refresher, and
- One person on site qualified in first aid and CPR.

5.2 Emergency Response

This work will be performed adjacent to the existing operational HWSF, Building 1986. A phone is located in Building 1986 for use in case of an emergency during normal working hours (0730-1600). In the event of a hazardous waste emergency, the NAVSTA Mayport Hazardous Waste Spill Contingency plan will be implemented by the Emergency Coordinators. The contingency plan is located on site in Building 1986. The following personnel have been designated as Emergency Coordinators for NAVSTA Mayport:

Primary

Cheryl Mitchell
NS Mayport Environmental
(904) 270-6730, ext. 201 (office)
(904) 223-1808 (home)
(904) 812-2698 (pager)

Bruce Reynolds
PWC JAX
Waste Operations & Analysis Division
(904) 778-9584, ext. 26 (office)
(904) 282-6516 (home)

Secondary

Susan M. Webb
Environmental Engineering Technician, Mayport HWSF
(904) 270-6468/6466 (office)
(904) 730-9225 (home)
(904) 558-1640 (pager)

In the event of other emergencies the following may be contacted: the Station Fire Department (904) 270-5333 or 911; the Station Security Office (904) 270-5111; and the Station Medical Office (904) 270-5111/5444.

6.0 SAMPLING REQUIREMENTS

Sampling shall be conducted in accordance with EPA publications 600/4-83-040, *A Characterization of Hazardous Waste Sites – A Method Manual: Volume 2, Available Sampling Methods* (latest edition); and 600/2-80-018, *Samplers and Sampling Procedures for Hazardous Waste Streams* (latest edition).

Note: It is not anticipated that composite sampling will be required. If composite sampling becomes necessary, the sampling must be performed in accordance with the new FDEP regulations on compositing. Changes to the FDEP composite sampling regulation have recently been issued which require discrete samples to be taken in the field and sent to a laboratory where the actual sample compositing will be performed.

6.1 Quality Assurance/Quality Control

All sampling performed as part of the closure activities shall be performed in accordance with a FDEP-approved comprehensive quality assurance plan (CompQAP) by an organization with a current CompQAP on file with FDEP. As an alternate to a CompQAP, FDEP may approve NELAP accreditation consistent with the Florida Lab QA rule 62-160. In addition, laboratory analyses performed as part of the closure of the facility shall be performed using SW-846 methods or equivalent.

6.2 Field Sampling Logs

Field personnel will record all information pertinent to the sampling operations in a consecutively numbered field logbook. The information shall be entered in a legible manner in the field logbook at the time of sampling and must provide sufficient detail without relying on the recorder's memory. At a minimum, the logbook shall contain the following:

a. Background Information
   - Date and time of the sampling activities
   - Personnel on site
   - Weather conditions
   - Purpose of sampling

b. Chronology of Sampling
   - Description of sampling points and sampling methodology
   - Number and volume of samples collected
   - Date and time of sample collection
   - Sample identification number
   - Field observations about any problems encountered and deviations from the final Quality Assurance Project Plan (QAPP)

c. Sample Distribution
   - Sample distribution and method of transport (laboratory, courier service used, air bill number, and other pertinent information)
   - Signature of sampler or field sample custodian

Each page shall be dated and signed by the person making the entries. Logbooks are accountable field documents and serve as a chronological representation of the sampling program. Copies of these logs must be provided to the A&E for inclusion in the Closure Summary and Certification Report.

6.3 Recording Sample Locations

The exact location of each sampling point should also be recorded. For soil sampling, a monument should be chosen to act as a stationary reference point from which the sampling point can be measured using a compass and measuring tape. The monument may be the corner of a building or other stationary structure. To facilitate relocating the point at a later date, photographs of soil sampling locations shall be taken.

7.0 SAMPLE POINTS

Sampling shall be performed at the sample points described below.

7.1 Clean Water for Rinsing

The clean pure water source that will be used for cleaning and rinsing shall be sampled prior to use. This water source shall be from a pure water supply such as a Culligan treatment system that is capable of filtering solids and VOCs. One sample shall be collected from each source tank or batch used. It is anticipated that a supply of approximately 1500 to 2000 gallons total will be used for cleaning and rinsing operations.

7.2 Wash Water

The HWSF cleaning will be accomplished by pressure washing the interior concrete floor system and low-pressure washing the chain-link fence, ventilation ducts and walls of the facility using a non-ionic light surfactant. Pressure washing shall be conducted using a high-pressure (1,500 to 2,500 psi) cold water stream. Surfaces to be pressure washed shall include the concrete floor, containment curbing, trenches and manhole pit area. The drain piping, connecting the center bay drains to the manhole pit, shall be pressure washed as far as the wand can reach into the piping. The louvered ventilation ducts installed in the walls shall be washed with a low-pressure water spray. When washing the ventilation ducts, the wash water shall be captured to minimize any spillage outside onto the surrounding soils. Use plastic sheeting and collection tubs as necessary to collect the wash water. The chain-link fence sections dividing each bay shall be washed with a low-pressure spray. The wall surfaces shall be washed to 6 ½ feet up from the floor surface. This height is based on the maximum container storage height allowed, which is equal to a standard 55-gallon drum stacked two high. Plastic sheeting shall be used as necessary to ensure decontamination waters are contained within the boundaries of the unit. Surfaces to be washed shall be washed from the highest point to the lowest. The wash water shall be collected in the floor sumps and center bay pit and transferred to a collection tank or drums. The wash water shall be transferred using a portable pump or wet vacuum. To ensure that the sump and pit surfaces are properly pressure washed, the water that accumulates in each sump or pit shall be removed as necessary during pressure washing of these surfaces. One representative sample will be taken of the wash water to determine if it is hazardous waste. The representative sample shall be taken from the tank or drums after all water has been removed from the collection points.

Note: All drums used to contain decontamination wastes, personnel protective equipment, or other waste generated as a result of this project; shall be UN certified DOT shipping containers.

7.3 Rinsate Water

Once the washing event has been completed, each bay will be rinsed with clean water. Rinsing shall include an initial rinse to remove the surfactant followed by a final rinse. The initial rinse shall be a complete rinse of all surfaces that were washed with surfactant. Surfaces shall be rinsed from the highest point to the lowest. Plastic sheeting shall be

used as necessary to ensure rinse waters are contained within the boundaries of the unit. The rinse water shall be collected in the floor sumps and center bay pit and transferred to a collection tank or drums. The rinse water shall be transferred using a portable pump or wet vacuum

The initial rinse water shall be removed from the sumps prior to performing the final rinse. The final rinse will include the concrete floor, containment curbing, trenches and manhole pit area. For the final rinse evolution, each bay will be rinsed individually and in ascending numerical order (i.e. 1, 2, 3, 4, 5, 6, 7, and safety bay/center open bay area). The bay locations are shown in Figure 1.0. Surfaces shall be rinsed from the highest point to the lowest. Plastic sheeting shall be used as necessary to ensure rinse waters are contained within the boundaries of each bay and the boundaries of the unit. The rinse water from each bay shall be collected in its respective floor sump or pit and transferred to drums. A representative sample of the final rinse water shall be taken from the drum after all water has been removed from the collection point. The rinse sample shall be from the final rinse water only and will be used to certify that each bay is decontaminated. Each rinsate sample must be representative of the individual bay or area rinsed.

The washing and rinsing phase shall include verifying the integrity of the manhole pit using a standing water check. This may be performed as part of the wash down or initial rinsing phase. This test shall be accomplished by monitoring the water level to identify any noticeable level changes in the pit. The hold time for the leak test shall be at least overnight (i.e. from the end of a day shift to the start of the shift the next morning). The results shall be noted in the closure logbook.

Note: All drums used to contain rinsate, personnel protective equipment, or other waste generated as a result of this project; shall be UN certified DOT shipping containers.

7.4 Soils Surrounding the HWSF

This event will include a single round of sampling to include the collection of four surface soil samples taken from the 0" to 12" depth interval and four samples at 5 feet deep. Two samples will be taken on each side of the building (eight samples total). The samples will be taken at the locations shown in Figure 1.0 and described below:

a) Two soil samples from the East outside wall shall be taken within 1 foot of the building structure at the approximate center point along the wall. One surface soil sample shall be from the 0" to 12" depth interval and one sample at 5 feet deep.

b) Two soil samples from the West outside wall shall be taken within 1 foot of the building structure approximately 26 feet from the outside of the North wall. One surface soil sample shall be from the 0" to 12" depth interval and one sample at 5 feet deep.

c) Two soil samples will be taken on the South side within 1 foot of the front of the original concrete entrance apron. During the construction of the adjacent HWSF, building 1986, a concrete pad was poured between buildings 1602 and 1986. It will be necessary to bore through the concrete pad to gain access to the soil below. Do not bore through the original concrete apron. The soil of interest is located under the new concrete pad in front of the original concrete entrance apron for building 1602. The front of the original apron appears to have been cut off when the new concrete slab was poured between the buildings. The as-built drawings show that the original apron extended 6 feet from the building 1602 entrance. The sample location shall be approximately 6 ½ feet from the building entrance measured from the expansion joint for the apron. Locate the sample at the approximate middle of the entrance width. One surface soil sample shall be from the 0" to 12" depth interval and one sample at 5 feet deep. The surface measurements shall be taken from the soil/concrete interface, not the top of the concrete pad. The concrete pad is assumed to be between 6 and 8 inches thick. After sampling, the concrete borehole shall be filled using gravel or other temporary media so as to allow access to the sample location if needed at a later date. The hole shall be permanently patched with concrete after the sample analysis has been received and approval given by the SOUTHDIV Engineer-in Charge.

d) Two soil samples will be taken on the North side within 1 foot of the front of the original concrete entrance apron. One surface soil sample shall be from the 0" to 12" depth interval and one sample at 5 feet deep. The area in front of the apron was originally constructed of a compacted shell course. Note, that this area will be more difficult to obtain a sample from due to the compacted nature.

Note: If groundwater in the area is higher than 5 feet below grade, contact the SOUTHDIV EIC. The SOUTHDIV EIC will notify FDEP of the existing site conditions and obtain verbal approval prior to changing the sample locations.

8.0 SAMPLING ANALYSIS

Samples at each location will be analyzed in accordance with EPA publications SW-846, *Test Methods for Evaluating Solid Waste, Physical/Chemical Methods* (latest edition); and 600/4-82-057, *EPA Methods for Organic Chemical Analysis of Municipal and Industrial Waste* (latest edition).

8.1 Clean Water for Rinsing and Final Rinsate Water

The source water for cleaning and rinsing, along with the final rinsate will be sampled for the following constituents listed in Table 1.0 below:

Table 1.0, Clean Water for Rinsing and Rinsate Water - Sample Analysis Required

Sample Location	Media	Type	Analysis		Method
Clean water for Rinsing and final rinsate water	Water	Grab	Volatile Organic Compounds		8260
			Base Neutral/Acid Semi-volatile Organic Compounds		8270
			RCRA Metals including Nickel		6010/7470
			Polychlorinated Biphenyls (PCBs)		8082
			Total Recoverable Petroleum Hydrocarbons		418.1/9073
			Chlorinated Herbicides		8151
			Organochlorine Pesticides		8081
			Total Organic Carbon (TOC)		415.1/9060
			Total Organic Halogens (TOX)		450.1/9020
			Flash Point		1010
			pH		9040
			Reactivity	Total Cyanide	335.2, 335.3
				Total Sulfide	376.1, 376.2

8.2 Wash Water

The wash water will be sampled for the following constituents listed in Table 2.0 below:

Table 2.0, Wash Water- Sample Analysis Required

Sample Location	Media	Type	Analysis	Method
Wash water	Water	Grab	Volatile Organic Compounds	8260
			Base Neutral/Acid Semi-volatile Organic Compounds	8270
			RCRA Metals	6010/7470
			Polychlorinated Biphenyls (PCBs)	8082
			Chlorinated Herbicides	8151
			Organochlorine Pesticides	8081
			pH	9040

8.3 Soils Surrounding the HWSF

Soil samples shall be taken from the 0" to 12" depth interval and at 5 feet deep from the locations as described above and shown in Figure 1.0. Samples at each point will be analyzed for the following constituents listed in Table 3.0 below:

Table 3.0, Soil Surrounding the HWSF- Sample Analysis Required

Sample Location	Media	Type	Analysis	Method
Soil samples from the perimeter of HWSF	Soil	Grab	Volatile Organic Compounds	8260
			Base Neutral/Acid Semi-volatile Organic Compounds	8270
			RCRA Metals	6010/7471
			Polychlorinated Biphenyls (PCBs)	8082
			Total Recoverable Petroleum	418.1/9073
			Chlorinated Herbicides	8151
			Organochlorine Pesticides	8081

9.0 SAMPLE DATA

All sample data and logbooks shall be provided to the SOUTHDIV Engineer-in-Charge. Shaw Environmental will incorporate the data into the closure report. Shaw Environmental shall provide the Professional Engineering Certification of Closure within 45 days from completion of closure.

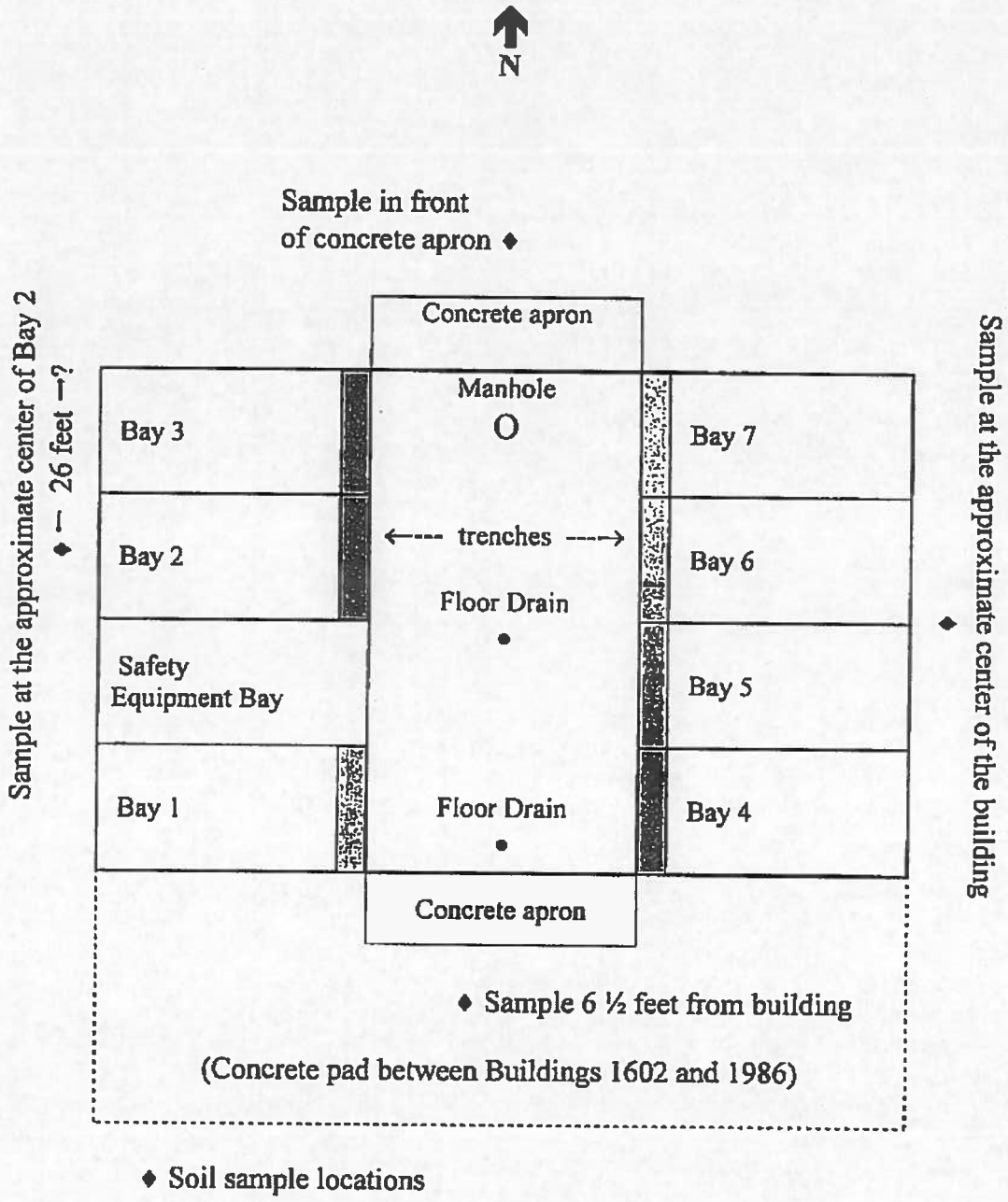


Figure 1.0, Building 1602 Soil Sample Locations

APPENDIX E

DISPOSAL CERTIFICATION

PWC JAX WASTE OPS & ANALYSIS

Memo

To: RECORD

From: Bruce W. Reynolds

Date: 3/24/2003

Re: DISPOSAL OF WASTE FROM DECON OF BUILDING 1603 AT MAYPORT

---

1. The decontamination process for the closure of building 1603 generated 2015 gallons of rinse water. The rinse water was sampled according to the closure plan. The rinse water is non-RCRA-regulated. PWC Jacksonville personnel reviewed the analytical reports and compared them to the pretreatment standards associated with the NPDES permit for the Federally-Owned Treatment Plant (FOTW). The wastewater met the pretreatment standards, so with the concurrence of the treatment plant engineer, the wastewater was introduced into the FOTW. All the rinsate was disposed in this manner on March 18-19, 2003.

2. Three drums of solid debris (471 lbs) were also generated during the closure process. The debris included soil and sweepings and are also non-RCRA-regulated. These drums were shipped on March 24, 2003 to Perma-Fix of Orlando on manifest 33084 (attached).

Bruce W. Reynolds, CHMM

Waste Operations & Analysis Division

Navy Public Works Center, Jacksonville, FL

Emergency Contact Telephone Number

1-800-873-2880 CODE 01

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. FL9170024260 — Manifest Document No. 3308 — 2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address: NAVAL STATION, MAYPORT
PUBLIC WORKS CENTER, BOX 30, CODE 331
JACKSONVILLE, FL 32212 (BLDG 147)

4. Generator's Phone (904 270-6488 (ORIG JACKSONVILLE)

5. Transporter 1 Company Name: PERMA-FIX TREATMENT SERVICES, INC. — 6. US EPA ID Number: OKD000402396

7. Transporter 2 Company Name — 8. US EPA ID Number

9. Designated Facility Name and Site Address: PERMA-FIX OF ORLANDO
10100 ROCKET BLVD.
ORLANDO, FL 32824 — 10. US EPA ID Number: FLD980497119

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

	HM		12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a.		NON REGULATED SOLIDS (DIRTA/SPILL DEBRIS)	005	DM	01822	P
b.						
c.						
d.						

15. Special Handling Instructions and Additional Information
HAZARDOUS EMERGENCY RESPONSE: 2004 ERGB
1-800-873-2880 CODE 01
SEND PHOTOCOPY (SS) CO DN CN TO
PERMA-FIX ORLANDO DEPT
1022 E 2nd St
TOLEDO OH 43605
11A: NA 11B: 11C: FR03-FF20163
11D: 11E: D.O.T. 895

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: [illegible] — Signature: [illegible] — Month 03 Day 24 Year 03

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: [illegible] — Signature: [illegible] — Month 03 Day 24 Year 03

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name — Signature — Month Day Year

APPENDIX F

PROJECT CORRESPONDENCE

Department of Environmental Protection

Jeb Bush
Governor

Northeast District
7825 Baymeadows Way, Suite B200
Jacksonville, Florida 32256-7590

David B. Struhs
Secretary

December 17, 2002

Ms. Cheryl L. Mitchell
Environmental Division Director
U. S. Naval Station - Mayport
Post Office Box 280067
Mayport, Florida 32228-0067

Dear Ms. Mitchell:

U. S. Naval Station - Mayport
FL9 170 024 260
Permit # HO16-270813
Duval County - Hazardous Waste

This letter is in response to U. S. Naval Station - Mayport's December 11, 2002 request of a 90 day extension to complete closure of Hazardous waste Container Storage, Building 1602. The department hereby modifies the permit to grant the facility's requested 90 day extension. Completion of closure activities will now be due on March 31, 2003.

This modification is pursuant to 62-730.290, F.A.C., and is effective today. All other conditions remain as issued. This letter must be attached to the facility's permit and becomes a part of that permit.

If you have any questions regarding this letter, please contact Ashwin Patel of this office for assistance at the letterhead address or telephone (904) 807-3378.

Sincerely,

Michael J. Fitzsimmons

Michael J. Fitzsimmons
Waste Program Administrator

MJF:*cb*

cc: Satish Kastury
Todd Dailey

DEPARTMENT OF THE NAVY

NAVAL STATION

MAYPORT, FLORIDA 32228-0112

IN REPLY REFER TO:
5090.12
Ser N4E4/3826
11 Dec 02

Certified Mail - Return Receipt

Mr. Ashwin Patel
Northeast District
Florida Department of Environmental Protection
7825 Baymeadows Way, Suite B200
Jacksonville, FL 32256-7590

Dear Mr. Patel:

SUBJECT: REQUEST EXTENSION OF CLOSURE DEADLINE FOR HAZARDOUS WASTE CONTAINER STORAGE FACILITY, BUILDING 1602, FDEP PERMIT H016-270813, HSWA ID FL9 170 024 260, NAVAL STATION MAYPORT

Naval Station (NAVSTA) Mayport requests a 90-day extension, from December 31, 2002 until March 31, 2003, to complete the closure of subject facility. The closure process began August 5, 2002 after receipt of your July 31, 2002 letter approving the closure plan.

We participated in a November 14, 2002 telephone conference with you about the inconsistency of the initial cleaning evolution analysis. At that time, all participants agreed upon a second wash and sampling in the two bays and we performed the work on November 18, 2002.

We require the additional time to complete the closure process, that is, compile the analytical results and prepare the certification paperwork for submission.

If you have any questions, please contact NAVSTA Mayport Hazardous Waste Program Manager, Ursula Shaw, at 904-270-6730 x205 or E-mail ushaw@nsmayport.spear.navy.mil.

Sincerely,

CHERYL L. MITCHELL
Director, Environmental Division
By direction of the
Commanding Officer

Copy to:
Florida Department of Environmental Protection, Tallahassee, (Doug Outlaw)
Commander, Navy Region Southeast (N46E)
Southern Division, Naval Facilities Engineering Command (ES22)
Navy Public Works Center, Jacksonville (Code 300)

- PERMIT BUS. 5-10.12 FIRD.

N4E
N4E ~~SAFETY~~
SODIV E52
PWC 300

Department of Environmental Protection

Jeb Bush
Governor

Northeast District
7825 Baymeadows Way, Suite B200
Jacksonville, Florida 32256-7590

David B. Struhs
Secretary

August 1, 2002

Ms. Cheryl Mitchell
Director, Environmental Division
Public Works Office
U. S. Naval Station – Mayport
Post Office Box 280067
Mayport, FL 32228-0067

Dear Ms. Mitchell:

U. S. Naval Station – Mayport
FL6 170 024 260
HO16-270813
Duval County – Hazardous Waste

This letter is in response to your July 22, 2002 letter requesting approval to temporarily store Universal waste in the general storage area bay of the hazardous waste container storage Building 1986 while the Building 1602 is being closed. The Florida Department of Environmental Protection approves your request and authorizes the Navy to temporarily store Universal waste, described in your letter in the Building 1986. Please note that the amount of Universal waste must be included in the total amount of waste permitted to be stored in the general storage area bay.

If you have any questions, please contact Ashwin Patel at 904-807-3378 or at the above address.

Sincerely,

Michael J. Fitzsimmons
Environmental Administrator

MJF:ap

cc: Doug Outlaw

"More Protection, Less P
Printed on recycled pape

OPTIONAL FORM 99 (7-90)

FAX TRANSMITTAL # of pages ▸ 1

To TODD DAILEY	From P LOCKWOOD
Dept./Agency SODIV E522	Phone # DSN 960-6730
Fax # 583-7465	Fax # 7398

NSN 7540-01-317-7368 5099-101 GENERAL SERVICES ADMINISTRATION

Department of
Environmental Protection

Jeb Bush
Governor

Northeast District
7825 Baymeadows Way, Suite B200
Jacksonville, Florida 32256-7590

David B. Struhs
Secretary

July 31, 2002

Ms. Cheryl Mitchell
Director, Environmental Division
Public Works Office
U. S. Naval Station – Mayport
Post Office Box 280067
Mayport, FL 32228-0067

Dear Ms. Mitchell:

U. S. Naval Station – Mayport
FL6 170 024 260
HO16-270813
Duval County – Hazardous Waste

This in response to your July 23, 2002 letter requesting approval to commence closure of the hazardous waste container storage Building 1602 and approval of the Sampling Plan for the closure. The Florida Department of Environmental Protection Department approves the Sampling Plan for implementation and authorizes the Navy to commence closure.

If you have any questions, please contact me at 904-807-3378 or at the above address.

Sincerely,

Ashwin B. Patel
Hazardous Waste Supervisor

ABP:eh

cc: Doug Outlaw
Tod Dailey

DEPARTMENT OF THE NAVY

NAVAL STATION

MAYPORT, FLORIDA 32228-0112

IN REPLY REFER TO:
5090.12
Ser N4E4/2218
23 Jul 2002

Certified Mail-Return Receipt

Mr. Ashwin Patel
Northeast District
Florida Department of Environmental Protection
7825 Baymeadows Way, Suite B200
Jacksonville, FL 32256-7590

Dear Mr. Patel:

SUBJECT: REQUEST APPROVAL TO COMMENCE CLOSURE OF HAZARDOUS WASTE CONTAINER STORAGE, BUILDING 1602, NAVAL STATION MAYPORT HSWA ID FL9 170 024 260, FDEP PERMIT HO16-270813

Naval Station (NAVSTA) Mayport requests approval of the enclosed Sampling Plan of July 2002 for the closure of the hazardous waste container storage facility, building 1602. This plan incorporates the concerns raised during our meeting with you on July 16, 2002 and supersedes the April 2002 Sampling Plan submitted by NAVSTA Mayport letter 5090.12 Ser N4E4/1789 of June 14, 2002.

NAVSTA Mayport also requests your authorization to begin closure of this building. The Navy Public Works Center Jacksonville no longer accepts material/waste at Building 1602 and the building is now empty.

If you have any questions, please contact NAVSTA Mayport's Hazardous Waste Program Manager, Ms. Ursula Shaw, at 904-270-6730 x205 or E-mail ushaw@nsmayport.spear.navy.mil.

Sincerely,

CHERYL MITCHELL
Director, Environmental Division
By direction of the
Commanding Officer

Enclosure (1)

Copy to: (w/o encl)
Florida Department of Environmental Protection, Tallahassee (Doug Outlaw) (w/encl)
Commander, Navy Region Southeast (N46E)
Southern Division, Navy Facilities Engineering Command (ES22)
Navy Public Works Center, Jacksonville (Code 300)

TODD —
BK —

DEPARTMENT OF THE NAVY

NAVAL STATION

MAYPORT, FLORIDA 32228-0112

IN REPLY REFER TO:
5090.12
Ser N4E4/2203
22 Jul 2002

Certified Mail - Return Receipt

Mr. Ashwin Patel
Northeast District
Florida Department of Environmental Protection
7825 Baymeadows Way, Suite B200
Jacksonville, FL 32256-7590

Dear Mr. Patel

SUBJECT: REQUEST APPROVAL FOR TEMPORARY STORAGE OF UNIVERSAL AND NON-REGULATED WASTE IN HAZARDOUS WASTE CONTAINER STORAGE FACILITY, BUILDING 1986, NAVAL STATION MAYPORT, HSWA ID FL9170024260, FDEP PERMIT H016-270813

On June 14, 2002, Naval Station (NAVSTA) Mayport requested approval to begin the closure of the hazardous waste container storage facility (HWCSF), building 1602. We plan to begin work as soon as we receive approval from your office. Due to the closure work in building 1602, storage space for universal wastes and non-regulated wastes will be temporarily lost.

We request your authorization to temporarily store universal waste (lamps and batteries) and non-regulated oily rags in the HWCSF, building 1986, during the closure of building 1602. The enclosed sketch shows the proposed storage location and the estimated quantities to be stored at one time are as follows: 1) Two pallets of mercury-containing lamps, each pallet having up to 30 boxes of lamps; 2) one pallet of Universal Waste Batteries, with up to nine five-gallon buckets; and 3) two tri-walls of non-regulated oily rags.

NAVSTA Mayport will count these Universal and Non-RCRA-Regulated wastes as part of our permitted facility inventory and will observe the existing permit capacity limits. The wastes will be stored in the general bay (location M-1-C-E) where we normally keep DOT Class 9 wastes.

If you have any questions, please contact NAVSTA Mayport's Hazardous Waste Program Manager, Ms. Ursula Shaw, at 904-270-6730, x205 or E-mail ushaw@nsmayport.spear.navy.mil.

Sincerely,

CHERYL L. MITCHELL
Director, Environmental Division
By direction of the
Commanding Officer

Enclosure (1)

Copy to:
Florida Department of Environmental Protection, Tallahassee, (Doug Outlaw)
Southern Division, Naval Facilities Engineering Command (ES22)
Navy Public Works Center, Jacksonville (Code 300)
Commander, Navy Region Southeast (N46E)

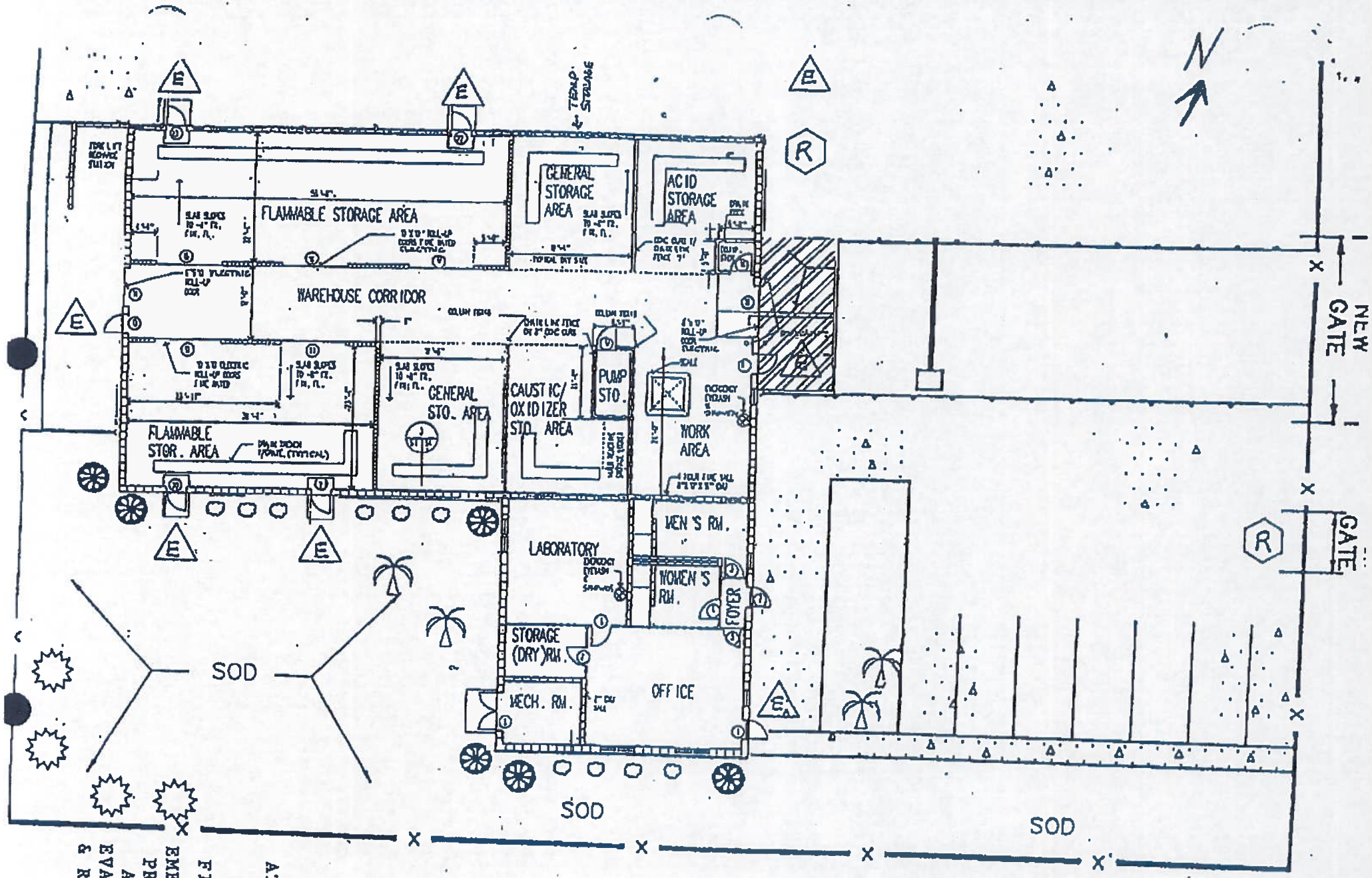


FIGURE 3
EVACUATION PLAN

ATTACHMENT A-1

FIGURE 3
EMERGENCY :
PRIMARY AND
ALTERNATE :
EVACUATION RTS
& RALLY POINTS

Shaw Environmental & Infrastructure, Inc.

8021 Philips Highway, Suite 12
Jacksonville, FL 32256-7460
904.636.9360
FAX: 904.636.9356

Shaw The Shaw Group Inc.™

July 12, 2002
Project 832365.01

Mr. Ashwin Patel
Northeast District
Florida Department of Environmental Protection
7825 Baymeadows Way, Suite B200
Jacksonville, Florida 32256-7590

Re: Initial Inspection for Closure Certification
Hazardous Waste Container Storage, Building 1602
Naval Station Mayport
HSWA ID FL9 170 024 260
FDEP Permit #72442-001-HO

Dear Mr. Patel:

Shaw Environmental, Inc. (Shaw) has been retained by the Southern Division, Navy Facilities Engineering Command (SOUTHDIV) to provide oversight for the closure activities and certification of the final closure of Building 1602 at the U.S. Naval Station Mayport, Mayport Road, Mayport, Florida. The closure will be accomplished under the existing operating permit #72442-001-HO.

On June 27, representatives from SOUTHDIV, NS Mayport, TetraTech NUS (the facility cleaning and sampling contractor), and myself met to discuss the closure project. I am a registered professional engineer in the State of Florida and will be providing the third party certification of clean closure for Building 1602.

I conducted an initial inspection of Building 1602. Hazardous waste is no longer accepted for storage or stored in Building 1602. All hazardous wastes from NS Mayport are currently stored in Building 1986. Currently, only miscellaneous new empty 5-gallon buckets, new boxes, new fiber drums, and bags of new absorbent granules; several boxes of universal wastes (mercury lights and nickel-cadmium batteries); and a small skid mounted tank containing lube oil are stored in Building 1602. The tentative start date for beginning cleaning and sampling activities is July 29, 2002. NS Mayport representatives have indicated all materials and universal wastes will be removed from Building 1602 by that date.

Pending the removal of these materials and universal wastes, I certify that the facility is ready for decontamination.

If you have any questions or comments regarding this matter, please contact Mr. Todd Dailey with SOUTHDIV at 843-820-5508 or Ms. Ursula Shaw with NS Mayport at 904-270-6730 ext. 205

Sincerely,

Shaw Environmental & Infrastructure, Inc.

Mark A. Blowers, PE
Business Line Manager

cc: Todd Dailey, SOUTHDIV
Ursula Shaw, NS Mayport
Bruce Reynolds, PWC JAX
Alan Pate, TetraTech NUS

DEPARTMENT OF THE NAVY
NAVAL STATION
MAYPORT, FLORIDA 32228-0112

IN REPLY REFER TO:
5090.12
Ser N4E4/1789
14 Jun 2002

Certified Mail-Return Receipt

Mr. Ashwin Patel
Northeast District
Florida Department of Environmental Protection
7825 Baymeadows Way, Suite B200
Jacksonville, FL 32256-7590

Dear Mr. Patel:

SUBJECT: REQUEST APPROVAL TO COMMENCE CLOSURE OF HAZARDOUS WASTE CONTAINER STORAGE, BUILDING 1602, NAVAL STATION MAYPORT HSWA ID FL9 170 024 260, FDEP PERMIT HO16-270813

Naval Station (NAVSTA) Mayport requests approval of the enclosed Sampling Plan of April 2002 for the closure of the hazardous waste container storage facility, building 1602. The Navy modified the sampling plan to incorporate all the concerns raised during our meeting with you on March 28, 2002.

NAVSTA Mayport also requests your authorization to begin closure of this building.

The Navy Public Works Center Jacksonville is no longer accepting material/waste at Building 1602; the present inventory of material/waste stored at this facility is mercury lamps in cardboard containers. The building will be empty before the closure procedure begins.

If you have any questions, please contact NAVSTA Mayport's Hazardous Waste Program Manager, Ms. Ursula Shaw, at 904-270-6730 x205 or E-mail ushaw@nsmayport.spear.navy.mil.

Sincerely,

CHERYL MITCHELL
Director, Environmental Division
By direction of the
Commanding Officer

Enclosure (1)

Copy to: (w/o encl)
Florida Department of Environmental Protection, Tallahassee (Doug Outlaw) (w/encl)
Commander, Navy Region Southeast (N46E)
Southern Division, Navy Facilities Engineering Command (ES22)
Navy Public Works Center, Jacksonville (Code 300)

ATTACHMENT C

ANALYTICAL TABLE FROM THE 2006 GROUNDWATER SAMPLING

TABLE C-1

SUMMARY OF GROUNDWATER DETECTIONS - NOVEMBER 6, 2006
SWMU 10
NAVAL STATION MAYPORT
JACKSONVILLE, FLORIDA

LOCATION	FL	**MPT-10-MW01S**
SAMPLE ID	GCTL	**MPT-10-GW-MW01S-110606**
SAMPLE DATE	CRITERIA	**20061106**
METALS (UG/L)		
BARIUM	2000	10.7
CALCIUM	NC	64100
MAGNESIUM	NC	21400
MANGANESE	50	37.2
POTASSIUM	NC	16300
SODIUM	160000	54200
ZINC	5000	4.8

TABLE C-2

GROUNDWATER ANALYTICAL RESULTS - NOVEMBER 6, 2006
SWMU 10
NAVAL STATION MAYPORT
JACKSONVILLE, FLORIDA

LOCATION	**MPT-10-MW01S**
SAMPLE ID	**MPT-10-GW-MW01S-110606**
SAMPLE DATE	**20061106**
METALS (UG/L)	
ALUMINUM	82.6 U
ANTIMONY	2.68 U
ARSENIC	3.09 U
BARIUM	10.7
BERYLLIUM	0.3 U
CADMIUM	2.48 U
CALCIUM	64100
CHROMIUM	1.5 U
COBALT	2.99 U
COPPER	3.3 U
IRON	63.7 U
LEAD	1.8 U
MAGNESIUM	21400
MANGANESE	37.2
MERCURY	0.01 U
NICKEL	9.98 U
POTASSIUM	16300
SELENIUM	4.04 UR
SILVER	1.21 U
SODIUM	54200
THALLIUM	6.04 U
TIN	3.5 U
VANADIUM	6.5 U
ZINC	4.8
MISCELLANEOUS PARAMETERS (MG/L)	
SULFIDE	0.05 U
MISCELLANEOUS PARAMETERS (UG/L)	
CYANIDE	10 U
PESTICIDES/PCBS (UG/L)	
AROCLOR-1016	0.38 UJ
AROCLOR-1221	0.16 UJ
AROCLOR-1232	0.26 UJ
AROCLOR-1242	0.2 UJ
AROCLOR-1248	0.18 UJ
AROCLOR-1254	0.24 UJ
AROCLOR-1260	0.25 UJ
SEMIVOLATILES (UG/L)	
1,2,4,5-TETRACHLOROBENZENE	4 U
1,2,4-TRICHLOROBENZENE	2 U
1,3,5-TRINITROBENZENE	5 UJ
1,3-DINITROBENZENE	5 U
1,4-NAPHTHOQUINONE	4 UR
1,4-PHENYLENEDIAMINE	5 UR
1-NAPHTHYLAMINE	3 U

TABLE C-2

GROUNDWATER ANALYTICAL RESULTS - NOVEMBER 6, 2006
SWMU 10
NAVAL STATION MAYPORT
JACKSONVILLE, FLORIDA

LOCATION SAMPLE ID SAMPLE DATE	**MPT-10-MW01S** **MPT-10-GW-MW01S-110606** **20061106**
2,2'-OXYBIS(1-CHLOROPROPANE)	3 UJ
2,3,4,6-TETRACHLOROPHENOL	6 U
2,4,5-TRICHLOROPHENOL	6 U
2,4,6-TRICHLOROPHENOL	6 U
2,4-DICHLOROPHENOL	7 U
2,4-DIMETHYLPHENOL	7 U
2,4-DINITROPHENOL	22 U
2,4-DINITROTOLUENE	4 U
2,6-DICHLOROPHENOL	8 U
2,6-DINITROTOLUENE	4 U
2-ACETYLAMINOFLUORENE	4 U
2-CHLORONAPHTHALENE	2 U
2-CHLOROPHENOL	8 U
2-METHYLNAPHTHALENE	4 U
2-METHYLPHENOL	8 U
2-NAPHTHYLAMINE	4 UJ
2-NITROANILINE	3 U
2-NITROPHENOL	7 U
2-PICOLINE	3 U
3&4-METHYLPHENOL	8 U
3,3'-DICHLOROBENZIDINE	3 UJ
3,3'-DIMETHYLBENZIDINE	6 U
3-METHYLCHOLANTHRENE	6 U
3-NITROANILINE	4 UR
4,6-DINITRO-2-METHYLPHENOL	10 U
4-AMINOBIPHENYL	4 UJ
4-BROMOPHENYL PHENYL ETHER	3 U
4-CHLORO-3-METHYLPHENOL	9 U
4-CHLOROANILINE	4 UJ
4-CHLOROPHENYL PHENYL ETHER	3 U
4-NITROANILINE	5 UR
4-NITROPHENOL	15 UJ
4-NITROQUINOLINE-1-OXIDE	9 UR
5-NITRO-O-TOLUIDINE	5 U
7,12-DIMETHYLBENZ(A)ANTHRACENE	4 U
A,A-DIMETHYLPHENETHYLAMINE	15 UR
ACENAPHTHENE	3 U
ACENAPHTHYLENE	3 U
ACETOPHENONE	5 U
ANILINE	6 UJ
ANTHRACENE	3 U
ARAMITE	8 UR
BENZO(A)ANTHRACENE	2 U
BENZO(A)PYRENE	3 U
BENZO(B)FLUORANTHENE	3 U

TABLE C-2

GROUNDWATER ANALYTICAL RESULTS - NOVEMBER 6, 2006
SWMU 10
NAVAL STATION MAYPORT
JACKSONVILLE, FLORIDA

LOCATION SAMPLE ID SAMPLE DATE	**MPT-10-MW01S** **MPT-10-GW-MW01S-110606** **20061106**
BENZO(G,H,I)PERYLENE	8 U
BENZO(K)FLUORANTHENE	4 U
BENZYL ALCOHOL	8 U
BIS(2-CHLOROETHOXY)METHANE	3 U
BIS(2-CHLOROETHYL)ETHER	4 UJ
BIS(2-ETHYLHEXYL)PHTHALATE	7 UJ
BUTYL BENZYL PHTHALATE	6 UJ
CHLOROBENZILATE	7 UR
CHRYSENE	3 U
DIALLATE	4 U
DIBENZO(A,H)ANTHRACENE	7 U
DIBENZOFURAN	3 U
DIETHYL PHTHALATE	3 U
DIMETHOATE	7 UR
DIMETHYL PHTHALATE	4 UR
DI-N-BUTYL PHTHALATE	7 U
DI-N-OCTYL PHTHALATE	5 UJ
DINOSEB	5 U
ETHYL METHANE SULFONATE	7 U
ETHYL PARATHION	14 U
FLUORANTHENE	8 U
FLUORENE	3 U
HEXACHLOROBENZENE	3 U
HEXACHLOROBUTADIENE	2 U
HEXACHLOROCYCLOPENTADIENE	2 U
HEXACHLOROETHANE	3 U
HEXACHLOROPHENE	5 UR
HEXACHLOROPROPENE	3 UJ
INDENO(1,2,3-CD)PYRENE	7 UJ
ISODRIN	4 U
ISOPHORONE	3 U
ISOSAFROLE	5 U
METHAPYRILENE	8 UJ
METHYL METHANE SULFONATE	7 U
NAPHTHALENE	2 U
NITROBENZENE	2 U
N-NITROSODIETHYLAMINE	3 U
N-NITROSODIMETHYLAMINE	4 U
N-NITROSO-DI-N-BUTYLAMINE	8 U
N-NITROSO-DI-N-PROPYLAMINE	4 U
N-NITROSODIPHENYLAMINE	5 U
N-NITROSOMETHYLETHYLAMINE	5 U
N-NITROSOMORPHOLINE	4 U
N-NITROSOPIPERIDINE	3 U
N-NITROSOPYRROLIDINE	5 U

TABLE C-2

GROUNDWATER ANALYTICAL RESULTS - NOVEMBER 6, 2006
SWMU 10
NAVAL STATION MAYPORT
JACKSONVILLE, FLORIDA

LOCATION SAMPLE ID SAMPLE DATE	**MPT-10-MW01S** **MPT-10-GW-MW01S-110606** **20061106**
O,O,O-TRIETHYL PHOSPHOROTHIOATE	3 U
O-TOLUIDINE	10 U
PENTACHLOROBENZENE	3 U
PENTACHLORONITROBENZENE	4 U
PENTACHLOROPHENOL	16 U
PHENACETIN	6 U
PHENANTHRENE	3 U
PHENOL	8 U
PRONAMIDE	5 U
PYRENE	6 U
PYRIDINE	2 U
SAFROLE	3 U
SOLVENT YELLOW 2	6 U
SULFOTEPP	3 U
THIONAZIN	4 U
VOLATILES (UG/L)	
1,1,1,2-TETRACHLOROETHANE	0.4 U
1,1,1-TRICHLOROETHANE	0.5 U
1,1,2,2-TETRACHLOROETHANE	0.6 U
1,1,2-TRICHLOROETHANE	0.5 U
1,1-DICHLOROETHANE	0.4 U
1,1-DICHLOROETHENE	0.6 U
1,2,3-TRICHLOROPROPANE	0.5 U
1,2,4-TRICHLOROBENZENE	0.4 U
1,2-DIBROMO-3-CHLOROPROPANE	0.6 U
1,2-DIBROMOETHANE	0.3 U
1,2-DICHLOROBENZENE	0.3 U
1,2-DICHLOROETHANE	0.4 U
1,2-DICHLOROPROPANE	0.5 UJ
1,3-DICHLOROBENZENE	0.4 U
1,4-DICHLOROBENZENE	0.4 U
1,4-DIOXANE	20 UR
2-BUTANONE	3 U
2-HEXANONE	2 U
3-CHLOROPROPENE	0.6 UJ
4-METHYL-2-PENTANONE	2 U
ACETONE	3 U
ACETONITRILE	14 UR
ACROLEIN	3 UR
ACRYLONITRILE	4 UJ
BENZENE	0.5 UJ
BROMODICHLOROMETHANE	0.4 U
BROMOFORM	0.4 U
BROMOMETHANE	0.6 U
CARBON DISULFIDE	0.6 U

TABLE C-2

GROUNDWATER ANALYTICAL RESULTS - NOVEMBER 6, 2006
SWMU 10
NAVAL STATION MAYPORT
JACKSONVILLE, FLORIDA

LOCATION SAMPLE ID SAMPLE DATE	**MPT-10-MW01S** **MPT-10-GW-MW01S-110606** **20061106**
CARBON TETRACHLORIDE	0.5 U
CHLOROBENZENE	0.3 U
CHLORODIBROMOMETHANE	0.3 U
CHLOROETHANE	0.5 U
CHLOROFORM	0.4 U
CHLOROMETHANE	0.6 U
CHLOROPRENE	0.5 UJ
CIS-1,2-DICHLOROETHENE	0.5 U
CIS-1,3-DICHLOROPROPENE	0.4 U
DIBROMOMETHANE	0.4 U
DICHLORODIFLUOROMETHANE	0.3 UJ
ETHYL METHACRYLATE	0.4 UJ
ETHYLBENZENE	0.3 U
ISOBUTANOL	13 UR
M+P-XYLENES	1 U
METHACRYLONITRILE	3 UJ
METHYL IODIDE	0.2 U
METHYL METHACRYLATE	0.6 UJ
METHYLENE CHLORIDE	2 U
O-XYLENE	0.4 U
PENTACHLOROETHANE	0.6 UJ
PROPIONITRILE	4 UR
STYRENE	0.3 U
TETRACHLOROETHENE	0.6 U
TOLUENE	0.4 U
TRANS-1,2-DICHLOROETHENE	0.6 U
TRANS-1,3-DICHLOROPROPENE	0.4 U
TRANS-1,4-DICHLORO-2-BUTENE	0.7 UJ
TRICHLOROETHENE	0.4 U
TRICHLOROFLUOROMETHANE	0.4 U
VINYL ACETATE	0.5 U
VINYL CHLORIDE	0.6 U

ATTACHMENT D

FIELD FORMS FROM THE
2006 GROUNDWATER WELL INSTALL AND SAMPLING

Tetra Tech NUS, Inc.

DOCUMENTATION OF FIELD CALIBRATION

PROJECT NAME : SWMU

SITE NAME: NAVSTA Mayport

PROJECT No.: 112G00436

INSTRUMENT NAME/MODEL: YSI 556 MPS

MANUFACTURER: YSI

SERIAL NUMBER: 05H2352 AP

Date of Calibration	Instrument Name and Model	Instrument I.D. Number	Person Performing Calibration	Instrument Settings		Instrument Readings		Calibration Standard (Lot No.)	Remarks and Comments
				Pre-calibration	Post-calibration	Pre-calibration	Post-calibration		
11/06/06	YSI 556 MPS	05H2352	J. Foster	pH 4	4.0	4.06	4.00	NA	
				pH 7	10.0	9.93	10.00	NA	
				Cond.	1.409 mS/cm	1.344	1.409	NA	
				ORP					
				D.O.	100%	91.9	100.0%	NA	
	LaMotte 2020	1552-0100		Turb.	1.0	3.2	1.0	8188-P546[illegible]	Exp. 2/07
				Turb.	10.0	9.7	10.0	8187-P588485	Exp. 2/07

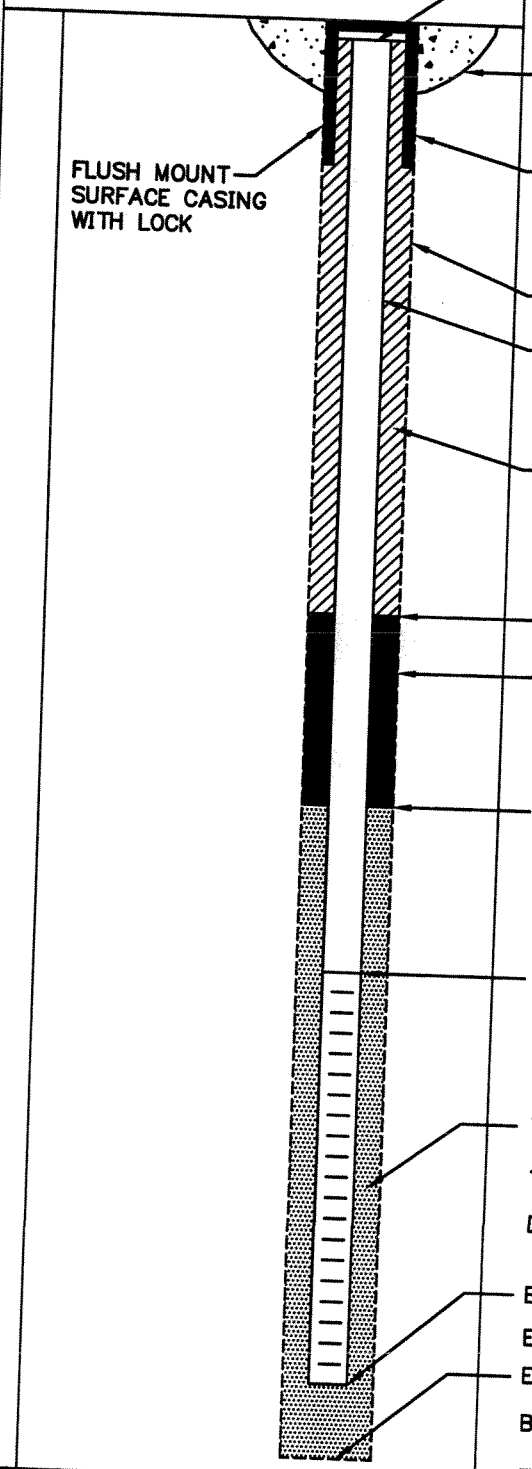
WELL NO.: ~~MPT10DH~~ 10 MW 01S

Tetra Tech NUS, Inc.

OVERBURDEN MONITORING WELL SHEET FLUSH - MOUNT

PROJECT MPT 10
PROJECT NO. 112G00436
DATE BEGUN 11/2/06
FIELD GEOLOGIST D. Hardisman
GROUND ELEVATION _____
LOCATION SwMu 1D
BORING MPT 10-MW01S
DATE COMPLETED 11/2/06
DATUM _____

DRILLER Partridge
DRILLING METHOD Hollow Stem
DEVELOPMENT METHOD _____



ELEVATION TOP OF RISER: _____

TYPE OF SURFACE SEAL: concrete pad

TYPE OF PROTECTIVE CASING: _____

I.D. OF PROTECTIVE CASING: _____

DIAMETER OF HOLE: 6"

TYPE OF RISER PIPE: _____

RISER PIPE I.D.: _____

TYPE OF BACKFILL/SEAL: Grout

ELEVATION/DEPTH TOP OF SEAL: / 2ft

TYPE OF SEAL: Fine Sand

ELEVATION/DEPTH TOP OF SAND: / 3ft

ELEVATION/DEPTH TOP OF SCREEN: / 5ft

TYPE OF SCREEN: _____

SLOT SIZE x LENGTH: _____

TYPE OF SAND PACK: 20/30 silica Sand

DIAMETER OF HOLE IN BEDROCK: 6"

ELEVATION / DEPTH BOTTOM OF SCREEN: / 15ft

ELEVATION / DEPTH BOTTOM OF SAND: / 15ft

ELEVATION/DEPTH BOTTOM OF HOLE: / 15ft

BACKFILL MATERIAL BELOW SAND: _____

ACAD:FORM_MWFM.dwg 07/20/99 INL

Tetra Tech NUS / FDEP Groundwater Sampling Sheet

SITE NAME: **SWMU** 10		SITE LOCATION: **NAVSTA Mayport**
WELL NO: 10 MW01S	SAMPLE ID: MPT10-GW-MW01S-110606	DATE: 11 / 06 / 2006

PURGING DATA

WELL DIAMETER (in): 2	TUBING DIAMETER (inches): 3/16	WELL SCREEN INTERVAL DEPTH: - 15.00	STATIC DEPTH TO WATER (ft): 8.32	PURGE PUMP TYPE OR BAILER: Peristaltic Pump

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

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

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 10.0	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 10.0	PURGE INITIATED AT: 1010	PURGE ENDED AT: 1045	TOTAL VOLUME PURGED (Liters): 7.0

TIME	VOLUME PURGED (Liters)	CUMUL. VOLUME PURGED (Liters)	PURGE RATE (mlpm)	DEPTH TO WATER (ft)	pH (standard units)	TEMP. (°C)	COND. (µS/cm)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	ORP (mV)	COLOR
1010	—	—	200	8.82	—	—	—	—	—	—	—
1015	1.0	1.0	200	8.39	7.69	23.60	750	0.61	13	-104.8	clear
1020	~~2.0~~ 1.0	2.0	200	8.40	7.66	23.64	734	0.46	20	-100.2	clear
1025	1.0	3.0	200	8.40	7.63	23.64	724	0.40	13	-102.5	clear
1030	1.0	4.0	200	8.40	7.62	23.65	721	0.38	7.40	-100.4	clear
1035	1.0	5.0	200	8.40	7.61	23.65	718	0.34	3.8	-103.7	clear
1040	1.0	6.0	200	8.40	7.60	23.65	713	0.31	2.0	-102.4	clear
1045	1.0	7.0	200	8.40	7.59	23.65	711	0.29	1.2	-97.5	clear

WELL CAPACITY (Gallons Per Foot): **0.75"** = 0.02; **1"** = 0.04; **1.25"** = 0.06; **2"** = 0.16; **3"** = 0.37; **4"** = 0.65; **5"** = 1.02; **6"** = 1.47; **12"** = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"** = 0.0006; **3/16"** = 0.0014; **1/4"** = 0.0026; **5/16"** = 0.004; **3/8"** = 0.006; **1/2"** = 0.010; **5/8"** = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: TtNUS/ Jonathan Foster	SAMPLER(S) SIGNATURES: [signature]	SAMPLING INITIATED AT: 1050	SAMPLING ENDED AT: 1100
PUMP OR TUBING DEPTH IN WELL (feet): 10.0	SAMPLE PUMP FLOW RATE (mL per minute): 200	TUBING MATERIAL CODE: Teflon	
FIELD DECONTAMINATION: Y N	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type: ____	DUPLICATE: Y N	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH		

REMARKS:

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

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

ATTACHMENT E

ANALYTICAL REPORTS (WITH VALIDATION) FOR GROUNDWATER
(PROVIDED ELECTRONICALLY ONLY ON CD-ROM)

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**T. HANSEN**	**DATE:**	**SEPTEMBER 27, 2002**
FROM:	**ETHAN G. LEE**	**COPIES:**	**DV FILE**

SUBJECT: **INORGANIC DATA VALIDATION – SELECT METALS**
NS MAYPORT – CTO 267
SAMPLE DELIVERY GROUP (SDG) – 60115

SAMPLES: 9/SOIL/

MPT-1602-SB01-05	MPT-1602-SB02-05	MPT-1602-SB03-05
MPT-1602-SB04-05	MPT-1602-SBDUP01-05	MPT-1602-SS01-01
MPT-1602-SS02-01	MPT-1602-SS03-01	MPT-1602-SS04-01

Overview

The sample set for NS Mayport, CTO 267, SDG 60115, consists of nine (9) soil environmental samples. One (1) field duplicate pair (MPT-1602-SBDUP01-05 / MPT-1602-SB02-05) is included in this SDG.

The samples were analyzed for arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver. The samples were collected by Tetra Tech NUS August 5, 2002 and analyzed by Severn Trent Laboratories. Metals analyses except mercury were conducted using method SW846 6010B. Mercury analyses were conducted using method SW846 7471A.

Metals analyses except mercury were conducted using Inductively Coupled Plasma (ICP) methodologies. Mercury analyses were conducted using Manual Cold Vapor Atomic Absorption (CVAA) methodologies.

These data were evaluated based on the following parameters:

* • Data Completeness
* • Holding Times
* • Calibration Recoveries
  • Laboratory Blank Analyses
* • ICP Interference
* • Matrix Spike Recoveries
* • Laboratory Duplicate Results
* • Laboratory Control Sample Recoveries
* • ICP Serial Dilution Results
* • Field Duplicate Results
* • Sample Quantitation
* • Detection Limits

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

Laboratory Blank Analyses

The following contaminants were detected in the laboratory method/preparation blanks at the following maximum concentrations:

Analyte	Maximum Concentration	Action Level
Barium[1]	0.11 mg/kg	0.55 mg/kg
Chromium[1]	0.077 mg/kg	0.385 mg/kg
Lead	1.9 ug/L	0.95 mg/kg
Mercury	0.1 ug/L	0.0835 mg/kg
Selenium	3.4 ug/L	1.7 mg/kg

[1] Maximum concentration present in soil preparation blank.

An action level of 5X the maximum concentration was used to evaluate the sample data for blank contamination. Sample aliquot, percent solids, and dilution factors, if applicable, were taken into consideration when evaluating for blank contamination. Positive results less than the action level for lead, mercury, and selenium were qualified as nondetected (U) due to blank contamination. The remaining analytes were not qualified because the sample values were either greater than the action level or were nondetects.

Executive Summary

Laboratory Performance: Several analytes were present in the laboratory method/preparation blanks.

Other Factors Affecting Data Quality: None.

The data for these analyses were reviewed with reference to the "National Functional Guidelines for Inorganic Review", February 1994 and the NFESC document entitled "Navy IRCDQM" (September 1999).

The text of this report has been formulated to address only those problem areas affecting data quality.

"I attest that the data referenced herein were validated according to the agreed upon validation criteria as specified in the NFESC Guidelines and the Quality Assurance Project Plan (QAPP)."

Tetra Tech NUS
Ethan G. Lee
Environmental Scientist

Tetra Tech NUS
Joseph A. Samchuck
Quality Assurance Officer

Attachments:

1. Appendix A - Qualified Analytical Results
2. Appendix B - Results as reported by the Laboratory
3. Appendix C - Support Documentation

APPENDIX A

QUALIFIED ANALYTICAL RESULTS

Qualifier Codes:

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

PROJ_NO: 2129

SDG: 60115 MEDIA: SOIL DATA FRACTION: M

nsample	MPT-1602-SB01-05	nsample	MPT-1602-SB02-05	nsample	MPT-1602-SB03-05
samp_date	8/5/2002	samp_date	8/5/2002	samp_date	8/5/2002
lab_id	C2H060115002	lab_id	C2H060115006	lab_id	C2H060115008
qc_type	NM	qc_type	NM	qc_type	NM
units	MG/KG	units	MG/KG	units	MG/KG
Pct_Solids	89	Pct_Solids	92	Pct_Solids	88
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ARSENIC	0.93		
BARIUM	4.7		
CADMIUM	0.072		
CHROMIUM	2.7		
LEAD	0.61	U	A
MERCURY	0.018	U	A
NICKEL	1.0		
SELENIUM	0.48	U	A
SILVER	0.051	U	

Parameter	Result	Val Qual	Qual Code
ARSENIC	1.1		
BARIUM	5.7		
CADMIUM	0.052		
CHROMIUM	1.6		
LEAD	1.3		
MERCURY	0.013	U	A
NICKEL	0.46		
SELENIUM	0.26	U	
SILVER	0.049	U	

Parameter	Result	Val Qual	Qual Code
ARSENIC	0.69		
BARIUM	3.6		
CADMIUM	0.042		
CHROMIUM	1.5		
LEAD	0.44	U	A
MERCURY	0.012	U	
NICKEL	0.62		
SELENIUM	0.27	U	
SILVER	0.051	U	

PROJ_NO: 2129

SDG: 60115 MEDIA: SOIL DATA FRACTION: M

nsample	MPT-1602-SB04-05
samp_date	8/5/2002
lab_id	C2H060115004
qc_type	NM
units	MG/KG
Pct_Solids	93
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ARSENIC	0.97		
BARIUM	5.7		
CADMIUM	0.053		
CHROMIUM	1.6		
LEAD	1.7		
MERCURY	0.011	U	
NICKEL	0.50		
SELENIUM	0.26	U	
SILVER	0.049	U	

nsample	MPT-1602-SBDUP01-05
samp_date	8/5/2002
lab_id	C2H060115009
qc_type	NM
units	MG/KG
Pct_Solids	89
DUP_OF:	MPT-1602-SB02-05

Parameter	Result	Val Qual	Qual Code
ARSENIC	0.88		
BARIUM	10.1		
CADMIUM	0.055		
CHROMIUM	1.1		
LEAD	1.9		
MERCURY	0.013	U	A
NICKEL	0.57		
SELENIUM	0.27	U	
SILVER	0.051	U	

nsample	MPT-1602-SS01-01
samp_date	8/5/2002
lab_id	C2H060115001
qc_type	NM
units	MG/KG
Pct_Solids	95
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ARSENIC	0.97		
BARIUM	12.5		
CADMIUM	0.24		
CHROMIUM	6.4		
LEAD	9.1		
MERCURY	0.031	U	A
NICKEL	1.0		
SELENIUM	0.25	U	
SILVER	0.047	U	

PROJ_NO: 2129

SDG: 60115 MEDIA: SOIL DATA FRACTION: M

nsample	MPT-1602-SS02-01
samp_date	8/5/2002
lab_id	C2H060115005
qc_type	NM
units	MG/KG
Pct_Solids	94
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ARSENIC	1.3		
BARIUM	17.6		
CADMIUM	0.22		
CHROMIUM	3.4		
LEAD	8.0		
MERCURY	0.025	U	A
NICKEL	1.2		
SELENIUM	0.26	U	
SILVER	0.048	U	

nsample	MPT-1602-SS03-01
samp_date	8/5/2002
lab_id	C2H060115007
qc_type	NM
units	MG/KG
Pct_Solids	94
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ARSENIC	0.83		
BARIUM	6.0		
CADMIUM	0.042		
CHROMIUM	2.6		
LEAD	1.7		
MERCURY	0.011	U	
NICKEL	0.78		
SELENIUM	0.26	U	
SILVER	0.048	U	

nsample	MPT-1602-SS04-01
samp_date	8/5/2002
lab_id	C2H060115003
qc_type	NM
units	MG/KG
Pct_Solids	94
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ARSENIC	0.75		
BARIUM	8.6		
CADMIUM	0.11		
CHROMIUM	2.2		
LEAD	6.8		
MERCURY	0.016	U	A
NICKEL	0.71		
SELENIUM	0.31	U	A
SILVER	0.048	U	

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: E5X8N **Client ID:** MPT-1602-SB01-05

Matrix: Soil **Units:** mg/kg **Prep Date:** 8/8/02 **Prep Batch:** 2219236

Weight: 0.60 **Volume:** 100 **Percent Moisture:** 11.133

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Mercury	253.7	0.012	0.038	0.018	B	1	CVAA	8/8/02	9:23

Comments: Lot #: C2H060115 Sample #: 2

Version 4.97.1

U Result is less than the IDL
B Result is between IDL and RL

Form 1 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: E5X8N **Client ID:** MPT-1602-SB01-05

Matrix: Soil **Units:** mg/kg **Prep Date:** 8/7/02 **Prep Batch:** 2219117

Weight: 1.00 **Volume:** 100 **Percent Moisture:** 11.133

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Arsenic	189.04	0.21	1.1	0.93	B	1	ICPST	8/8/02	19:54
Barium	493.41	0.021	22.5	4.7	B	1	ICPST	8/9/02	21:41
Cadmium	226.50	0.033	0.56	0.072	B	1	ICPST	8/8/02	19:54
Chromium	267.72	0.065	0.56	2.7		1	ICPST	8/8/02	19:54
Lead	220.35	0.16	0.34	0.61		1	ICPST	8/8/02	19:54
Selenium	220.35	0.27	0.56	0.48	B	1	ICPST	8/8/02	19:54
Silver	328.07	0.051	0.56	0.051	U	1	ICPST	8/8/02	19:54

Comments: Lot #: C2H060115 Sample #: 2

Version 4.97.1

U Result is less than the IDL
B Result is between IDL and RL

Form 1 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: E5X81 **Client ID:** MPT-1602-SB02-05

Matrix: Soil **Units:** mg/kg **Prep Date:** 8/8/02 **Prep Batch:** 2219236

Weight: 0.60 **Volume:** 100 **Percent Moisture:** 7.563

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Mercury	253.7	0.011	0.036	0.013	B	1	CVAA	8/8/02	9:29

Comments: Lot #: C2H060115 Sample #: 6

Version 4.97.1

U Result is less than the IDL

B Result is between IDL and RL

Form 1 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: E5X81 **Client ID:** MPT-1602-SB02-05

Matrix: Soil **Units:** mg/kg **Prep Date:** 8/7/02 **Prep Batch:** 2219117

Weight: 1.00 **Volume:** 100 **Percent Moisture:** 7.563

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Arsenic	**189.04**	**0.21**	**1.1**	**1.1**	**B**	**1**	**ICPST**	**8/8/02**	**20:16**
Barium	**493.41**	**0.021**	**21.6**	**5.7**	**B**	**1**	**ICPST**	**8/9/02**	**22:14**
Cadmium	**226.50**	**0.031**	**0.54**	**0.052**	**B**	**1**	**ICPST**	**8/8/02**	**20:16**
Chromium	**267.72**	**0.063**	**0.54**	**1.6**		**1**	**ICPST**	**8/8/02**	**20:16**
Lead	**220.35**	**0.15**	**0.33**	**1.3**		**1**	**ICPST**	**8/8/02**	**20:16**
Selenium	220.35	0.26	0.54	0.26	U	1	ICPST	8/8/02	20:16
Silver	328.07	0.049	0.54	0.049	U	1	ICPST	8/8/02	20:16

Comments: Lot #: C2H060115 Sample #: 6

Version 4.97.1

U Result is less than the IDL

B Result is between IDL and RL

Form 1 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: E5X89 **Client ID:** MPT-1602-SB03-05

Matrix: Soil **Units:** mg/kg **Prep Date:** 8/8/02 **Prep Batch:** 2219236

Weight: 0.60 **Volume:** 100 **Percent Moisture:** 12.5

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Mercury	253.7	0.012	0.038	0.012	U	1	CVAA	8/8/02	9:35

Comments: Lot #: C2H060115 Sample #: 8

Version 4.97.1

U Result is less than the IDL
B Result is between IDL and RL

Form I Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: E5X89 **Client ID:** MPT-1602-SB03-05

Matrix: Soil **Units:** mg/kg **Prep Date:** 8/7/02 **Prep Batch:** 2219117

Weight: 1.00 **Volume:** 100 **Percent Moisture:** 12.5

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Arsenic	189.04	0.22	1.1	0.69	B	1	ICPST	8/9/02	22:24
Barium	493.41	0.022	22.9	3.6	B	1	ICPST	8/9/02	22:24
Cadmium	226.50	0.033	0.57	0.042	B	1	ICPST	8/9/02	22:24
Chromium	267.72	0.066	0.57	1.5		1	ICPST	8/9/02	22:24
Lead	220.35	0.16	0.34	0.44		1	ICPST	8/9/02	22:24
Selenium	220.35	0.27	0.57	0.27	U	1	ICPST	8/9/02	22:24
Silver	328.07	0.051	0.57	0.051	U	1	ICPST	8/9/02	22:24

Comments: Lot #: C2H060115 Sample #: 8

Version 4.97.1

U Result is less than the IDL

B Result is between IDL and RL

Form 1 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: E5X8R **Client ID:** MPT-1602-SB04-05

Matrix: Soil **Units:** mg/kg **Prep Date:** 8/8/02 **Prep Batch:** 2219236

Weight: 0.60 **Volume:** 100 **Percent Moisture:** 7.287

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Mercury	253.7	0.011	0.036	0.011	U	1	CVAA	8/8/02	9:26

Comments: Lot #: C2H060115 Sample #: 4

Version 4.97.1

U Result is less than the IDL

B Result is between IDL and RL

Form 1 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: E5X8R **Client ID:** MPT-1602-SB04-05

Matrix: Soil **Units:** mg/kg **Prep Date:** 8/7/02 **Prep Batch:** 2219117

Weight: 1.00 **Volume:** 100 **Percent Moisture:** 7.287

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Arsenic	189.04	0.21	1.1	0.97	B	1	ICPST	8/8/02	20:05
Barium	493.41	0.021	21.6	5.7	B	1	ICPST	8/9/02	22:03
Cadmium	226.50	0.031	0.54	0.053	B	1	ICPST	8/8/02	20:05
Chromium	267.72	0.063	0.54	1.6		1	ICPST	8/8/02	20:05
Lead	220.35	0.15	0.32	1.7		1	ICPST	8/8/02	20:05
Selenium	220.35	0.26	0.54	0.26	U	1	ICPST	8/8/02	20:05
Silver	328.07	0.049	0.54	0.049	U	1	ICPST	8/8/02	20:05

Comments: Lot #: C2H060115 Sample #: 4

Version 4.97.1

U Result is less than the IDL

B Result is between IDL and RL

Form 1 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: E5X9E **Client ID:** MPT-1602-SBDUP01-05

Matrix: Soil **Units:** mg/kg **Prep Date:** 8/8/02 **Prep Batch:** 2219236

Weight: 0.60 **Volume:** 100 **Percent Moisture:** 10.929

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Mercury	253.7	0.012	0.037	0.013	B	1	CVAA	8/8/02	9:36

Comments: Lot #: C2H060115 Sample #: 9

Version 4.97.1

U Result is less than the IDL
B Result is between IDL and RL

Form 1 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: E5X9E **Client ID:** MPT-1602-SBDUP01-05

Matrix: Soil **Units:** mg/kg **Prep Date:** 8/7/02 **Prep Batch:** 2219117

Weight: 1.00 **Volume:** 100 **Percent Moisture:** 10.929

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Arsenic	189.04	0.21	1.1	0.88	B	1	ICPST	8/9/02	22:30
Barium	493.41	0.021	22.5	10.1	B	1	ICPST	8/9/02	22:30
Cadmium	226.50	0.033	0.56	0.055	B	1	ICPST	8/9/02	22:30
Chromium	267.72	0.065	0.56	1.1		1	ICPST	8/9/02	22:30
Lead	220.35	0.16	0.34	1.9		1	ICPST	8/9/02	22:30
Selenium	220.35	0.27	0.56	0.27	U	1	ICPST	8/9/02	22:30
Silver	328.07	0.051	0.56	0.051	U	1	ICPST	8/9/02	22:30

Comments: Lot #: C2H060115 Sample #: 9

Version 4.97.1

U Result is less than the IDL

B Result is between IDL and RL

Form 1 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: E5X8M **Client ID:** MPT-1602-SS01-01

Matrix: Soil **Units:** mg/kg **Prep Date:** 8/8/02 **Prep Batch:** 2219236

Weight: 0.60 **Volume:** 100 **Percent Moisture:** 4.962

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Mercury	253.7	0.011	0.035	0.031	B	1	CVAA	8/8/02	9:18

Comments: Lot #: C2H060115 Sample #: 1

Version 4.97.1

U Result is less than the IDL

B Result is between IDL and RL

Form 1 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: E5X8M **Client ID:** MPT-1602-SS01-01

Matrix: Soil **Units:** mg/kg **Prep Date:** 8/7/02 **Prep Batch:** 2219117

Weight: 1.00 **Volume:** 100 **Percent Moisture:** 4.962

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Arsenic	189.04	0.20	1.1	0.97	B	1	ICPST	8/8/02	19:33
Barium	493.41	0.020	21.0	12.5	B	1	ICPST	8/9/02	21:19
Cadmium	226.50	0.031	0.53	0.24	B	1	ICPST	8/8/02	19:33
Chromium	267.72	0.061	0.53	6.4		1	ICPST	8/8/02	19:33
Lead	220.35	0.15	0.32	9.1		1	ICPST	8/8/02	19:33
Selenium	220.35	0.25	0.53	0.25	U	1	ICPST	8/8/02	19:33
Silver	328.07	0.047	0.53	0.047	U	1	ICPST	8/8/02	19:33

Comments: Lot #: C2H060115 Sample #: 1

Version 4.97.1

U Result is less than the IDL
B Result is between IDL and RL

Form 1 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: E5X8V **Client ID:** MPT-1602-SS02-01

Matrix: Soil **Units:** mg/kg **Prep Date:** 8/8/02 **Prep Batch:** 2219236

Weight: 0.60 **Volume:** 100 **Percent Moisture:** 5.952

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Mercury	253.7	0.011	0.035	0.025	B	1	CVAA	8/8/02	9:27

Comments: Lot #: C2H060115 Sample #: 5

Version 4.97.1

U Result is less than the IDL
B Result is between IDL and RL

Form 1 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: E5X8V **Client ID:** MPT-1602-SS02-01

Matrix: Soil **Units:** mg/kg **Prep Date:** 8/7/02 **Prep Batch:** 2219117

Weight: 1.00 **Volume:** 100 **Percent Moisture:** 5.952

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Arsenic	189.04	0.20	1.1	1.3		1	ICPST	8/8/02	20:11
Barium	493.41	0.020	21.3	17.6	B	1	ICPST	8/9/02	22:08
Cadmium	226.50	0.031	0.53	0.22	B	1	ICPST	8/8/02	20:11
Chromium	267.72	0.062	0.53	3.4		1	ICPST	8/8/02	20:11
Lead	220.35	0.15	0.32	8.0		1	ICPST	8/8/02	20:11
Selenium	220.35	0.26	0.53	0.26	U	1	ICPST	8/8/02	20:11
Silver	328.07	0.048	0.53	0.048	U	1	ICPST	8/8/02	20:11

Comments: Lot #: C2H060115 Sample #: 5

Version 4.97.1

U Result is less than the IDL

B Result is between IDL and RL

Form 1 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: E5X83 **Client ID:** MPT-1602-SS03-01

Matrix: Soil **Units:** mg/kg **Prep Date:** 8/8/02 **Prep Batch:** 2219236

Weight: 0.60 **Volume:** 100 **Percent Moisture:** 5.754

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Mercury	253.7	0.011	0.035	0.011	U	1	CVAA	8/8/02	9:33

Comments: Lot #: C2H060115 Sample #: 7

Version 4.97.1

U Result is less than the IDL
B Result is between IDL and RL

Form 1 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: E5X83 **Client ID:** MPT-1602-SS03-01

Matrix: Soil **Units:** mg/kg **Prep Date:** 8/7/02 **Prep Batch:** 2219117

Weight: 1.00 **Volume:** 100 **Percent Moisture:** 5.754

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Arsenic	**189.04**	**0.20**	**1.1**	**0.83**	**B**	**1**	**ICPST**	**8/8/02**	**20:22**
Barium	**493.41**	**0.020**	**21.2**	**6.0**	**B**	**1**	**ICPST**	**8/9/02**	**22:19**
Cadmium	**226.50**	**0.031**	**0.53**	**0.042**	**B**	**1**	**ICPST**	**8/8/02**	**20:22**
Chromium	**267.72**	**0.062**	**0.53**	**2.6**		**1**	**ICPST**	**8/8/02**	**20:22**
Lead	**220.35**	**0.15**	**0.32**	**1.7**		**1**	**ICPST**	**8/8/02**	**20:22**
Selenium	220.35	0.26	0.53	0.26	U	1	ICPST	8/8/02	20:22
Silver	328.07	0.048	0.53	0.048	U	1	ICPST	8/8/02	20:22

Comments: Lot #: C2H060115 Sample #: 7

Version 4.97.1

U Result is less than the IDL

B Result is between IDL and RL

Form 1 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: E5X8P **Client ID:** MPT-1602-SS04-01

Matrix: Soil **Units:** mg/kg **Prep Date:** 8/8/02 **Prep Batch:** 2219236

Weight: 0.60 **Volume:** 100 **Percent Moisture:** 5.631

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Mercury	253.7	0.011	0.035	0.016	B	1	CVAA	8/8/02	9:24

Comments: Lot #: C2H060115 Sample #: 3

Version 4.97.1

U Result is less than the IDL

B Result is between IDL and RL

Form 1 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: E5X8P **Client ID:** MPT-1602-SS04-01

Matrix: Soil **Units:** mg/kg **Prep Date:** 8/7/02 **Prep Batch:** 2219117

Weight: 1.00 **Volume:** 100 **Percent Moisture:** 5.631

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Arsenic	189.04	0.20	1.1	0.75	B	1	ICPST	8/8/02	20:00
Barium	493.41	0.020	21.2	8.6	B	1	ICPST	8/9/02	21:57
Cadmium	226.50	0.031	0.53	0.11	B	1	ICPST	8/8/02	20:00
Chromium	267.72	0.062	0.53	2.2		1	ICPST	8/8/02	20:00
Lead	220.35	0.15	0.32	6.8		1	ICPST	8/8/02	20:00
Selenium	220.35	0.25	0.53	0.31	B	1	ICPST	8/8/02	20:00
Silver	328.07	0.048	0.53	0.048	U	1	ICPST	8/8/02	20:00

Comments: Lot #: C2H060115 Sample #: 3

Version 4.97.1

U Result is less than the IDL

B Result is between IDL and RL

Form 1 Equivalent

NAVSTA Mayport, Florida

Percent Solids

Lab Name:	STL PITTSBURGH	**Method:**	MCAWW 160.3 MOD
Client Name:	TETRA TECH NUS INC	**Lot Number:**	C2H060115
Matrix:	SOLID	**Date/Time Received:**	8/6/02 10:00:00AM

Client Sample ID	Sample Number	Workorder	Result	Units	Reporting Limit	Dilution Factor	Prep Date - Analysis Date/Time	QC Batch
MPT-1602-SS01-01	001	E5X8M1AA	95.0	%		1	8/8/02 1 - 8/9/02 07:30	2220184
MPT-1602-SB01-05	002	E5X8N1AA	88.9	%		1	8/8/02 1 - 8/9/02 07:30	2220184
MPT-1602-SS04-01	003	E5X8P1AA	94.4	%		1	8/8/02 1 - 8/9/02 07:30	2220184
MPT-1602-SB04-05	004	E5X8R1AA	92.7	%		1	8/8/02 1 - 8/9/02 07:30	2220184
MPT-1602-SS02-01	005	E5X8V1AA	94.0	%		1	8/8/02 1 - 8/9/02 07:30	2220184
MPT-1602-SB02-05	006	E5X811AA	92.4	%		1	8/8/02 1 - 8/9/02 07:30	2220184
MPT-1602-SS03-01	007	E5X831AA	94.2	%		1	8/8/02 1 - 8/9/02 07:30	2220184
MPT-1602-SB03-05	008	E5X891AA	87.5	%		1	8/8/02 1 - 8/9/02 07:30	2220184
MPT-1602-SBDUP01-05	009	E5X9E1AA	89.1	%		1	8/8/02 1 - 8/9/02 07:30	2220184

APPENDIX C

SUPPORT DOCUMENTATION

60115

HOLDING TIME
09/09/02

Units	Nsample	Lab Id	Qc Type	Sdg	Sort	Samp Date	Extr Date	Anal Date	SAMP_DATE TO EXTR_DATE	EXTR_DATE TO ANAL_DATE	SAMP_DATE TO ANAL_DATE
%	MPT-1602-SB01-05	C2H060115002	NORMAL	60115		08/05/02	08/08/02	08/09/02	3	1	4
%	MPT-1602-SB02-05	C2H060115006	NORMAL	60115		08/05/02	08/08/02	08/09/02	3	1	4
%	MPT-1602-SB03-05	C2H060115008	NORMAL	60115		08/05/02	08/08/02	08/09/02	3	1	4
%	MPT-1602-SB04-05	C2H060115004	NORMAL	60115		08/05/02	08/08/02	08/09/02	3	1	4
%	MPT-1602-SBDUP01-05	C2H060115009	NORMAL	60115		08/05/02	08/08/02	08/09/02	3	1	4
%	MPT-1602-SS01-01	C2H060115001	NORMAL	60115		08/05/02	08/08/02	08/09/02	3	1	4
%	MPT-1602-SS01-01 DUP	C2H060115001X	DUPLICATE	60115		08/05/02	08/08/02	08/09/02	3	1	4
%	MPT-1602-SS02-01	C2H060115005	NORMAL	60115		08/05/02	08/08/02	08/09/02	3	1	4
%	MPT-1602-SS03-01	C2H060115007	NORMAL	60115		08/05/02	08/08/02	08/09/02	3	1	4
%	MPT-1602-SS04-01	C2H060115003	NORMAL	60115		08/05/02	08/08/02	08/09/02	3	1	4
%	CHECK SAMPLE	C2H070000489C	LCS	60115	HERB	08/05/02	08/07/02	08/20/02	2	13	15
UG/KG	INTRA-LAB BLANK	C2H070000489B	M_BLANK	60115	HERB	08/07/02	08/07/02	08/20/02	0	13	13
UG/KG	MPT-1602-SB01-05	C2H060115002	NORMAL	60115	HERB	08/05/02	08/07/02	08/20/02	2	13	15
UG/KG	MPT-1602-SB02-05	C2H060115006	NORMAL	60115	HERB	08/05/02	08/07/02	08/20/02	2	13	15
UG/KG	MPT-1602-SB03-05	C2H060115008	NORMAL	60115	HERB	08/05/02	08/07/02	08/20/02	2	13	15
UG/KG	MPT-1602-SB04-05	C2H060115004	NORMAL	60115	HERB	08/05/02	08/07/02	08/20/02	2	13	15
UG/KG	MPT-1602-SBDUP01-05	C2H060115009	NORMAL	60115	HERB	08/05/02	08/07/02	08/20/02	2	13	15
UG/KG	MPT-1602-SS01-01	C2H060115001	NORMAL	60115	HERB	08/05/02	08/07/02	08/20/02	2	13	15
UG/KG	MPT-1602-SS02-01	C2H060115005	NORMAL	60115	HERB	08/05/02	08/07/02	08/20/02	2	13	15
UG/KG	MPT-1602-SS03-01	C2H060115007	NORMAL	60115	HERB	08/05/02	08/07/02	08/20/02	2	13	15
UG/KG	MPT-1602-SS04-01	C2H060115003	NORMAL	60115	HERB	08/05/02	08/07/02	08/20/02	2	13	15
%	MPT-1602-SS04-01MS	C2H060115003S	MS	60115	HERB	08/05/02	08/07/02	08/20/02	2	13	15
%	MPT-1602-SS04-01MSD	C2H060115003D	MSD	60115	HERB	08/05/02	08/07/02	08/20/02	2	13	15
%	CHECK SAMPLE	C2H070000236C	LCS	60115	HG	08/05/02	08/08/02	08/08/02	3	0	3

Units	Nsample	Lab Id	Qc Type	Sdg	Sort	Samp Date	Extr Date	Anal Date	SAMP_DATE TO EXTR_DATE	EXTR_DATE TO ANAL_DATE	SAMP_DATE TO ANAL_DATE
MG/KG	INTRA-LAB BLANK	C2H070000236B	M_BLANK	60115	HG	08/05/02	08/08/02	08/08/02	3	0	3
MG/KG	MPT-1602-SB01-05	C2H060115002	NORMAL	60115	HG	08/05/02	08/08/02	08/08/02	3	0	3
MG/KG	MPT-1602-SB02-05	C2H060115006	NORMAL	60115	HG	08/05/02	08/08/02	08/08/02	3	0	3
MG/KG	MPT-1602-SB03-05	C2H060115008	NORMAL	60115	HG	08/05/02	08/08/02	08/08/02	3	0	3
MG/KG	MPT-1602-SB04-05	C2H060115004	NORMAL	60115	HG	08/05/02	08/08/02	08/08/02	3	0	3
MG/KG	MPT-1602-SBDUP01-05	C2H060115009	NORMAL	60115	HG	08/05/02	08/08/02	08/08/02	3	0	3
MG/KG	MPT-1602-SS01-01	C2H060115001	NORMAL	60115	HG	08/05/02	08/08/02	08/08/02	3	0	3
%	MPT-1602-SS01-01MS	C2H060115001S	MS	60115	HG	08/05/02	08/08/02	08/08/02	3	0	3
%	MPT-1602-SS01-01MSD	C2H060115001D	MSD	60115	HG	08/05/02	08/08/02	08/08/02	3	0	3
MG/KG	MPT-1602-SS02-01	C2H060115005	NORMAL	60115	HG	08/05/02	08/08/02	08/08/02	3	0	3
MG/KG	MPT-1602-SS03-01	C2H060115007	NORMAL	60115	HG	08/05/02	08/08/02	08/08/02	3	0	3
MG/KG	MPT-1602-SS04-01	C2H060115003	NORMAL	60115	HG	08/05/02	08/08/02	08/08/02	3	0	3
%	CHECK SAMPLE	C2H070000117C	LCS	60115	M	08/05/02	08/07/02	08/08/02	2	1	3
MG/KG	INTRA-LAB BLANK	C2H070000117B	M_BLANK	60115	M	08/05/02	08/07/02	08/08/02	2	1	3
MG/KG	MPT-1602-SB01-05	C2H060115002	NORMAL	60115	M	08/05/02	08/07/02	08/08/02	2	1	3
MG/KG	MPT-1602-SB02-05	C2H060115006	NORMAL	60115	M	08/05/02	08/07/02	08/08/02	2	1	3
MG/KG	MPT-1602-SB03-05	C2H060115008	NORMAL	60115	M	08/05/02	08/07/02	08/09/02	2	2	4
MG/KG	MPT-1602-SB04-05	C2H060115004	NORMAL	60115	M	08/05/02	08/07/02	08/08/02	2	1	3
MG/KG	MPT-1602-SBDUP01-05	C2H060115009	NORMAL	60115	M	08/05/02	08/07/02	08/09/02	2	2	4
MG/KG	MPT-1602-SS01-01	C2H060115001	NORMAL	60115	M	08/05/02	08/07/02	08/08/02	2	1	3
%	MPT-1602-SS01-01MS	C2H060115001S	MS	60115	M	08/05/02	08/07/02	08/08/02	2	1	3
%	MPT-1602-SS01-01MSD	C2H060115001D	MSD	60115	M	08/05/02	08/07/02	08/08/02	2	1	3
MG/KG	MPT-1602-SS02-01	C2H060115005	NORMAL	60115	M	08/05/02	08/07/02	08/08/02	2	1	3
MG/KG	MPT-1602-SS03-01	C2H060115007	NORMAL	60115	M	08/05/02	08/07/02	08/08/02	2	1	3
MG/KG	MPT-1602-SS04-01	C2H060115003	NORMAL	60115	M	08/05/02	08/07/02	08/08/02	2	1	3
%	CHECK SAMPLE	C2H070000222C	LCS	60115	OS	08/05/02	08/07/02	08/08/02	2	1	3
UG/KG	INTRA-LAB BLANK	C2H070000222B	M_BLANK	60115	OS	08/05/02	08/07/02	08/08/02	2	1	3

Units	Nsample	Lab Id	Qc Type	Sdg	Sort	Samp Date	Extr Date	Anal Date	SAMP_DATE TO EXTR_DATE	EXTR_DATE TO ANAL_DATE	SAMP_DATE TO ANAL_DATE
UG/KG	MPT-1602-SB01-05	C2H060115002	NORMAL	60115	OS	08/05/02	08/07/02	08/08/02	2	1	3
UG/KG	MPT-1602-SB02-05	C2H060115006	NORMAL	60115	OS	08/05/02	08/07/02	08/08/02	2	1	3
UG/KG	MPT-1602-SB03-05	C2H060115008	NORMAL	60115	OS	08/05/02	08/07/02	08/08/02	2	1	3
UG/KG	MPT-1602-SB04-05	C2H060115004	NORMAL	60115	OS	08/05/02	08/07/02	08/08/02	2	1	3
UG/KG	MPT-1602-SBDUP01-05	C2H060115009	NORMAL	60115	OS	08/05/02	08/07/02	08/08/02	2	1	3
UG/KG	MPT-1602-SS01-01	C2H060115001	NORMAL	60115	OS	08/05/02	08/07/02	08/08/02	2	1	3
%	MPT-1602-SS01-01MS	C2H060115001S	MS	60115	OS	08/05/02	08/07/02	08/08/02	2	1	3
%	MPT-1602-SS01-01MSD	C2H060115001D	MSD	60115	OS	08/05/02	08/07/02	08/08/02	2	1	3
UG/KG	MPT-1602-SS02-01	C2H060115005	NORMAL	60115	OS	08/05/02	08/07/02	08/08/02	2	1	3
UG/KG	MPT-1602-SS03-01	C2H060115007	NORMAL	60115	OS	08/05/02	08/07/02	08/08/02	2	1	3
UG/KG	MPT-1602-SS04-01	C2H060115003	NORMAL	60115	OS	08/05/02	08/07/02	08/08/02	2	1	3
%	CHECK SAMPLE	C2H130000173C	LCS	60115	OV	08/05/02	08/13/02	08/13/02	8	0	8
UG/L	INTRA-LAB BLANK	C2H130000173B	M_BLANK	60115	OV	08/05/02	08/13/02	08/13/02	8	0	8
UG/KG	MPT-1602-SB01-05	C2H060115002	NORMAL	60115	OV	08/05/02	08/07/02	08/07/02	2	0	2
UG/KG	MPT-1602-SB02-05	C2H060115006	NORMAL	60115	OV	08/05/02	08/07/02	08/07/02	2	0	2
UG/KG	MPT-1602-SB03-05	C2H060115008	NORMAL	60115	OV	08/05/02	08/07/02	08/07/02	2	0	2
UG/KG	MPT-1602-SB04-05	C2H060115004	NORMAL	60115	OV	08/05/02	08/07/02	08/07/02	2	0	2
UG/KG	MPT-1602-SBDUP01-05	C2H060115009	NORMAL	60115	OV	08/05/02	08/07/02	08/07/02	2	0	2
UG/KG	MPT-1602-SS01-01	C2H060115001	NORMAL	60115	OV	08/05/02	08/07/02	08/07/02	2	0	2
UG/KG	MPT-1602-SS02-01	C2H060115005	NORMAL	60115	OV	08/05/02	08/07/02	08/07/02	2	0	2
UG/KG	MPT-1602-SS03-01	C2H060115007	NORMAL	60115	OV	08/05/02	08/07/02	08/07/02	2	0	2
UG/KG	MPT-1602-SS04-01	C2H060115003	NORMAL	60115	OV	08/05/02	08/07/02	08/07/02	2	0	2
UG/L	TRIP BLANK 080502	C2H060115010	NORMAL	60115	OV	08/05/02	08/13/02	08/13/02	8	0	8
%	CHECK SAMPLE	C2H070000477C	LCS	60115	PCB	08/05/02	08/07/02	08/14/02	2	7	9
%	INTRA-LAB BLANK	C2H070000477B	M_BLANK	60115	PCB	08/05/02	08/07/02	08/14/02	2	7	9
%	MPT-1602-SB01-05	C2H060115002	NORMAL	60115	PCB	08/05/02	08/07/02	08/14/02	2	7	9
%	MPT-1602-SB01-05MS	C2H060115002S	MS	60115	PCB	08/05/02	08/07/02	08/14/02	2	7	9

Units	Nsample	Lab Id	Qc Type	Sdg	Sort	Samp Date	Extr Date	Anal Date	SAMP_DATE TO EXTR_DATE	EXTR_DATE TO ANAL_DATE	SAMP_DATE TO ANAL_DATE
%	MPT-1602-SB01-05MSD	C2H060115002D	MSD	60115	PCB	08/05/02	08/07/02	08/14/02	2	7	9
%	MPT-1602-SB02-05	C2H060115006	NORMAL	60115	PCB	08/05/02	08/07/02	08/14/02	2	7	9
%	MPT-1602-SB03-05	C2H060115008	NORMAL	60115	PCB	08/05/02	08/07/02	08/14/02	2	7	9
%	MPT-1602-SB04-05	C2H060115004	NORMAL	60115	PCB	08/05/02	08/07/02	08/14/02	2	7	9
%	MPT-1602-SBDUP01-05	C2H060115009	NORMAL	60115	PCB	08/05/02	08/07/02	08/14/02	2	7	9
%	MPT-1602-SS01-01	C2H060115001	NORMAL	60115	PCB	08/05/02	08/07/02	08/14/02	2	7	9
%	MPT-1602-SS02-01	C2H060115005	NORMAL	60115	PCB	08/05/02	08/07/02	08/14/02	2	7	9
%	MPT-1602-SS03-01	C2H060115007	NORMAL	60115	PCB	08/05/02	08/07/02	08/14/02	2	7	9
%	MPT-1602-SS04-01	C2H060115003	NORMAL	60115	PCB	08/05/02	08/07/02	08/14/02	2	7	9
%	CHECK SAMPLE	C2H070000467C	LCS	60115	PEST	08/05/02	08/07/02	08/14/02	2	7	9
UG/KG	INTRA-LAB BLANK	C2H070000467B	M_BLANK	60115	PEST	08/07/02	08/07/02	08/14/02	0	7	7
UG/KG	MPT-1602-SB01-05	C2H060115002	NORMAL	60115	PEST	08/05/02	08/07/02	08/13/02	2	6	8
%	MPT-1602-SB01-05MS	C2H060115002S	MS	60115	PEST	08/05/02	08/07/02	08/13/02	2	6	8
%	MPT-1602-SB01-05MSD	C2H060115002D	MSD	60115	PEST	08/05/02	08/07/02	08/13/02	2	6	8
UG/KG	MPT-1602-SB02-05	C2H060115006	NORMAL	60115	PEST	08/05/02	08/07/02	08/13/02	2	6	8
UG/KG	MPT-1602-SB03-05	C2H060115008	NORMAL	60115	PEST	08/05/02	08/07/02	08/13/02	2	6	8
UG/KG	MPT-1602-SB04-05	C2H060115004	NORMAL	60115	PEST	08/05/02	08/07/02	08/13/02	2	6	8
UG/KG	MPT-1602-SBDUP01-05	C2H060115009	NORMAL	60115	PEST	08/05/02	08/07/02	08/13/02	2	6	8
UG/KG	MPT-1602-SS01-01	C2H060115001	NORMAL	60115	PEST	08/05/02	08/07/02	08/13/02	2	6	8
UG/KG	MPT-1602-SS02-01	C2H060115005	NORMAL	60115	PEST	08/05/02	08/07/02	08/13/02	2	6	8
UG/KG	MPT-1602-SS03-01	C2H060115007	NORMAL	60115	PEST	08/05/02	08/07/02	08/13/02	2	6	8
UG/KG	MPT-1602-SS04-01	C2H060115003	NORMAL	60115	PEST	08/05/02	08/07/02	08/13/02	2	6	8
%	CHECK SAMPLE	C2H230000407C	LCS	60115	TPH	08/05/02	08/23/02	08/26/02	18	3	21
MG/KG	INTRA-LAB BLANK	C2H230000407B	M_BLANK	60115	TPH	08/05/02	08/23/02	08/26/02	18	3	21
MG/KG	MPT-1602-SB01-05	C2H060115002	NORMAL	60115	TPH	08/05/02	08/23/02	08/26/02	18	3	21
MG/KG	MPT-1602-SB02-05	C2H060115006	NORMAL	60115	TPH	08/05/02	08/23/02	08/26/02	18	3	21
MG/KG	MPT-1602-SB03-05	C2H060115008	NORMAL	60115	TPH	08/05/02	08/23/02	08/26/02	18	3	21

Units	Nsample	Lab Id	Qc Type	Sdg	Sort	Samp Date	Extr Date	Anal Date	SAMP_DATE TO EXTR_DATE	EXTR_DATE TO ANAL_DATE	SAMP_DATE TO ANAL_DATE
MG/KG	MPT-1602-SB04-05	C2H060115004	NORMAL	60115	TPH	08/05/02	08/23/02	08/26/02	18	3	21
MG/KG	MPT-1602-SBDUP01-05	C2H060115009	NORMAL	60115	TPH	08/05/02	08/23/02	08/26/02	18	3	21
MG/KG	MPT-1602-SS01-01	C2H060115001	NORMAL	60115	TPH	08/05/02	08/23/02	08/26/02	18	3	21
MG/KG	MPT-1602-SS02-01	C2H060115005	NORMAL	60115	TPH	08/05/02	08/23/02	08/26/02	18	3	21
MG/KG	MPT-1602-SS03-01	C2H060115007	NORMAL	60115	TPH	08/05/02	08/23/02	08/26/02	18	3	21
MG/KG	MPT-1602-SS04-01	C2H060115003	NORMAL	60115	TPH	08/05/02	08/23/02	08/26/02	18	3	21

STL Pittsburgh

TETRA TECH NUS, INC. CHAIN OF CUSTODY | NUMBER 0201 | PAGE 1 OF 1

PROJECT NO:	FACILITY:	PROJECT MANAGER	PHONE NUMBER	LABORATORY NAME AND CONTACT:
CTO 267	Building 1602	Terry Hansen	850-385-9899	STL Pittsburgh (Veronica Bertot)
SAMPLERS (SIGNATURE)		FIELD OPERATIONS LEADER: Joe Ferranti	PHONE NUMBER: 904-281-0400	ADDRESS: 450 Williams Pitt Way
		CARRIER/WAYBILL NUMBER: Fedex		CITY, STATE: Pittsburgh, PA 15238

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

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

PRESERVATIVE USED: modified 8/01/02 – – – – – –

TYPE OF ANALYSIS

DATE YEAR 2002	TIME	SAMPLE ID	LOCATION ID	TOP DEPTH (FT)	BOTTOM DEPTH (FT)	MATRIX (GW, SO, SW, SD, QC, ETC.)	COLLECTION METHOD GRAP (G) COMP (C)	No. OF CONTAINERS	VOCs 8260	SVOCs 8270	RCRA metals (+) nickel 6010/7471	PCBs 8082	Total Recoverable Petroleum 418.1/9073	Chlorinated Herbicides 8151	Organochlorine Pesticides 8081		COMMENTS
08/05	1010	MPT-1602-SS01-01 ✓	SS01	0	1	SO	G	5	X	X	X	X	X	X	X		X Cool to 4°C
	1030	MPT-1602-SB01-05 ✓	SB01	4.5	5.5	SO	G	5	X	X	X	X	X	X	X		Analyze trip
	1110	MPT-1602-SS04-01 ✓	SS04	0	1	SO	G	5	X	X	X	X	X	X	X		blank for VOCs
	1120	MPT-1602-SB04-05 ✓	SB04	4.5	5.5	SO	G	5	X	X	X	X	X	X	X		only.
	1150	MPT-1602-SS02-01 ✓	SS02	0	1	SO	G	5	X	X	X	X	X	X	X		
	1205	MPT-1602-SB02-05 ✓	SB02	4.5	5.5	SO	G	5	X	X	X	X	X	X	X		
	1332	MPT-1602-SS03-01 ✓	SS03	0	1	SO	G	5	X	X	X	X	X	X	X		
	1350	MPT-1602-SB03-05 ✓	SB03	4.5	5.5	SO	G	5	X	X	X	X	X	X	X		
	0000	MPT-1602-SBDup01-05 ✓	—	—	—	SO	G	5	X	X	X	X	X	X	X		
✓	—	Trip Blank 080502	—	—	—	—	—	1	X	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~			

	DATE	TIME		DATE	TIME
1. RELINQUISHED BY	8/5/02	1415	1. RECEIVED BY: Amber X. Hall	8-6-02	1000
2. RELINQUISHED BY			2. RECEIVED BY		
3. RELINQUISHED BY			3. RECEIVED BY		

COMMENTS

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

4/02R
FORM NO. TINUS-001

Cooler Receipt Form
STL Pittsburgh

Client: Tetra Tech Project: _____ Quote: 48773

Cooler Rec'd & Opened for Temp. Check on: 8-6-02

Coolers Opened and Unpacked on: 8-6-02 By: [signature] (Signature)

STL Pittsburgh Lot Number: C2H060115

		Yes	No
1.	Were custody seals on the outside of the cooler?	✓	
	If YES, how many and where? Quantity 1 Location Front		
	Were signatures and date correct?	✓	
2.	Were custody papers included inside the cooler?	✓	
3.	Were custody papers properly filled out (ink, signed, match labels)?	✓	
4.	Did you sign the custody papers in the appropriate place?	✓	
5.	Was shippers packing slip attached to this form?	✓	
6.	Were packing materials used?	✓	
	If YES, what type? ice, bubble wrap		
7.	Were the samples chilled? (Record temperatures on reverse side.)	✓	
8.	Were the samples appropriately preserved?	✓	
9.	Were all bottles sealed in separate plastic bags?	✓	
10.	Did all bottles arrive in good condition (unbroken)?	✓	
11.	Were all bottle labels complete (sample ID, preservatives, etc.)?	✓	
12.	Did all bottle labels and/or tags agree with custody papers? see variance	✓	
13.	Were correct bottles used for tests indicated?	✓	
14.	Were all VOA vials checked for the presence of air bubbles?	✓	
15.	Was a sufficient amount of sample sent in each bottle?	✓	

16. Samples received by: (FEDEX) UPS CLIENT DROP-OFF OTHER AIRBORNE

Explain any discrepancies: _____

Level 2 Review _____

Was contacted on _____ by _____ to resolve discrepancies.

Cooler Receipt Form

STL Pittsburgh

P: Preserved

UP: Unpreserved

Sample ID	TMET PH<2	DMET PH<2	HG PH<2	NUT(1) PH<2	CN PH ≥12	OG TPHC PH<2	PHEN PH<2	SULF PH ≥12	TOC PH<2	TOX PH<2	VOA PH<2	hrdnss PH<2			
MPT-1402-SS01-01											P				
SB01-05															
SS04-01															
SS04-05															
SS02-01															
SS02-05															
SS03-01															
SS03-05															
SB01-01															
Trip Blank 080502															

(1) "NUT" could include sample bottles for ammonia, chemical oxygen demand, nitrate/nitrite, TKN, or total phosphorus

Comments: _____

Cooler Number	Temperature
1	2.3

Bottle Type	Lot Number*

* Please use an asterisk if bottle lot number was covered by the label.

CASE NARRATIVE

NAVSTA Mayport, FL

CTO #267

STL Lot#: C2H060115

The following report contains the analytical results for samples submitted to STL Pittsburgh by Tetra Tech from the NAVSTA Mayport site in Mayport, FL. The samples were received August 6, 2002, according to documented sample acceptance procedures.

STL-Pittsburgh utilizes only USEPA approved methods and instrumentation in all analytical work. The samples presented in this report were analyzed for the parameters listed on the method reference page in accordance with the methods indicated.

SAMPLE RECEIVING:
The lot closed on August 6, 2002.

Sample TRIP BLANK 080502 listed on the chain of custody was labeled TRIP BLANK on the sample bottle. The sample was logged in off of the chain of custody.

GC/MS Volatiles:
There were no problems associated with the analysis.

GC/MS Semivolatiles:
There were no problems associated with the analysis.

Pesticides:
For the continuing calibration standards analyzed on the RTX-1701 column on August 14, 2002 at 01:50 and 02:18 delta-BHC had a % D of 15.4. This was outside of the +/- 15%D criteria. The average % D of all of the compounds in the continuing calibration standards was 6.9. Delta-BHC was not detected in any of the samples. All data was reported.

For the continuing calibration standards analyzed on the RTX-1701 column on August 13, 2002 at 15:44 and 16:12 delta-BHC had a % D of 17.4. This was outside of the +/- 15%D criteria. The average % D of all of the compounds in the continuing calibration standards was 8.8. Delta-BHC was not detected in any of the samples. All data was reported.

Pesticides (cont):
For the continuing calibration standards analyzed on the RTX-50 column on August 13, 2002 at 15:44 and 16:12 delta-BHC had a % D of 15.6 and methoxychlor had a % D of 19.5. These were outside of the +/-15%D criteria. The average % D of all of the compounds in the continuing calibration standards was 7.2. These compounds were detected in any of the samples. All data was reported.

For the continuing calibration standards analyzed on the RTX-50 column on August 14, 2002 at 01:50 and 02:18 methoxychlor had a % D of 17.5. This was outside of the +/-15%D criteria. The average % D of all of the compounds in the continuing calibration standards was 5.5. Methoxychlor was not detected in any of the samples. All data was reported.

PCBs:
There were no problems associated with the analysis.

Herbicides:
The relative percent difference between the matrix spike and the matrix spike duplicate was outside of the control limits for 2,4-D and 2,4,5-T.

Metals:
There were no problems associated with the analysis.

General Chemistry:
There were no problems associated with the analyses.

METHODS SUMMARY

C2H060115

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Chlorinated Herbicides by GC	SW846 8151A	SW846 8151A
Mercury in Solid Waste (Manual Cold-Vapor)	SW846 7471A	SW846 7471A
Organochlorine Pesticides	SW846 8081A	SW846 3550
PCBs by SW-846 8082	SW846 8082	SW846 3550
Semivolatile Organic Compounds by GC/MS	SW846 8270C	SW846 3550B
Total Recoverable Petroleum Hydrocarbons	MCAWW 418.1	SW846 3550
Total Residue as Percent Solids	MCAWW 160.3 MOD	MCAWW 160.3 MOD
Trace Inductively Coupled Plasma (ICP) Metals	SW846 6010B	SW846 3050B
Volatile Organics by GC/MS	SW846 8260B	SW846 5030B/826
Volatile Organics by GC/MS	SW846 8260B	SW846 5035

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

C2H060115

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
E5X8M	001	MPT-1602-SS01-01	08/05/02	10:10
E5X8N	002	MPT-1602-SB01-05	08/05/02	10:30
E5X8P	003	MPT-1602-SS04-01	08/05/02	11:10
E5X8R	004	MPT-1602-SB04-05	08/05/02	11:20
E5X8V	005	MPT-1602-SS02-01	08/05/02	11:50
E5X81	006	MPT-1602-SB02-05	08/05/02	12:05
E5X83	007	MPT-1602-SS03-01	08/05/02	13:32
E5X89	008	MPT-1602-SB03-05	08/05/02	13:50
E5X9E	009	MPT-1602-SBDUP01-05	08/05/02	
E50A7	010	TRIP BLANK 080502	08/05/02	

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

STL-Pittsburgh

Cover Page - Inorganic Analysis Data Package

Client ID	Lab Sample ID:
MPT-1602-SB01-05	E5X8N
MPT-1602-SB02-05	E5X81
MPT-1602-SB03-05	E5X89
MPT-1602-SB04-05	E5X8R
MPT-1602-SBDUP01-05	E5X9E
MPT-1602-SS01-01	E5X8M
MPT-1602-SS01-01S	E5X8MS
MPT-1602-SS01-01SD	E5X8MD
MPT-1602-SS02-01	E5X8V
MPT-1602-SS03-01	E5X83
MPT-1602-SS04-01	E5X8P

Comments: TETRA TECH NUS
C2H060115
METALS ANALYSIS
6010B, 7471A

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than conditions detailed above. Release of the data combined in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: _____ Name: _____

Date: _____ Title: _____

Version 4.97.1

REVIEWED BY: MBM
DATE: 8-12-02

Cover Page Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Preparation Blank Results

Lab Sample ID: E5198B

Matrix: Soil **Units:** mg/kg **Prep Date:** 8/8/02 **Prep Batch:** 2219236

Weight: 0.60 **Volume:** 100 **Percent Moisture:** NA

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Mercury	253.7	0.011	0.033	0.011	U	1	CVAA	8/8/02	9:15

Comments: Lot #: C2H060115

Version 4.97.1

U Result is less than the IDL
B Result is between IDL and RL

Form 3 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Preparation Blank Results

Lab Sample ID: E51W6B

Matrix: Soil **Units:** mg/kg **Prep Date:** 8/7/02 **Prep Batch:** 2219117

Weight: 1.00 **Volume:** 100 **Percent Moisture:** NA

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Arsenic	189.042	0.19	1.0	0.19	U	1	ICPST	8/8/02	19:11
Barium	**493.409**	**0.019**	**20.0**	**0.11**	**B**	**1**	**ICPST**	**8/8/02**	**19:11**
Cadmium	226.502	0.029	0.50	0.029	U	1	ICPST	8/8/02	19:11
Chromium	**267.716**	**0.058**	**0.50**	**0.077**	**B**	**1**	**ICPST**	**8/8/02**	**19:11**
Lead	220.353	0.14	0.30	0.14	U	1	ICPST	8/8/02	19:11
Selenium	**220.353**	**0.24**	**0.50**	**0.26**	**B**	**1**	**ICPST**	**8/8/02**	**19:11**
Silver	328.068	0.045	0.50	0.045	U	1	ICPST	8/8/02	19:11

Comments: Lot #: C2H060115

Version 4.97.1

U Result is less than the IDL

B Result is between IDL and RL

Form 3 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Initial Calibration Blank Results

Instrument: CVAA **Units:** ug/L

Chart Number: 0808HGA.PRN

Standard Source: _____ **Standard ID:** _____

Element	WL/ Mass	Report Limit	ICB1 8/8/02 9:10 AM									
			Found	Q	Found	Q	Found	Q	Found	Q	Found	Q
Mercury	253.7	0.2	0.1	U								

Version 4.97.1

U Result is less than the IDL
B Result is between IDL and RL

Form 3 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Initial Calibration Blank Results

Instrument: ICPST **Units:** ug/L

Chart Number: T20808C.ARC

Standard Source: _____ **Standard ID:** _____

Element	WL/ Mass	Report Limit	ICB1 8/8/02 1:49 PM Found	Q	Found	Q	Found	Q	Found	Q	Found	Q
Arsenic	189.042	10	1.9	U								
Barium	493.409	200	0.4	B								
Cadmium	226.502	5	0.3	U								
Chromium	267.716	5	0.6	U								
Lead	220.353	3	1.4	U								
Selenium	220.353	5	2.4	U								
Silver	328.068	5	0.5	U								

Version 4.97.1

U Result is less than the IDL
B Result is between IDL and RL

Form 3 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Initial Calibration Blank Results

Instrument: ICPST **Units:** ug/L

Chart Number: T20809A.ARC

Standard Source: _____ **Standard ID:** _____

Element	WL/ Mass	Report Limit	ICB1 8/9/02 12:40 PM Found	Q	Found	Q	Found	Q	Found	Q	Found	Q
Arsenic	189.042	10	1.9	U								
Barium	493.409	200	0.6	B								
Cadmium	226.502	5	0.3	U								
Chromium	267.716	5	0.6	B								
Lead	220.353	3	1.4	U								
Selenium	220.353	5	2.4	U								
Silver	328.068	5	0.5	U								

Version 4.97.1

U Result is less than the IDL
B Result is between IDL and RL

Form 3 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Continuing Calibration Blank Results

Instrument: CVAA **Units:** ug/L

Chart Number: 0808HGA.PRN

Standard Source: _____ **Standard ID:** _____

Element	WL/ Mass	Report Limit	CCB1 8/8/02 9:13 AM		CCB2 8/8/02 9:32 AM		CCB3 8/8/02 9:52 AM					
			Found	Q	Found	Q	Found	Q	Found	Q	Found	Q
Mercury	253.7	0.2	-0.1	B	0.1	B	-0.1	B				

Version 4.97.1

U Result is less than the IDL
B Result is between IDL and RL

Form 3 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Continuing Calibration Blank Results

Instrument: ICPST **Units:** ug/L

Chart Number: T20808C.ARC

Standard Source: _____ **Standard ID:** _____

Element	WL/ Mass	Report Limit	CCB1 8/8/02 3:06 PM		CCB2 8/8/02 4:11 PM		CCB3 8/8/02 5:16 PM		CCB4 8/8/02 6:22 PM		CCB5 8/8/02 7:27 PM	
			Found	Q	Found	Q	Found	Q	Found	Q	Found	Q
Arsenic	189.042	10	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Barium	493.409	200	0.2	U	0.3	B	0.2	U	0.2	U	0.3	B
Cadmium	226.502	5	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
Chromium	267.716	5	0.6	U	0.6	U	0.6	U	0.6	U	0.6	U
Lead	220.353	3	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U
Selenium	220.353	5	2.4	U	2.4	U	2.4	U	2.4	U	2.4	U
Silver	328.068	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U

Version 4.97.1

U Result is less than the IDL
B Result is between IDL and RL

Form 3 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Continuing Calibration Blank Results

Instrument: ICPST **Units:** ug/L

Chart Number: T20808C.ARC

Standard Source: _____ **Standard ID:** _____

Element	WL/ Mass	Report Limit	CCB6 8/8/02 8:33 PM Found	Q	Found	Q	Found	Q	Found	Q	Found	Q
Arsenic	189.042	10	1.9	U								
Cadmium	226.502	5	0.3	U								
Chromium	267.716	5	0.6	U								
Lead	220.353	3	1.4	U								
Selenium	220.353	5	2.4	U								
Silver	328.068	5	0.5	U								

Version 4.97.1

U Result is less than the IDL
B Result is between IDL and RL

Form 3 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Continuing Calibration Blank Results

Instrument: ICPST **Units:** ug/L

Chart Number: T20809A.ARC

Standard Source: _____ **Standard ID:** _____

Element	WL/ Mass	Report Limit	CCB1 8/9/02 1:47 PM		CCB2 8/9/02 2:53 PM		CCB3 8/9/02 3:58 PM		CCB4 8/9/02 5:22 PM		CCB5 8/9/02 6:35 PM	
			Found	Q	Found	Q	Found	Q	Found	Q	Found	Q
Arsenic	189.042	10	2.1	B	1.9	U	1.9	U	1.9	U	1.9	U
Barium	493.409	200	0.5	B	0.4	B	0.3	B	0.4	B	0.2	U
Cadmium	226.502	5	0.3	U	0.3	U	0.3	U	0.3	U	0.3	U
Chromium	267.716	5	0.6	U	0.6	U	0.6	U	0.6	U	0.6	U
Lead	220.353	3	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U
Selenium	220.353	5	2.4	U	2.4	U	2.4	U	2.4	U	2.4	U
Silver	328.068	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U

Version 4.97.1

U Result is less than the IDL
B Result is between IDL and RL

Form 3 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Continuing Calibration Blank Results

Instrument: ICPST **Units:** ug/L

Chart Number: T20809A.ARC

Standard Source: _____ **Standard ID:** _____

Element	WL/ Mass	Report Limit	CCB6 8/9/02 7:41 PM		CCB7 8/9/02 8:46 PM		CCB8 8/9/02 9:52 PM		CCB9 8/9/02 10:57 PM			
			Found	Q	Found	Q	Found	Q	Found	Q	Found	Q
Arsenic	189.042	10	1.9	U	1.9	U	1.9	U	1.9	U		
Barium	493.409	200	0.2	U	0.2	U	0.2	U	0.3	B		
Cadmium	226.502	5	0.3	U	0.3	U	0.3	U	0.3	U		
Chromium	267.716	5	0.6	U	0.6	U	0.6	U	0.6	U		
Lead	220.353	3	1.4	U	1.4	U	1.4	U	1.9	B		
Selenium	220.353	5	3.3	B	2.4	U	3.4	B	2.4	U		
Silver	328.068	5	0.5	U	0.5	U	0.5	U	0.5	U		

Version 4.97.1

U Result is less than the IDL
B Result is between IDL and RL

Form 3 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Instrument Detection Limits

Instrument: CVAA **Units:** ppb

Element	Wavelength	Reporting Limit	IDL	Date of IDL
Mercury	253.700	0.2	0.063	7/2/02

Version 4.97.1

Form 10 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Instrument Detection Limits

Instrument: ICPST **Units:** ppb

Element	Wavelength	Reporting Limit	IDL	Date of IDL
Arsenic	189.042	10.0	1.9	6/7/02
Barium	493.409	200.0	0.19	6/7/02
Cadmium	226.502	5.0	0.29	6/7/02
Chromium	267.716	5.0	0.58	6/7/02
Lead	220.353	3.0	1.4	6/7/02
Selenium	220.353	5.0	2.4	6/7/02
Silver	328.068	5.0	0.45	6/7/02

STL-Pittsburgh

Metals Data Reporting Form

Preparation Log

Preparation Batch: 2219117 **Instrument:** ICP **Matrix:** Soil

Sample ID	Prep Date	Weight (g)	Volume (ml)	% Moisture
E51W6B	8/7/02	1.00	100	NA
E51W6C	8/7/02	1.00	100	NA
E5X81	8/7/02	1.00	100	7.563
E5X83	8/7/02	1.00	100	5.754
E5X89	8/7/02	1.00	100	12.5
E5X8M	8/7/02	1.00	100	4.962
E5X8MD	8/7/02	1.00	100	4.962
E5X8MS	8/7/02	1.00	100	4.962
E5X8N	8/7/02	1.00	100	11.133
E5X8P	8/7/02	1.00	100	5.631
E5X8R	8/7/02	1.00	100	7.287
E5X8V	8/7/02	1.00	100	5.952
E5X9E	8/7/02	1.00	100	10.929

STL-Pittsburgh

Metals Data Reporting Form

Preparation Log

Preparation Batch: 2219236 **Instrument:** CVAA **Matrix:** Soil

Sample ID	Prep Date	Weight (g)	Volume (ml)	% Moisture
E5198B	8/8/02	0.60	100	NA
E5198C	8/8/02	0.60	100	NA
E5X81	8/8/02	0.60	100	7.563
E5X83	8/8/02	0.60	100	5.754
E5X89	8/8/02	0.60	100	12.5
E5X8M	8/8/02	0.60	100	4.962
E5X8MD	8/8/02	0.60	100	4.962
E5X8MS	8/8/02	0.60	100	4.962
E5X8N	8/8/02	0.60	100	11.133
E5X8P	8/8/02	0.60	100	5.631
E5X8R	8/8/02	0.60	100	7.287
E5X8V	8/8/02	0.60	100	5.952
E5X9E	8/8/02	0.60	100	10.929

STL-Pittsburgh

Metals Data Reporting Form

Instrument Runlog

Instrument: CVAA **Chart Number:** 0808HGA.PRN

Lab Sample Name	Client Sample Name	Date of Analysis	Time of Analysis
Std1Rep1		8/8/02	8:57
Std2Rep1		8/8/02	8:59
Std3Rep1		8/8/02	9:01
Std4Rep1		8/8/02	9:03
Std5Rep1		8/8/02	9:04
Std6Rep1		8/8/02	9:06
ICV5-1		8/8/02	9:09
ICB1		8/8/02	9:10
CCV5-1		8/8/02	9:12
CCB1		8/8/02	9:13
E5198B		8/8/02	9:15
E5198C		8/8/02	9:16
E5X8M	MPT-1602-SS01-01	8/8/02	9:18
E5X8MS	MPT-1602-SS01-01S	8/8/02	9:20
E5X8MD	MPT-1602-SS01-01SD	8/8/02	9:21
E5X8N	MPT-1602-SB01-05	8/8/02	9:23
E5X8P	MPT-1602-SS04-01	8/8/02	9:24
E5X8R	MPT-1602-SB04-05	8/8/02	9:26
E5X8V	MPT-1602-SS02-01	8/8/02	9:27
E5X81	MPT-1602-SB02-05	8/8/02	9:29
CCV5-2		8/8/02	9:30
CCB2		8/8/02	9:32
E5X83	MPT-1602-SS03-01	8/8/02	9:33
E5X89	MPT-1602-SB03-05	8/8/02	9:35
E5X9E	MPT-1602-SBDUP01-05	8/8/02	9:36
ZZZZZZ		8/8/02	9:38
ZZZZZZ		8/8/02	9:40
ZZZZZZ		8/8/02	9:41
ZZZZZZ		8/8/02	9:43
ZZZZZZ		8/8/02	9:44
ZZZZZZ		8/8/02	9:47
ZZZZZZ		8/8/02	9:48
CCV5-3		8/8/02	9:50
CCB3		8/8/02	9:52
ZZZZZZ		8/8/02	9:53
ZZZZZZ		8/8/02	9:54
ZZZZZZ		8/8/02	9:56
ZZZZZZ		8/8/02	9:57
ZZZZZZ		8/8/02	9:59

Version 4.97.1

Form 14 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Instrument Runlog

Instrument: CVAA **Chart Number:** 0808HGA.PRN

Lab Sample Name	Client Sample Name	Date of Analysis	Time of Analysis
ZZZZZZ		8/8/02	10:00
ZZZZZZ		8/8/02	10:02
ZZZZZZ		8/8/02	10:03
ZZZZZZ		8/8/02	10:05
ZZZZZZ		8/8/02	10:07
ZZZZZZ		8/8/02	10:08
ZZZZZZ		8/8/02	10:10
ZZZZZZ		8/8/02	10:11
ZZZZZZ		8/8/02	10:13
ZZZZZZ		8/8/02	10:15
ZZZZZZ		8/8/02	10:16
ZZZZZZ		8/8/02	10:17
ZZZZZZ		8/8/02	10:19
ZZZZZZ		8/8/02	10:21
ZZZZZZ		8/8/02	10:23
ZZZZZZ		8/8/02	10:25
ZZZZZZ		8/8/02	10:26
ZZZZZZ		8/8/02	10:28
ZZZZZZ		8/8/02	10:30
ZZZZZZ		8/8/02	10:31
ZZZZZZ		8/8/02	10:33
ZZZZZZ		8/8/02	10:34
ZZZZZZ		8/8/02	10:39
ZZZZZZ		8/8/02	10:41
ZZZZZZ		8/8/02	10:42
ZZZZZZ		8/8/02	10:44
ZZZZZZ		8/8/02	10:45
ZZZZZZ		8/8/02	10:47

STL-Pittsburgh

Metals Data Reporting Form

Instrument Runlog

Instrument: ICPST **Chart Number:** T20808C.ARC

Lab Sample Name	Client Sample Name	Date of Analysis	Time of Analysis
STD1		8/8/02	13:23
STD2		8/8/02	13:28
STD3		8/8/02	13:33
STD4		8/8/02	13:39
ICV1-1		8/8/02	13:44
ICB1		8/8/02	13:49
ZZZZZZ		8/8/02	13:54
ICSA		8/8/02	14:10
ICSAB		8/8/02	14:15
ZZZZZZ		8/8/02	14:22
ZZZZZZ		8/8/02	14:27
ZZZZZZ		8/8/02	14:33
ZZZZZZ		8/8/02	14:38
ZZZZZZ		8/8/02	14:44
ZZZZZZ		8/8/02	14:49
ZZZZZZ		8/8/02	14:55
CCV1-1		8/8/02	15:00
CCB1		8/8/02	15:06
ZZZZZZ		8/8/02	15:11
ZZZZZZ		8/8/02	15:16
ZZZZZZ		8/8/02	15:22
ZZZZZZ		8/8/02	15:27
ZZZZZZ		8/8/02	15:33
ZZZZZZ		8/8/02	15:38
ZZZZZZ		8/8/02	15:44
ZZZZZZ		8/8/02	15:49
ZZZZZZ		8/8/02	15:55
ZZZZZZ		8/8/02	16:00
CCV1-2		8/8/02	16:05
CCB2		8/8/02	16:11
ZZZZZZ		8/8/02	16:16
ZZZZZZ		8/8/02	16:22
ZZZZZZ		8/8/02	16:27
ZZZZZZ		8/8/02	16:33
ZZZZZZ		8/8/02	16:38
ZZZZZZ		8/8/02	16:44
ZZZZZZ		8/8/02	16:49
ZZZZZZ		8/8/02	16:54
ZZZZZZ		8/8/02	17:00

Version 4.97.1

Form 14 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Instrument Runlog

Instrument: ICPST **Chart Number:** T20808C.ARC

Lab Sample Name	Client Sample Name	Date of Analysis	Time of Analysis
ZZZZZZ		8/8/02	17:05
CCV1-3		8/8/02	17:11
CCB3		8/8/02	17:16
ZZZZZZ		8/8/02	17:22
ZZZZZZ		8/8/02	17:27
ZZZZZZ		8/8/02	17:33
ZZZZZZ		8/8/02	17:38
ZZZZZZ		8/8/02	17:44
ZZZZZZ		8/8/02	17:49
ZZZZZZ		8/8/02	17:54
ZZZZZZ		8/8/02	18:00
ZZZZZZ		8/8/02	18:05
ZZZZZZ		8/8/02	18:11
CCV1-4		8/8/02	18:16
CCB4		8/8/02	18:22
ZZZZZZ		8/8/02	18:27
ZZZZZZ		8/8/02	18:33
ZZZZZZ		8/8/02	18:38
ZZZZZZ		8/8/02	18:44
ZZZZZZ		8/8/02	18:49
ZZZZZZ		8/8/02	18:54
ZZZZZZ		8/8/02	19:00
ZZZZZZ		8/8/02	19:05
E51W6B		8/8/02	19:11
E51W6C		8/8/02	19:16
CCV1-5		8/8/02	19:22
CCB5		8/8/02	19:27
E5X8M	MPT-1602-SS01-01	8/8/02	19:33
E5X8MP5	MPT-1602-SS01-01P	8/8/02	19:38
E5X8MS	MPT-1602-SS01-01S	8/8/02	19:43
E5X8MD	MPT-1602-SS01-01SD	8/8/02	19:49
E5X8N	MPT-1602-SB01-05	8/8/02	19:54
E5X8P	MPT-1602-SS04-01	8/8/02	20:00
E5X8R	MPT-1602-SB04-05	8/8/02	20:05
E5X8V	MPT-1602-SS02-01	8/8/02	20:11
E5X81	MPT-1602-SB02-05	8/8/02	20:16
E5X83	MPT-1602-SS03-01	8/8/02	20:22
CCV1-6		8/8/02	20:27
CCB6		8/8/02	20:33

Version 4.97.1

Form 14 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Instrument Runlog

Instrument: ICPST **Chart Number:** T20808C.ARC

Lab Sample Name	Client Sample Name	Date of Analysis	Time of Analysis
ZZZZZZ		8/8/02	20:38
ZZZZZZ		8/8/02	20:43
ZZZZZZ		8/8/02	20:49
ZZZZZZ		8/8/02	20:54
ZZZZZZ		8/8/02	21:00
ZZZZZZ		8/8/02	21:05
ZZZZZZ		8/8/02	21:11
ZZZZZZ		8/8/02	21:16
ZZZZZZ		8/8/02	21:22
ZZZZZZ		8/8/02	21:27
ZZZZZZ		8/8/02	21:33
ZZZZZZ		8/8/02	21:38
ZZZZZZ		8/8/02	21:43
ZZZZZZ		8/8/02	21:49
ZZZZZZ		8/8/02	21:54
ZZZZZZ		8/8/02	22:00
ZZZZZZ		8/8/02	22:05
ZZZZZZ		8/8/02	22:11
ZZZZZZ		8/8/02	22:16
ZZZZZZ		8/8/02	22:22
ZZZZZZ		8/8/02	22:27
ZZZZZZ		8/8/02	22:33
ZZZZZZ		8/8/02	22:38
ZZZZZZ		8/8/02	22:44
ZZZZZZ		8/8/02	22:49
ZZZZZZ		8/8/02	22:54
ZZZZZZ		8/8/02	23:00
ZZZZZZ		8/8/02	23:05
ZZZZZZ		8/8/02	23:11
ZZZZZZ		8/8/02	23:16
ZZZZZZ		8/8/02	23:22
ZZZZZZ		8/8/02	23:27
ZZZZZZ		8/8/02	23:33
ZZZZZZ		8/8/02	23:38
ZZZZZZ		8/8/02	23:44
ZZZZZZ		8/8/02	23:49

STL-Pittsburgh

Metals Data Reporting Form

Instrument Runlog

Instrument: ICPST **Chart Number:** T20809A.ARC

Lab Sample Name	Client Sample Name	Date of Analysis	Time of Analysis
STD1		8/9/02	12:13
STD2		8/9/02	12:19
STD3		8/9/02	12:24
STD4		8/9/02	12:30
ICV1-1		8/9/02	12:34
ICB1		8/9/02	12:40
ZZZZZZ		8/9/02	12:45
ICSA		8/9/02	12:51
ICSAB		8/9/02	12:56
ZZZZZZ		8/9/02	13:04
ZZZZZZ		8/9/02	13:09
ZZZZZZ		8/9/02	13:15
ZZZZZZ		8/9/02	13:20
ZZZZZZ		8/9/02	13:26
ZZZZZZ		8/9/02	13:31
ZZZZZZ		8/9/02	13:36
CCV1-1		8/9/02	13:42
CCB1		8/9/02	13:47
ZZZZZZ		8/9/02	13:53
ZZZZZZ		8/9/02	13:58
ZZZZZZ		8/9/02	14:04
ZZZZZZ		8/9/02	14:09
ZZZZZZ		8/9/02	14:15
ZZZZZZ		8/9/02	14:20
ZZZZZZ		8/9/02	14:25
ZZZZZZ		8/9/02	14:31
ZZZZZZ		8/9/02	14:36
ZZZZZZ		8/9/02	14:42
CCV1-2		8/9/02	14:47
CCB2		8/9/02	14:53
ZZZZZZ		8/9/02	14:58
ZZZZZZ		8/9/02	15:04
ZZZZZZ		8/9/02	15:09
ZZZZZZ		8/9/02	15:14
ZZZZZZ		8/9/02	15:20
ZZZZZZ		8/9/02	15:25
ZZZZZZ		8/9/02	15:31
ZZZZZZ		8/9/02	15:36
ZZZZZZ		8/9/02	15:42

Version 4.97.1

Form 14 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Instrument Runlog

Instrument: ICPST **Chart Number:** T20809A.ARC

Lab Sample Name	Client Sample Name	Date of Analysis	Time of Analysis
ZZZZZZ		8/9/02	15:47
CCV1-3		8/9/02	15:53
CCB3		8/9/02	15:58
ZZZZZZ		8/9/02	16:03
ZZZZZZ		8/9/02	16:09
ZZZZZZ		8/9/02	16:14
ZZZZZZ		8/9/02	16:20
ZZZZZZ		8/9/02	16:25
ZZZZZZ		8/9/02	16:50
ZZZZZZ		8/9/02	16:55
ZZZZZZ		8/9/02	17:01
ZZZZZZ		8/9/02	17:06
ZZZZZZ		8/9/02	17:11
CCV1-4		8/9/02	17:17
CCB4		8/9/02	17:22
ZZZZZZ		8/9/02	17:35
ZZZZZZ		8/9/02	17:41
ZZZZZZ		8/9/02	17:46
ZZZZZZ		8/9/02	17:52
ZZZZZZ		8/9/02	17:57
ZZZZZZ		8/9/02	18:03
ZZZZZZ		8/9/02	18:08
ZZZZZZ		8/9/02	18:13
ZZZZZZ		8/9/02	18:19
ZZZZZZ		8/9/02	18:24
CCV1-5		8/9/02	18:30
CCB5		8/9/02	18:35
ZZZZZZ		8/9/02	18:41
ZZZZZZ		8/9/02	18:46
ZZZZZZ		8/9/02	18:52
ZZZZZZ		8/9/02	18:57
ZZZZZZ		8/9/02	19:03
ZZZZZZ		8/9/02	19:08
ZZZZZZ		8/9/02	19:13
ZZZZZZ		8/9/02	19:19
ZZZZZZ		8/9/02	19:24
ZZZZZZ		8/9/02	19:30
CCV1-6		8/9/02	19:35
CCB6		8/9/02	19:41

Version 4.97.1

Form 14 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Instrument Runlog

Instrument: ICPST **Chart Number:** T20809A.ARC

Lab Sample Name	Client Sample Name	Date of Analysis	Time of Analysis
ZZZZZZ		8/9/02	19:46
ZZZZZZ		8/9/02	19:52
ZZZZZZ		8/9/02	19:57
ZZZZZZ		8/9/02	20:03
ZZZZZZ		8/9/02	20:08
ZZZZZZ		8/9/02	20:13
ZZZZZZ		8/9/02	20:19
ZZZZZZ		8/9/02	20:24
ZZZZZZ		8/9/02	20:30
ZZZZZZ		8/9/02	20:35
CCV1-7		8/9/02	20:41
CCB7		8/9/02	20:46
ZZZZZZ		8/9/02	20:52
ZZZZZZ		8/9/02	20:57
ZZZZZZ		8/9/02	21:03
ZZZZZZ		8/9/02	21:08
ZZZZZZ		8/9/02	21:13
E5X8M	MPT-1602-SS01-01	8/9/02	21:19
E5X8MP5	MPT-1602-SS01-01P	8/9/02	21:24
E5X8MS	MPT-1602-SS01-01S	8/9/02	21:30
E5X8MD	MPT-1602-SS01-01SD	8/9/02	21:35
E5X8N	MPT-1602-SB01-05	8/9/02	21:41
CCV1-8		8/9/02	21:46
CCB8		8/9/02	21:52
E5X8P	MPT-1602-SS04-01	8/9/02	21:57
E5X8R	MPT-1602-SB04-05	8/9/02	22:03
E5X8V	MPT-1602-SS02-01	8/9/02	22:08
E5X81	MPT-1602-SB02-05	8/9/02	22:14
E5X83	MPT-1602-SS03-01	8/9/02	22:19
E5X89	MPT-1602-SB03-05	8/9/02	22:24
E5X9E	MPT-1602-SBDUP01-05	8/9/02	22:30
ZZZZZZ		8/9/02	22:35
ZZZZZZ		8/9/02	22:41
ZZZZZZ		8/9/02	22:46
CCV1-9		8/9/02	22:52
CCB9		8/9/02	22:57
ZZZZZZ		8/9/02	23:03
ZZZZZZ		8/9/02	23:08
ZZZZZZ		8/9/02	23:14

Version 4.97.1

Form 14 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Instrument Runlog

Instrument: ICPST **Chart Number:** T20809A.ARC

Lab Sample Name	Client Sample Name	Date of Analysis	Time of Analysis
ZZZZZZ		8/9/02	23:19
ZZZZZZ		8/9/02	23:25
ZZZZZZ		8/9/02	23:30
ZZZZZZ		8/9/02	23:35
ZZZZZZ		8/9/02	23:41
ZZZZZZ		8/9/02	23:46
ZZZZZZ		8/9/02	23:52
ZZZZZZ		8/9/02	23:57
ZZZZZZ		8/10/02	0:03
ZZZZZZ		8/10/02	0:08
ZZZZZZ		8/10/02	0:14
ZZZZZZ		8/10/02	0:19
ZZZZZZ		8/10/02	0:25
ZZZZZZ		8/10/02	0:30
ZZZZZZ		8/10/02	0:36
ZZZZZZ		8/10/02	0:41
ZZZZZZ		8/10/02	0:47
ZZZZZZ		8/10/02	0:52
ZZZZZZ		8/10/02	0:57
ZZZZZZ		8/10/02	1:03
ZZZZZZ		8/10/02	1:08
ZZZZZZ		8/10/02	1:14
ZZZZZZ		8/10/02	1:19
ZZZZZZ		8/10/02	1:25
ZZZZZZ		8/10/02	1:30
ZZZZZZ		8/10/02	1:36
ZZZZZZ		8/10/02	1:41
ZZZZZZ		8/10/02	1:47
ZZZZZZ		8/10/02	1:52
ZZZZZZ		8/10/02	1:58
ZZZZZZ		8/10/02	2:03
ZZZZZZ		8/10/02	2:09
ZZZZZZ		8/10/02	2:14
ZZZZZZ		8/10/02	2:20
ZZZZZZ		8/10/02	2:25
ZZZZZZ		8/10/02	2:31
ZZZZZZ		8/10/02	2:36
ZZZZZZ		8/10/02	2:41
ZZZZZZ		8/10/02	2:47

Version 4.97.1

Form 14 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Instrument Runlog

Instrument: ICPST **Chart Number:** T20809A.ARC

Lab Sample Name	Client Sample Name	Date of Analysis	Time of Analysis
ZZZZZZ		8/10/02	2:52

OK - both <5X CRDL

FIELD DUPLICATE PRECISION

ANALYTE	MPT-1602-SBDUP01-05	MPT-1602-SB02-05	RPD	DIFFERENCE
Arsenic	0.88	1.1	22.22	0.22
Barium	10.1	5.7	55.70	4.4
Cadmium	0.055	0.052	5.61	0.003
Chromium	1.1	1.6	37.04	0.5
Lead	1.9	1.3	37.50	0.6
Mercury	0.013	0.013	0.00	0
Selenium	.27U	.26U	#VALUE!	#VALUE!
Silver	.051U	.049U	#VALUE!	#VALUE!

Sample: MPT-1602-SS01-01

$0.08619 \text{ ppm} \times \frac{100 \text{ mL}}{1 \text{ g}} = \frac{8.619}{0.95} = 9.1 \text{ mg/kg}$

Analysis Report 08/08/02 07:38:28 PM page 1

Method: METTRACE Sample Name: E5X8M Operator: WTR
Run Time: 08/08/02 19:33:04
Comment: STL PITTSBURGH ICP METALS ANALYSIS INSTRUMENT TRACEICP
Mode: CONC Corr. Factor: 1

95% solid

Elem	AG	AL	AS	B_	BA	BE	CA
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00074	6.7282	.00923	.02386	.12518	.00175	H1730.9
SDev	.00018	.0451	.00100	.00058	.00139	.00015	9.0
%RSD	24.444	.66989	10.833	2.4442	1.1142	8.6231	.52237
#1	-.00095	6.7300	.01038	.02445	.12652	.00183	H1734.2
#2	-.00061	6.7723	.00875	.02384	.12527	.00158	H1737.9
#3	-.00067	6.6822	.00855	.02329	.12374	.00185	H1720.7
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	2.0000	600.00	10.000	30.000	10.000	10.000	600.00
Low	-.01000	-.20000	-.01000	-.20000	-.20000	-.00500	-5.0000

Elem	CD	CO	CR	CU	FE	K_	MG
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00233	.00330	.06061	.03059	14.110	.97277	14.041
SDev	.00009	.00006	.00039	.00028	.102	.01275	.155
%RSD	3.7572	1.9794	.64346	.92457	.72480	1.3105	1.1074
#1	.00235	.00324	.06085	.03076	14.061	.96777	14.184
#2	.00240	.00337	.06081	.03075	14.227	.98726	14.065
#3	.00223	.00329	.06016	.03026	14.041	.96328	13.875
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.0000	100.00	20.000	10.000	500.00	500.00	600.00
Low	-.00500	-.05000	-.00500	-.02500	-.10000	-5.0000	-5.0000

Elem	MN	MO	NA	NI	PB/1	PB/2	PB
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.32800	.00146	2.9916	.00992	.08490	.08683	.08619
SDev	.00212	.00098	.1036	.00112	.00112	.00068	.00008
%RSD	.64535	67.045	3.4630	11.304	1.3239	.78182	.09155
#1	.32758	.00163	2.9940	.01084	.08412	.08729	.08623
#2	.33030	.00235	3.0940	.00867	.08441	.08714	.08623
#3	.32613	.00041	2.8869	.01023	.08619	.08605	.08609
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	20.000	20.000	500.00	100.00			5.0000
Low	-.01500	-.04000	-5.0000	-.04000			-.00300

Elem	SB/1	SB/2	SB	SE/1	SE/2	SE	SI
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00288	-.00005	.00093	-.00068	.00177	.00095	2.1376
SDev	.00257	.00107	.00065	.00440	.00153	.00199	.0264
%RSD	89.129	2199.0	70.129	643.55	86.366	209.02	1.2330
#1	.00583	-.00098	.00129	-.00571	.00109	-.00118	2.1600
#2	.00172	.00112	.00132	.00242	.00070	.00127	2.1444

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**T. HANSEN**	**DATE:**	**OCTOBER 30, 2002**
FROM:	**BERNARD F SPADA III**	**COPIES:**	**DV FILE**

SUBJECT: **ORGANIC DATA VALIDATION- VOA/SVOA/PEST/PCB/HERB/TPH**
CTO 267/190, NS MAYPORT
SDG 60115

SAMPLES: 1/Aqueous

TRIP BLANK 080502

9/Soil

MPT-1602-SB01-05	MPT-1602-SB02-05	MPT-1602-SB02-05-D
MPT-1602-SB03-05	MPT-1602-SB04-05	MPT-1602-SS01-01
MPT-1602-SS02-01	MPT-1602-SS03-01	MPT-1602-SS04-01

OVERVIEW

The sample set for CTO 267/190, NS Mayport, SDG 60115 consists of eight (8) environmental soil samples and one (1) field duplicate. All samples were analyzed for volatile organic compounds (VOC), semivolatile organic compounds (SVOC), pesticides (PEST), polychlorinated biphenyls (PCB), herbicides (HERB), and total petroleum hydrocarbons (TPH) by Methods SW-846 8260B, 8270C, 8081A, 8082, 8151A, and 8015 respectively. The field duplicate pair included in this SDG is MPT-1602-SB02-05 and MPT-1602-SB02-05-D.

The samples were collected by Tetra Tech NUS on August 5, 2002 and analyzed by Severn Trent Laboratories. All analyses were conducted in accordance with Naval Facilities Engineering Service Center (NFESC) Quality Assurance/Quality Control (QA/QC) criteria using SW-846 Methods 8260B, 8270C, 8081A, 8082, 8151A, and 8015 analytical and reporting protocols. The data contained in this SDG were validated with regard to the following parameters:

- * Data completeness
- * Holding times
- * GC/MS Tuning
- Initial and continuing calibration
- * Blank results
- * Surrogate spike recoveries
- * Internal standard recoveries
- * Blank Spike/Blank Spike Duplicate Results
- * Matrix Spike/Matrix Spike Duplicate Results
- * Detection Limits
- Field Duplicate Precision
- Compound Quantitation
- * Compound Identification

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

Volatiles

The aqueous initial calibration on 6/26/02 was below the 0.05 relative response factor (RRF) quality control criteria for acrolein, acetonitrile, 1,4-dioxane, and isobutanol. All results for the aforementioned compounds in the trip blank sample (TRIP BLANK 080502) were rejected (UR).

The aqueous initial calibration analyzed on 6/26/02 exceeded the 30% relative standard deviation (RSD) quality control criteria for iodomethane and acetonitrile. The result for iodomethane in the trip blank sample (TRIP BLANK 080502) was qualified as estimated (UJ). No action was taken on this basis for acetonitrile because it was qualified for a more severe RRF non-compliance.

The aqueous continuing calibration on 8/13/02 was below the 0.05 RRF quality control criteria for acrolein, acetonitrile, 1,4-dioxane, propionitrile, and isobutanol. All results for the aforementioned compounds in the trip blank sample (TRIP BLANK 080502) were rejected (UR).

The aqueous continuing calibration on 8/13/02 exceeded the 25% difference (%D) quality control criteria for acrylonitrile. The result for acrylonitrile in the trip blank sample (TRIP BLANK 080502) was qualified as estimated (UJ).

The soil initial calibration on 2/8/02 was below the 0.05 relative response factor (RRF) quality control criteria for acrolein, acetonitrile, 1,4-dioxane, and isobutanol. All results for the aforementioned compounds in all soil samples (MPT-1602-SB01-05, MPT-1602-SB02-05, MPT-1602-SB02-05-D, MPT-1602-SB03-05, MPT-1602-SB04-05, MPT-1602-SS01-01, MPT-1602-SS02-01, MPT-1602-SS03-01, and MPT-1602-SS04-01) were rejected (UR).

The soil initial calibration on 8/1/02 exceeded the 30% RSD quality control criteria for acetone. All results for acetone in all soil samples (MPT-1602-SB01-05, MPT-1602-SB02-05, MPT-1602-SB02-05-D, MPT-1602-SB03-05, MPT-1602-SB04-05, MPT-1602-SS01-01, MPT-1602-SS02-01, MPT-1602-SS03-01, and MPT-1602-SS04-01) were qualified as estimated (UJ).

The soil continuing calibration on 8/7/02 was below the 0.05 relative response factor (RRF) quality control criteria for acrolein, acetonitrile, 1,4-dioxane, bromomethane, and isobutanol. All results for the aforementioned compounds in all soil samples (MPT-1602-SB01-05, MPT-1602-SB02-05, MPT-1602-SB02-05-D, MPT-1602-SB03-05, MPT-1602-SB04-05, MPT-1602-SS01-01, MPT-1602-SS02-01, MPT-1602-SS03-01, and MPT-1602-SS04-01) were rejected (UR).

The soil continuing calibration analyzed on 8/7/02 exceeded the 25%D quality control criteria for bromomethane, trichlorofluoromethane, 1,2-dichloroethane, 2-butanone, and acetone. All results for the aforementioned compounds except bromomethane in all soil samples (MPT-1602-SB01-05, MPT-1602-SB02-05, MPT-1602-SB02-05-D, MPT-1602-SB03-05, MPT-1602-SB04-05, MPT-1602-SS01-01, MPT-1602-SS02-01, MPT-1602-SS03-01, and MPT-1602-SS04-01) were qualified as estimated(J, UJ). No action was taken for bromomethane on this basis because bromomethane was rejected for a more severe RRF non-compliance.

Pentachloroethane was specified in the lab spec as a VOC but was reported in SVOC fraction. No action was taken on this basis.

Total 1,2-dichloroethene, cis-1,2-dichloroethene, 1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene and 2-chloroethylvinyl ether were not reported in the trip blank sample, but were reported in all the soil samples. The laboratory forwarded the missing data upon request.

The three dichlorobenzenes (1,2-dichlorobenzene, 1,3-dichlorobenzene, and 1,4-dichlorobenzene) were reported in both the SVOC fraction and the VOC fraction. The results from the SVOC fraction were removed from the database. 1,4-dioxane was reported in the VOC fraction instead of the SVOC fraction.

All positive results below the reporting limit were qualified as estimated (J).

Semivolatiles

The soil initial calibration on 7/18/02 exceeded the 30% RSD quality control criteria for 2-naphthylamine, and 2,4-dinitrophenol. All results for the aforementioned compounds in all soil samples (MPT-1602-SB01-05, MPT-1602-SB02-05, MPT-1602-SB02-05-D, MPT-1602-SB03-05, MPT-1602-SB04-05, MPT-1602-SS01-01, MPT-1602-SS02-01, MPT-1602-SS03-01, and MPT-1602-SS04-01) were qualified as estimated (UJ).

The continuing calibration on 8/8/02 exceeded the 25%D quality control criteria for 2,4-dinitrophenol, pyridine, n-nitrosodimethylamine, sulfotepp, methapyrilene, ethyl methanesulfonate, 2-picoline, hexachloropropene, n-nitrosodiethylamine, n-nitrosomethylethylamine, and pentachloronitrobenzene. All results for the aforementioned compounds in all soil samples (MPT-1602-SB01-05, MPT-1602-SB02-05, MPT-1602-SB02-05-D, MPT-1602-SB03-05, MPT-1602-SB04-05, MPT-1602-SS01-01, MPT-1602-SS02-01, MPT-1602-SS03-01, and MPT-1602-SS04-01) were qualified as estimated (J, UJ).

Hexachlorophene was not reported due to not being included in the instrument calibration, but was specified in the lab spec. This makes it impossible to requantitate the existing data for hexachlorophene.

All positive results below the reporting limit were qualified as estimated (J).

Pesticides

The continuing calibration from 8/13/02 at 16:12 exceeded the 15%D quality control criteria for delta-BHC on both columns. The results for delta-BHC were qualified as estimated (UJ) in all samples.

The continuing calibrations from 8/13/02 at 15:44 and 8/14/02 at 01:50 exceeded the 15%D quality control criteria for methoxychlor on the RTX-50 column. No action was taken on this basis because the RTX-1701 column was compliant.

The continuing calibration from 8/14/02 at 02:18 exceeded the 15%D quality control criteria for delta-BHC on the RTX-1701 column. No action was taken on this basis because the RTX-50 column was compliant.

The following table describes percent difference between analytical columns non-compliances.

Sample	Analyte	%D	values	qualification
MPT-1602-SB02-05	4,4'-DDE	31.0	0.733, 0.961	J
	4,4'-DDT	35.3	1.517, 1.121	J
MPT-1602-SB02-05-D	Endrin aldehyde	26.6	0.368, 0.467	J
MPT-1602-SB04-05	4,4'-DDT	90.5	1.621, 0.851	J
MPT-1602-SS01-01	4,4'-DDD	47.5	1.158, 0.785	J
	4,4'-DDE	45.6	0.322, 0.468	J
	4,4'-DDT	87.8	2.421, 1.289	J
	Endosulfan II	72.4	0.510, 0.880	J

	alpha-Chlordane	124.6	0.569, 0.253	R
MPT-1602-SS02-01	4,4'-DDD	56.6	1.856, 1.185	J
MPT-1602-SS03-01	4,4'-DDT	461.9	1.747, 0.311	R
MPT-1602-SS04-01	4,4'-DDE	44.5	1.058, 1.529	J
	Endrin aldehyde	81.6	0.590, 0.325	J

Please note that the results reported in the table above do not have the percent solids taken into consideration. This is because the results were taken from the raw data sheets as stated above. This will not affect the %D results because both values will be affected proportionally.

The results for 4,4'-DDE and 4,4'-DDT exceeded the 50% RPD quality control criteria in the field duplicate pair. The results for the aforementioned compounds were qualified as estimated (J) in samples MPT-1602-SB02-05 and MPT-1602-SB02-05-D.

All positive results below the reporting limit were qualified as estimated (J).

PCB

The initial calibration from 8/7/02 exceeded the 20% RSD quality control criteria for Aroclor 1016. All results for Aroclor 1016 were qualified as estimated (UJ).

Herbicides

The MSD recovery of 2,4-D and 2,4,5-T fell below the quality control criteria. No action was taken on this basis because the MS and LCS recoveries were compliant.

TPH

None.

EXECUTIVE SUMMARY

Laboratory Performance Issues: Qualifications were made based on calibration non-compliances, method blank contamination, field duplicate imprecision, and percent difference between analytical columns non-compliances.

Other Factors Affecting Data Quality: None.

The data for these analyses were reviewed with reference to the EPA Functional Guidelines for Organic Data Validation (10/99) and the NFESC guidelines. The text of this report has been formulated to address only those problem areas affecting data quality.

"I attest that the data referenced herein were validated according to the agreed upon validation criteria as specified in the NFESC guidelines and the Quality Assurance Project Plan (QAPP)."

Tetra Tech NUS

Bernard F. Spada III
Chemist/Data Validator

TetraTech NUS

Joseph A. Samchuck
Data Validation Quality Assurance Officer

Attachments:

1. Appendix A - Qualified Analytical Results
2. Appendix B - Results as Reported by the Laboratory
3. Appendix C - Support Documentation

APPENDIX A

QUALIFIED ANALYTICAL RESULTS

Qualifier Codes:

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

PROJ_NO: 2129

SDG: 60115 MEDIA: WATER DATA FRACTION: OV

nsample	TRIP BLANK 080502	nsample	TRIP BLANK 080502
samp_date	8/5/2002	samp_date	8/5/2002
lab_id	C2H060115010	lab_id	C2H060115010
qc_type	NM	qc_type	NM
units	UG/L	units	UG/L
Pct_Solids	0	Pct_Solids	0
DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	1	U	
1,1,1-TRICHLOROETHANE	1	U	
1,1,2,2-TETRACHLOROETHANE	1	U	
1,1,2-TRICHLOROETHANE	1	U	
1,1-DICHLOROETHANE	1	U	
1,1-DICHLOROETHENE	1	U	
1,2,3-TRICHLOROPROPANE	1	U	
1,2-DIBROMO-3-CHLOROPROPANE	1	U	
1,2-DIBROMOETHANE	1	U	
1,2-DICHLOROBENZENE	1	U	
1,2-DICHLOROETHANE	1	U	
1,2-DICHLOROPROPANE	1	U	
1,3-DICHLOROBENZENE	1	U	
1,4-DICHLOROBENZENE	1	U	
1,4-DIOXANE	200	UR	C
2-BUTANONE	5	U	
2-CHLOROETHYL VINYL ETHER	5	U	
2-HEXANONE	5	U	
3-CHLOROPROPENE	1	U	
4-METHYL-2-PENTANONE	5	U	
ACETONE	10	U	
ACETONITRILE	20	UR	C
ACROLEIN	20	UR	C
ACRYLONITRILE	20	UJ	C
BENZENE	1	U	
BROMODICHLOROMETHANE	1	U	
BROMOFORM	1	U	
BROMOMETHANE	2	U	
CARBON DISULFIDE	1	U	
CARBON TETRACHLORIDE	1	U	

Parameter	Result	Val Qual	Qual Code
CHLOROBENZENE	1	U	
CHLORODIBROMOMETHANE	1	U	
CHLOROETHANE	2	U	
CHLOROFORM	1	U	
CHLOROMETHANE	2	U	
CHLOROPRENE	1	U	
CIS-1,2-DICHLOROETHENE	1	U	
CIS-1,3-DICHLOROPROPENE	1	U	
DIBROMOMETHANE	1	U	
DICHLORODIFLUOROMETHANE	2	U	
ETHYL METHACRYLATE	1	U	
ETHYLBENZENE	1	U	
ISOBUTANOL	40	UR	C
METHACRYLONITRILE	1	U	
METHYL IODIDE	1	UJ	C
METHYL METHACRYLATE	1	U	
METHYLENE CHLORIDE	2	U	
PROPIONITRILE	2	UR	C
STYRENE	1	U	
TETRACHLOROETHENE	1	U	
TOLUENE	1	U	
TOTAL 1,2-DICHLOROETHENE	1	U	
TOTAL XYLENES	2	U	
TRANS-1,2-DICHLOROETHENE	1	U	
TRANS-1,3-DICHLOROPROPENE	1	U	
TRANS-1,4-DICHLORO-2-BUTENE	1	U	
TRICHLOROETHENE	1	U	
TRICHLOROFLUOROMETHANE	2	U	
VINYL ACETATE	1	U	
VINYL CHLORIDE	2	U	

PROJ_NO: 2129

SDG: 60115 MEDIA: SOIL DATA FRACTION: OV

nsample	MPT-1602-SB01-05	nsample	MPT-1602-SB01-05	nsample	MPT-1602-SB02-05
samp_date	8/5/2002	samp_date	8/5/2002	samp_date	8/5/2002
lab_id	C2H060115002	lab_id	C2H060115002	lab_id	C2H060115006
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	89	Pct_Solids	89	Pct_Solids	92.4
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	3.8	U	
1,1,1-TRICHLOROETHANE	3.8	U	
1,1,2,2-TETRACHLOROETHANE	3.8	U	
1,1,2-TRICHLOROETHANE	3.8	U	
1,1-DICHLOROETHANE	3.8	U	
1,1-DICHLOROETHENE	3.8	U	
1,2,3-TRICHLOROPROPANE	3.8	U	
1,2-DIBROMO-3-CHLOROPROPANE	7.5	U	
1,2-DIBROMOETHANE	3.8	U	
1,2-DICHLOROBENZENE	3.8	U	
1,2-DICHLOROETHANE	3.8	UJ	C
1,2-DICHLOROPROPANE	3.8	U	
1,3-DICHLOROBENZENE	3.8	U	
1,4-DICHLOROBENZENE	3.8	U	
1,4-DIOXANE	750	UR	C
2-BUTANONE	1.4	J	CP
2-CHLOROETHYL VINYL ETHER	7.5	U	
2-HEXANONE	15	U	
3-CHLOROPROPENE	3.8	U	
4-METHYL-2-PENTANONE	15	U	
ACETONE	7.5	J	CP
ACETONITRILE	75	UR	C
ACROLEIN	75	UR	C
ACRYLONITRILE	75	U	
BENZENE	3.8	U	
BROMODICHLOROMETHANE	3.8	U	
BROMOFORM	3.8	U	
BROMOMETHANE	7.5	UR	C
CARBON DISULFIDE	3.8	U	
CARBON TETRACHLORIDE	3.8	U	

Parameter	Result	Val Qual	Qual Code
CHLOROBENZENE	3.8	U	
CHLORODIBROMOMETHANE	3.8	U	
CHLOROETHANE	7.5	U	
CHLOROFORM	3.8	U	
CHLOROMETHANE	7.5	U	
CHLOROPRENE	3.8	U	
CIS-1,2-DICHLOROETHENE	3.8	U	
CIS-1,3-DICHLOROPROPENE	3.8	U	
DIBROMOMETHANE	3.8	U	
DICHLORODIFLUOROMETHANE	7.5	U	
ETHYL METHACRYLATE	3.8	U	
ETHYLBENZENE	3.8	U	
ISOBUTANOL	300	UR	C
METHACRYLONITRILE	3.8	U	
METHYL IODIDE	3.8	U	
METHYL METHACRYLATE	3.8	U	
METHYLENE CHLORIDE	3.8	U	
PROPIONITRILE	7.5	U	
STYRENE	3.8	U	
TETRACHLOROETHENE	3.8	U	
TOLUENE	3.8	U	
TOTAL 1,2-DICHLOROETHENE	3.8	U	
TOTAL XYLENES	11	U	
TRANS-1,2-DICHLOROETHENE	3.8	U	
TRANS-1,3-DICHLOROPROPENE	3.8	U	
TRANS-1,4-DICHLORO-2-BUTENE	3.8	U	
TRICHLOROETHENE	3.8	U	
TRICHLOROFLUOROMETHANE	7.5	UJ	C
VINYL ACETATE	7.5	U	
VINYL CHLORIDE	7.5	U	

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	4	U	
1,1,1-TRICHLOROETHANE	4	U	
1,1,2,2-TETRACHLOROETHANE	4	U	
1,1,2-TRICHLOROETHANE	4	U	
1,1-DICHLOROETHANE	4	U	
1,1-DICHLOROETHENE	4	U	
1,2,3-TRICHLOROPROPANE	4	U	
1,2-DIBROMO-3-CHLOROPROPANE	8	U	
1,2-DIBROMOETHANE	4	U	
1,2-DICHLOROBENZENE	4	U	
1,2-DICHLOROETHANE	4	UJ	C
1,2-DICHLOROPROPANE	4	U	
1,3-DICHLOROBENZENE	4	U	
1,4-DICHLOROBENZENE	4	U	
1,4-DIOXANE	800	UR	C
2-BUTANONE	16	UJ	C
2-CHLOROETHYL VINYL ETHER	8	U	
2-HEXANONE	16	U	
3-CHLOROPROPENE	4	U	
4-METHYL-2-PENTANONE	16	U	
ACETONE	6.5	J	CP
ACETONITRILE	80	UR	C
ACROLEIN	80	UR	C
ACRYLONITRILE	80	U	
BENZENE	4	U	
BROMODICHLOROMETHANE	4	U	
BROMOFORM	4	U	
BROMOMETHANE	8	UR	C
CARBON DISULFIDE	4	U	
CARBON TETRACHLORIDE	4	U	

PROJ_NO: 2129

SDG: 60115 MEDIA: SOIL DATA FRACTION: OV

nsample	MPT-1602-SB02-05
samp_date	8/5/2002
lab_id	C2H060115006
qc_type	NM
units	UG/KG
Pct_Solids	92.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CHLOROBENZENE	4	U	
CHLORODIBROMOMETHANE	4	U	
CHLOROETHANE	8	U	
CHLOROFORM	4	U	
CHLOROMETHANE	8	U	
CHLOROPRENE	4	U	
CIS-1,2-DICHLOROETHENE	4	U	
CIS-1,3-DICHLOROPROPENE	4	U	
DIBROMOMETHANE	4	U	
DICHLORODIFLUOROMETHANE	8	U	
ETHYL METHACRYLATE	4	U	
ETHYLBENZENE	4	U	
ISOBUTANOL	320	UR	C
METHACRYLONITRILE	4	U	
METHYL IODIDE	4	U	
METHYL METHACRYLATE	4	U	
METHYLENE CHLORIDE	4	U	
PROPIONITRILE	8	U	
STYRENE	4	U	
TETRACHLOROETHENE	4	U	
TOLUENE	4	U	
TOTAL 1,2-DICHLOROETHENE	4	U	
TOTAL XYLENES	12	U	
TRANS-1,2-DICHLOROETHENE	4	U	
TRANS-1,3-DICHLOROPROPENE	4	U	
TRANS-1,4-DICHLORO-2-BUTENE	4	U	
TRICHLOROETHENE	4	U	
TRICHLOROFLUOROMETHANE	8	UJ	C
VINYL ACETATE	8	U	
VINYL CHLORIDE	8	U	

nsample	MPT-1602-SB03-05
samp_date	8/5/2002
lab_id	C2H060115008
qc_type	NM
units	UG/KG
Pct_Solids	88
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	3.8	U	
1,1,1-TRICHLOROETHANE	3.8	U	
1,1,2,2-TETRACHLOROETHANE	3.8	U	
1,1,2-TRICHLOROETHANE	3.8	U	
1,1-DICHLOROETHANE	3.8	U	
1,1-DICHLOROETHENE	3.8	U	
1,2,3-TRICHLOROPROPANE	3.8	U	
1,2-DIBROMO-3-CHLOROPROPANE	7.7	U	
1,2-DIBROMOETHANE	3.8	U	
1,2-DICHLOROBENZENE	3.8	U	
1,2-DICHLOROETHANE	3.8	UJ	C
1,2-DICHLOROPROPANE	3.8	U	
1,3-DICHLOROBENZENE	3.8	U	
1,4-DICHLOROBENZENE	3.8	U	
1,4-DIOXANE	770	UR	C
2-BUTANONE	15	UJ	C
2-CHLOROETHYL VINYL ETHER	7.7	U	
2-HEXANONE	15	U	
3-CHLOROPROPENE	3.8	U	
4-METHYL-2-PENTANONE	15	U	
ACETONE	6.5	J	CP
ACETONITRILE	77	UR	C
ACROLEIN	77	UR	C
ACRYLONITRILE	77	U	
BENZENE	3.8	U	
BROMODICHLOROMETHANE	3.8	U	
BROMOFORM	3.8	U	
BROMOMETHANE	7.7	UR	C
CARBON DISULFIDE	3.8	U	
CARBON TETRACHLORIDE	3.8	U	

nsample	MPT-1602-SB03-05
samp_date	8/5/2002
lab_id	C2H060115008
qc_type	NM
units	UG/KG
Pct_Solids	88
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CHLOROBENZENE	3.8	U	
CHLORODIBROMOMETHANE	3.8	U	
CHLOROETHANE	7.7	U	
CHLOROFORM	3.8	U	
CHLOROMETHANE	7.7	U	
CHLOROPRENE	3.8	U	
CIS-1,2-DICHLOROETHENE	3.8	U	
CIS-1,3-DICHLOROPROPENE	3.8	U	
DIBROMOMETHANE	3.8	U	
DICHLORODIFLUOROMETHANE	7.7	U	
ETHYL METHACRYLATE	3.8	U	
ETHYLBENZENE	3.8	U	
ISOBUTANOL	310	UR	C
METHACRYLONITRILE	3.8	U	
METHYL IODIDE	3.8	U	
METHYL METHACRYLATE	3.8	U	
METHYLENE CHLORIDE	3.8	U	
PROPIONITRILE	7.7	U	
STYRENE	3.8	U	
TETRACHLOROETHENE	3.8	U	
TOLUENE	3.8	U	
TOTAL 1,2-DICHLOROETHENE	3.8	U	
TOTAL XYLENES	11	U	
TRANS-1,2-DICHLOROETHENE	3.8	U	
TRANS-1,3-DICHLOROPROPENE	3.8	U	
TRANS-1,4-DICHLORO-2-BUTENE	3.8	U	
TRICHLOROETHENE	3.8	U	
TRICHLOROFLUOROMETHANE	7.7	UJ	C
VINYL ACETATE	7.7	U	
VINYL CHLORIDE	7.7	U	

PROJ_NO: 2129

SDG: 60115 MEDIA: SOIL DATA FRACTION: OV

nsample	MPT-1602-SB04-05	nsample	MPT-1602-SB04-05	nsample	MPT-1602-SBDUP01-05
samp_date	8/5/2002	samp_date	8/5/2002	samp_date	8/5/2002
lab_id	C2H060115004	lab_id	C2H060115004	lab_id	C2H060115009
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	92.7	Pct_Solids	92.7	Pct_Solids	89
DUP_OF:		DUP_OF:		DUP_OF:	MPT-1602-SB02-05

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	3.5	U	
1,1,1-TRICHLOROETHANE	3.5	U	
1,1,2,2-TETRACHLOROETHANE	3.5	U	
1,1,2-TRICHLOROETHANE	3.5	U	
1,1-DICHLOROETHANE	3.5	U	
1,1-DICHLOROETHENE	3.5	U	
1,2,3-TRICHLOROPROPANE	3.5	U	
1,2-DIBROMO-3-CHLOROPROPANE	6.9	U	
1,2-DIBROMOETHANE	3.5	U	
1,2-DICHLOROBENZENE	3.5	U	
1,2-DICHLOROETHANE	3.5	UJ	C
1,2-DICHLOROPROPANE	3.5	U	
1,3-DICHLOROBENZENE	3.5	U	
1,4-DICHLOROBENZENE	3.5	U	
1,4-DIOXANE	690	UR	C
2-BUTANONE	1	J	CP
2-CHLOROETHYL VINYL ETHER	6.9	U	
2-HEXANONE	14	U	
3-CHLOROPROPENE	3.5	U	
4-METHYL-2-PENTANONE	14	U	
ACETONE	5.5	J	CP
ACETONITRILE	69	UR	C
ACROLEIN	69	UR	C
ACRYLONITRILE	69	U	
BENZENE	3.5	U	
BROMODICHLOROMETHANE	3.5	U	
BROMOFORM	3.5	U	
BROMOMETHANE	6.9	UR	C
CARBON DISULFIDE	3.5	U	
CARBON TETRACHLORIDE	3.5	U	

Parameter	Result	Val Qual	Qual Code
CHLOROBENZENE	3.5	U	
CHLORODIBROMOMETHANE	3.5	U	
CHLOROETHANE	6.9	U	
CHLOROFORM	3.5	U	
CHLOROMETHANE	6.9	U	
CHLOROPRENE	3.5	U	
CIS-1,2-DICHLOROETHENE	3.5	U	
CIS-1,3-DICHLOROPROPENE	3.5	U	
DIBROMOMETHANE	3.5	U	
DICHLORODIFLUOROMETHANE	6.9	U	
ETHYL METHACRYLATE	3.5	U	
ETHYLBENZENE	3.5	U	
ISOBUTANOL	280	UR	C
METHACRYLONITRILE	3.5	U	
METHYL IODIDE	3.5	U	
METHYL METHACRYLATE	3.5	U	
METHYLENE CHLORIDE	3.5	U	
PROPIONITRILE	6.9	U	
STYRENE	3.5	U	
TETRACHLOROETHENE	3.5	U	
TOLUENE	3.5	U	
TOTAL 1,2-DICHLOROETHENE	3.5	U	
TOTAL XYLENES	10	U	
TRANS-1,2-DICHLOROETHENE	3.5	U	
TRANS-1,3-DICHLOROPROPENE	3.5	U	
TRANS-1,4-DICHLORO-2-BUTENE	3.5	U	
TRICHLOROETHENE	3.5	U	
TRICHLOROFLUOROMETHANE	6.9	UJ	C
VINYL ACETATE	6.9	U	
VINYL CHLORIDE	6.9	U	

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	4.6	U	
1,1,1-TRICHLOROETHANE	4.6	U	
1,1,2,2-TETRACHLOROETHANE	4.6	U	
1,1,2-TRICHLOROETHANE	4.6	U	
1,1-DICHLOROETHANE	4.6	U	
1,1-DICHLOROETHENE	4.6	U	
1,2,3-TRICHLOROPROPANE	4.6	U	
1,2-DIBROMO-3-CHLOROPROPANE	9.2	U	
1,2-DIBROMOETHANE	4.6	U	
1,2-DICHLOROBENZENE	4.6	U	
1,2-DICHLOROETHANE	4.6	UJ	C
1,2-DICHLOROPROPANE	4.6	U	
1,3-DICHLOROBENZENE	4.6	U	
1,4-DICHLOROBENZENE	4.6	U	
1,4-DIOXANE	920	UR	C
2-BUTANONE	18	UJ	C
2-CHLOROETHYL VINYL ETHER	9.2	U	
2-HEXANONE	18	U	
3-CHLOROPROPENE	4.6	U	
4-METHYL-2-PENTANONE	18	U	
ACETONE	9.4	J	CP
ACETONITRILE	92	UR	C
ACROLEIN	92	UR	C
ACRYLONITRILE	92	U	
BENZENE	4.6	U	
BROMODICHLOROMETHANE	4.6	U	
BROMOFORM	4.6	U	
BROMOMETHANE	9.2	UR	C
CARBON DISULFIDE	4.6	U	
CARBON TETRACHLORIDE	4.6	U	

PROJ_NO: 2129

SDG: 60115 MEDIA: SOIL DATA FRACTION: OV

nsample	MPT-1602-SBDUP01-05
samp_date	8/5/2002
lab_id	C2H060115009
qc_type	NM
units	UG/KG
Pct_Solids	89
DUP_OF:	MPT-1602-SB02-05

Parameter	Result	Val Qual	Qual Code
CHLOROBENZENE	4.6	U	
CHLORODIBROMOMETHANE	4.6	U	
CHLOROETHANE	9.2	U	
CHLOROFORM	4.6	U	
CHLOROMETHANE	9.2	U	
CHLOROPRENE	4.6	U	
CIS-1,2-DICHLOROETHENE	4.6	U	
CIS-1,3-DICHLOROPROPENE	4.6	U	
DIBROMOMETHANE	4.6	U	
DICHLORODIFLUOROMETHANE	9.2	U	
ETHYL METHACRYLATE	4.6	U	
ETHYLBENZENE	4.6	U	
ISOBUTANOL	370	UR	C
METHACRYLONITRILE	4.6	U	
METHYL IODIDE	4.6	U	
METHYL METHACRYLATE	4.6	U	
METHYLENE CHLORIDE	4.6	U	
PROPIONITRILE	9.2	U	
STYRENE	4.6	U	
TETRACHLOROETHENE	4.6	U	
TOLUENE	4.6	U	
TOTAL 1,2-DICHLOROETHENE	4.6	U	
TOTAL XYLENES	14	U	
TRANS-1,2-DICHLOROETHENE	4.6	U	
TRANS-1,3-DICHLOROPROPENE	4.6	U	
TRANS-1,4-DICHLORO-2-BUTENE	4.6	U	
TRICHLOROETHENE	4.6	U	
TRICHLOROFLUOROMETHANE	9.2	UJ	C
VINYL ACETATE	9.2	U	
VINYL CHLORIDE	9.2	U	

nsample	MPT-1602-SS01-01
samp_date	8/5/2002
lab_id	C2H060115001
qc_type	NM
units	UG/KG
Pct_Solids	95
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	3.9	U	
1,1,1-TRICHLOROETHANE	3.9	U	
1,1,2,2-TETRACHLOROETHANE	3.9	U	
1,1,2-TRICHLOROETHANE	3.9	U	
1,1-DICHLOROETHANE	3.9	U	
1,1-DICHLOROETHENE	3.9	U	
1,2,3-TRICHLOROPROPANE	3.9	U	
1,2-DIBROMO-3-CHLOROPROPANE	7.8	U	
1,2-DIBROMOETHANE	3.9	U	
1,2-DICHLOROBENZENE	3.9	U	
1,2-DICHLOROETHANE	3.9	UJ	C
1,2-DICHLOROPROPANE	3.9	U	
1,3-DICHLOROBENZENE	3.9	U	
1,4-DICHLOROBENZENE	3.9	U	
1,4-DIOXANE	780	UR	C
2-BUTANONE	1.6	J	CP
2-CHLOROETHYL VINYL ETHER	7.8	U	
2-HEXANONE	16	U	
3-CHLOROPROPENE	3.9	U	
4-METHYL-2-PENTANONE	16	U	
ACETONE	5.9	J	CP
ACETONITRILE	78	UR	C
ACROLEIN	78	UR	C
ACRYLONITRILE	78	U	
BENZENE	3.9	U	
BROMODICHLOROMETHANE	3.9	U	
BROMOFORM	3.9	U	
BROMOMETHANE	7.8	UR	C
CARBON DISULFIDE	3.9	U	
CARBON TETRACHLORIDE	3.9	U	

nsample	MPT-1602-SS01-01
samp_date	8/5/2002
lab_id	C2H060115001
qc_type	NM
units	UG/KG
Pct_Solids	95
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CHLOROBENZENE	3.9	U	
CHLORODIBROMOMETHANE	3.9	U	
CHLOROETHANE	7.8	U	
CHLOROFORM	3.9	U	
CHLOROMETHANE	7.8	U	
CHLOROPRENE	3.9	U	
CIS-1,2-DICHLOROETHENE	3.9	U	
CIS-1,3-DICHLOROPROPENE	3.9	U	
DIBROMOMETHANE	3.9	U	
DICHLORODIFLUOROMETHANE	7.8	U	
ETHYL METHACRYLATE	3.9	U	
ETHYLBENZENE	3.9	U	
ISOBUTANOL	310	UR	C
METHACRYLONITRILE	3.9	U	
METHYL IODIDE	3.9	U	
METHYL METHACRYLATE	3.9	U	
METHYLENE CHLORIDE	3.9	U	
PROPIONITRILE	7.8	U	
STYRENE	3.9	U	
TETRACHLOROETHENE	3.9	U	
TOLUENE	3.9	U	
TOTAL 1,2-DICHLOROETHENE	3.9	U	
TOTAL XYLENES	12	U	
TRANS-1,2-DICHLOROETHENE	3.9	U	
TRANS-1,3-DICHLOROPROPENE	3.9	U	
TRANS-1,4-DICHLORO-2-BUTENE	3.9	U	
TRICHLOROETHENE	3.9	U	
TRICHLOROFLUOROMETHANE	7.8	UJ	C
VINYL ACETATE	7.8	U	
VINYL CHLORIDE	7.8	U	

PROJ_NO: 2129

SDG: 60115 MEDIA: SOIL DATA FRACTION: OV

nsample	MPT-1602-SS02-01
samp_date	8/5/2002
lab_id	C2H060115005
qc_type	NM
units	UG/KG
Pct_Solids	94
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	3.8	U	
1,1,1-TRICHLOROETHANE	3.8	U	
1,1,2,2-TETRACHLOROETHANE	3.8	U	
1,1,2-TRICHLOROETHANE	3.8	U	
1,1-DICHLOROETHANE	3.8	U	
1,1-DICHLOROETHENE	3.8	U	
1,2,3-TRICHLOROPROPANE	3.8	U	
1,2-DIBROMO-3-CHLOROPROPANE	7.5	U	
1,2-DIBROMOETHANE	3.8	U	
1,2-DICHLOROBENZENE	3.8	U	
1,2-DICHLOROETHANE	3.8	UJ	C
1,2-DICHLOROPROPANE	3.8	U	
1,3-DICHLOROBENZENE	3.8	U	
1,4-DICHLOROBENZENE	3.8	U	
1,4-DIOXANE	750	UR	C
2-BUTANONE	15	UJ	C
2-CHLOROETHYL VINYL ETHER	7.5	U	
2-HEXANONE	15	U	
3-CHLOROPROPENE	3.8	U	
4-METHYL-2-PENTANONE	15	U	
ACETONE	4.8	J	CP
ACETONITRILE	75	UR	C
ACROLEIN	75	UR	C
ACRYLONITRILE	75	U	
BENZENE	3.8	U	
BROMODICHLOROMETHANE	3.8	U	
BROMOFORM	3.8	U	
BROMOMETHANE	7.5	UR	C
CARBON DISULFIDE	3.8	U	
CARBON TETRACHLORIDE	3.8	U	

nsample	MPT-1602-SS02-01
samp_date	8/5/2002
lab_id	C2H060115005
qc_type	NM
units	UG/KG
Pct_Solids	94
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CHLOROBENZENE	3.8	U	
CHLORODIBROMOMETHANE	3.8	U	
CHLOROETHANE	7.5	U	
CHLOROFORM	3.8	U	
CHLOROMETHANE	7.5	U	
CHLOROPRENE	3.8	U	
CIS-1,2-DICHLOROETHENE	3.8	U	
CIS-1,3-DICHLOROPROPENE	3.8	U	
DIBROMOMETHANE	3.8	U	
DICHLORODIFLUOROMETHANE	7.5	U	
ETHYL METHACRYLATE	3.8	U	
ETHYLBENZENE	3.8	U	
ISOBUTANOL	300	UR	C
METHACRYLONITRILE	3.8	U	
METHYL IODIDE	3.8	U	
METHYL METHACRYLATE	3.8	U	
METHYLENE CHLORIDE	3.8	U	
PROPIONITRILE	7.5	U	
STYRENE	3.8	U	
TETRACHLOROETHENE	3.8	U	
TOLUENE	3.8	U	
TOTAL 1,2-DICHLOROETHENE	3.8	U	
TOTAL XYLENES	11	U	
TRANS-1,2-DICHLOROETHENE	3.8	U	
TRANS-1,3-DICHLOROPROPENE	3.8	U	
TRANS-1,4-DICHLORO-2-BUTENE	3.8	U	
TRICHLOROETHENE	3.8	U	
TRICHLOROFLUOROMETHANE	7.5	UJ	C
VINYL ACETATE	7.5	U	
VINYL CHLORIDE	7.5	U	

nsample	MPT-1602-SS03-01
samp_date	8/5/2002
lab_id	C2H060115007
qc_type	NM
units	UG/KG
Pct_Solids	94.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	3.7	U	
1,1,1-TRICHLOROETHANE	3.7	U	
1,1,2,2-TETRACHLOROETHANE	3.7	U	
1,1,2-TRICHLOROETHANE	3.7	U	
1,1-DICHLOROETHANE	3.7	U	
1,1-DICHLOROETHENE	3.7	U	
1,2,3-TRICHLOROPROPANE	3.7	U	
1,2-DIBROMO-3-CHLOROPROPANE	7.4	U	
1,2-DIBROMOETHANE	3.7	U	
1,2-DICHLOROBENZENE	3.7	U	
1,2-DICHLOROETHANE	3.7	UJ	C
1,2-DICHLOROPROPANE	3.7	U	
1,3-DICHLOROBENZENE	3.7	U	
1,4-DICHLOROBENZENE	3.7	U	
1,4-DIOXANE	740	UR	C
2-BUTANONE	15	UJ	C
2-CHLOROETHYL VINYL ETHER	7.4	U	
2-HEXANONE	15	U	
3-CHLOROPROPENE	3.7	U	
4-METHYL-2-PENTANONE	15	U	
ACETONE	5.2	J	CP
ACETONITRILE	74	UR	C
ACROLEIN	74	UR	C
ACRYLONITRILE	74	U	
BENZENE	3.7	U	
BROMODICHLOROMETHANE	3.7	U	
BROMOFORM	3.7	U	
BROMOMETHANE	7.4	UR	C
CARBON DISULFIDE	3.7	U	
CARBON TETRACHLORIDE	3.7	U	

PROJ_NO: 2129

SDG: 60115 MEDIA: SOIL DATA FRACTION: OV

nsample	MPT-1602-SS03-01
samp_date	8/5/2002
lab_id	C2H060115007
qc_type	NM
units	UG/KG
Pct_Solids	94.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CHLOROBENZENE	3.7	U	
CHLORODIBROMOMETHANE	3.7	U	
CHLOROETHANE	7.4	U	
CHLOROFORM	3.7	U	
CHLOROMETHANE	7.4	U	
CHLOROPRENE	3.7	U	
CIS-1,2-DICHLOROETHENE	3.7	U	
CIS-1,3-DICHLOROPROPENE	3.7	U	
DIBROMOMETHANE	3.7	U	
DICHLORODIFLUOROMETHANE	7.4	U	
ETHYL METHACRYLATE	3.7	U	
ETHYLBENZENE	3.7	U	
ISOBUTANOL	300	UR	C
METHACRYLONITRILE	3.7	U	
METHYL IODIDE	3.7	U	
METHYL METHACRYLATE	3.7	U	
METHYLENE CHLORIDE	3.7	U	
PROPIONITRILE	7.4	U	
STYRENE	3.7	U	
TETRACHLOROETHENE	3.7	U	
TOLUENE	3.7	U	
TOTAL 1,2-DICHLOROETHENE	3.7	U	
TOTAL XYLENES	11	U	
TRANS-1,2-DICHLOROETHENE	3.7	U	
TRANS-1,3-DICHLOROPROPENE	3.7	U	
TRANS-1,4-DICHLORO-2-BUTENE	3.7	U	
TRICHLOROETHENE	3.7	U	
TRICHLOROFLUOROMETHANE	7.4	UJ	C
VINYL ACETATE	7.4	U	
VINYL CHLORIDE	7.4	U	

nsample	MPT-1602-SS04-01
samp_date	8/5/2002
lab_id	C2H060115003
qc_type	NM
units	UG/KG
Pct_Solids	94.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	3.7	U	
1,1,1-TRICHLOROETHANE	3.7	U	
1,1,2,2-TETRACHLOROETHANE	3.7	U	
1,1,2-TRICHLOROETHANE	3.7	U	
1,1-DICHLOROETHANE	3.7	U	
1,1-DICHLOROETHENE	3.7	U	
1,2,3-TRICHLOROPROPANE	3.7	U	
1,2-DIBROMO-3-CHLOROPROPANE	7.3	U	
1,2-DIBROMOETHANE	3.7	U	
1,2-DICHLOROBENZENE	3.7	U	
1,2-DICHLOROETHANE	3.7	UJ	C
1,2-DICHLOROPROPANE	3.7	U	
1,3-DICHLOROBENZENE	3.7	U	
1,4-DICHLOROBENZENE	3.7	U	
1,4-DIOXANE	730	UR	C
2-BUTANONE	0.91	J	CP
2-CHLOROETHYL VINYL ETHER	7.3	U	
2-HEXANONE	15	U	
3-CHLOROPROPENE	3.7	U	
4-METHYL-2-PENTANONE	15	U	
ACETONE	4.6	J	CP
ACETONITRILE	73	UR	C
ACROLEIN	73	UR	C
ACRYLONITRILE	73	U	
BENZENE	3.7	U	
BROMODICHLOROMETHANE	3.7	U	
BROMOFORM	3.7	U	
BROMOMETHANE	7.3	UR	C
CARBON DISULFIDE	3.7	U	
CARBON TETRACHLORIDE	3.7	U	

nsample	MPT-1602-SS04-01
samp_date	8/5/2002
lab_id	C2H060115003
qc_type	NM
units	UG/KG
Pct_Solids	94.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CHLOROBENZENE	3.7	U	
CHLORODIBROMOMETHANE	3.7	U	
CHLOROETHANE	7.3	U	
CHLOROFORM	3.7	U	
CHLOROMETHANE	7.3	U	
CHLOROPRENE	3.7	U	
CIS-1,2-DICHLOROETHENE	3.7	U	
CIS-1,3-DICHLOROPROPENE	3.7	U	
DIBROMOMETHANE	3.7	U	
DICHLORODIFLUOROMETHANE	7.3	U	
ETHYL METHACRYLATE	3.7	U	
ETHYLBENZENE	3.7	U	
ISOBUTANOL	290	UR	C
METHACRYLONITRILE	3.7	U	
METHYL IODIDE	3.7	U	
METHYL METHACRYLATE	3.7	U	
METHYLENE CHLORIDE	3.7	U	
PROPIONITRILE	7.3	U	
STYRENE	3.7	U	
TETRACHLOROETHENE	3.7	U	
TOLUENE	3.7	U	
TOTAL 1,2-DICHLOROETHENE	3.7	U	
TOTAL XYLENES	11	U	
TRANS-1,2-DICHLOROETHENE	3.7	U	
TRANS-1,3-DICHLOROPROPENE	3.7	U	
TRANS-1,4-DICHLORO-2-BUTENE	3.7	U	
TRICHLOROETHENE	3.7	U	
TRICHLOROFLUOROMETHANE	7.3	UJ	C
VINYL ACETATE	7.3	U	
VINYL CHLORIDE	7.3	U	

PROJ_NO: 2129

SDG: 60115 MEDIA: SOIL DATA FRACTION: OS

nsample	MPT-1602-SB01-05	nsample	MPT-1602-SB01-05	nsample	MPT-1602-SB01-05
samp_date	8/5/2002	samp_date	8/5/2002	samp_date	8/5/2002
lab_id	C2H060115002	lab_id	C2H060115002	lab_id	C2H060115002
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	89	Pct_Solids	89	Pct_Solids	89
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4,5-TETRACHLOROBENZENE	370	U	
1,2,4-TRICHLOROBENZENE	370	U	
1,3,5-TRINITROBENZENE	1800	U	
1,3-DINITROBENZENE	370	U	
1,4-NAPHTHOQUINONE	1800	U	
1,4-PHENYLENEDIAMINE	7400	U	
1-NAPHTHYLAMINE	370	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	370	U	
2,3,4,6-TETRACHLOROPHENOL	370	U	
2,4,5-TRICHLOROPHENOL	370	U	
2,4,6-TRICHLOROPHENOL	370	U	
2,4-DICHLOROPHENOL	370	U	
2,4-DIMETHYLPHENOL	370	U	
2,4-DINITROPHENOL	1800	UJ	C
2,4-DINITROTOLUENE	370	U	
2,6-DICHLOROPHENOL	370	U	
2,6-DINITROTOLUENE	370	U	
2-ACETYLAMINOFLUORENE	740	U	
2-CHLORONAPHTHALENE	370	U	
2-CHLOROPHENOL	370	U	
2-METHYLNAPHTHALENE	370	U	
2-METHYLPHENOL	370	U	
2-NAPHTHYLAMINE	370	UJ	C
2-NITROANILINE	1800	U	
2-NITROPHENOL	370	U	
2-PICOLINE	740	UJ	C
3&4-METHYLPHENOL	740	U	
3,3'-DICHLOROBENZIDINE	1800	U	
3,3'-DIMETHYLBENZIDINE	1800	U	
3-METHYLCHOLANTHRENE	1800	U	

Parameter	Result	Val Qual	Qual Code
3-NITROANILINE	1800	U	
4,6-DINITRO-2-METHYLPHENOL	1800	U	
4-AMINOBIPHENYL	1800	U	
4-BROMOPHENYL PHENYL ETHER	370	U	
4-CHLORO-3-METHYLPHENOL	370	U	
4-CHLOROANILINE	370	U	
4-CHLOROPHENYL PHENYL ETHER	370	U	
4-METHYLPHENOL	370	U	
4-NITROANILINE	1800	U	
4-NITROPHENOL	1800	U	
4-NITROQUINOLINE-1-OXIDE	3700	U	
5-NITRO-O-TOLUIDINE	740	U	
7,12-DIMETHYLBENZ(A)ANTHRACENE	740	U	
ACENAPHTHENE	370	U	
ACENAPHTHYLENE	370	U	
ACETOPHENONE	370	U	
ANILINE	370	U	
ANTHRACENE	370	U	
ARAMITE	1800	U	
BENZO(A)ANTHRACENE	370	U	
BENZO(A)PYRENE	370	U	
BENZO(B)FLUORANTHENE	370	U	
BENZO(G,H,I)PERYLENE	370	U	
BENZO(K)FLUORANTHENE	370	U	
BENZYL ALCOHOL	370	U	
BIS(2-CHLOROETHOXY)METHANE	370	U	
BIS(2-CHLOROETHYL)ETHER	370	U	
BIS(2-ETHYLHEXYL)PHTHALATE	370	U	
BUTYL BENZYL PHTHALATE	370	U	
CARBAZOLE	370	U	

Parameter	Result	Val Qual	Qual Code
CHRYSENE	370	U	
DI-N-BUTYL PHTHALATE	370	U	
DI-N-OCTYL PHTHALATE	370	U	
DIBENZO(A,H)ANTHRACENE	370	U	
DIBENZOFURAN	370	U	
DIETHYL PHTHALATE	170	J	P
DIMETHYL PHTHALATE	370	U	
DIPHENYLAMINE	370	U	
ETHYL METHANE SULFONATE	370	UJ	C
FLUORANTHENE	370	U	
FLUORENE	370	U	
HEXACHLOROBENZENE	370	U	
HEXACHLOROBUTADIENE	370	U	
HEXACHLOROCYCLOPENTADIENE	1800	U	
HEXACHLOROETHANE	370	U	
HEXACHLOROPROPENE	3700	UJ	C
INDENO(1,2,3-CD)PYRENE	370	U	
ISOPHORONE	370	U	
ISOSAFROLE	740	U	
METHAPYRILENE	1800	UJ	C
METHYL METHANE SULFONATE	370	U	
N-NITROSO-DI-N-BUTYLAMINE	370	U	
N-NITROSO-DI-N-PROPYLAMINE	370	U	
N-NITROSODIETHYLAMINE	370	UJ	C
N-NITROSODIMETHYLAMINE	370	UJ	C
N-NITROSODIPHENYLAMINE	370	U	
N-NITROSOMETHYLETHYLAMINE	370	UJ	C
N-NITROSOMORPHOLINE	370	U	
N-NITROSOPYRROLIDINE	370	U	
NAPHTHALENE	370	U	

PROJ_NO: 2129

SDG: 60115 MEDIA: SOIL DATA FRACTION: OS

nsample	MPT-1602-SB01-05
samp_date	8/5/2002
lab_id	C2H060115002
qc_type	NM
units	UG/KG
Pct_Solids	89
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
NITROBENZENE	370	U	
O-TOLUIDINE	740	U	
P-(DIMETHYLAMINO)AZOBENZENE	740	U	
PENTACHLOROBENZENE	370	U	
PENTACHLOROETHANE	23	J	P
PENTACHLORONITROBENZENE	1800	UJ	C
PENTACHLOROPHENOL	1800	U	
PHENACETIN	740	U	
PHENANTHRENE	370	U	
PHENOL	370	U	
PRONAMIDE	740	U	
PYRENE	370	U	
PYRIDINE	740	UJ	C
SAFROLE	740	U	
SULFOTEPP	1800	UJ	C
THIONAZIN	1800	U	

nsample	MPT-1602-SB02-05
samp_date	8/5/2002
lab_id	C2H060115006
qc_type	NM
units	UG/KG
Pct_Solids	92.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4,5-TETRACHLOROBENZENE	360	U	
1,2,4-TRICHLOROBENZENE	360	U	
1,3,5-TRINITROBENZENE	1700	U	
1,3-DINITROBENZENE	360	U	
1,4-NAPHTHOQUINONE	1700	U	
1,4-PHENYLENEDIAMINE	7100	U	
1-NAPHTHYLAMINE	360	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	360	U	
2,3,4,6-TETRACHLOROPHENOL	360	U	
2,4,5-TRICHLOROPHENOL	360	U	
2,4,6-TRICHLOROPHENOL	360	U	
2,4-DICHLOROPHENOL	360	U	
2,4-DIMETHYLPHENOL	360	U	
2,4-DINITROPHENOL	1700	UJ	C
2,4-DINITROTOLUENE	360	U	
2,6-DICHLOROPHENOL	360	U	
2,6-DINITROTOLUENE	360	U	
2-ACETYLAMINOFLUORENE	710	U	
2-CHLORONAPHTHALENE	360	U	
2-CHLOROPHENOL	360	U	
2-METHYLNAPHTHALENE	360	U	
2-METHYLPHENOL	360	U	
2-NAPHTHYLAMINE	360	UJ	C
2-NITROANILINE	1700	U	
2-NITROPHENOL	360	U	
2-PICOLINE	710	UJ	C
3&4-METHYLPHENOL	710	U	
3,3'-DICHLOROBENZIDINE	1700	U	
3,3'-DIMETHYLBENZIDINE	1700	U	
3-METHYLCHOLANTHRENE	1700	U	

nsample	MPT-1602-SB02-05
samp_date	8/5/2002
lab_id	C2H060115006
qc_type	NM
units	UG/KG
Pct_Solids	92.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
3-NITROANILINE	1700	U	
4,6-DINITRO-2-METHYLPHENOL	1700	U	
4-AMINOBIPHENYL	1700	U	
4-BROMOPHENYL PHENYL ETHER	360	U	
4-CHLORO-3-METHYLPHENOL	360	U	
4-CHLOROANILINE	360	U	
4-CHLOROPHENYL PHENYL ETHER	360	U	
4-METHYLPHENOL	360	U	
4-NITROANILINE	1700	U	
4-NITROPHENOL	1700	U	
4-NITROQUINOLINE-1-OXIDE	3600	U	
5-NITRO-O-TOLUIDINE	710	U	
7,12-DIMETHYLBENZ(A)ANTHRACENE	710	U	
ACENAPHTHENE	360	U	
ACENAPHTHYLENE	360	U	
ACETOPHENONE	360	U	
ANILINE	360	U	
ANTHRACENE	360	U	
ARAMITE	1700	U	
BENZO(A)ANTHRACENE	360	U	
BENZO(A)PYRENE	360	U	
BENZO(B)FLUORANTHENE	360	U	
BENZO(G,H,I)PERYLENE	360	U	
BENZO(K)FLUORANTHENE	360	U	
BENZYL ALCOHOL	360	U	
BIS(2-CHLOROETHOXY)METHANE	360	U	
BIS(2-CHLOROETHYL)ETHER	360	U	
BIS(2-ETHYLHEXYL)PHTHALATE	360	U	
BUTYL BENZYL PHTHALATE	360	U	
CARBAZOLE	360	U	

PROJ_NO: 2129

SDG: 60115 MEDIA: SOIL DATA FRACTION: OS

nsample	MPT-1602-SB02-05
samp_date	8/5/2002
lab_id	C2H060115006
qc_type	NM
units	UG/KG
Pct_Solids	92.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CHRYSENE	360	U	
DI-N-BUTYL PHTHALATE	360	U	
DI-N-OCTYL PHTHALATE	360	U	
DIBENZO(A,H)ANTHRACENE	360	U	
DIBENZOFURAN	360	U	
DIETHYL PHTHALATE	180	J	P
DIMETHYL PHTHALATE	360	U	
DIPHENYLAMINE	360	U	
ETHYL METHANE SULFONATE	360	UJ	C
FLUORANTHENE	360	U	
FLUORENE	360	U	
HEXACHLOROBENZENE	360	U	
HEXACHLOROBUTADIENE	360	U	
HEXACHLOROCYCLOPENTADIENE	1700	U	
HEXACHLOROETHANE	360	U	
HEXACHLOROPROPENE	3600	UJ	C
INDENO(1,2,3-CD)PYRENE	360	U	
ISOPHORONE	360	U	
ISOSAFROLE	710	U	
METHAPYRILENE	1700	UJ	C
METHYL METHANE SULFONATE	360	U	
N-NITROSO-DI-N-BUTYLAMINE	360	U	
N-NITROSO-DI-N-PROPYLAMINE	360	U	
N-NITROSODIETHYLAMINE	360	UJ	C
N-NITROSODIMETHYLAMINE	360	UJ	C
N-NITROSODIPHENYLAMINE	360	U	
N-NITROSOMETHYLETHYLAMINE	360	UJ	C
N-NITROSOMORPHOLINE	360	U	
N-NITROSOPYRROLIDINE	360	U	
NAPHTHALENE	360	U	

nsample	MPT-1602-SB02-05
samp_date	8/5/2002
lab_id	C2H060115006
qc_type	NM
units	UG/KG
Pct_Solids	92.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
NITROBENZENE	360	U	
O-TOLUIDINE	710	U	
P-(DIMETHYLAMINO)AZOBENZENE	710	U	
PENTACHLOROBENZENE	360	U	
PENTACHLOROETHANE	47	J	P
PENTACHLORONITROBENZENE	1700	UJ	C
PENTACHLOROPHENOL	1700	U	
PHENACETIN	710	U	
PHENANTHRENE	360	U	
PHENOL	360	U	
PRONAMIDE	710	U	
PYRENE	360	U	
PYRIDINE	710	UJ	C
SAFROLE	710	U	
SULFOTEPP	1700	UJ	C
THIONAZIN	1700	U	

nsample	MPT-1602-SB03-05
samp_date	8/5/2002
lab_id	C2H060115008
qc_type	NM
units	UG/KG
Pct_Solids	88
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4,5-TETRACHLOROBENZENE	380	U	
1,2,4-TRICHLOROBENZENE	380	U	
1,3,5-TRINITROBENZENE	1800	U	
1,3-DINITROBENZENE	380	U	
1,4-NAPHTHOQUINONE	1800	U	
1,4-PHENYLENEDIAMINE	7500	U	
1-NAPHTHYLAMINE	380	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	380	U	
2,3,4,6-TETRACHLOROPHENOL	380	U	
2,4,5-TRICHLOROPHENOL	380	U	
2,4,6-TRICHLOROPHENOL	380	U	
2,4-DICHLOROPHENOL	380	U	
2,4-DIMETHYLPHENOL	380	U	
2,4-DINITROPHENOL	1800	UJ	C
2,4-DINITROTOLUENE	380	U	
2,6-DICHLOROPHENOL	380	U	
2,6-DINITROTOLUENE	380	U	
2-ACETYLAMINOFLUORENE	750	U	
2-CHLORONAPHTHALENE	380	U	
2-CHLOROPHENOL	380	U	
2-METHYLNAPHTHALENE	380	U	
2-METHYLPHENOL	380	U	
2-NAPHTHYLAMINE	380	UJ	C
2-NITROANILINE	1800	U	
2-NITROPHENOL	380	U	
2-PICOLINE	750	UJ	C
3&4-METHYLPHENOL	750	U	
3,3'-DICHLOROBENZIDINE	1800	U	
3,3'-DIMETHYLBENZIDINE	1800	U	
3-METHYLCHOLANTHRENE	1800	U	

PROJ_NO: 2129

SDG: 60115 MEDIA: SOIL DATA FRACTION: OS

nsample	MPT-1602-SB03-05
samp_date	8/5/2002
lab_id	C2H060115008
qc_type	NM
units	UG/KG
Pct_Solids	88
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
3-NITROANILINE	1800	U	
4,6-DINITRO-2-METHYLPHENOL	1800	U	
4-AMINOBIPHENYL	1800	U	
4-BROMOPHENYL PHENYL ETHER	380	U	
4-CHLORO-3-METHYLPHENOL	380	U	
4-CHLOROANILINE	380	U	
4-CHLOROPHENYL PHENYL ETHER	380	U	
4-METHYLPHENOL	380	U	
4-NITROANILINE	1800	U	
4-NITROPHENOL	1800	U	
4-NITROQUINOLINE-1-OXIDE	3800	U	
5-NITRO-O-TOLUIDINE	750	U	
7,12-DIMETHYLBENZ(A)ANTHRACENE	750	U	
ACENAPHTHENE	380	U	
ACENAPHTHYLENE	380	U	
ACETOPHENONE	380	U	
ANILINE	380	U	
ANTHRACENE	380	U	
ARAMITE	1800	U	
BENZO(A)ANTHRACENE	380	U	
BENZO(A)PYRENE	380	U	
BENZO(B)FLUORANTHENE	380	U	
BENZO(G,H,I)PERYLENE	380	U	
BENZO(K)FLUORANTHENE	380	U	
BENZYL ALCOHOL	380	U	
BIS(2-CHLOROETHOXY)METHANE	380	U	
BIS(2-CHLOROETHYL)ETHER	380	U	
BIS(2-ETHYLHEXYL)PHTHALATE	380	U	
BUTYL BENZYL PHTHALATE	380	U	
CARBAZOLE	380	U	

nsample	MPT-1602-SB03-05
samp_date	8/5/2002
lab_id	C2H060115008
qc_type	NM
units	UG/KG
Pct_Solids	88
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CHRYSENE	380	U	
DI-N-BUTYL PHTHALATE	380	U	
DI-N-OCTYL PHTHALATE	380	U	
DIBENZO(A,H)ANTHRACENE	380	U	
DIBENZOFURAN	380	U	
DIETHYL PHTHALATE	380	U	
DIMETHYL PHTHALATE	380	U	
DIPHENYLAMINE	380	U	
ETHYL METHANE SULFONATE	380	UJ	C
FLUORANTHENE	380	U	
FLUORENE	380	U	
HEXACHLOROBENZENE	380	U	
HEXACHLOROBUTADIENE	380	U	
HEXACHLOROCYCLOPENTADIENE	1800	U	
HEXACHLOROETHANE	380	U	
HEXACHLOROPROPENE	3800	UJ	C
INDENO(1,2,3-CD)PYRENE	380	U	
ISOPHORONE	380	U	
ISOSAFROLE	750	U	
METHAPYRILENE	1800	UJ	C
METHYL METHANE SULFONATE	380	U	
N-NITROSO-DI-N-BUTYLAMINE	380	U	
N-NITROSO-DI-N-PROPYLAMINE	380	U	
N-NITROSODIETHYLAMINE	380	UJ	C
N-NITROSODIMETHYLAMINE	380	UJ	C
N-NITROSODIPHENYLAMINE	380	U	
N-NITROSOMETHYLETHYLAMINE	380	UJ	C
N-NITROSOMORPHOLINE	380	U	
N-NITROSOPYRROLIDINE	380	U	
NAPHTHALENE	380	U	

nsample	MPT-1602-SB03-05
samp_date	8/5/2002
lab_id	C2H060115008
qc_type	NM
units	UG/KG
Pct_Solids	88
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
NITROBENZENE	380	U	
O-TOLUIDINE	750	U	
P-(DIMETHYLAMINO)AZOBENZENE	750	U	
PENTACHLOROBENZENE	380	U	
PENTACHLOROETHANE	55	J	P
PENTACHLORONITROBENZENE	1800	UJ	C
PENTACHLOROPHENOL	1800	U	
PHENACETIN	750	U	
PHENANTHRENE	380	U	
PHENOL	380	U	
PRONAMIDE	750	U	
PYRENE	380	U	
PYRIDINE	750	UJ	C
SAFROLE	750	U	
SULFOTEPP	1800	UJ	C
THIONAZIN	1800	U	

PROJ_NO: 2129

SDG: 60115 MEDIA: SOIL DATA FRACTION: OS

nsample	MPT-1602-SB04-05
samp_date	8/5/2002
lab_id	C2H060115004
qc_type	NM
units	UG/KG
Pct_Solids	92.7
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4,5-TETRACHLOROBENZENE	360	U	
1,2,4-TRICHLOROBENZENE	360	U	
1,3,5-TRINITROBENZENE	1700	U	
1,3-DINITROBENZENE	360	U	
1,4-NAPHTHOQUINONE	1700	U	
1,4-PHENYLENEDIAMINE	7100	U	
1-NAPHTHYLAMINE	360	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	360	U	
2,3,4,6-TETRACHLOROPHENOL	360	U	
2,4,5-TRICHLOROPHENOL	360	U	
2,4,6-TRICHLOROPHENOL	360	U	
2,4-DICHLOROPHENOL	360	U	
2,4-DIMETHYLPHENOL	360	U	
2,4-DINITROPHENOL	1700	UJ	C
2,4-DINITROTOLUENE	360	U	
2,6-DICHLOROPHENOL	360	U	
2,6-DINITROTOLUENE	360	U	
2-ACETYLAMINOFLUORENE	710	U	
2-CHLORONAPHTHALENE	360	U	
2-CHLOROPHENOL	360	U	
2-METHYLNAPHTHALENE	360	U	
2-METHYLPHENOL	360	U	
2-NAPHTHYLAMINE	360	UJ	C
2-NITROANILINE	1700	U	
2-NITROPHENOL	360	U	
2-PICOLINE	710	UJ	C
3&4-METHYLPHENOL	710	U	
3,3'-DICHLOROBENZIDINE	1700	U	
3,3'-DIMETHYLBENZIDINE	1700	U	
3-METHYLCHOLANTHRENE	1700	U	

nsample	MPT-1602-SB04-05
samp_date	8/5/2002
lab_id	C2H060115004
qc_type	NM
units	UG/KG
Pct_Solids	92.7
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
3-NITROANILINE	1700	U	
4,6-DINITRO-2-METHYLPHENOL	1700	U	
4-AMINOBIPHENYL	1700	U	
4-BROMOPHENYL PHENYL ETHER	360	U	
4-CHLORO-3-METHYLPHENOL	360	U	
4-CHLOROANILINE	360	U	
4-CHLOROPHENYL PHENYL ETHER	360	U	
4-METHYLPHENOL	360	U	
4-NITROANILINE	1700	U	
4-NITROPHENOL	1700	U	
4-NITROQUINOLINE-1-OXIDE	3600	U	
5-NITRO-O-TOLUIDINE	710	U	
7,12-DIMETHYLBENZ(A)ANTHRACENE	710	U	
ACENAPHTHENE	360	U	
ACENAPHTHYLENE	360	U	
ACETOPHENONE	360	U	
ANILINE	360	U	
ANTHRACENE	360	U	
ARAMITE	1700	U	
BENZO(A)ANTHRACENE	360	U	
BENZO(A)PYRENE	360	U	
BENZO(B)FLUORANTHENE	360	U	
BENZO(G,H,I)PERYLENE	360	U	
BENZO(K)FLUORANTHENE	360	U	
BENZYL ALCOHOL	360	U	
BIS(2-CHLOROETHOXY)METHANE	360	U	
BIS(2-CHLOROETHYL)ETHER	360	U	
BIS(2-ETHYLHEXYL)PHTHALATE	360	U	
BUTYL BENZYL PHTHALATE	360	U	
CARBAZOLE	360	U	

nsample	MPT-1602-SB04-05
samp_date	8/5/2002
lab_id	C2H060115004
qc_type	NM
units	UG/KG
Pct_Solids	92.7
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CHRYSENE	360	U	
DI-N-BUTYL PHTHALATE	360	U	
DI-N-OCTYL PHTHALATE	360	U	
DIBENZO(A,H)ANTHRACENE	360	U	
DIBENZOFURAN	360	U	
DIETHYL PHTHALATE	160	J	P
DIMETHYL PHTHALATE	360	U	
DIPHENYLAMINE	360	U	
ETHYL METHANE SULFONATE	360	UJ	C
FLUORANTHENE	360	U	
FLUORENE	360	U	
HEXACHLOROBENZENE	360	U	
HEXACHLOROBUTADIENE	360	U	
HEXACHLOROCYCLOPENTADIENE	1700	U	
HEXACHLOROETHANE	360	U	
HEXACHLOROPROPENE	3600	UJ	C
INDENO(1,2,3-CD)PYRENE	360	U	
ISOPHORONE	360	U	
ISOSAFROLE	710	U	
METHAPYRILENE	1700	UJ	C
METHYL METHANE SULFONATE	360	U	
N-NITROSO-DI-N-BUTYLAMINE	360	U	
N-NITROSO-DI-N-PROPYLAMINE	360	U	
N-NITROSODIETHYLAMINE	360	UJ	C
N-NITROSODIMETHYLAMINE	360	UJ	C
N-NITROSODIPHENYLAMINE	360	U	
N-NITROSOMETHYLETHYLAMINE	360	UJ	C
N-NITROSOMORPHOLINE	360	U	
N-NITROSOPYRROLIDINE	360	U	
NAPHTHALENE	360	U	

PROJ_NO: 2129

SDG: 60115 MEDIA: SOIL DATA FRACTION: OS

nsample	MPT-1602-SB04-05
samp_date	8/5/2002
lab_id	C2H060115004
qc_type	NM
units	UG/KG
Pct_Solids	92.7
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
NITROBENZENE	360	U	
O-TOLUIDINE	710	U	
P-(DIMETHYLAMINO)AZOBENZENE	710	U	
PENTACHLOROBENZENE	360	U	
PENTACHLOROETHANE	48	J	P
PENTACHLORONITROBENZENE	1700	UJ	C
PENTACHLOROPHENOL	1700	U	
PHENACETIN	710	U	
PHENANTHRENE	360	U	
PHENOL	360	U	
PRONAMIDE	710	U	
PYRENE	360	U	
PYRIDINE	710	UJ	C
SAFROLE	710	U	
SULFOTEPP	1700	UJ	C
THIONAZIN	1700	U	

nsample	MPT-1602-SBDUP01-05
samp_date	8/5/2002
lab_id	C2H060115009
qc_type	NM
units	UG/KG
Pct_Solids	89
DUP_OF:	MPT-1602-SB02-05

Parameter	Result	Val Qual	Qual Code
1,2,4,5-TETRACHLOROBENZENE	370	U	
1,2,4-TRICHLOROBENZENE	370	U	
1,3,5-TRINITROBENZENE	1800	U	
1,3-DINITROBENZENE	370	U	
1,4-NAPHTHOQUINONE	1800	U	
1,4-PHENYLENEDIAMINE	7400	U	
1-NAPHTHYLAMINE	370	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	370	U	
2,3,4,6-TETRACHLOROPHENOL	370	U	
2,4,5-TRICHLOROPHENOL	370	U	
2,4,6-TRICHLOROPHENOL	370	U	
2,4-DICHLOROPHENOL	370	U	
2,4-DIMETHYLPHENOL	370	U	
2,4-DINITROPHENOL	1800	UJ	C
2,4-DINITROTOLUENE	370	U	
2,6-DICHLOROPHENOL	370	U	
2,6-DINITROTOLUENE	370	U	
2-ACETYLAMINOFLUORENE	740	U	
2-CHLORONAPHTHALENE	370	U	
2-CHLOROPHENOL	370	U	
2-METHYLNAPHTHALENE	370	U	
2-METHYLPHENOL	370	U	
2-NAPHTHYLAMINE	370	UJ	C
2-NITROANILINE	1800	U	
2-NITROPHENOL	370	U	
2-PICOLINE	740	UJ	C
3&4-METHYLPHENOL	740	U	
3,3'-DICHLOROBENZIDINE	1800	U	
3,3'-DIMETHYLBENZIDINE	1800	U	
3-METHYLCHOLANTHRENE	1800	U	

nsample	MPT-1602-SBDUP01-05
samp_date	8/5/2002
lab_id	C2H060115009
qc_type	NM
units	UG/KG
Pct_Solids	89
DUP_OF:	MPT-1602-SB02-05

Parameter	Result	Val Qual	Qual Code
3-NITROANILINE	1800	U	
4,6-DINITRO-2-METHYLPHENOL	1800	U	
4-AMINOBIPHENYL	1800	U	
4-BROMOPHENYL PHENYL ETHER	370	U	
4-CHLORO-3-METHYLPHENOL	370	U	
4-CHLOROANILINE	370	U	
4-CHLOROPHENYL PHENYL ETHER	370	U	
4-METHYLPHENOL	370	U	
4-NITROANILINE	1800	U	
4-NITROPHENOL	1800	U	
4-NITROQUINOLINE-1-OXIDE	3700	U	
5-NITRO-O-TOLUIDINE	740	U	
7,12-DIMETHYLBENZ(A)ANTHRACENE	740	U	
ACENAPHTHENE	370	U	
ACENAPHTHYLENE	370	U	
ACETOPHENONE	370	U	
ANILINE	370	U	
ANTHRACENE	370	U	
ARAMITE	1800	U	
BENZO(A)ANTHRACENE	370	U	
BENZO(A)PYRENE	370	U	
BENZO(B)FLUORANTHENE	370	U	
BENZO(G,H,I)PERYLENE	370	U	
BENZO(K)FLUORANTHENE	370	U	
BENZYL ALCOHOL	370	U	
BIS(2-CHLOROETHOXY)METHANE	370	U	
BIS(2-CHLOROETHYL)ETHER	370	U	
BIS(2-ETHYLHEXYL)PHTHALATE	370	U	
BUTYL BENZYL PHTHALATE	370	U	
CARBAZOLE	370	U	

PROJ_NO: 2129

SDG: 60115 MEDIA: SOIL DATA FRACTION: OS

nsample	MPT-1602-SBDUP01-05
samp_date	8/5/2002
lab_id	C2H060115009
qc_type	NM
units	UG/KG
Pct_Solids	89
DUP_OF:	MPT-1602-SB02-05

Parameter	Result	Val Qual	Qual Code
CHRYSENE	370	U	
DI-N-BUTYL PHTHALATE	370	U	
DI-N-OCTYL PHTHALATE	370	U	
DIBENZO(A,H)ANTHRACENE	370	U	
DIBENZOFURAN	370	U	
DIETHYL PHTHALATE	300	J	P
DIMETHYL PHTHALATE	370	U	
DIPHENYLAMINE	370	U	
ETHYL METHANE SULFONATE	370	UJ	C
FLUORANTHENE	370	U	
FLUORENE	370	U	
HEXACHLOROBENZENE	370	U	
HEXACHLOROBUTADIENE	370	U	
HEXACHLOROCYCLOPENTADIENE	1800	U	
HEXACHLOROETHANE	370	U	
HEXACHLOROPROPENE	3700	UJ	C
INDENO(1,2,3-CD)PYRENE	370	U	
ISOPHORONE	370	U	
ISOSAFROLE	740	U	
METHAPYRILENE	1800	UJ	C
METHYL METHANE SULFONATE	370	U	
N-NITROSO-DI-N-BUTYLAMINE	370	U	
N-NITROSO-DI-N-PROPYLAMINE	370	U	
N-NITROSODIETHYLAMINE	370	UJ	C
N-NITROSODIMETHYLAMINE	370	UJ	C
N-NITROSODIPHENYLAMINE	370	U	
N-NITROSOMETHYLETHYLAMINE	370	UJ	C
N-NITROSOMORPHOLINE	370	U	
N-NITROSOPYRROLIDINE	370	U	
NAPHTHALENE	370	U	

nsample	MPT-1602-SBDUP01-05
samp_date	8/5/2002
lab_id	C2H060115009
qc_type	NM
units	UG/KG
Pct_Solids	89
DUP_OF:	MPT-1602-SB02-05

Parameter	Result	Val Qual	Qual Code
NITROBENZENE	370	U	
O-TOLUIDINE	740	U	
P-(DIMETHYLAMINO)AZOBENZENE	740	U	
PENTACHLOROBENZENE	370	U	
PENTACHLOROETHANE	29	J	P
PENTACHLORONITROBENZENE	1800	UJ	C
PENTACHLOROPHENOL	1800	U	
PHENACETIN	740	U	
PHENANTHRENE	370	U	
PHENOL	370	U	
PRONAMIDE	740	U	
PYRENE	370	U	
PYRIDINE	740	UJ	C
SAFROLE	740	U	
SULFOTEPP	1800	UJ	C
THIONAZIN	1800	U	

nsample	MPT-1602-SS01-01
samp_date	8/5/2002
lab_id	C2H060115001
qc_type	NM
units	UG/KG
Pct_Solids	95
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4,5-TETRACHLOROBENZENE	350	U	
1,2,4-TRICHLOROBENZENE	350	U	
1,3,5-TRINITROBENZENE	1700	U	
1,3-DINITROBENZENE	350	U	
1,4-NAPHTHOQUINONE	1700	U	
1,4-PHENYLENEDIAMINE	6900	U	
1-NAPHTHYLAMINE	350	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	350	U	
2,3,4,6-TETRACHLOROPHENOL	350	U	
2,4,5-TRICHLOROPHENOL	350	U	
2,4,6-TRICHLOROPHENOL	350	U	
2,4-DICHLOROPHENOL	350	U	
2,4-DIMETHYLPHENOL	350	U	
2,4-DINITROPHENOL	1700	UJ	C
2,4-DINITROTOLUENE	350	U	
2,6-DICHLOROPHENOL	350	U	
2,6-DINITROTOLUENE	350	U	
2-ACETYLAMINOFLUORENE	690	U	
2-CHLORONAPHTHALENE	350	U	
2-CHLOROPHENOL	350	U	
2-METHYLNAPHTHALENE	350	U	
2-METHYLPHENOL	350	U	
2-NAPHTHYLAMINE	350	UJ	C
2-NITROANILINE	1700	U	
2-NITROPHENOL	350	U	
2-PICOLINE	690	UJ	C
3&4-METHYLPHENOL	690	U	
3,3'-DICHLOROBENZIDINE	1700	U	
3,3'-DIMETHYLBENZIDINE	1700	U	
3-METHYLCHOLANTHRENE	1700	U	

PROJ_NO: 2129

SDG: 60115 MEDIA: SOIL DATA FRACTION: OS

nsample	MPT-1602-SS01-01
samp_date	8/5/2002
lab_id	C2H060115001
qc_type	NM
units	UG/KG
Pct_Solids	95
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
3-NITROANILINE	1700	U	
4,6-DINITRO-2-METHYLPHENOL	1700	U	
4-AMINOBIPHENYL	1700	U	
4-BROMOPHENYL PHENYL ETHER	350	U	
4-CHLORO-3-METHYLPHENOL	350	U	
4-CHLOROANILINE	350	U	
4-CHLOROPHENYL PHENYL ETHER	350	U	
4-NITROANILINE	1700	U	
4-NITROPHENOL	1700	U	
4-NITROQUINOLINE-1-OXIDE	3500	U	
5-NITRO-O-TOLUIDINE	690	U	
7,12-DIMETHYLBENZ(A)ANTHRACENE	690	U	
ACENAPHTHENE	350	U	
ACENAPHTHYLENE	350	U	
ACETOPHENONE	350	U	
ANILINE	350	U	
ANTHRACENE	350	U	
ARAMITE	1700	U	
BENZO(A)ANTHRACENE	350	U	
BENZO(A)PYRENE	350	U	
BENZO(B)FLUORANTHENE	350	U	
BENZO(G,H,I)PERYLENE	350	U	
BENZO(K)FLUORANTHENE	350	U	
BENZYL ALCOHOL	350	U	
BIS(2-CHLOROETHOXY)METHANE	350	U	
BIS(2-CHLOROETHYL)ETHER	350	U	
BIS(2-ETHYLHEXYL)PHTHALATE	350	U	
BUTYL BENZYL PHTHALATE	350	U	
CHRYSENE	350	U	
DI-N-BUTYL PHTHALATE	350	U	

nsample	MPT-1602-SS01-01
samp_date	8/5/2002
lab_id	C2H060115001
qc_type	NM
units	UG/KG
Pct_Solids	95
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
DI-N-OCTYL PHTHALATE	350	U	
DIBENZO(A,H)ANTHRACENE	350	U	
DIBENZOFURAN	350	U	
DIETHYL PHTHALATE	110	J	P
DIMETHYL PHTHALATE	350	U	
DIPHENYLAMINE	350	U	
ETHYL METHANE SULFONATE	350	UJ	C
FLUORANTHENE	350	U	
FLUORENE	350	U	
HEXACHLOROBENZENE	350	U	
HEXACHLOROBUTADIENE	350	U	
HEXACHLOROCYCLOPENTADIENE	1700	U	
HEXACHLOROETHANE	350	U	
HEXACHLOROPROPENE	3500	UJ	C
INDENO(1,2,3-CD)PYRENE	350	U	
ISOPHORONE	350	U	
ISOSAFROLE	690	U	
METHAPYRILENE	1700	UJ	C
METHYL METHANE SULFONATE	350	U	
N-NITROSO-DI-N-BUTYLAMINE	350	U	
N-NITROSO-DI-N-PROPYLAMINE	350	U	
N-NITROSODIETHYLAMINE	350	UJ	C
N-NITROSODIMETHYLAMINE	350	UJ	C
N-NITROSODIPHENYLAMINE	350	U	
N-NITROSOMETHYLETHYLAMINE	350	UJ	C
N-NITROSOMORPHOLINE	350	U	
N-NITROSOPYRROLIDINE	350	U	
NAPHTHALENE	350	U	
NITROBENZENE	350	U	
O-TOLUIDINE	690	U	

nsample	MPT-1602-SS01-01
samp_date	8/5/2002
lab_id	C2H060115001
qc_type	NM
units	UG/KG
Pct_Solids	95
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
P-(DIMETHYLAMINO)AZOBENZENE	690	U	
PENTACHLOROBENZENE	350	U	
PENTACHLOROETHANE	1700	U	
PENTACHLORONITROBENZENE	1700	UJ	C
PENTACHLOROPHENOL	1700	U	
PHENACETIN	690	U	
PHENANTHRENE	350	U	
PHENOL	350	U	
PRONAMIDE	690	U	
PYRENE	350	U	
PYRIDINE	690	UJ	C
SAFROLE	690	U	
SULFOTEPP	1700	UJ	C
THIONAZIN	1700	U	

PROJ_NO: 2129

SDG: 60115 MEDIA: SOIL DATA FRACTION: OS

nsample	MPT-1602-SS02-01	nsample	MPT-1602-SS02-01	nsample	MPT-1602-SS02-01
samp_date	8/5/2002	samp_date	8/5/2002	samp_date	8/5/2002
lab_id	C2H060115005	lab_id	C2H060115005	lab_id	C2H060115005
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	94	Pct_Solids	94	Pct_Solids	94
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4,5-TETRACHLOROBENZENE	350	U	
1,2,4-TRICHLOROBENZENE	350	U	
1,3,5-TRINITROBENZENE	1700	U	
1,3-DINITROBENZENE	350	U	
1,4-NAPHTHOQUINONE	1700	U	
1,4-PHENYLENEDIAMINE	7000	U	
1-NAPHTHYLAMINE	350	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	350	U	
2,3,4,6-TETRACHLOROPHENOL	350	U	
2,4,5-TRICHLOROPHENOL	350	U	
2,4,6-TRICHLOROPHENOL	350	U	
2,4-DICHLOROPHENOL	350	U	
2,4-DIMETHYLPHENOL	350	U	
2,4-DINITROPHENOL	1700	UJ	C
2,4-DINITROTOLUENE	350	U	
2,6-DICHLOROPHENOL	350	U	
2,6-DINITROTOLUENE	350	U	
2-ACETYLAMINOFLUORENE	700	U	
2-CHLORONAPHTHALENE	350	U	
2-CHLOROPHENOL	350	U	
2-METHYLNAPHTHALENE	350	U	
2-METHYLPHENOL	350	U	
2-NAPHTHYLAMINE	350	UJ	C
2-NITROANILINE	1700	U	
2-NITROPHENOL	350	U	
2-PICOLINE	700	UJ	C
3&4-METHYLPHENOL	700	U	
3,3'-DICHLOROBENZIDINE	1700	U	
3,3'-DIMETHYLBENZIDINE	1700	U	
3-METHYLCHOLANTHRENE	1700	U	

Parameter	Result	Val Qual	Qual Code
3-NITROANILINE	1700	U	
4,6-DINITRO-2-METHYLPHENOL	1700	U	
4-AMINOBIPHENYL	1700	U	
4-BROMOPHENYL PHENYL ETHER	350	U	
4-CHLORO-3-METHYLPHENOL	350	U	
4-CHLOROANILINE	350	U	
4-CHLOROPHENYL PHENYL ETHER	350	U	
4-METHYLPHENOL	350	U	
4-NITROANILINE	1700	U	
4-NITROPHENOL	1700	U	
4-NITROQUINOLINE-1-OXIDE	3500	U	
5-NITRO-O-TOLUIDINE	700	U	
7,12-DIMETHYLBENZ(A)ANTHRACENE	700	U	
ACENAPHTHENE	350	U	
ACENAPHTHYLENE	350	U	
ACETOPHENONE	350	U	
ANILINE	350	U	
ANTHRACENE	350	U	
ARAMITE	1700	U	
BENZO(A)ANTHRACENE	350	U	
BENZO(A)PYRENE	350	U	
BENZO(B)FLUORANTHENE	350	U	
BENZO(G,H,I)PERYLENE	350	U	
BENZO(K)FLUORANTHENE	45	J	P
BENZYL ALCOHOL	350	U	
BIS(2-CHLOROETHOXY)METHANE	350	U	
BIS(2-CHLOROETHYL)ETHER	350	U	
BIS(2-ETHYLHEXYL)PHTHALATE	350	U	
BUTYL BENZYL PHTHALATE	350	U	
CARBAZOLE	350	U	

Parameter	Result	Val Qual	Qual Code
CHRYSENE	36	J	P
DI-N-BUTYL PHTHALATE	350	U	
DI-N-OCTYL PHTHALATE	350	U	
DIBENZO(A,H)ANTHRACENE	350	U	
DIBENZOFURAN	350	U	
DIETHYL PHTHALATE	350	U	
DIMETHYL PHTHALATE	350	U	
DIPHENYLAMINE	350	U	
ETHYL METHANE SULFONATE	350	UJ	C
FLUORANTHENE	350	U	
FLUORENE	350	U	
HEXACHLOROBENZENE	350	U	
HEXACHLOROBUTADIENE	350	U	
HEXACHLOROCYCLOPENTADIENE	1700	U	
HEXACHLOROETHANE	350	U	
HEXACHLOROPROPENE	3500	UJ	C
INDENO(1,2,3-CD)PYRENE	350	U	
ISOPHORONE	350	U	
ISOSAFROLE	700	U	
METHAPYRILENE	1700	UJ	C
METHYL METHANE SULFONATE	350	U	
N-NITROSO-DI-N-BUTYLAMINE	350	U	
N-NITROSO-DI-N-PROPYLAMINE	350	U	
N-NITROSODIETHYLAMINE	350	UJ	C
N-NITROSODIMETHYLAMINE	350	UJ	C
N-NITROSODIPHENYLAMINE	350	U	
N-NITROSOMETHYLETHYLAMINE	350	UJ	C
N-NITROSOMORPHOLINE	350	U	
N-NITROSOPYRROLIDINE	350	U	
NAPHTHALENE	350	U	

PROJ_NO: 2129

SDG: 60115 MEDIA: SOIL DATA FRACTION: OS

nsample	MPT-1602-SS02-01
samp_date	8/5/2002
lab_id	C2H060115005
qc_type	NM
units	UG/KG
Pct_Solids	94
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
NITROBENZENE	350	U	
O-TOLUIDINE	700	U	
P-(DIMETHYLAMINO)AZOBENZENE	700	U	
PENTACHLOROBENZENE	350	U	
PENTACHLOROETHANE	53	J	P
PENTACHLORONITROBENZENE	1700	UJ	C
PENTACHLOROPHENOL	1700	U	
PHENACETIN	700	U	
PHENANTHRENE	350	U	
PHENOL	350	U	
PRONAMIDE	700	U	
PYRENE	350	U	
PYRIDINE	700	UJ	C
SAFROLE	700	U	
SULFOTEPP	1700	UJ	C
THIONAZIN	1700	U	

nsample	MPT-1602-SS03-01
samp_date	8/5/2002
lab_id	C2H060115007
qc_type	NM
units	UG/KG
Pct_Solids	94.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4,5-TETRACHLOROBENZENE	350	U	
1,2,4-TRICHLOROBENZENE	350	U	
1,3,5-TRINITROBENZENE	1700	U	
1,3-DINITROBENZENE	350	U	
1,4-NAPHTHOQUINONE	1700	U	
1,4-PHENYLENEDIAMINE	7000	U	
1-NAPHTHYLAMINE	350	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	350	U	
2,3,4,6-TETRACHLOROPHENOL	350	U	
2,4,5-TRICHLOROPHENOL	350	U	
2,4,6-TRICHLOROPHENOL	350	U	
2,4-DICHLOROPHENOL	350	U	
2,4-DIMETHYLPHENOL	350	U	
2,4-DINITROPHENOL	1700	UJ	C
2,4-DINITROTOLUENE	350	U	
2,6-DICHLOROPHENOL	350	U	
2,6-DINITROTOLUENE	350	U	
2-ACETYLAMINOFLUORENE	700	U	
2-CHLORONAPHTHALENE	350	U	
2-CHLOROPHENOL	350	U	
2-METHYLNAPHTHALENE	350	U	
2-METHYLPHENOL	350	U	
2-NAPHTHYLAMINE	350	UJ	C
2-NITROANILINE	1700	U	
2-NITROPHENOL	350	U	
2-PICOLINE	700	UJ	C
3&4-METHYLPHENOL	700	U	
3,3'-DICHLOROBENZIDINE	1700	U	
3,3'-DIMETHYLBENZIDINE	1700	U	
3-METHYLCHOLANTHRENE	1700	U	

nsample	MPT-1602-SS03-01
samp_date	8/5/2002
lab_id	C2H060115007
qc_type	NM
units	UG/KG
Pct_Solids	94.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
3-NITROANILINE	1700	U	
4,6-DINITRO-2-METHYLPHENOL	1700	U	
4-AMINOBIPHENYL	1700	U	
4-BROMOPHENYL PHENYL ETHER	350	U	
4-CHLORO-3-METHYLPHENOL	350	U	
4-CHLOROANILINE	350	U	
4-CHLOROPHENYL PHENYL ETHER	350	U	
4-METHYLPHENOL	350	U	
4-NITROANILINE	1700	U	
4-NITROPHENOL	1700	U	
4-NITROQUINOLINE-1-OXIDE	3500	U	
5-NITRO-O-TOLUIDINE	700	U	
7,12-DIMETHYLBENZ(A)ANTHRACENE	700	U	
ACENAPHTHENE	350	U	
ACENAPHTHYLENE	350	U	
ACETOPHENONE	350	U	
ANILINE	350	U	
ANTHRACENE	350	U	
ARAMITE	1700	U	
BENZO(A)ANTHRACENE	350	U	
BENZO(A)PYRENE	350	U	
BENZO(B)FLUORANTHENE	350	U	
BENZO(G,H,I)PERYLENE	350	U	
BENZO(K)FLUORANTHENE	350	U	
BENZYL ALCOHOL	350	U	
BIS(2-CHLOROETHOXY)METHANE	350	U	
BIS(2-CHLOROETHYL)ETHER	350	U	
BIS(2-ETHYLHEXYL)PHTHALATE	350	U	
BUTYL BENZYL PHTHALATE	350	U	
CARBAZOLE	350	U	

PROJ_NO: 2129

SDG: 60115 MEDIA: SOIL DATA FRACTION: OS

nsample	MPT-1602-SS03-01
samp_date	8/5/2002
lab_id	C2H060115007
qc_type	NM
units	UG/KG
Pct_Solids	94.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CHRYSENE	350	U	
DI-N-BUTYL PHTHALATE	350	U	
DI-N-OCTYL PHTHALATE	350	U	
DIBENZO(A,H)ANTHRACENE	350	U	
DIBENZOFURAN	350	U	
DIETHYL PHTHALATE	350	U	
DIMETHYL PHTHALATE	350	U	
DIPHENYLAMINE	350	U	
ETHYL METHANE SULFONATE	350	UJ	C
FLUORANTHENE	350	U	
FLUORENE	350	U	
HEXACHLOROBENZENE	350	U	
HEXACHLOROBUTADIENE	350	U	
HEXACHLOROCYCLOPENTADIENE	1700	U	
HEXACHLOROETHANE	350	U	
HEXACHLOROPROPENE	3500	UJ	C
INDENO(1,2,3-CD)PYRENE	350	U	
ISOPHORONE	350	U	
ISOSAFROLE	700	U	
METHAPYRILENE	1700	UJ	C
METHYL METHANE SULFONATE	350	U	
N-NITROSO-DI-N-BUTYLAMINE	350	U	
N-NITROSO-DI-N-PROPYLAMINE	350	U	
N-NITROSODIETHYLAMINE	350	UJ	C
N-NITROSODIMETHYLAMINE	350	UJ	C
N-NITROSODIPHENYLAMINE	350	U	
N-NITROSOMETHYLETHYLAMINE	350	UJ	C
N-NITROSOMORPHOLINE	350	U	
N-NITROSOPYRROLIDINE	350	U	
NAPHTHALENE	350	U	

nsample	MPT-1602-SS03-01
samp_date	8/5/2002
lab_id	C2H060115007
qc_type	NM
units	UG/KG
Pct_Solids	94.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
NITROBENZENE	350	U	
O-TOLUIDINE	700	U	
P-(DIMETHYLAMINO)AZOBENZENE	700	U	
PENTACHLOROBENZENE	350	U	
PENTACHLOROETHANE	38	J	P
PENTACHLORONITROBENZENE	1700	UJ	C
PENTACHLOROPHENOL	1700	U	
PHENACETIN	700	U	
PHENANTHRENE	350	U	
PHENOL	350	U	
PRONAMIDE	700	U	
PYRENE	350	U	
PYRIDINE	700	UJ	C
SAFROLE	700	U	
SULFOTEPP	1700	UJ	C
THIONAZIN	1700	U	

nsample	MPT-1602-SS04-01
samp_date	8/5/2002
lab_id	C2H060115003
qc_type	NM
units	UG/KG
Pct_Solids	94.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4,5-TETRACHLOROBENZENE	350	U	
1,2,4-TRICHLOROBENZENE	350	U	
1,3,5-TRINITROBENZENE	1700	U	
1,3-DINITROBENZENE	350	U	
1,4-NAPHTHOQUINONE	1700	U	
1,4-PHENYLENEDIAMINE	7000	U	
1-NAPHTHYLAMINE	350	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	350	U	
2,3,4,6-TETRACHLOROPHENOL	350	U	
2,4,5-TRICHLOROPHENOL	350	U	
2,4,6-TRICHLOROPHENOL	350	U	
2,4-DICHLOROPHENOL	350	U	
2,4-DIMETHYLPHENOL	350	U	
2,4-DINITROPHENOL	1700	UJ	C
2,4-DINITROTOLUENE	350	U	
2,6-DICHLOROPHENOL	350	U	
2,6-DINITROTOLUENE	350	U	
2-ACETYLAMINOFLUORENE	700	U	
2-CHLORONAPHTHALENE	350	U	
2-CHLOROPHENOL	350	U	
2-METHYLNAPHTHALENE	350	U	
2-METHYLPHENOL	350	U	
2-NAPHTHYLAMINE	350	UJ	C
2-NITROANILINE	1700	U	
2-NITROPHENOL	350	U	
2-PICOLINE	700	UJ	C
3&4-METHYLPHENOL	700	U	
3,3'-DICHLOROBENZIDINE	1700	U	
3,3'-DIMETHYLBENZIDINE	1700	U	
3-METHYLCHOLANTHRENE	1700	U	

PROJ_NO: 2129

SDG: 60115 MEDIA: SOIL DATA FRACTION: OS

nsample	MPT-1602-SS04-01
samp_date	8/5/2002
lab_id	C2H060115003
qc_type	NM
units	UG/KG
Pct_Solids	94.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
3-NITROANILINE	1700	U	
4,6-DINITRO-2-METHYLPHENOL	1700	U	
4-AMINOBIPHENYL	1700	U	
4-BROMOPHENYL PHENYL ETHER	350	U	
4-CHLORO-3-METHYLPHENOL	350	U	
4-CHLOROANILINE	350	U	
4-CHLOROPHENYL PHENYL ETHER	350	U	
4-METHYLPHENOL	350	U	
4-NITROANILINE	1700	U	
4-NITROPHENOL	1700	U	
4-NITROQUINOLINE-1-OXIDE	3500	U	
5-NITRO-O-TOLUIDINE	700	U	
7,12-DIMETHYLBENZ(A)ANTHRACENE	700	U	
ACENAPHTHENE	350	U	
ACENAPHTHYLENE	350	U	
ACETOPHENONE	350	U	
ANILINE	350	U	
ANTHRACENE	350	U	
ARAMITE	1700	U	
BENZO(A)ANTHRACENE	350	U	
BENZO(A)PYRENE	350	U	
BENZO(B)FLUORANTHENE	48	J	P
BENZO(G,H,I)PERYLENE	350	U	
BENZO(K)FLUORANTHENE	350	U	
BENZYL ALCOHOL	350	U	
BIS(2-CHLOROETHOXY)METHANE	350	U	
BIS(2-CHLOROETHYL)ETHER	350	U	
BIS(2-ETHYLHEXYL)PHTHALATE	350	U	
BUTYL BENZYL PHTHALATE	350	U	
CARBAZOLE	350	U	

nsample	MPT-1602-SS04-01
samp_date	8/5/2002
lab_id	C2H060115003
qc_type	NM
units	UG/KG
Pct_Solids	94.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CHRYSENE	43	J	P
DI-N-BUTYL PHTHALATE	350	U	
DI-N-OCTYL PHTHALATE	350	U	
DIBENZO(A,H)ANTHRACENE	350	U	
DIBENZOFURAN	350	U	
DIETHYL PHTHALATE	88	J	P
DIMETHYL PHTHALATE	350	U	
DIPHENYLAMINE	350	U	
ETHYL METHANE SULFONATE	350	UJ	C
FLUORANTHENE	350	U	
FLUORENE	350	U	
HEXACHLOROBENZENE	350	U	
HEXACHLOROBUTADIENE	350	U	
HEXACHLOROCYCLOPENTADIENE	1700	U	
HEXACHLOROETHANE	350	U	
HEXACHLOROPROPENE	3500	UJ	C
INDENO(1,2,3-CD)PYRENE	350	U	
ISOPHORONE	350	U	
ISOSAFROLE	700	U	
METHAPYRILENE	1700	UJ	C
METHYL METHANE SULFONATE	350	U	
N-NITROSO-DI-N-BUTYLAMINE	350	U	
N-NITROSO-DI-N-PROPYLAMINE	350	U	
N-NITROSODIETHYLAMINE	350	UJ	C
N-NITROSODIMETHYLAMINE	350	UJ	C
N-NITROSODIPHENYLAMINE	350	U	
N-NITROSOMETHYLETHYLAMINE	350	UJ	C
N-NITROSOMORPHOLINE	350	U	
N-NITROSOPYRROLIDINE	350	U	
NAPHTHALENE	350	U	

nsample	MPT-1602-SS04-01
samp_date	8/5/2002
lab_id	C2H060115003
qc_type	NM
units	UG/KG
Pct_Solids	94.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
NITROBENZENE	350	U	
O-TOLUIDINE	700	U	
P-(DIMETHYLAMINO)AZOBENZENE	700	U	
PENTACHLOROBENZENE	350	U	
PENTACHLOROETHANE	39	J	P
PENTACHLORONITROBENZENE	1700	UJ	C
PENTACHLOROPHENOL	1700	U	
PHENACETIN	700	U	
PHENANTHRENE	350	U	
PHENOL	350	U	
PRONAMIDE	700	U	
PYRENE	350	U	
PYRIDINE	700	UJ	C
SAFROLE	700	U	
SULFOTEPP	1700	UJ	C
THIONAZIN	1700	U	

PROJ_NO: 2129

SDG: 60115 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	MPT-1602-SB01-05	nsample	MPT-1602-SB02-05	nsample	MPT-1602-SB03-05
samp_date	8/5/2002	samp_date	8/5/2002	samp_date	8/5/2002
lab_id	C2H060115002	lab_id	C2H060115006	lab_id	C2H060115008
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	89	Pct_Solids	92.4	Pct_Solids	88
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
4,4'-DDD	1.9	U	
4,4'-DDE	1.9	U	
4,4'-DDT	1.9	U	
ALDRIN	1.9	U	
ALPHA-BHC	1.9	U	
ALPHA-CHLORDANE	1.9	U	
AROCLOR-1016	37	UJ	C
AROCLOR-1221	37	U	
AROCLOR-1232	37	U	
AROCLOR-1242	37	U	
AROCLOR-1248	37	U	
AROCLOR-1254	37	U	
AROCLOR-1260	37	U	
BETA-BHC	1.9	U	
DELTA-BHC	1.9	UJ	C
DIELDRIN	1.9	U	
ENDOSULFAN I	1.9	U	
ENDOSULFAN II	1.9	U	
ENDOSULFAN SULFATE	1.9	U	
ENDRIN	1.9	U	
ENDRIN ALDEHYDE	1.9	U	
ENDRIN KETONE	1.9	U	
GAMMA-BHC (LINDANE)	1.9	U	
GAMMA-CHLORDANE	1.9	U	
HEPTACHLOR	1.9	U	
HEPTACHLOR EPOXIDE	1.9	U	
METHOXYCHLOR	3.7	U	
TOXAPHENE	75	U	

Parameter	Result	Val Qual	Qual Code
4,4'-DDD	1.8	U	
4,4'-DDE	0.79	J	GPU
4,4'-DDT	1.2	J	GPU
ALDRIN	1.8	U	
ALPHA-BHC	1.8	U	
ALPHA-CHLORDANE	1.8	U	
AROCLOR-1016	36	UJ	C
AROCLOR-1221	36	U	
AROCLOR-1232	36	U	
AROCLOR-1242	36	U	
AROCLOR-1248	36	U	
AROCLOR-1254	36	U	
AROCLOR-1260	36	U	
BETA-BHC	1.8	U	
DELTA-BHC	1.8	UJ	C
DIELDRIN	1.8	U	
ENDOSULFAN I	1.8	U	
ENDOSULFAN II	1.8	U	
ENDOSULFAN SULFATE	1.8	U	
ENDRIN	1.8	U	
ENDRIN ALDEHYDE	1.8	U	
ENDRIN KETONE	1.8	U	
GAMMA-BHC (LINDANE)	1.8	U	
GAMMA-CHLORDANE	1.8	U	
HEPTACHLOR	1.8	U	
HEPTACHLOR EPOXIDE	1.8	U	
METHOXYCHLOR	3.6	U	
TOXAPHENE	72	U	

Parameter	Result	Val Qual	Qual Code
4,4'-DDD	1.9	U	
4,4'-DDE	1.9	U	
4,4'-DDT	1.9	U	
ALDRIN	1.9	U	
ALPHA-BHC	1.9	U	
ALPHA-CHLORDANE	1.9	U	
AROCLOR-1016	38	UJ	C
AROCLOR-1221	38	U	
AROCLOR-1232	38	U	
AROCLOR-1242	38	U	
AROCLOR-1248	38	U	
AROCLOR-1254	38	U	
AROCLOR-1260	38	U	
BETA-BHC	1.9	U	
DELTA-BHC	1.9	UJ	C
DIELDRIN	1.9	U	
ENDOSULFAN I	1.9	U	
ENDOSULFAN II	1.9	U	
ENDOSULFAN SULFATE	1.9	U	
ENDRIN	1.9	U	
ENDRIN ALDEHYDE	1.9	U	
ENDRIN KETONE	1.9	U	
GAMMA-BHC (LINDANE)	1.9	U	
GAMMA-CHLORDANE	1.9	U	
HEPTACHLOR	1.9	U	
HEPTACHLOR EPOXIDE	1.9	U	
METHOXYCHLOR	3.8	U	
TOXAPHENE	77	U	

PROJ_NO: 2129

SDG: 60115 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	MPT-1602-SB04-05	nsample	MPT-1602-SBDUP01-05	nsample	MPT-1602-SS01-01
samp_date	8/5/2002	samp_date	8/5/2002	samp_date	8/5/2002
lab_id	C2H060115004	lab_id	C2H060115009	lab_id	C2H060115001
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	92.7	Pct_Solids	89	Pct_Solids	95
DUP_OF:		DUP_OF:	MPT-1602-SB02-05	DUP_OF:	

Parameter	Result	Val Qual	Qual Code
4,4'-DDD	1.8	U	
4,4'-DDE	0.36	J	P
4,4'-DDT	0.92	J	PU
ALDRIN	1.8	U	
ALPHA-BHC	1.8	U	
ALPHA-CHLORDANE	1.8	U	
AROCLOR-1016	36	UJ	C
AROCLOR-1221	36	U	
AROCLOR-1232	36	U	
AROCLOR-1242	36	U	
AROCLOR-1248	36	U	
AROCLOR-1254	36	U	
AROCLOR-1260	36	U	
BETA-BHC	1.8	U	
DELTA-BHC	1.8	UJ	C
DIELDRIN	1.8	U	
ENDOSULFAN I	1.8	U	
ENDOSULFAN II	1.8	U	
ENDOSULFAN SULFATE	1.8	U	
ENDRIN	1.8	U	
ENDRIN ALDEHYDE	1.8	U	
ENDRIN KETONE	1.8	U	
GAMMA-BHC (LINDANE)	1.8	U	
GAMMA-CHLORDANE	1.8	U	
HEPTACHLOR	1.8	U	
HEPTACHLOR EPOXIDE	1.8	U	
METHOXYCHLOR	3.6	U	
TOXAPHENE	72	U	

Parameter	Result	Val Qual	Qual Code
4,4'-DDD	1.9	U	
4,4'-DDE	1.9	J	G
4,4'-DDT	2.7	J	G
ALDRIN	1.9	U	
ALPHA-BHC	1.9	U	
ALPHA-CHLORDANE	1.9	U	
AROCLOR-1016	37	UJ	C
AROCLOR-1221	37	U	
AROCLOR-1232	37	U	
AROCLOR-1242	37	U	
AROCLOR-1248	37	U	
AROCLOR-1254	37	U	
AROCLOR-1260	37	U	
BETA-BHC	1.9	U	
DELTA-BHC	1.9	UJ	C
DIELDRIN	1.9	U	
ENDOSULFAN I	1.9	U	
ENDOSULFAN II	1.9	U	
ENDOSULFAN SULFATE	1.9	U	
ENDRIN	1.9	U	
ENDRIN ALDEHYDE	0.41	J	PU
ENDRIN KETONE	1.9	U	
GAMMA-BHC (LINDANE)	1.9	U	
GAMMA-CHLORDANE	1.9	U	
HEPTACHLOR	1.9	U	
HEPTACHLOR EPOXIDE	1.9	U	
METHOXYCHLOR	3.7	U	
TOXAPHENE	75	U	

Parameter	Result	Val Qual	Qual Code
4,4'-DDD	0.83	J	PU
4,4'-DDE	0.34	J	PU
4,4'-DDT	1.4	J	PU
ALDRIN	1.8	U	
ALPHA-BHC	1.8	U	
ALPHA-CHLORDANE	0.27	R	U
AROCLOR-1016	35	UJ	C
AROCLOR-1221	35	U	
AROCLOR-1232	35	U	
AROCLOR-1242	35	U	
AROCLOR-1248	35	U	
AROCLOR-1254	35	U	
AROCLOR-1260	35	U	
BETA-BHC	1.8	U	
DELTA-BHC	1.8	UJ	C
DIELDRIN	4.1		
ENDOSULFAN I	1.8	U	
ENDOSULFAN II	0.54	J	PU
ENDOSULFAN SULFATE	1.8	U	
ENDRIN	1.8	U	
ENDRIN ALDEHYDE	1.8	U	
ENDRIN KETONE	1.8	U	
GAMMA-BHC (LINDANE)	1.8	U	
GAMMA-CHLORDANE	1.8	U	
HEPTACHLOR	1.8	U	
HEPTACHLOR EPOXIDE	1.8	U	
METHOXYCHLOR	3.5	U	
TOXAPHENE	71	U	

PROJ_NO: 2129

SDG: 60115 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	MPT-1602-SS02-01	nsample	MPT-1602-SS03-01	nsample	MPT-1602-SS04-01
samp_date	8/5/2002	samp_date	8/5/2002	samp_date	8/5/2002
lab_id	C2H060115005	lab_id	C2H060115007	lab_id	C2H060115003
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	94	Pct_Solids	94.2	Pct_Solids	94.4
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
4,4'-DDD	1.3	J	PU
4,4'-DDE	4.4		
4,4'-DDT	9.7		
ALDRIN	1.8	U	
ALPHA-BHC	1.8	U	
ALPHA-CHLORDANE	1.8	U	
AROCLOR-1016	35	UJ	C
AROCLOR-1221	35	U	
AROCLOR-1232	35	U	
AROCLOR-1242	35	U	
AROCLOR-1248	35	U	
AROCLOR-1254	35	U	
AROCLOR-1260	11	J	P
BETA-BHC	1.8	U	
DELTA-BHC	1.8	UJ	C
DIELDRIN	1.8	U	
ENDOSULFAN I	1.8	U	
ENDOSULFAN II	1.8	U	
ENDOSULFAN SULFATE	1.8	U	
ENDRIN	1.8	U	
ENDRIN ALDEHYDE	1.8	U	
ENDRIN KETONE	1.8	U	
GAMMA-BHC (LINDANE)	1.8	U	
GAMMA-CHLORDANE	1.8	U	
HEPTACHLOR	1.8	U	
HEPTACHLOR EPOXIDE	1.8	U	
METHOXYCHLOR	3.5	U	
TOXAPHENE	71	U	

Parameter	Result	Val Qual	Qual Code
4,4'-DDD	1.8	U	
4,4'-DDE	1.8	U	
4,4'-DDT	0.33	R	U
ALDRIN	1.8	U	
ALPHA-BHC	1.8	U	
ALPHA-CHLORDANE	1.8	U	
AROCLOR-1016	35	UJ	C
AROCLOR-1221	35	U	
AROCLOR-1232	35	U	
AROCLOR-1242	35	U	
AROCLOR-1248	35	U	
AROCLOR-1254	35	U	
AROCLOR-1260	35	U	
BETA-BHC	1.8	U	
DELTA-BHC	1.8	UJ	C
DIELDRIN	1.8	U	
ENDOSULFAN I	1.8	U	
ENDOSULFAN II	1.8	U	
ENDOSULFAN SULFATE	1.8	U	
ENDRIN	1.8	U	
ENDRIN ALDEHYDE	1.8	U	
ENDRIN KETONE	1.8	U	
GAMMA-BHC (LINDANE)	1.8	U	
GAMMA-CHLORDANE	1.8	U	
HEPTACHLOR	1.8	U	
HEPTACHLOR EPOXIDE	1.8	U	
METHOXYCHLOR	3.5	U	
TOXAPHENE	71	U	

Parameter	Result	Val Qual	Qual Code
4,4'-DDD	1.2	J	P
4,4'-DDE	1.1	J	PU
4,4'-DDT	6.8		
ALDRIN	1.8	U	
ALPHA-BHC	1.8	U	
ALPHA-CHLORDANE	1.8	U	
AROCLOR-1016	35	UJ	C
AROCLOR-1221	35	U	
AROCLOR-1232	35	U	
AROCLOR-1242	35	U	
AROCLOR-1248	35	U	
AROCLOR-1254	35	U	
AROCLOR-1260	10	J	P
BETA-BHC	1.8	U	
DELTA-BHC	1.8	UJ	C
DIELDRIN	1.8	U	
ENDOSULFAN I	1.8	U	
ENDOSULFAN II	1.8	U	
ENDOSULFAN SULFATE	1.8	U	
ENDRIN	1.8	U	
ENDRIN ALDEHYDE	0.34	J	PU
ENDRIN KETONE	1.8	U	
GAMMA-BHC (LINDANE)	1.8	U	
GAMMA-CHLORDANE	1.8	U	
HEPTACHLOR	1.8	U	
HEPTACHLOR EPOXIDE	1.8	U	
METHOXYCHLOR	3.5	U	
TOXAPHENE	71	U	

PROJ_NO: 2129

SDG: 60115 MEDIA: SOIL DATA FRACTION: HERB

nsample	MPT-1602-SB01-05
samp_date	8/5/2002
lab_id	C2H060115002
qc_type	NM
units	UG/KG
Pct_Solids	89
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
2,4,5-T	23	U	
2,4,5-TP (SILVEX)	23	U	
2,4-D	90	U	
DINOSEB	14	U	

nsample	MPT-1602-SB02-05
samp_date	8/5/2002
lab_id	C2H060115006
qc_type	NM
units	UG/KG
Pct_Solids	92.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
2,4,5-T	22	U	
2,4,5-TP (SILVEX)	22	U	
2,4-D	87	U	
DINOSEB	13	U	

nsample	MPT-1602-SB03-05
samp_date	8/5/2002
lab_id	C2H060115008
qc_type	NM
units	UG/KG
Pct_Solids	88
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
2,4,5-T	23	U	
2,4,5-TP (SILVEX)	23	U	
2,4-D	91	U	
DINOSEB	14	U	

PROJ_NO: 2129

SDG: 60115 MEDIA: SOIL DATA FRACTION: HERB

nsample	MPT-1602-SB04-05
samp_date	8/5/2002
lab_id	C2H060115004
qc_type	NM
units	UG/KG
Pct_Solids	92.7
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
2,4,5-T	22	U	
2,4,5-TP (SILVEX)	22	U	
2,4-D	86	U	
DINOSEB	13	U	

nsample	MPT-1602-SBDUP01-05
samp_date	8/5/2002
lab_id	C2H060115009
qc_type	NM
units	UG/KG
Pct_Solids	89
DUP_OF:	MPT-1602-SB02-05

Parameter	Result	Val Qual	Qual Code
2,4,5-T	22	U	
2,4,5-TP (SILVEX)	22	U	
2,4-D	90	U	
DINOSEB	13	U	

nsample	MPT-1602-SS01-01
samp_date	8/5/2002
lab_id	C2H060115001
qc_type	NM
units	UG/KG
Pct_Solids	95
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
2,4,5-T	21	U	
2,4,5-TP (SILVEX)	21	U	
2,4-D	84	U	
DINOSEB	13	U	

PROJ_NO: 2129

SDG: 60115 MEDIA: SOIL DATA FRACTION: HERB

nsample	MPT-1602-SS02-01
samp_date	8/5/2002
lab_id	C2H060115005
qc_type	NM
units	UG/KG
Pct_Solids	94
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
2,4,5-T	21	U	
2,4,5-TP (SILVEX)	21	U	
2,4-D	85	U	
DINOSEB	13	U	

nsample	MPT-1602-SS03-01
samp_date	8/5/2002
lab_id	C2H060115007
qc_type	NM
units	UG/KG
Pct_Solids	94.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
2,4,5-T	21	U	
2,4,5-TP (SILVEX)	21	U	
2,4-D	85	U	
DINOSEB	13	U	

nsample	MPT-1602-SS04-01
samp_date	8/5/2002
lab_id	C2H060115003
qc_type	NM
units	UG/KG
Pct_Solids	94.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
2,4,5-T	21	U	
2,4,5-TP (SILVEX)	21	U	
2,4-D	85	U	
DINOSEB	13	U	

PROJ_NO: 2129

SDG: 60115 MEDIA: SOIL DATA FRACTION: PET

nsample	MPT-1602-SB01-05
samp_date	8/5/2002
lab_id	C2H060115002
qc_type	NM
units	MG/KG
Pct_Solids	89
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	37.1	U	

nsample	MPT-1602-SB02-05
samp_date	8/5/2002
lab_id	C2H060115006
qc_type	NM
units	MG/KG
Pct_Solids	92.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	35.7	U	

nsample	MPT-1602-SB03-05
samp_date	8/5/2002
lab_id	C2H060115008
qc_type	NM
units	MG/KG
Pct_Solids	88
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	37.7	U	

PROJ_NO: 2129

SDG: 60115 MEDIA: SOIL DATA FRACTION: PET

nsample	MPT-1602-SB04-05
samp_date	8/5/2002
lab_id	C2H060115004
qc_type	NM
units	MG/KG
Pct_Solids	92.7
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	35.6	U	

nsample	MPT-1602-SBDUP01-05
samp_date	8/5/2002
lab_id	C2H060115009
qc_type	NM
units	MG/KG
Pct_Solids	89
DUP_OF:	MPT-1602-SB02-05

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	37	U	

nsample	MPT-1602-SS01-01
samp_date	8/5/2002
lab_id	C2H060115001
qc_type	NM
units	MG/KG
Pct_Solids	95
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	204		

PROJ_NO: 2129

SDG: 60115 MEDIA: SOIL DATA FRACTION: PET

nsample	MPT-1602-SS02-01
samp_date	8/5/2002
lab_id	C2H060115005
qc_type	NM
units	MG/KG
Pct_Solids	94
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	35.1	U	

nsample	MPT-1602-SS03-01
samp_date	8/5/2002
lab_id	C2H060115007
qc_type	NM
units	MG/KG
Pct_Solids	94.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	57.3		

nsample	MPT-1602-SS04-01
samp_date	8/5/2002
lab_id	C2H060115003
qc_type	NM
units	MG/KG
Pct_Solids	94.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOTAL PETROLEUM HYDROCARBONS	35	U	

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

TETRA TECH NUS INC

Client Sample ID: TRIP BLANK 080502

GC/MS Volatiles

Lot-Sample #...:	C2H060115-010	**Work Order #...:**	E50A71AA	**Matrix.....:**	WATER
Date Sampled...:	08/05/02	**Date Received..:**	08/06/02	**MS Run #.....:**	2225116
Prep Date.....:	08/13/02	**Analysis Date..:**	08/13/02		
Prep Batch #...:	2225173	**Analysis Time..:**	19:46		
Dilution Factor:	1	**Initial Wgt/Vol:**	5 mL	**Final Wgt/Vol..:**	5 mL
Analyst ID.....:	034635	**Instrument ID..:**	HP5		
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	10	ug/L	2.5
Acetonitrile	ND	20	ug/L	13
Acrolein	ND	20	ug/L	8.5
Acrylonitrile	ND	20	ug/L	1.5
Allyl chloride	ND	1.0	ug/L	0.59
Benzene	ND	1.0	ug/L	0.082
Bromodichloromethane	ND	1.0	ug/L	0.13
Bromoform	ND	1.0	ug/L	0.30
Bromomethane	ND	2.0	ug/L	0.30
2-Butanone (MEK)	ND	5.0	ug/L	1.9
Carbon disulfide	ND	1.0	ug/L	0.22
Carbon tetrachloride	ND	1.0	ug/L	0.31
Chlorobenzene	ND	1.0	ug/L	0.15
Chloroethane	ND	2.0	ug/L	0.20
Chloroform	ND	1.0	ug/L	0.17
Chloromethane	ND	2.0	ug/L	0.28
Chloroprene	ND	1.0	ug/L	0.35
Dibromochloromethane	ND	1.0	ug/L	0.078
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	0.80
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	0.084
Dibromomethane	ND	1.0	ug/L	0.19
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L	0.52
Dichlorodifluoromethane	ND	2.0	ug/L	0.66
1,1-Dichloroethane	ND	1.0	ug/L	0.22
1,2-Dichloroethane	ND	1.0	ug/L	0.14
1,1-Dichloroethene	ND	1.0	ug/L	0.38
trans-1,2-Dichloroethene	ND	1.0	ug/L	0.31
1,2-Dichloropropane	ND	1.0	ug/L	0.15
cis-1,3-Dichloropropene	ND	1.0	ug/L	0.22
trans-1,3-Dichloropropene	ND	1.0	ug/L	0.069
1,4-Dioxane	ND	200	ug/L	140
Ethylbenzene	ND	1.0	ug/L	0.072
Ethyl methacrylate	ND	1.0	ug/L	0.35
2-Hexanone	ND	5.0	ug/L	1.6
Iodomethane	ND	1.0	ug/L	0.33

(Continued on next page)

TETRA TECH NUS INC

Client Sample ID: TRIP BLANK 080502

GC/MS Volatiles

Lot-Sample #...: C2H060115-010 **Work Order #...:** E50A71AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Isobutyl alcohol	ND	40	ug/L	32
Methacrylonitrile	ND	1.0	ug/L	0.32
Methylene chloride	ND	2.0	ug/L	0.15
Methyl methacrylate	ND	1.0	ug/L	0.30
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L	1.3
Propionitrile	ND	2.0	ug/L	1.7
Styrene	ND	1.0	ug/L	0.067
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	0.17
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	0.29
Tetrachloroethene	ND	1.0	ug/L	0.20
Toluene	ND	1.0	ug/L	0.12
1,1,1-Trichloroethane	ND	1.0	ug/L	0.27
1,1,2-Trichloroethane	ND	1.0	ug/L	0.13
Trichloroethene	ND	1.0	ug/L	0.087
Trichlorofluoromethane	ND	2.0	ug/L	0.43
1,2,3-Trichloropropane	ND	1.0	ug/L	0.38
Vinyl acetate	ND	1.0	ug/L	0.37
Vinyl chloride	ND	2.0	ug/L	0.21
o-Xylene	ND	1.0	ug/L	0.083
m-Xylene & p-Xylene	ND	2.0	ug/L	0.13
1,2-Dichlorobenzene	ND	1.0	ug/L	0.11
1,3-Dichlorobenzene	ND	1.0	ug/L	0.11
1,4-Dichlorobenzene	ND	1.0	ug/L	0.12
cis-1,2-Dichloroethene	ND	1.0	ug/L	0.38
1,2-Dichloroethene (total)	ND	1.0	ug/L	0.65
2-Chloroethyl vinyl ether	ND	5.0	ug/L	0.76

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	100	(76 - 110)
1,2-Dichloroethane-d4	78	(61 - 128)
4-Bromofluorobenzene	97	(74 - 116)
Dibromofluoromethane	85	(73 - 122)

TETRA TECH NUS INC

Client Sample ID: MPT-1602-SB01-05

GC/MS Volatiles

Lot-Sample #...:	C2H060115-002	Work Order #...:	E5X8N1AC	Matrix.....:	SOLID
Date Sampled...:	08/05/02 10:30	Date Received..:	08/06/02 10:00	MS Run #.....:	2219045
Prep Date.....:	08/07/02	Analysis Date..:	08/07/02		
Prep Batch #...:	2219281	Analysis Time..:	13:19		
Dilution Factor:	0.67	Initial Wgt/Vol:	7.42 g	Final Wgt/Vol..:	5 mL
% Moisture.....:	11	Analyst ID.....:	016328	Instrument ID..:	HP4
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**7.5 J**	**15**	**ug/kg**	**3.8**
Acetonitrile	ND	75	ug/kg	19
Acrolein	ND	75	ug/kg	10
Acrylonitrile	ND	75	ug/kg	11
Allyl chloride	ND	3.8	ug/kg	0.60
Benzene	ND	3.8	ug/kg	1.1
Bromodichloromethane	ND	3.8	ug/kg	0.98
Bromoform	ND	3.8	ug/kg	0.90
Bromomethane	ND	7.5	ug/kg	3.2
Carbon disulfide	ND	3.8	ug/kg	1.3
Carbon tetrachloride	ND	3.8	ug/kg	1.9
Chlorobenzene	ND	3.8	ug/kg	0.93
Chloroethane	ND	7.5	ug/kg	1.5
Chloroform	ND	3.8	ug/kg	0.99
Chloromethane	ND	7.5	ug/kg	0.98
Chloroprene	ND	3.8	ug/kg	0.42
Dibromochloromethane	ND	3.8	ug/kg	1.0
1,2-Dibromo-3-chloro-propane	ND	7.5	ug/kg	0.67
Dibromomethane	ND	3.8	ug/kg	1.0
trans-1,4-Dichloro-2-butene	ND	3.8	ug/kg	0.75
Dichlorodifluoromethane	ND	7.5	ug/kg	1.6
1,1-Dichloroethane	ND	3.8	ug/kg	1.1
1,2-Dichloroethane	ND	3.8	ug/kg	1.1
1,1-Dichloroethene	ND	3.8	ug/kg	1.4
trans-1,2-Dichloroethene	ND	3.8	ug/kg	1.4
1,2-Dichloropropane	ND	3.8	ug/kg	0.99
cis-1,3-Dichloropropene	ND	3.8	ug/kg	0.89
trans-1,3-Dichloropropene	ND	3.8	ug/kg	0.86
Ethylbenzene	ND	3.8	ug/kg	1.0
Ethyl methacrylate	ND	3.8	ug/kg	0.38
2-Hexanone	ND	15	ug/kg	0.63
Iodomethane	ND	3.8	ug/kg	0.99
Isobutyl alcohol	ND	300	ug/kg	99
Methacrylonitrile	ND	3.8	ug/kg	0.62
Methylene chloride	ND	3.8	ug/kg	1.3

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TETRA TECH NUS INC

Client Sample ID: MPT-1602-SB01-05

GC/MS Volatiles

Lot-Sample #...: C2H060115-002 Work Order #...: E5X8N1AC Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Methyl methacrylate	ND	3.8	ug/kg	0.57
Propionitrile	ND	7.5	ug/kg	0.90
Styrene	ND	3.8	ug/kg	1.0
1,1,1,2-Tetrachloroethane	ND	3.8	ug/kg	0.86
1,1,2,2-Tetrachloroethane	ND	3.8	ug/kg	0.74
Tetrachloroethene	ND	3.8	ug/kg	1.7
Toluene	ND	3.8	ug/kg	1.2
1,1,1-Trichloroethane	ND	3.8	ug/kg	1.7
1,1,2-Trichloroethane	ND	3.8	ug/kg	0.87
Trichloroethene	ND	3.8	ug/kg	1.2
Trichlorofluoromethane	ND	7.5	ug/kg	1.2
1,2,3-Trichloropropane	ND	3.8	ug/kg	0.95
Vinyl acetate	ND	7.5	ug/kg	0.38
Vinyl chloride	ND	7.5	ug/kg	1.5
2-Chloroethyl vinyl ether	ND	7.5	ug/kg	3.6
Xylenes (total)	ND	11	ug/kg	3.2
2-Butanone	**1.4 J**	**15**	**ug/kg**	**0.66**
1,2-Dibromoethane	ND	3.8	ug/kg	1.4
1,2-Dichlorobenzene	ND	3.8	ug/kg	0.87
1,3-Dichlorobenzene	ND	3.8	ug/kg	0.96
1,4-Dichlorobenzene	ND	3.8	ug/kg	0.94
cis-1,2-Dichloroethene	ND	3.8	ug/kg	1.2
1,2-Dichloroethene (total)	ND	3.8	ug/kg	2.5
4-Methyl-2-pentanone	ND	15	ug/kg	0.65
1,4-Dioxane	ND	750	ug/kg	200

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	80	(61 - 130)
Toluene-d8	89	(60 - 143)
4-Bromofluorobenzene	90	(47 - 158)
Dibromofluoromethane	99	(59 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

TETRA TECH NUS INC

Client Sample ID: MPT-1602-SB02-05

GC/MS Volatiles

Lot-Sample #...:	C2H060115-006	Work Order #...:	E5X811AC	Matrix.....:	SOLID
Date Sampled...:	08/05/02 12:05	Date Received..:	08/06/02 10:00	MS Run #.....:	2219045
Prep Date.....:	08/07/02	Analysis Date..:	08/07/02		
Prep Batch #...:	2219281	Analysis Time..:	15:18		
Dilution Factor:	0.74	Initial Wgt/Vol:	6.76 g	Final Wgt/Vol..:	5 mL
% Moisture.....:	7.6	Analyst ID.....:	016328	Instrument ID..:	HP4
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**6.5 J**	**16**	**ug/kg**	**4.0**
Acetonitrile	ND	80	ug/kg	20
Acrolein	ND	80	ug/kg	11
Acrylonitrile	ND	80	ug/kg	12
Allyl chloride	ND	4.0	ug/kg	0.64
Benzene	ND	4.0	ug/kg	1.2
Bromodichloromethane	ND	4.0	ug/kg	1.0
Bromoform	ND	4.0	ug/kg	0.96
Bromomethane	ND	8.0	ug/kg	3.4
Carbon disulfide	ND	4.0	ug/kg	1.4
Carbon tetrachloride	ND	4.0	ug/kg	2.0
Chlorobenzene	ND	4.0	ug/kg	0.99
Chloroethane	ND	8.0	ug/kg	1.6
Chloroform	ND	4.0	ug/kg	1.1
Chloromethane	ND	8.0	ug/kg	1.0
Chloroprene	ND	4.0	ug/kg	0.45
Dibromochloromethane	ND	4.0	ug/kg	1.1
1,2-Dibromo-3-chloro-propane	ND	8.0	ug/kg	0.71
Dibromomethane	ND	4.0	ug/kg	1.1
trans-1,4-Dichloro-2-butene	ND	4.0	ug/kg	0.80
Dichlorodifluoromethane	ND	8.0	ug/kg	1.7
1,1-Dichloroethane	ND	4.0	ug/kg	1.2
1,2-Dichloroethane	ND	4.0	ug/kg	1.1
1,1-Dichloroethene	ND	4.0	ug/kg	1.5
trans-1,2-Dichloroethene	ND	4.0	ug/kg	1.5
1,2-Dichloropropane	ND	4.0	ug/kg	1.0
cis-1,3-Dichloropropene	ND	4.0	ug/kg	0.95
trans-1,3-Dichloropropene	ND	4.0	ug/kg	0.91
Ethylbenzene	ND	4.0	ug/kg	1.1
Ethyl methacrylate	ND	4.0	ug/kg	0.40
2-Hexanone	ND	16	ug/kg	0.67
Iodomethane	ND	4.0	ug/kg	1.1
Isobutyl alcohol	ND	320	ug/kg	110
Methacrylonitrile	ND	4.0	ug/kg	0.66
Methylene chloride	ND	4.0	ug/kg	1.3

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TETRA TECH NUS INC

Client Sample ID: MPT-1602-SB02-05

GC/MS Volatiles

Lot-Sample #...: C2H060115-006 Work Order #...: E5X811AC Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Methyl methacrylate	ND	4.0	ug/kg	0.61
Propionitrile	ND	8.0	ug/kg	0.96
Styrene	ND	4.0	ug/kg	1.1
1,1,1,2-Tetrachloroethane	ND	4.0	ug/kg	0.91
1,1,2,2-Tetrachloroethane	ND	4.0	ug/kg	0.78
Tetrachloroethene	ND	4.0	ug/kg	1.8
Toluene	ND	4.0	ug/kg	1.2
1,1,1-Trichloroethane	ND	4.0	ug/kg	1.8
1,1,2-Trichloroethane	ND	4.0	ug/kg	0.92
Trichloroethene	ND	4.0	ug/kg	1.3
Trichlorofluoromethane	ND	8.0	ug/kg	1.3
1,2,3-Trichloropropane	ND	4.0	ug/kg	1.0
Vinyl acetate	ND	8.0	ug/kg	0.40
Vinyl chloride	ND	8.0	ug/kg	1.6
1,4-Dioxane	ND	800	ug/kg	210
2-Chloroethyl vinyl ether	ND	8.0	ug/kg	3.8
Xylenes (total)	ND	12	ug/kg	3.4
2-Butanone	ND	16	ug/kg	0.70
1,2-Dibromoethane	ND	4.0	ug/kg	1.5
1,2-Dichlorobenzene	ND	4.0	ug/kg	0.92
1,3-Dichlorobenzene	ND	4.0	ug/kg	1.0
1,4-Dichlorobenzene	ND	4.0	ug/kg	1.0
cis-1,2-Dichloroethene	ND	4.0	ug/kg	1.3
1,2-Dichloroethene (total)	ND	4.0	ug/kg	2.7
4-Methyl-2-pentanone	ND	16	ug/kg	0.69

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	81	(61 - 130)
Toluene-d8	88	(60 - 143)
4-Bromofluorobenzene	89	(47 - 158)
Dibromofluoromethane	102	(59 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

TETRA TECH NUS INC

Client Sample ID: MPT-1602-SBDUP01-05

GC/MS Volatiles

Lot-Sample #...:	C2H060115-009	Work Order #...:	E5X9E1AC	Matrix.....:	SOLID
Date Sampled...:	08/05/02	Date Received..:	08/06/02 10:00	MS Run #.....:	2219045
Prep Date.....:	08/07/02	Analysis Date..:	08/07/02		
Prep Batch #...:	2219281	Analysis Time..:	16:47		
Dilution Factor:	0.82	Initial Wgt/Vol:	6.06 g	Final Wgt/Vol..:	5 mL
% Moisture.....:	11	Analyst ID.....:	016328	Instrument ID..:	HP4
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**9.4 J**	**18**	**ug/kg**	**4.6**
Acetonitrile	ND	92	ug/kg	24
Acrolein	ND	92	ug/kg	12
Acrylonitrile	ND	92	ug/kg	14
Allyl chloride	ND	4.6	ug/kg	0.74
Benzene	ND	4.6	ug/kg	1.4
Bromodichloromethane	ND	4.6	ug/kg	1.2
Bromoform	ND	4.6	ug/kg	1.1
Bromomethane	ND	9.2	ug/kg	3.9
Carbon disulfide	ND	4.6	ug/kg	1.6
Carbon tetrachloride	ND	4.6	ug/kg	2.3
Chlorobenzene	ND	4.6	ug/kg	1.1
Chloroethane	ND	9.2	ug/kg	1.8
Chloroform	ND	4.6	ug/kg	1.2
Chloromethane	ND	9.2	ug/kg	1.2
Chloroprene	ND	4.6	ug/kg	0.52
Dibromochloromethane	ND	4.6	ug/kg	1.2
1,2-Dibromo-3-chloro-propane	ND	9.2	ug/kg	0.82
Dibromomethane	ND	4.6	ug/kg	1.3
trans-1,4-Dichloro-2-butene	ND	4.6	ug/kg	0.92
Dichlorodifluoromethane	ND	9.2	ug/kg	1.9
1,1-Dichloroethane	ND	4.6	ug/kg	1.4
1,2-Dichloroethane	ND	4.6	ug/kg	1.3
1,1-Dichloroethene	ND	4.6	ug/kg	1.8
trans-1,2-Dichloroethene	ND	4.6	ug/kg	1.7
1,2-Dichloropropane	ND	4.6	ug/kg	1.2
cis-1,3-Dichloropropene	ND	4.6	ug/kg	1.1
trans-1,3-Dichloropropene	ND	4.6	ug/kg	1.1
Ethylbenzene	ND	4.6	ug/kg	1.3
Ethyl methacrylate	ND	4.6	ug/kg	0.46
2-Hexanone	ND	18	ug/kg	0.77
Iodomethane	ND	4.6	ug/kg	1.2
Isobutyl alcohol	ND	370	ug/kg	120
Methacrylonitrile	ND	4.6	ug/kg	0.76
Methylene chloride	ND	4.6	ug/kg	1.5

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TETRA TECH NUS INC

Client Sample ID: MPT-1602-SBDUP01-05

GC/MS Volatiles

Lot-Sample #...: C2H060115-009 Work Order #...: E5X9E1AC Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Methyl methacrylate	ND	4.6	ug/kg	0.70
Propionitrile	ND	9.2	ug/kg	1.1
Styrene	ND	4.6	ug/kg	1.2
1,1,1,2-Tetrachloroethane	ND	4.6	ug/kg	1.0
1,1,2,2-Tetrachloroethane	ND	4.6	ug/kg	0.90
Tetrachloroethene	ND	4.6	ug/kg	2.1
Toluene	ND	4.6	ug/kg	1.4
1,1,1-Trichloroethane	ND	4.6	ug/kg	2.1
1,1,2-Trichloroethane	ND	4.6	ug/kg	1.1
Trichloroethene	ND	4.6	ug/kg	1.5
Trichlorofluoromethane	ND	9.2	ug/kg	1.5
1,2,3-Trichloropropane	ND	4.6	ug/kg	1.2
Vinyl acetate	ND	9.2	ug/kg	0.46
Vinyl chloride	ND	9.2	ug/kg	1.9
1,4-Dioxane	ND	920	ug/kg	240
2-Butanone	ND	18	ug/kg	0.81
2-Chloroethyl vinyl ether	ND	9.2	ug/kg	4.4
Xylenes (total)	ND	14	ug/kg	4.0
1,3-Dichlorobenzene	ND	4.6	ug/kg	1.2
1,4-Dichlorobenzene	ND	4.6	ug/kg	1.2
1,2-Dibromoethane	ND	4.6	ug/kg	1.7
1,2-Dichlorobenzene	ND	4.6	ug/kg	1.1
cis-1,2-Dichloroethene	ND	4.6	ug/kg	1.4
1,2-Dichloroethene (total)	ND	4.6	ug/kg	3.1
4-Methyl-2-pentanone	ND	18	ug/kg	0.79

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	81	(61 - 130)
Toluene-d8	89	(60 - 143)
4-Bromofluorobenzene	87	(47 - 158)
Dibromofluoromethane	96	(59 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J. Estimated result. Result is less than RL.

TETRA TECH NUS INC

Client Sample ID: MPT-1602-SB03-05

GC/MS Volatiles

Lot-Sample #...:	C2H060115-008	**Work Order #...:**	E5X891AC	**Matrix.....:**	SOLID
Date Sampled...:	08/05/02 13:50	**Date Received..:**	08/06/02 10:00	**MS Run #.....:**	2219045
Prep Date.....:	08/07/02	**Analysis Date..:**	08/07/02		
Prep Batch #...:	2219281	**Analysis Time..:**	16:18		
Dilution Factor:	0.67	**Initial Wgt/Vol:**	7.46 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	12	**Analyst ID.....:**	016328	**Instrument ID..:**	HP4
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**6.5 J**	**15**	**ug/kg**	**3.8**
Acetonitrile	ND	77	ug/kg	20
Acrolein	ND	77	ug/kg	10
Acrylonitrile	ND	77	ug/kg	12
Allyl chloride	ND	3.8	ug/kg	0.61
Benzene	ND	3.8	ug/kg	1.2
Bromodichloromethane	ND	3.8	ug/kg	0.99
Bromoform	ND	3.8	ug/kg	0.92
Bromomethane	ND	7.7	ug/kg	3.2
Carbon disulfide	ND	3.8	ug/kg	1.4
Carbon tetrachloride	ND	3.8	ug/kg	1.9
Chlorobenzene	ND	3.8	ug/kg	0.95
Chloroethane	ND	7.7	ug/kg	1.5
Chloroform	ND	3.8	ug/kg	1.0
Chloromethane	ND	7.7	ug/kg	0.99
Chloroprene	ND	3.8	ug/kg	0.43
Dibromochloromethane	ND	3.8	ug/kg	1.0
1,2-Dibromo-3-chloro-propane	ND	7.7	ug/kg	0.68
Dibromomethane	ND	3.8	ug/kg	1.0
trans-1,4-Dichloro-2-butene	ND	3.8	ug/kg	0.76
Dichlorodifluoromethane	ND	7.7	ug/kg	1.6
1,1-Dichloroethane	ND	3.8	ug/kg	1.1
1,2-Dichloroethane	ND	3.8	ug/kg	1.1
1,1-Dichloroethene	ND	3.8	ug/kg	1.5
trans-1,2-Dichloroethene	ND	3.8	ug/kg	1.4
1,2-Dichloropropane	ND	3.8	ug/kg	1.0
cis-1,3-Dichloropropene	ND	3.8	ug/kg	0.90
trans-1,3-Dichloropropene	ND	3.8	ug/kg	0.87
Ethylbenzene	ND	3.8	ug/kg	1.1
Ethyl methacrylate	ND	3.8	ug/kg	0.38
2-Hexanone	ND	15	ug/kg	0.64
Iodomethane	ND	3.8	ug/kg	1.0
Isobutyl alcohol	ND	310	ug/kg	100
Methacrylonitrile	ND	3.8	ug/kg	0.63
Methylene chloride	ND	3.8	ug/kg	1.3

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TETRA TECH NUS INC

Client Sample ID: MPT-1602-SB03-05

GC/MS Volatiles

Lot-Sample #...: C2H060115-008 Work Order #...: E5X891AC Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Methyl methacrylate	ND	3.8	ug/kg	0.58
Propionitrile	ND	7.7	ug/kg	0.92
Styrene	ND	3.8	ug/kg	1.0
1,1,1,2-Tetrachloroethane	ND	3.8	ug/kg	0.87
1,1,2,2-Tetrachloroethane	ND	3.8	ug/kg	0.75
Tetrachloroethene	ND	3.8	ug/kg	1.8
Toluene	ND	3.8	ug/kg	1.2
1,1,1-Trichloroethane	ND	3.8	ug/kg	1.8
1,1,2-Trichloroethane	ND	3.8	ug/kg	0.88
Trichloroethene	ND	3.8	ug/kg	1.2
Trichlorofluoromethane	ND	7.7	ug/kg	1.2
1,2,3-Trichloropropane	ND	3.8	ug/kg	0.96
Vinyl acetate	ND	7.7	ug/kg	0.38
Vinyl chloride	ND	7.7	ug/kg	1.6
1,4-Dioxane	ND	770	ug/kg	200
2-Chloroethyl vinyl ether	ND	7.7	ug/kg	3.6
Xylenes (total)	ND	11	ug/kg	3.3
2-Butanone	ND	15	ug/kg	0.67
1,2-Dichloroethene (total)	ND	3.8	ug/kg	2.6
4-Methyl-2-pentanone	ND	15	ug/kg	0.66
1,2-Dibromoethane	ND	3.8	ug/kg	1.4
1,2-Dichlorobenzene	ND	3.8	ug/kg	0.88
1,3-Dichlorobenzene	ND	3.8	ug/kg	0.98
1,4-Dichlorobenzene	ND	3.8	ug/kg	0.96
cis-1,2-Dichloroethene	ND	3.8	ug/kg	1.2

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	82	(61 - 130)
Toluene-d8	88	(60 - 143)
4-Bromofluorobenzene	88	(47 - 158)
Dibromofluoromethane	97	(59 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

TETRA TECH NUS INC

Client Sample ID: MPT-1602-SB04-05

GC/MS Volatiles

Lot-Sample #...:	C2H060115-004	Work Order #...:	E5X8R1AC	Matrix.....:	SOLID
Date Sampled...:	08/05/02 11:20	Date Received..:	08/06/02 10:00	MS Run #.....:	2219045
Prep Date.....:	08/07/02	Analysis Date..:	08/07/02		
Prep Batch #...:	2219281	Analysis Time..:	14:19		
Dilution Factor:	0.64	Initial Wgt/Vol:	7.81 g	Final Wgt/Vol..:	5 mL
% Moisture.....:	7.3	Analyst ID.....:	016328	Instrument ID..:	HP4
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**5.5 J**	**14**	**ug/kg**	**3.5**
Acetonitrile	ND	69	ug/kg	18
Acrolein	ND	69	ug/kg	9.4
Acrylonitrile	ND	69	ug/kg	10
Allyl chloride	ND	3.5	ug/kg	0.55
Benzene	ND	3.5	ug/kg	1.0
Bromodichloromethane	ND	3.5	ug/kg	0.89
Bromoform	ND	3.5	ug/kg	0.83
Bromomethane	ND	6.9	ug/kg	2.9
Carbon disulfide	ND	3.5	ug/kg	1.2
Carbon tetrachloride	ND	3.5	ug/kg	1.7
Chlorobenzene	ND	3.5	ug/kg	0.86
Chloroethane	ND	6.9	ug/kg	1.3
Chloroform	ND	3.5	ug/kg	0.91
Chloromethane	ND	6.9	ug/kg	0.90
Chloroprene	ND	3.5	ug/kg	0.39
Dibromochloromethane	ND	3.5	ug/kg	0.93
1,2-Dibromo-3-chloro-propane	ND	6.9	ug/kg	0.61
Dibromomethane	ND	3.5	ug/kg	0.94
trans-1,4-Dichloro-2-butene	ND	3.5	ug/kg	0.69
Dichlorodifluoromethane	ND	6.9	ug/kg	1.5
1,1-Dichloroethane	ND	3.5	ug/kg	1.0
1,2-Dichloroethane	ND	3.5	ug/kg	0.99
1,1-Dichloroethene	ND	3.5	ug/kg	1.3
trans-1,2-Dichloroethene	ND	3.5	ug/kg	1.3
1,2-Dichloropropane	ND	3.5	ug/kg	0.91
cis-1,3-Dichloropropene	ND	3.5	ug/kg	0.82
trans-1,3-Dichloropropene	ND	3.5	ug/kg	0.79
Ethylbenzene	ND	3.5	ug/kg	0.95
Ethyl methacrylate	ND	3.5	ug/kg	0.35
2-Hexanone	ND	14	ug/kg	0.58
Iodomethane	ND	3.5	ug/kg	0.91
Isobutyl alcohol	ND	280	ug/kg	91
Methacrylonitrile	ND	3.5	ug/kg	0.57
Methylene chloride	ND	3.5	ug/kg	1.2

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TETRA TECH NUS INC

Client Sample ID: MPT-1602-SB04-05

GC/MS Volatiles

Lot-Sample #...: C2H060115-004 Work Order #...: E5X8R1AC Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Methyl methacrylate	ND	3.5	ug/kg	0.52
Propionitrile	ND	6.9	ug/kg	0.83
Styrene	ND	3.5	ug/kg	0.93
1,1,1,2-Tetrachloroethane	ND	3.5	ug/kg	0.79
1,1,2,2-Tetrachloroethane	ND	3.5	ug/kg	0.68
Tetrachloroethene	ND	3.5	ug/kg	1.6
Toluene	ND	3.5	ug/kg	1.1
1,1,1-Trichloroethane	ND	3.5	ug/kg	1.6
1,1,2-Trichloroethane	ND	3.5	ug/kg	0.79
Trichloroethene	ND	3.5	ug/kg	1.1
Trichlorofluoromethane	ND	6.9	ug/kg	1.1
1,2,3-Trichloropropane	ND	3.5	ug/kg	0.87
Vinyl acetate	ND	6.9	ug/kg	0.35
Vinyl chloride	ND	6.9	ug/kg	1.4
1,4-Dioxane	ND	690	ug/kg	180
2-Chloroethyl vinyl ether	ND	6.9	ug/kg	3.3
Xylenes (total)	ND	10	ug/kg	3.0
2-Butanone	**1.0 J**	**14**	**ug/kg**	**0.60**
1,2-Dibromoethane	ND	3.5	ug/kg	1.3
1,2-Dichlorobenzene	ND	3.5	ug/kg	0.79
1,3-Dichlorobenzene	ND	3.5	ug/kg	0.88
1,4-Dichlorobenzene	ND	3.5	ug/kg	0.86
cis-1,2-Dichloroethene	ND	3.5	ug/kg	1.1
1,2-Dichloroethene (total)	ND	3.5	ug/kg	2.3
4-Methyl-2-pentanone	ND	14	ug/kg	0.60

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	81	(61 - 130)
Toluene-d8	89	(60 - 143)
4-Bromofluorobenzene	89	(47 - 158)
Dibromofluoromethane	98	(59 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

TETRA TECH NUS INC

Client Sample ID: MPT-1602-SS01-01

GC/MS Volatiles

Lot-Sample #...:	C2H060115-001	**Work Order #...:**	E5X8M1AC	**Matrix.....:**	SOLID
Date Sampled...:	08/05/02 10:10	**Date Received..:**	08/06/02 10:00	**MS Run #.....:**	2219045
Prep Date.....:	08/07/02	**Analysis Date..:**	08/07/02		
Prep Batch #...:	2219281	**Analysis Time..:**	12:49		
Dilution Factor:	0.74	**Initial Wgt/Vol:**	6.71 g	**Final Wgt/Vol..:**	5 mL
% Moisture.....:	5.0	**Analyst ID.....:**	016328	**Instrument ID..:**	HP4
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**5.9 J**	**16**	**ug/kg**	**3.9**
Acetonitrile	ND	78	ug/kg	20
Acrolein	ND	78	ug/kg	11
Acrylonitrile	ND	78	ug/kg	12
Allyl chloride	ND	3.9	ug/kg	0.62
Benzene	ND	3.9	ug/kg	1.2
Bromodichloromethane	ND	3.9	ug/kg	1.0
Bromoform	ND	3.9	ug/kg	0.93
Bromomethane	ND	7.8	ug/kg	3.3
Carbon disulfide	ND	3.9	ug/kg	1.4
Carbon tetrachloride	ND	3.9	ug/kg	2.0
Chlorobenzene	ND	3.9	ug/kg	0.97
Chloroethane	ND	7.8	ug/kg	1.5
Chloroform	ND	3.9	ug/kg	1.0
Chloromethane	ND	7.8	ug/kg	1.0
Chloroprene	ND	3.9	ug/kg	0.44
Dibromochloromethane	ND	3.9	ug/kg	1.0
1,2-Dibromo-3-chloro-propane	ND	7.8	ug/kg	0.69
Dibromomethane	ND	3.9	ug/kg	1.1
trans-1,4-Dichloro-2-butene	ND	3.9	ug/kg	0.77
Dichlorodifluoromethane	ND	7.8	ug/kg	1.6
1,1-Dichloroethane	ND	3.9	ug/kg	1.2
1,2-Dichloroethane	ND	3.9	ug/kg	1.1
1,1-Dichloroethene	ND	3.9	ug/kg	1.5
trans-1,2-Dichloroethene	ND	3.9	ug/kg	1.4
1,2-Dichloropropane	ND	3.9	ug/kg	1.0
cis-1,3-Dichloropropene	ND	3.9	ug/kg	0.92
trans-1,3-Dichloropropene	ND	3.9	ug/kg	0.89
Ethylbenzene	ND	3.9	ug/kg	1.1
Ethyl methacrylate	ND	3.9	ug/kg	0.39
2-Hexanone	ND	16	ug/kg	0.65
Iodomethane	ND	3.9	ug/kg	1.0
Isobutyl alcohol	ND	310	ug/kg	100
Methacrylonitrile	ND	3.9	ug/kg	0.64
Methylene chloride	ND	3.9	ug/kg	1.3

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TETRA TECH NUS INC

Client Sample ID: MPT-1602-SS01-01

GC/MS Volatiles

Lot-Sample #...: C2H060115-001 Work Order #...: E5X8M1AC Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Methyl methacrylate	ND	3.9	ug/kg	0.59
Propionitrile	ND	7.8	ug/kg	0.93
Styrene	ND	3.9	ug/kg	1.0
1,1,1,2-Tetrachloroethane	ND	3.9	ug/kg	0.89
1,1,2,2-Tetrachloroethane	ND	3.9	ug/kg	0.76
Tetrachloroethene	ND	3.9	ug/kg	1.8
Toluene	ND	3.9	ug/kg	1.2
1,1,1-Trichloroethane	ND	3.9	ug/kg	1.8
1,1,2-Trichloroethane	ND	3.9	ug/kg	0.90
Trichloroethene	ND	3.9	ug/kg	1.3
Trichlorofluoromethane	ND	7.8	ug/kg	1.3
1,2,3-Trichloropropane	ND	3.9	ug/kg	0.98
Vinyl acetate	ND	7.8	ug/kg	0.39
Vinyl chloride	ND	7.8	ug/kg	1.6
2-Chloroethyl vinyl ether	ND	7.8	ug/kg	3.7
Xylenes (total)	ND	12	ug/kg	3.4
2-Butanone	**1.6 J**	**16**	**ug/kg**	**0.68**
1,2-Dibromoethane	ND	3.9	ug/kg	1.4
1,2-Dichlorobenzene	ND	3.9	ug/kg	0.89
1,3-Dichlorobenzene	ND	3.9	ug/kg	0.99
1,4-Dichlorobenzene	ND	3.9	ug/kg	0.97
cis-1,2-Dichloroethene	ND	3.9	ug/kg	1.2
1,2-Dichloroethene (total)	ND	3.9	ug/kg	2.6
4-Methyl-2-pentanone	ND	16	ug/kg	0.67
1,4-Dioxane	ND	780	ug/kg	200

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	81	(61 - 130)
Toluene-d8	89	(60 - 143)
4-Bromofluorobenzene	89	(47 - 158)
Dibromofluoromethane	96	(59 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

TETRA TECH NUS INC

Client Sample ID: MPT-1602-SS02-01

GC/MS Volatiles

Lot-Sample #...:	C2H060115-005	Work Order #...:	E5X8V1AC	Matrix.....:	SOLID
Date Sampled...:	08/05/02 11:50	Date Received..:	08/06/02 10:00	MS Run #.....:	2219045
Prep Date.....:	08/07/02	Analysis Date..:	08/07/02		
Prep Batch #...:	2219281	Analysis Time..:	14:48		
Dilution Factor:	0.71	Initial Wgt/Vol:	7.06 g	Final Wgt/Vol..:	5 mL
% Moisture.....:	6.0	Analyst ID.....:	016328	Instrument ID..:	HP4
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**4.8 J**	**15**	**ug/kg**	**3.8**
Acetonitrile	ND	75	ug/kg	19
Acrolein	ND	75	ug/kg	10
Acrylonitrile	ND	75	ug/kg	11
Allyl chloride	ND	3.8	ug/kg	0.60
Benzene	ND	3.8	ug/kg	1.1
Bromodichloromethane	ND	3.8	ug/kg	0.98
Bromoform	ND	3.8	ug/kg	0.90
Bromomethane	ND	7.5	ug/kg	3.2
Carbon disulfide	ND	3.8	ug/kg	1.3
Carbon tetrachloride	ND	3.8	ug/kg	1.9
Chlorobenzene	ND	3.8	ug/kg	0.94
Chloroethane	ND	7.5	ug/kg	1.5
Chloroform	ND	3.8	ug/kg	0.99
Chloromethane	ND	7.5	ug/kg	0.98
Chloroprene	ND	3.8	ug/kg	0.42
Dibromochloromethane	ND	3.8	ug/kg	1.0
1,2-Dibromo-3-chloro-propane	ND	7.5	ug/kg	0.67
Dibromomethane	ND	3.8	ug/kg	1.0
trans-1,4-Dichloro-2-butene	ND	3.8	ug/kg	0.75
Dichlorodifluoromethane	ND	7.5	ug/kg	1.6
1,1-Dichloroethane	ND	3.8	ug/kg	1.1
1,2-Dichloroethane	ND	3.8	ug/kg	1.1
1,1-Dichloroethene	ND	3.8	ug/kg	1.4
trans-1,2-Dichloroethene	ND	3.8	ug/kg	1.4
1,2-Dichloropropane	ND	3.8	ug/kg	0.99
cis-1,3-Dichloropropene	ND	3.8	ug/kg	0.89
trans-1,3-Dichloropropene	ND	3.8	ug/kg	0.86
Ethylbenzene	ND	3.8	ug/kg	1.0
Ethyl methacrylate	ND	3.8	ug/kg	0.38
2-Hexanone	ND	15	ug/kg	0.63
Iodomethane	ND	3.8	ug/kg	0.99
Isobutyl alcohol	ND	300	ug/kg	99
Methacrylonitrile	ND	3.8	ug/kg	0.62
Methylene chloride	ND	3.8	ug/kg	1.3

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TETRA TECH NUS INC

Client Sample ID: MPT-1602-SS02-01

GC/MS Volatiles

Lot-Sample #...: C2H060115-005 Work Order #...: E5X8V1AC Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Methyl methacrylate	ND	3.8	ug/kg	0.57
Propionitrile	ND	7.5	ug/kg	0.91
Styrene	ND	3.8	ug/kg	1.0
1,1,1,2-Tetrachloroethane	ND	3.8	ug/kg	0.86
1,1,2,2-Tetrachloroethane	ND	3.8	ug/kg	0.74
Tetrachloroethene	ND	3.8	ug/kg	1.7
Toluene	ND	3.8	ug/kg	1.2
1,1,1-Trichloroethane	ND	3.8	ug/kg	1.7
1,1,2-Trichloroethane	ND	3.8	ug/kg	0.87
Trichloroethene	ND	3.8	ug/kg	1.2
Trichlorofluoromethane	ND	7.5	ug/kg	1.2
1,2,3-Trichloropropane	ND	3.8	ug/kg	0.95
Vinyl acetate	ND	7.5	ug/kg	0.38
Vinyl chloride	ND	7.5	ug/kg	1.5
2-Butanone	ND	15	ug/kg	0.66
1,2-Dibromoethane	ND	3.8	ug/kg	1.4
1,2-Dichlorobenzene	ND	3.8	ug/kg	0.87
1,3-Dichlorobenzene	ND	3.8	ug/kg	0.96
1,4-Dichlorobenzene	ND	3.8	ug/kg	0.94
cis-1,2-Dichloroethene	ND	3.8	ug/kg	1.2
1,2-Dichloroethene (total)	ND	3.8	ug/kg	2.6
1,4-Dioxane	ND	750	ug/kg	200
4-Methyl-2-pentanone	ND	15	ug/kg	0.65
2-Chloroethyl vinyl ether	ND	7.5	ug/kg	3.6
Xylenes (total)	ND	11	ug/kg	3.2

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	83	(61 - 130)
Toluene-d8	89	(60 - 143)
4-Bromofluorobenzene	88	(47 - 158)
Dibromofluoromethane	105	(59 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

TETRA TECH NUS INC

Client Sample ID: MPT-1602-SS03-01

GC/MS Volatiles

Lot-Sample #...:	C2H060115-007	Work Order #...:	E5X831AC	Matrix.....:	SOLID
Date Sampled...:	08/05/02 13:32	Date Received..:	08/06/02 10:00	MS Run #.....:	2219045
Prep Date.....:	08/07/02	Analysis Date..:	08/07/02		
Prep Batch #...:	2219281	Analysis Time..:	15:48		
Dilution Factor:	0.7	Initial Wgt/Vol:	7.19 g	Final Wgt/Vol..:	5 mL
% Moisture.....:	5.8	Analyst ID.....:	016328	Instrument ID..:	HP4
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	5.2 J	15	ug/kg	3.7
Acetonitrile	ND	74	ug/kg	19
Acrolein	ND	74	ug/kg	10
Acrylonitrile	ND	74	ug/kg	11
Allyl chloride	ND	3.7	ug/kg	0.59
Benzene	ND	3.7	ug/kg	1.1
Bromodichloromethane	ND	3.7	ug/kg	0.96
Bromoform	ND	3.7	ug/kg	0.89
Bromomethane	ND	7.4	ug/kg	3.1
Carbon disulfide	ND	3.7	ug/kg	1.3
Carbon tetrachloride	ND	3.7	ug/kg	1.9
Chlorobenzene	ND	3.7	ug/kg	0.92
Chloroethane	ND	7.4	ug/kg	1.4
Chloroform	ND	3.7	ug/kg	0.98
Chloromethane	ND	7.4	ug/kg	0.96
Chloroprene	ND	3.7	ug/kg	0.42
Dibromochloromethane	ND	3.7	ug/kg	1.0
1,2-Dibromo-3-chloro-propane	ND	7.4	ug/kg	0.66
Dibromomethane	ND	3.7	ug/kg	1.0
trans-1,4-Dichloro-2-butene	ND	3.7	ug/kg	0.74
Dichlorodifluoromethane	ND	7.4	ug/kg	1.6
1,1-Dichloroethane	ND	3.7	ug/kg	1.1
1,2-Dichloroethane	ND	3.7	ug/kg	1.1
1,1-Dichloroethene	ND	3.7	ug/kg	1.4
trans-1,2-Dichloroethene	ND	3.7	ug/kg	1.4
1,2-Dichloropropane	ND	3.7	ug/kg	0.97
cis-1,3-Dichloropropene	ND	3.7	ug/kg	0.88
trans-1,3-Dichloropropene	ND	3.7	ug/kg	0.85
Ethylbenzene	ND	3.7	ug/kg	1.0
Ethyl methacrylate	ND	3.7	ug/kg	0.37
2-Hexanone	ND	15	ug/kg	0.62
Iodomethane	ND	3.7	ug/kg	0.98
Isobutyl alcohol	ND	300	ug/kg	98
Methacrylonitrile	ND	3.7	ug/kg	0.61
Methylene chloride	ND	3.7	ug/kg	1.2

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TETRA TECH NUS INC

Client Sample ID: MPT-1602-SS03-01

GC/MS Volatiles

Lot-Sample #...: C2H060115-007 Work Order #...: E5X831AC Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Methyl methacrylate	ND	3.7	ug/kg	0.56
Propionitrile	ND	7.4	ug/kg	0.89
Styrene	ND	3.7	ug/kg	1.0
1,1,1,2-Tetrachloroethane	ND	3.7	ug/kg	0.85
1,1,2,2-Tetrachloroethane	ND	3.7	ug/kg	0.73
Tetrachloroethene	ND	3.7	ug/kg	1.7
Toluene	ND	3.7	ug/kg	1.1
1,1,1-Trichloroethane	ND	3.7	ug/kg	1.7
1,1,2-Trichloroethane	ND	3.7	ug/kg	0.85
Trichloroethene	ND	3.7	ug/kg	1.2
Trichlorofluoromethane	ND	7.4	ug/kg	1.2
1,2,3-Trichloropropane	ND	3.7	ug/kg	0.93
Vinyl acetate	ND	7.4	ug/kg	0.37
Vinyl chloride	ND	7.4	ug/kg	1.5
1,4-Dioxane	ND	740	ug/kg	190
2-Chloroethyl vinyl ether	ND	7.4	ug/kg	3.5
Xylenes (total)	ND	11	ug/kg	3.2
2-Butanone	ND	15	ug/kg	0.65
1,2-Dibromoethane	ND	3.7	ug/kg	1.4
1,2-Dichlorobenzene	ND	3.7	ug/kg	0.85
1,3-Dichlorobenzene	ND	3.7	ug/kg	0.95
1,4-Dichlorobenzene	ND	3.7	ug/kg	0.93
1,2-Dichloroethene (total)	ND	3.7	ug/kg	2.5
4-Methyl-2-pentanone	ND	15	ug/kg	0.64
cis-1,2-Dichloroethene	ND	3.7	ug/kg	1.2

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	82	(61 - 130)
Toluene-d8	88	(60 - 143)
4-Bromofluorobenzene	88	(47 - 158)
Dibromofluoromethane	96	(59 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

TETRA TECH NUS INC

Client Sample ID: MPT-1602-SS04-01

GC/MS Volatiles

Lot-Sample #...:	C2H060115-003	Work Order #...:	E5X8P1AC	Matrix.....:	SOLID
Date Sampled...:	08/05/02 11:10	Date Received..:	08/06/02 10:00	MS Run #.....:	2219045
Prep Date.....:	08/07/02	Analysis Date..:	08/07/02		
Prep Batch #...:	2219281	Analysis Time..:	13:49		
Dilution Factor:	0.69	Initial Wgt/Vol:	7.29 g	Final Wgt/Vol..:	5 mL
% Moisture.....:	5.6	Analyst ID.....:	016328	Instrument ID..:	HP4
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**4.6 J**	**15**	**ug/kg**	**3.7**
Acetonitrile	ND	73	ug/kg	19
Acrolein	ND	73	ug/kg	9.9
Acrylonitrile	ND	73	ug/kg	11
Allyl chloride	ND	3.7	ug/kg	0.58
Benzene	ND	3.7	ug/kg	1.1
Bromodichloromethane	ND	3.7	ug/kg	0.95
Bromoform	ND	3.7	ug/kg	0.88
Bromomethane	ND	7.3	ug/kg	3.1
Carbon disulfide	ND	3.7	ug/kg	1.3
Carbon tetrachloride	ND	3.7	ug/kg	1.8
Chlorobenzene	ND	3.7	ug/kg	0.91
Chloroethane	ND	7.3	ug/kg	1.4
Chloroform	ND	3.7	ug/kg	0.96
Chloromethane	ND	7.3	ug/kg	0.95
Chloroprene	ND	3.7	ug/kg	0.41
Dibromochloromethane	ND	3.7	ug/kg	0.98
1,2-Dibromo-3-chloro-propane	ND	7.3	ug/kg	0.65
Dibromomethane	ND	3.7	ug/kg	0.99
trans-1,4-Dichloro-2-butene	ND	3.7	ug/kg	0.73
Dichlorodifluoromethane	ND	7.3	ug/kg	1.5
1,1-Dichloroethane	ND	3.7	ug/kg	1.1
1,2-Dichloroethane	ND	3.7	ug/kg	1.0
1,1-Dichloroethene	ND	3.7	ug/kg	1.4
trans-1,2-Dichloroethene	ND	3.7	ug/kg	1.4
1,2-Dichloropropane	ND	3.7	ug/kg	0.96
cis-1,3-Dichloropropene	ND	3.7	ug/kg	0.86
trans-1,3-Dichloropropene	ND	3.7	ug/kg	0.84
Ethylbenzene	ND	3.7	ug/kg	1.0
Ethyl methacrylate	ND	3.7	ug/kg	0.37
2-Hexanone	ND	15	ug/kg	0.61
Iodomethane	ND	3.7	ug/kg	0.96
Isobutyl alcohol	ND	290	ug/kg	96
Methacrylonitrile	ND	3.7	ug/kg	0.60
Methylene chloride	ND	3.7	ug/kg	1.2

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TETRA TECH NUS INC

Client Sample ID: MPT-1602-SS04-01

GC/MS Volatiles

Lot-Sample #...: C2H060115-003 Work Order #...: E5X8P1AC Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Methyl methacrylate	ND	3.7	ug/kg	0.55
Propionitrile	ND	7.3	ug/kg	0.88
Styrene	ND	3.7	ug/kg	0.98
1,1,1,2-Tetrachloroethane	ND	3.7	ug/kg	0.83
1,1,2,2-Tetrachloroethane	ND	3.7	ug/kg	0.72
Tetrachloroethene	ND	3.7	ug/kg	1.7
Toluene	ND	3.7	ug/kg	1.1
1,1,1-Trichloroethane	ND	3.7	ug/kg	1.7
1,1,2-Trichloroethane	ND	3.7	ug/kg	0.84
Trichloroethene	ND	3.7	ug/kg	1.2
Trichlorofluoromethane	ND	7.3	ug/kg	1.2
1,2,3-Trichloropropane	ND	3.7	ug/kg	0.92
Vinyl acetate	ND	7.3	ug/kg	0.37
Vinyl chloride	ND	7.3	ug/kg	1.5
1,4-Dioxane	ND	730	ug/kg	190
2-Chloroethyl vinyl ether	ND	7.3	ug/kg	3.5
Xylenes (total)	ND	11	ug/kg	3.1
2-Butanone	**0.91 J**	**15**	**ug/kg**	**0.64**
1,2-Dibromoethane	ND	3.7	ug/kg	1.4
1,2-Dichlorobenzene	ND	3.7	ug/kg	0.84
1,3-Dichlorobenzene	ND	3.7	ug/kg	0.93
1,4-Dichlorobenzene	ND	3.7	ug/kg	0.91
cis-1,2-Dichloroethene	ND	3.7	ug/kg	1.1
1,2-Dichloroethene (total)	ND	3.7	ug/kg	2.5
4-Methyl-2-pentanone	ND	15	ug/kg	0.63

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	80	(61 - 130)
Toluene-d8	88	(60 - 143)
4-Bromofluorobenzene	87	(47 - 158)
Dibromofluoromethane	102	(59 - 138)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

TETRA TECH NUS INC

Client Sample ID: MPT-1602-SB01-05

GC/MS Semivolatiles

Lot-Sample #...:	C2H060115-002	Work Order #...:	E5X8N1AD	Matrix.....:	SOLID
Date Sampled...:	08/05/02	Date Received..:	08/06/02	MS Run #.....:	2219089
Prep Date.....:	08/07/02	Analysis Date..:	08/08/02		
Prep Batch #...:	2219222	Analysis Time..:	15:03		
Dilution Factor:	1	Initial Wgt/Vol:	30 g	Final Wgt/Vol..:	1 mL
% Moisture.....:	11	Analyst ID.....:	001562	Instrument ID..:	721
		Method.....:	SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	370	ug/kg	29
Acenaphthylene	ND	370	ug/kg	34
Acetophenone	ND	370	ug/kg	55
2-Acetylaminofluorene	ND	740	ug/kg	19
4-Aminobiphenyl	ND	1800	ug/kg	23
Aniline	ND	370	ug/kg	19
Anthracene	ND	370	ug/kg	35
Benzo(a)anthracene	ND	370	ug/kg	37
Benzo(a)pyrene	ND	370	ug/kg	34
Benzo(b)fluoranthene	ND	370	ug/kg	50
Benzo(ghi)perylene	ND	370	ug/kg	32
Benzo(k)fluoranthene	ND	370	ug/kg	48
Benzyl alcohol	ND	370	ug/kg	110
bis(2-Chloroethoxy) methane	ND	370	ug/kg	42
bis(2-Chloroethyl)-ether	ND	370	ug/kg	42
bis(2-Ethylhexyl) phthalate	ND	370	ug/kg	36
4-Bromophenyl phenyl ether	ND	370	ug/kg	31
Butyl benzyl phthalate	ND	370	ug/kg	40
4-Chloroaniline	ND	370	ug/kg	25
4-Chloro-3-methylphenol	ND	370	ug/kg	32
2-Chloronaphthalene	ND	370	ug/kg	33
2-Chlorophenol	ND	370	ug/kg	64
4-Chlorophenyl phenyl ether	ND	370	ug/kg	26
Chrysene	ND	370	ug/kg	36
Dibenz(a,h)anthracene	ND	370	ug/kg	25
Dibenzofuran	ND	370	ug/kg	35
Di-n-butyl phthalate	ND	370	ug/kg	33
1,2-Dichlorobenzene	ND	370	ug/kg	52
1,3-Dichlorobenzene	ND	370	ug/kg	44
1,4-Dichlorobenzene	ND	370	ug/kg	26
3,3'-Dichlorobenzidine	ND	1800	ug/kg	22
2,4-Dichlorophenol	ND	370	ug/kg	39

(Continued on next page)

TETRA TECH NUS INC

Client Sample ID: MPT-1602-SB01-05

GC/MS Semivolatiles

Lot-Sample #...: C2H060115-002 Work Order #...: E5X8N1AD Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2,6-Dichlorophenol	ND	370	ug/kg	19
Diethyl phthalate	**170 J**	**370**	**ug/kg**	**34**
p-Dimethylaminoazobenzene	ND	740	ug/kg	19
7,12-Dimethylbenz(a)-anthracene	ND	740	ug/kg	52
3,3'-Dimethylbenzidine	ND	1800	ug/kg	29
2,4-Dimethylphenol	ND	370	ug/kg	32
Dimethyl phthalate	ND	370	ug/kg	30
Di-n-octyl phthalate	ND	370	ug/kg	32
1,3-Dinitrobenzene	ND	370	ug/kg	23
4,6-Dinitro-2-methylphenol	ND	1800	ug/kg	24
2,4-Dinitrophenol	ND	1800	ug/kg	560
2,4-Dinitrotoluene	ND	370	ug/kg	34
2,6-Dinitrotoluene	ND	370	ug/kg	28
Ethyl methanesulfonate	ND	370	ug/kg	22
Fluoranthene	ND	370	ug/kg	35
Fluorene	ND	370	ug/kg	32
Hexachlorobenzene	ND	370	ug/kg	30
Hexachlorobutadiene	ND	370	ug/kg	51
Hexachlorocyclopenta-diene	ND	1800	ug/kg	25
Hexachloroethane	ND	370	ug/kg	51
Hexachloropropene	ND	3700	ug/kg	22
Indeno(1,2,3-cd)pyrene	ND	370	ug/kg	26
Isophorone	ND	370	ug/kg	49
Isosafrole	ND	740	ug/kg	19
Methapyrilene	ND	1800	ug/kg	31
3-Methylcholanthrene	ND	1800	ug/kg	19
Methyl methanesulfonate	ND	370	ug/kg	23
2-Methylnaphthalene	ND	370	ug/kg	39
2-Methylphenol	ND	370	ug/kg	55
3-Methylphenol & 4-Methylphenol	ND	740	ug/kg	83
Naphthalene	ND	370	ug/kg	38
1,4-Naphthoquinone	ND	1800	ug/kg	20
1-Naphthylamine	ND	370	ug/kg	27
2-Naphthylamine	ND	370	ug/kg	27
2-Nitroaniline	ND	1800	ug/kg	35
3-Nitroaniline	ND	1800	ug/kg	35
4-Nitroaniline	ND	1800	ug/kg	21
Nitrobenzene	ND	370	ug/kg	46
2-Nitrophenol	ND	370	ug/kg	51

(Continued on next page)

TETRA TECH NUS INC

Client Sample ID: MPT-1602-SB01-05

GC/MS Semivolatiles

Lot-Sample #....: C2H060115-002 Work Order #...: E5X8N1AD Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
4-Nitrophenol	ND	1800	ug/kg	26
4-Nitroquinoline-1-oxide	ND	3700	ug/kg	19
N-Nitrosodi-n-butylamine	ND	370	ug/kg	22
N-Nitrosodiethylamine	ND	370	ug/kg	19
N-Nitrosodimethylamine	ND	370	ug/kg	50
N-Nitrosodi-n-propylamine	ND	370	ug/kg	37
N-Nitrosodiphenylamine	ND	370	ug/kg	42
N-Nitrosomethylethylamine	ND	370	ug/kg	19
N-Nitrosomorpholine	ND	370	ug/kg	24
N-Nitrosopyrrolidine	ND	370	ug/kg	26
5-Nitro-o-toluidine	ND	740	ug/kg	25
2,2'-oxybis(1-Chloropropane)	ND	370	ug/kg	61
Pentachlorobenzene	ND	370	ug/kg	23
Pentachloroethane	**23 J**	**1800**	**ug/kg**	**19**
Pentachloronitrobenzene	ND	1800	ug/kg	27
Pentachlorophenol	ND	1800	ug/kg	26
Phenacetin	ND	740	ug/kg	19
Phenanthrene	ND	370	ug/kg	35
Phenol	ND	370	ug/kg	41
p-Phenylene diamine	ND	7400	ug/kg	25
2-Picoline	ND	740	ug/kg	22
Pronamide	ND	740	ug/kg	19
Pyrene	ND	370	ug/kg	40
Pyridine	ND	740	ug/kg	19
Safrole	ND	740	ug/kg	25
Sulfotepp	ND	1800	ug/kg	19
1,2,4,5-Tetrachlorobenzene	ND	370	ug/kg	22
2,3,4,6-Tetrachlorophenol	ND	370	ug/kg	26
Thionazin	ND	1800	ug/kg	24
o-Toluidine	ND	740	ug/kg	20
1,2,4-Trichlorobenzene	ND	370	ug/kg	39
2,4,5-Trichlorophenol	ND	370	ug/kg	36
2,4,6-Trichlorophenol	ND	370	ug/kg	26
1,3,5-Trinitrobenzene	ND	1800	ug/kg	21
Aramite	ND	1800	ug/kg	20
Carbazole	ND	370	ug/kg	33
Diphenylamine	ND	370	ug/kg	42

(Continued on next page)

TETRA TECH NUS INC

Client Sample ID: MPT-1602-SB01-05

GC/MS Semivolatiles

Lot-Sample #...: C2H060115-002 Work Order #...: E5X8N1AD Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
4-Methylphenol	ND	370	ug/kg	83

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	82	(35 - 116)
2-Fluorobiphenyl	82	(43 - 110)
2-Fluorophenol	59	(11 - 116)
Nitrobenzene-d5	68	(42 - 110)
Phenol-d5	58	(25 - 115)
Terphenyl-d14	62	(37 - 137)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

TETRA TECH NUS INC

MPT-1602-SB01-05

GC/MS Semivolatiles

Lot-Sample #: C2H060115-002 Work Order #: E5X8N1AD Matrix: SOLID

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/kg

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

TETRA TECH NUS INC

Client Sample ID: MPT-1602-SB02-05

GC/MS Semivolatiles

Lot-Sample #...:	C2H060115-006	Work Order #...:	E5X811AD	Matrix.....:	SOLID
Date Sampled...:	08/05/02	Date Received..:	08/06/02	MS Run #.....:	2219089
Prep Date.....:	08/07/02	Analysis Date..:	08/08/02		
Prep Batch #...:	2219222	Analysis Time..:	16:51		
Dilution Factor:	1	Initial Wgt/Vol:	30 g	Final Wgt/Vol..:	1 mL
% Moisture.....:	7.6	Analyst ID.....:	001562	Instrument ID..:	721
		Method.....:	SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	360	ug/kg	28
Acenaphthylene	ND	360	ug/kg	33
Acetophenone	ND	360	ug/kg	53
2-Acetylaminofluorene	ND	710	ug/kg	18
4-Aminobiphenyl	ND	1700	ug/kg	22
Aniline	ND	360	ug/kg	18
Anthracene	ND	360	ug/kg	34
Benzo(a)anthracene	ND	360	ug/kg	35
Benzo(a)pyrene	ND	360	ug/kg	33
Benzo(b)fluoranthene	ND	360	ug/kg	48
Benzo(ghi)perylene	ND	360	ug/kg	31
Benzo(k)fluoranthene	ND	360	ug/kg	46
Benzyl alcohol	ND	360	ug/kg	100
bis(2-Chloroethoxy) methane	ND	360	ug/kg	40
bis(2-Chloroethyl)-ether	ND	360	ug/kg	41
bis(2-Ethylhexyl) phthalate	ND	360	ug/kg	35
4-Bromophenyl phenyl ether	ND	360	ug/kg	30
Butyl benzyl phthalate	ND	360	ug/kg	38
4-Chloroaniline	ND	360	ug/kg	24
4-Chloro-3-methylphenol	ND	360	ug/kg	30
2-Chloronaphthalene	ND	360	ug/kg	32
2-Chlorophenol	ND	360	ug/kg	62
4-Chlorophenyl phenyl ether	ND	360	ug/kg	25
Chrysene	ND	360	ug/kg	35
Dibenz(a,h)anthracene	ND	360	ug/kg	24
Dibenzofuran	ND	360	ug/kg	34
Di-n-butyl phthalate	ND	360	ug/kg	32
1,2-Dichlorobenzene	ND	360	ug/kg	50
1,3-Dichlorobenzene	ND	360	ug/kg	42
1,4-Dichlorobenzene	ND	360	ug/kg	25
3,3'-Dichlorobenzidine	ND	1700	ug/kg	21
2,4-Dichlorophenol	ND	360	ug/kg	37

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TETRA TECH NUS INC

Client Sample ID: MPT-1602-SB02-05

GC/MS Semivolatiles

Lot-Sample #...: C2H060115-006 Work Order #...: E5X811AD Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2,6-Dichlorophenol	ND	360	ug/kg	18
Diethyl phthalate	**180 J**	**360**	**ug/kg**	**33**
p-Dimethylaminoazobenzene	ND	710	ug/kg	18
7,12-Dimethylbenz(a)-anthracene	ND	710	ug/kg	50
3,3'-Dimethylbenzidine	ND	1700	ug/kg	28
2,4-Dimethylphenol	ND	360	ug/kg	31
Dimethyl phthalate	ND	360	ug/kg	29
Di-n-octyl phthalate	ND	360	ug/kg	31
1,3-Dinitrobenzene	ND	360	ug/kg	22
4,6-Dinitro-2-methylphenol	ND	1700	ug/kg	23
2,4-Dinitrophenol	ND	1700	ug/kg	540
2,4-Dinitrotoluene	ND	360	ug/kg	32
2,6-Dinitrotoluene	ND	360	ug/kg	27
Ethyl methanesulfonate	ND	360	ug/kg	21
Fluoranthene	ND	360	ug/kg	33
Fluorene	ND	360	ug/kg	31
Hexachlorobenzene	ND	360	ug/kg	29
Hexachlorobutadiene	ND	360	ug/kg	49
Hexachlorocyclopentadiene	ND	1700	ug/kg	24
Hexachloroethane	ND	360	ug/kg	49
Hexachloropropene	ND	3600	ug/kg	21
Indeno(1,2,3-cd)pyrene	ND	360	ug/kg	25
Isophorone	ND	360	ug/kg	47
Isosafrole	ND	710	ug/kg	18
Methapyrilene	ND	1700	ug/kg	30
3-Methylcholanthrene	ND	1700	ug/kg	18
Methyl methanesulfonate	ND	360	ug/kg	22
2-Methylnaphthalene	ND	360	ug/kg	37
2-Methylphenol	ND	360	ug/kg	53
3-Methylphenol & 4-Methylphenol	ND	710	ug/kg	80
Naphthalene	ND	360	ug/kg	37
1,4-Naphthoquinone	ND	1700	ug/kg	19
1-Naphthylamine	ND	360	ug/kg	26
2-Naphthylamine	ND	360	ug/kg	26
2-Nitroaniline	ND	1700	ug/kg	33
3-Nitroaniline	ND	1700	ug/kg	34
4-Nitroaniline	ND	1700	ug/kg	21
Nitrobenzene	ND	360	ug/kg	45
2-Nitrophenol	ND	360	ug/kg	49

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TETRA TECH NUS INC

Client Sample ID: MPT-1602-SB02-05

GC/MS Semivolatiles

Lot-Sample #...: C2H060115-006 Work Order #...: E5X811AD Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
4-Nitrophenol	ND	1700	ug/kg	25
4-Nitroquinoline-1-oxide	ND	3600	ug/kg	18
N-Nitrosodi-n-butylamine	ND	360	ug/kg	21
N-Nitrosodiethylamine	ND	360	ug/kg	19
N-Nitrosodimethylamine	ND	360	ug/kg	48
N-Nitrosodi-n-propylamine	ND	360	ug/kg	36
N-Nitrosodiphenylamine	ND	360	ug/kg	40
N-Nitrosomethylethylamine	ND	360	ug/kg	18
N-Nitrosomorpholine	ND	360	ug/kg	23
N-Nitrosopyrrolidine	ND	360	ug/kg	25
5-Nitro-o-toluidine	ND	710	ug/kg	24
2,2'-oxybis(1-Chloropropane)	ND	360	ug/kg	58
Pentachlorobenzene	ND	360	ug/kg	22
Pentachloroethane	**47 J**	**1700**	**ug/kg**	**19**
Pentachloronitrobenzene	ND	1700	ug/kg	26
Pentachlorophenol	ND	1700	ug/kg	25
Phenacetin	ND	710	ug/kg	18
Phenanthrene	ND	360	ug/kg	34
Phenol	ND	360	ug/kg	39
p-Phenylene diamine	ND	7100	ug/kg	24
2-Picoline	ND	710	ug/kg	21
Pronamide	ND	710	ug/kg	18
Pyrene	ND	360	ug/kg	39
Pyridine	ND	710	ug/kg	18
Safrole	ND	710	ug/kg	24
Sulfotepp	ND	1700	ug/kg	18
1,2,4,5-Tetrachlorobenzene	ND	360	ug/kg	21
2,3,4,6-Tetrachlorophenol	ND	360	ug/kg	25
Thionazin	ND	1700	ug/kg	23
o-Toluidine	ND	710	ug/kg	19
1,2,4-Trichlorobenzene	ND	360	ug/kg	37
2,4,5-Trichlorophenol	ND	360	ug/kg	34
2,4,6-Trichlorophenol	ND	360	ug/kg	25
1,3,5-Trinitrobenzene	ND	1700	ug/kg	20
Aramite	ND	1700	ug/kg	19
Diphenylamine	ND	360	ug/kg	40
4-Methylphenol	ND	360	ug/kg	80

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TETRA TECH NUS INC

Client Sample ID: MPT-1602-SB02-05

GC/MS Semivolatiles

Lot-Sample #...: C2H060115-006 Work Order #...: E5X811AD Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Carbazole	ND	360	ug/kg	31

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	80	(35 - 116)
2-Fluorobiphenyl	87	(43 - 110)
2-Fluorophenol	64	(11 - 116)
Nitrobenzene-d5	74	(42 - 110)
Phenol-d5	63	(25 - 115)
Terphenyl-d14	64	(37 - 137)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

TETRA TECH NUS INC

MPT-1602-SB02-05

GC/MS Semivolatiles

Lot-Sample #: C2H060115-006 Work Order #: E5X811AD Matrix: SOLID

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/kg

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

TETRA TECH NUS INC

Client Sample ID: MPT-1602-SBDUP01-05

GC/MS Semivolatiles

Lot-Sample #...: C2H060115-009
Date Sampled...: 08/05/02
Prep Date.....: 08/07/02
Prep Batch #...: 2219222
Dilution Factor: 1
% Moisture.....: 11

Work Order #...: E5X9E1AD
Date Received..: 08/06/02
Analysis Date..: 08/08/02
Analysis Time..: 18:38
Initial Wgt/Vol: 30 g
Analyst ID.....: 001562
Method.....: SW846 8270C

Matrix.....: SOLID
MS Run #.....: 2219089

Final Wgt/Vol..: 1 mL
Instrument ID..: 721

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	370	ug/kg	29
Acenaphthylene	ND	370	ug/kg	34
Acetophenone	ND	370	ug/kg	55
2-Acetylaminofluorene	ND	740	ug/kg	19
4-Aminobiphenyl	ND	1800	ug/kg	23
Aniline	ND	370	ug/kg	19
Anthracene	ND	370	ug/kg	35
Benzo(a)anthracene	ND	370	ug/kg	37
Benzo(a)pyrene	ND	370	ug/kg	34
Benzo(b)fluoranthene	ND	370	ug/kg	50
Benzo(ghi)perylene	ND	370	ug/kg	32
Benzo(k)fluoranthene	ND	370	ug/kg	48
Benzyl alcohol	ND	370	ug/kg	110
bis(2-Chloroethoxy) methane	ND	370	ug/kg	42
bis(2-Chloroethyl)-ether	ND	370	ug/kg	42
bis(2-Ethylhexyl) phthalate	ND	370	ug/kg	36
4-Bromophenyl phenyl ether	ND	370	ug/kg	31
Butyl benzyl phthalate	ND	370	ug/kg	40
4-Chloroaniline	ND	370	ug/kg	25
4-Chloro-3-methylphenol	ND	370	ug/kg	32
2-Chloronaphthalene	ND	370	ug/kg	33
2-Chlorophenol	ND	370	ug/kg	64
4-Chlorophenyl phenyl ether	ND	370	ug/kg	26
Chrysene	ND	370	ug/kg	36
Dibenz(a,h)anthracene	ND	370	ug/kg	25
Dibenzofuran	ND	370	ug/kg	35
Di-n-butyl phthalate	ND	370	ug/kg	33
1,2-Dichlorobenzene	ND	370	ug/kg	52
1,3-Dichlorobenzene	ND	370	ug/kg	44
1,4-Dichlorobenzene	ND	370	ug/kg	26
3,3'-Dichlorobenzidine	ND	1800	ug/kg	22
2,4-Dichlorophenol	ND	370	ug/kg	39

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TETRA TECH NUS INC

Client Sample ID: MPT-1602-SBDUP01-05

GC/MS Semivolatiles

Lot-Sample #...: C2H060115-009 Work Order #...: E5X9E1AD Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2,6-Dichlorophenol	ND	370	ug/kg	19
Diethyl phthalate	**300 J**	**370**	**ug/kg**	**34**
p-Dimethylaminoazobenzene	ND	740	ug/kg	19
7,12-Dimethylbenz(a)-anthracene	ND	740	ug/kg	52
3,3'-Dimethylbenzidine	ND	1800	ug/kg	29
2,4-Dimethylphenol	ND	370	ug/kg	32
Dimethyl phthalate	ND	370	ug/kg	30
Di-n-octyl phthalate	ND	370	ug/kg	32
1,3-Dinitrobenzene	ND	370	ug/kg	23
4,6-Dinitro-2-methylphenol	ND	1800	ug/kg	24
2,4-Dinitrophenol	ND	1800	ug/kg	560
2,4-Dinitrotoluene	ND	370	ug/kg	33
2,6-Dinitrotoluene	ND	370	ug/kg	28
Ethyl methanesulfonate	ND	370	ug/kg	22
Fluoranthene	ND	370	ug/kg	35
Fluorene	ND	370	ug/kg	32
Hexachlorobenzene	ND	370	ug/kg	30
Hexachlorobutadiene	ND	370	ug/kg	51
Hexachlorocyclopentadiene	ND	1800	ug/kg	25
Hexachloroethane	ND	370	ug/kg	51
Hexachloropropene	ND	3700	ug/kg	22
Indeno(1,2,3-cd)pyrene	ND	370	ug/kg	26
Isophorone	ND	370	ug/kg	49
Isosafrole	ND	740	ug/kg	19
Methapyrilene	ND	1800	ug/kg	31
3-Methylcholanthrene	ND	1800	ug/kg	19
Methyl methanesulfonate	ND	370	ug/kg	23
2-Methylnaphthalene	ND	370	ug/kg	39
2-Methylphenol	ND	370	ug/kg	55
3-Methylphenol & 4-Methylphenol	ND	740	ug/kg	83
Naphthalene	ND	370	ug/kg	38
1,4-Naphthoquinone	ND	1800	ug/kg	20
1-Naphthylamine	ND	370	ug/kg	27
2-Naphthylamine	ND	370	ug/kg	27
2-Nitroaniline	ND	1800	ug/kg	35
3-Nitroaniline	ND	1800	ug/kg	35
4-Nitroaniline	ND	1800	ug/kg	21
Nitrobenzene	ND	370	ug/kg	46
2-Nitrophenol	ND	370	ug/kg	51

(Continued on next page)

TETRA TECH NUS INC

Client Sample ID: MPT-1602-SBDUP01-05

GC/MS Semivolatiles

Lot-Sample #...: C2H060115-009 Work Order #...: E5X9E1AD Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
4-Nitrophenol	ND	1800	ug/kg	26
4-Nitroquinoline-1-oxide	ND	3700	ug/kg	19
N-Nitrosodi-n-butylamine	ND	370	ug/kg	22
N-Nitrosodiethylamine	ND	370	ug/kg	19
N-Nitrosodimethylamine	ND	370	ug/kg	49
N-Nitrosodi-n-propylamine	ND	370	ug/kg	37
N-Nitrosodiphenylamine	ND	370	ug/kg	42
N-Nitrosomethylethylamine	ND	370	ug/kg	19
N-Nitrosomorpholine	ND	370	ug/kg	24
N-Nitrosopyrrolidine	ND	370	ug/kg	26
5-Nitro-o-toluidine	ND	740	ug/kg	25
2,2'-oxybis(1-Chloropropane)	ND	370	ug/kg	60
Pentachlorobenzene	ND	370	ug/kg	23
Pentachloroethane	**29 J**	**1800**	**ug/kg**	**19**
Pentachloronitrobenzene	ND	1800	ug/kg	27
Pentachlorophenol	ND	1800	ug/kg	25
Phenacetin	ND	740	ug/kg	19
Phenanthrene	ND	370	ug/kg	35
Phenol	ND	370	ug/kg	41
p-Phenylene diamine	ND	7400	ug/kg	25
2-Picoline	ND	740	ug/kg	22
Pronamide	ND	740	ug/kg	19
Pyrene	ND	370	ug/kg	40
Pyridine	ND	740	ug/kg	19
Safrole	ND	740	ug/kg	25
Sulfotepp	ND	1800	ug/kg	19
1,2,4,5-Tetrachlorobenzene	ND	370	ug/kg	22
2,3,4,6-Tetrachlorophenol	ND	370	ug/kg	26
Thionazin	ND	1800	ug/kg	24
o-Toluidine	ND	740	ug/kg	20
1,2,4-Trichlorobenzene	ND	370	ug/kg	39
2,4,5-Trichlorophenol	ND	370	ug/kg	36
2,4,6-Trichlorophenol	ND	370	ug/kg	26
1,3,5-Trinitrobenzene	ND	1800	ug/kg	21
Aramite	ND	1800	ug/kg	20
Diphenylamine	ND	370	ug/kg	42
4-Methylphenol	ND	370	ug/kg	83

(Continued on next page)

TETRA TECH NUS INC

Client Sample ID: MPT-1602-SBDUP01-05

GC/MS Semivolatiles

Lot-Sample #...: C2H060115-009 Work Order #...: E5X9E1AD Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Carbazole	ND	370	ug/kg	33

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	84	(35 - 116)
2-Fluorobiphenyl	91	(43 - 110)
2-Fluorophenol	62	(11 - 116)
Nitrobenzene-d5	74	(42 - 110)
Phenol-d5	63	(25 - 115)
Terphenyl-d14	70	(37 - 137)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

TETRA TECH NUS INC

MPT-1602-SBDUP01-05

GC/MS Semivolatiles

Lot-Sample #: C2H060115-009 Work Order #: E5X9E1AD Matrix: SOLID

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/kg

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

TETRA TECH NUS INC

Client Sample ID: MPT-1602-SB03-05

GC/MS Semivolatiles

Lot-Sample #...:	C2H060115-008	Work Order #...:	E5X891AD	Matrix.....:	SOLID
Date Sampled...:	08/05/02	Date Received..:	08/06/02	MS Run #.....:	2219089
Prep Date.....:	08/07/02	Analysis Date..:	08/08/02		
Prep Batch #...:	2219222	Analysis Time..:	18:11		
Dilution Factor:	1	Initial Wgt/Vol:	30 g	Final Wgt/Vol..:	1 mL
% Moisture.....:	12	Analyst ID.....:	001562	Instrument ID..:	721
		Method.....:	SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	380	ug/kg	30
Acenaphthylene	ND	380	ug/kg	35
Acetophenone	ND	380	ug/kg	56
2-Acetylaminofluorene	ND	750	ug/kg	19
4-Aminobiphenyl	ND	1800	ug/kg	23
Aniline	ND	380	ug/kg	19
Anthracene	ND	380	ug/kg	36
Benzo(a)anthracene	ND	380	ug/kg	37
Benzo(a)pyrene	ND	380	ug/kg	34
Benzo(b)fluoranthene	ND	380	ug/kg	51
Benzo(ghi)perylene	ND	380	ug/kg	33
Benzo(k)fluoranthene	ND	380	ug/kg	49
Benzyl alcohol	ND	380	ug/kg	110
bis(2-Chloroethoxy) methane	ND	380	ug/kg	43
bis(2-Chloroethyl)-ether	ND	380	ug/kg	43
bis(2-Ethylhexyl) phthalate	ND	380	ug/kg	37
4-Bromophenyl phenyl ether	ND	380	ug/kg	31
Butyl benzyl phthalate	ND	380	ug/kg	40
4-Chloroaniline	ND	380	ug/kg	26
4-Chloro-3-methylphenol	ND	380	ug/kg	32
2-Chloronaphthalene	ND	380	ug/kg	34
2-Chlorophenol	ND	380	ug/kg	65
4-Chlorophenyl phenyl ether	ND	380	ug/kg	26
Chrysene	ND	380	ug/kg	37
Dibenz(a,h)anthracene	ND	380	ug/kg	25
Dibenzofuran	ND	380	ug/kg	36
Di-n-butyl phthalate	ND	380	ug/kg	34
1,2-Dichlorobenzene	ND	380	ug/kg	53
1,3-Dichlorobenzene	ND	380	ug/kg	45
1,4-Dichlorobenzene	ND	380	ug/kg	26
3,3'-Dichlorobenzidine	ND	1800	ug/kg	23
2,4-Dichlorophenol	ND	380	ug/kg	39

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TETRA TECH NUS INC

Client Sample ID: MPT-1602-SB03-05

GC/MS Semivolatiles

Lot-Sample #...: C2H060115-008 Work Order #...: E5X891AD Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2,6-Dichlorophenol	ND	380	ug/kg	19
Diethyl phthalate	ND	380	ug/kg	35
p-Dimethylaminoazobenzene	ND	750	ug/kg	19
7,12-Dimethylbenz(a)-anthracene	ND	750	ug/kg	53
3,3'-Dimethylbenzidine	ND	1800	ug/kg	29
2,4-Dimethylphenol	ND	380	ug/kg	33
Dimethyl phthalate	ND	380	ug/kg	31
Di-n-octyl phthalate	ND	380	ug/kg	33
1,3-Dinitrobenzene	ND	380	ug/kg	24
4,6-Dinitro-2-methylphenol	ND	1800	ug/kg	24
2,4-Dinitrophenol	ND	1800	ug/kg	570
2,4-Dinitrotoluene	ND	380	ug/kg	34
2,6-Dinitrotoluene	ND	380	ug/kg	28
Ethyl methanesulfonate	ND	380	ug/kg	22
Fluoranthene	ND	380	ug/kg	35
Fluorene	ND	380	ug/kg	33
Hexachlorobenzene	ND	380	ug/kg	31
Hexachlorobutadiene	ND	380	ug/kg	52
Hexachlorocyclopentadiene	ND	1800	ug/kg	26
Hexachloroethane	ND	380	ug/kg	52
Hexachloropropene	ND	3800	ug/kg	22
Indeno(1,2,3-cd)pyrene	ND	380	ug/kg	27
Isophorone	ND	380	ug/kg	50
Isosafrole	ND	750	ug/kg	19
Methapyrilene	ND	1800	ug/kg	31
3-Methylcholanthrene	ND	1800	ug/kg	19
Methyl methanesulfonate	ND	380	ug/kg	23
2-Methylnaphthalene	ND	380	ug/kg	39
2-Methylphenol	ND	380	ug/kg	56
3-Methylphenol & 4-Methylphenol	ND	750	ug/kg	85
Naphthalene	ND	380	ug/kg	39
1,4-Naphthoquinone	ND	1800	ug/kg	21
1-Naphthylamine	ND	380	ug/kg	28
2-Naphthylamine	ND	380	ug/kg	27
2-Nitroaniline	ND	1800	ug/kg	35
3-Nitroaniline	ND	1800	ug/kg	35
4-Nitroaniline	ND	1800	ug/kg	22
Nitrobenzene	ND	380	ug/kg	47
2-Nitrophenol	ND	380	ug/kg	52

(Continued on next page)

TETRA TECH NUS INC

Client Sample ID: MPT-1602-SB03-05

GC/MS Semivolatiles

Lot-Sample #...: C2H060115-008 Work Order #...: E5X891AD Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
4-Nitrophenol	ND	1800	ug/kg	26
4-Nitroquinoline-1-oxide	ND	3800	ug/kg	19
N-Nitrosodi-n-butylamine	ND	380	ug/kg	22
N-Nitrosodiethylamine	ND	380	ug/kg	20
N-Nitrosodimethylamine	ND	380	ug/kg	50
N-Nitrosodi-n-propylamine	ND	380	ug/kg	38
N-Nitrosodiphenylamine	ND	380	ug/kg	42
N-Nitrosomethylethylamine	ND	380	ug/kg	19
N-Nitrosomorpholine	ND	380	ug/kg	25
N-Nitrosopyrrolidine	ND	380	ug/kg	27
5-Nitro-o-toluidine	ND	750	ug/kg	25
2,2'-oxybis(1-Chloropropane)	ND	380	ug/kg	61
Pentachlorobenzene	ND	380	ug/kg	23
Pentachloroethane	**55 J**	**1800**	**ug/kg**	**20**
Pentachloronitrobenzene	ND	1800	ug/kg	27
Pentachlorophenol	ND	1800	ug/kg	26
Phenacetin	ND	750	ug/kg	19
Phenanthrene	ND	380	ug/kg	36
Phenol	ND	380	ug/kg	41
p-Phenylene diamine	ND	7500	ug/kg	25
2-Picoline	ND	750	ug/kg	23
Pronamide	ND	750	ug/kg	19
Pyrene	ND	380	ug/kg	41
Pyridine	ND	750	ug/kg	19
Safrole	ND	750	ug/kg	25
Sulfotepp	ND	1800	ug/kg	19
1,2,4,5-Tetrachlorobenzene	ND	380	ug/kg	22
2,3,4,6-Tetrachlorophenol	ND	380	ug/kg	27
Thionazin	ND	1800	ug/kg	24
o-Toluidine	ND	750	ug/kg	20
1,2,4-Trichlorobenzene	ND	380	ug/kg	39
2,4,5-Trichlorophenol	ND	380	ug/kg	36
2,4,6-Trichlorophenol	ND	380	ug/kg	26
1,3,5-Trinitrobenzene	ND	1800	ug/kg	21
Aramite	ND	1800	ug/kg	20
Diphenylamine	ND	380	ug/kg	42
4-Methylphenol	ND	380	ug/kg	85

(Continued on next page)

TETRA TECH NUS INC

Client Sample ID: MPT-1602-SB03-05

GC/MS Semivolatiles

Lot-Sample #...: C2H060115-008 Work Order #...: E5X891AD Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Carbazole	ND	380	ug/kg	33

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	82	(35 - 116)
2-Fluorobiphenyl	92	(43 - 110)
2-Fluorophenol	67	(11 - 116)
Nitrobenzene-d5	79	(42 - 110)
Phenol-d5	65	(25 - 115)
Terphenyl-d14	65	(37 - 137)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

TETRA TECH NUS INC

MPT-1602-SB03-05

GC/MS Semivolatiles

Lot-Sample #: C2H060115-008 Work Order #: E5X891AD Matrix: SOLID

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/kg

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

TETRA TECH NUS INC

Client Sample ID: MPT-1602-SB04-05

GC/MS Semivolatiles

Lot-Sample #...: C2H060115-004	Work Order #...: E5X8R1AD	Matrix.....: SOLID
Date Sampled...: 08/05/02	Date Received..: 08/06/02	MS Run #.....: 2219089
Prep Date.....: 08/07/02	Analysis Date..: 08/08/02	
Prep Batch #...: 2219222	Analysis Time..: 15:57	
Dilution Factor: 1	Initial Wgt/Vol: 30 g	Final Wgt/Vol..: 1 mL
% Moisture.....: 7.3	Analyst ID.....: 001562	Instrument ID..: 721
	Method.....: SW846 8270C	

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	360	ug/kg	28
Acenaphthylene	ND	360	ug/kg	33
Acetophenone	ND	360	ug/kg	53
2-Acetylaminofluorene	ND	710	ug/kg	18
4-Aminobiphenyl	ND	1700	ug/kg	22
Aniline	ND	360	ug/kg	18
Anthracene	ND	360	ug/kg	34
Benzo(a)anthracene	ND	360	ug/kg	35
Benzo(a)pyrene	ND	360	ug/kg	32
Benzo(b)fluoranthene	ND	360	ug/kg	48
Benzo(ghi)perylene	ND	360	ug/kg	31
Benzo(k)fluoranthene	ND	360	ug/kg	46
Benzyl alcohol	ND	360	ug/kg	100
bis(2-Chloroethoxy) methane	ND	360	ug/kg	40
bis(2-Chloroethyl)-ether	ND	360	ug/kg	41
bis(2-Ethylhexyl) phthalate	ND	360	ug/kg	35
4-Bromophenyl phenyl ether	ND	360	ug/kg	30
Butyl benzyl phthalate	ND	360	ug/kg	38
4-Chloroaniline	ND	360	ug/kg	24
4-Chloro-3-methylphenol	ND	360	ug/kg	30
2-Chloronaphthalene	ND	360	ug/kg	32
2-Chlorophenol	ND	360	ug/kg	61
4-Chlorophenyl phenyl ether	ND	360	ug/kg	25
Chrysene	ND	360	ug/kg	35
Dibenz(a,h)anthracene	ND	360	ug/kg	24
Dibenzofuran	ND	360	ug/kg	34
Di-n-butyl phthalate	ND	360	ug/kg	32
1,2-Dichlorobenzene	ND	360	ug/kg	50
1,3-Dichlorobenzene	ND	360	ug/kg	42
1,4-Dichlorobenzene	ND	360	ug/kg	25
3,3'-Dichlorobenzidine	ND	1700	ug/kg	21
2,4-Dichlorophenol	ND	360	ug/kg	37

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TETRA TECH NUS INC

Client Sample ID: MPT-1602-SB04-05

GC/MS Semivolatiles

Lot-Sample #...: C2H060115-004 Work Order #...: E5X8R1AD Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2,6-Dichlorophenol	ND	360	ug/kg	18
Diethyl phthalate	**160 J**	**360**	**ug/kg**	**33**
p-Dimethylaminoazobenzene	ND	710	ug/kg	18
7,12-Dimethylbenz(a)-anthracene	ND	710	ug/kg	50
3,3'-Dimethylbenzidine	ND	1700	ug/kg	27
2,4-Dimethylphenol	ND	360	ug/kg	31
Dimethyl phthalate	ND	360	ug/kg	29
Di-n-octyl phthalate	ND	360	ug/kg	31
1,3-Dinitrobenzene	ND	360	ug/kg	22
4,6-Dinitro-2-methylphenol	ND	1700	ug/kg	23
2,4-Dinitrophenol	ND	1700	ug/kg	540
2,4-Dinitrotoluene	ND	360	ug/kg	32
2,6-Dinitrotoluene	ND	360	ug/kg	27
Ethyl methanesulfonate	ND	360	ug/kg	21
Fluoranthene	ND	360	ug/kg	33
Fluorene	ND	360	ug/kg	31
Hexachlorobenzene	ND	360	ug/kg	29
Hexachlorobutadiene	ND	360	ug/kg	49
Hexachlorocyclopentadiene	ND	1700	ug/kg	24
Hexachloroethane	ND	360	ug/kg	49
Hexachloropropene	ND	3600	ug/kg	21
Indeno(1,2,3-cd)pyrene	ND	360	ug/kg	25
Isophorone	ND	360	ug/kg	47
Isosafrole	ND	710	ug/kg	18
Methapyrilene	ND	1700	ug/kg	30
3-Methylcholanthrene	ND	1700	ug/kg	18
Methyl methanesulfonate	ND	360	ug/kg	22
2-Methylnaphthalene	ND	360	ug/kg	37
2-Methylphenol	ND	360	ug/kg	52
3-Methylphenol & 4-Methylphenol	ND	710	ug/kg	80
Naphthalene	ND	360	ug/kg	37
1,4-Naphthoquinone	ND	1700	ug/kg	19
1-Naphthylamine	ND	360	ug/kg	26
2-Naphthylamine	ND	360	ug/kg	26
2-Nitroaniline	ND	1700	ug/kg	33
3-Nitroaniline	ND	1700	ug/kg	33
4-Nitroaniline	ND	1700	ug/kg	21
Nitrobenzene	ND	360	ug/kg	44
2-Nitrophenol	ND	360	ug/kg	49

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TETRA TECH NUS INC

Client Sample ID: MPT-1602-SB04-05

GC/MS Semivolatiles

Lot-Sample #...: C2H060115-004 Work Order #...: E5X8R1AD Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
4-Nitrophenol	ND	1700	ug/kg	25
4-Nitroquinoline-1-oxide	ND	3600	ug/kg	18
N-Nitrosodi-n-butylamine	ND	360	ug/kg	21
N-Nitrosodiethylamine	ND	360	ug/kg	19
N-Nitrosodimethylamine	ND	360	ug/kg	47
N-Nitrosodi-n-propylamine	ND	360	ug/kg	36
N-Nitrosodiphenylamine	ND	360	ug/kg	40
N-Nitrosomethylethylamine	ND	360	ug/kg	18
N-Nitrosomorpholine	ND	360	ug/kg	23
N-Nitrosopyrrolidine	ND	360	ug/kg	25
5-Nitro-o-toluidine	ND	710	ug/kg	24
2,2'-oxybis(1-Chloropropane)	ND	360	ug/kg	58
Pentachlorobenzene	ND	360	ug/kg	22
Pentachloroethane	**48 J**	**1700**	**ug/kg**	**18**
Pentachloronitrobenzene	ND	1700	ug/kg	26
Pentachlorophenol	ND	1700	ug/kg	24
Phenacetin	ND	710	ug/kg	18
Phenanthrene	ND	360	ug/kg	34
Phenol	ND	360	ug/kg	39
p-Phenylene diamine	ND	7100	ug/kg	24
2-Picoline	ND	710	ug/kg	21
Pronamide	ND	710	ug/kg	18
Pyrene	ND	360	ug/kg	39
Pyridine	ND	710	ug/kg	18
Safrole	ND	710	ug/kg	24
Sulfotepp	ND	1700	ug/kg	18
1,2,4,5-Tetrachlorobenzene	ND	360	ug/kg	21
2,3,4,6-Tetrachlorophenol	ND	360	ug/kg	25
Thionazin	ND	1700	ug/kg	23
o-Toluidine	ND	710	ug/kg	19
1,2,4-Trichlorobenzene	ND	360	ug/kg	37
2,4,5-Trichlorophenol	ND	360	ug/kg	34
2,4,6-Trichlorophenol	ND	360	ug/kg	25
1,3,5-Trinitrobenzene	ND	1700	ug/kg	20
Aramite	ND	1700	ug/kg	19
Diphenylamine	ND	360	ug/kg	40
4-Methylphenol	ND	360	ug/kg	80

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TETRA TECH NUS INC

Client Sample ID: MPT-1602-SB04-05

GC/MS Semivolatiles

Lot-Sample #...: C2H060115-004 Work Order #...: E5X8R1AD Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Carbazole	ND	360	ug/kg	31

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	83	(35 - 116)
2-Fluorobiphenyl	90	(43 - 110)
2-Fluorophenol	66	(11 - 116)
Nitrobenzene-d5	75	(42 - 110)
Phenol-d5	63	(25 - 115)
Terphenyl-d14	62	(37 - 137)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

TETRA TECH NUS INC

MPT-1602-SB04-05

GC/MS Semivolatiles

Lot-Sample #: C2H060115-004 Work Order #: E5X8R1AD Matrix: SOLID

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/kg

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

TETRA TECH NUS INC

Client Sample ID: MPT-1602-SS01-01

GC/MS Semivolatiles

Lot-Sample #...:	C2H060115-001	Work Order #...:	E5X8M1AD	Matrix.....:	SOLID
Date Sampled...:	08/05/02	Date Received..:	08/06/02	MS Run #.....:	2219089
Prep Date.....:	08/07/02	Analysis Date..:	08/08/02		
Prep Batch #...:	2219222	Analysis Time..:	13:42		
Dilution Factor:	1	Initial Wgt/Vol:	30 g	Final Wgt/Vol..:	1 mL
% Moisture.....:	5.0	Analyst ID.....:	001562	Instrument ID..:	721
		Method.....:	SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	350	ug/kg	27
Acenaphthylene	ND	350	ug/kg	32
Acetophenone	ND	350	ug/kg	52
2-Acetylaminofluorene	ND	690	ug/kg	18
4-Aminobiphenyl	ND	1700	ug/kg	21
Aniline	ND	350	ug/kg	18
Anthracene	ND	350	ug/kg	33
Benzo(a)anthracene	ND	350	ug/kg	35
Benzo(a)pyrene	ND	350	ug/kg	32
Benzo(b)fluoranthene	ND	350	ug/kg	47
Benzo(ghi)perylene	ND	350	ug/kg	30
Benzo(k)fluoranthene	ND	350	ug/kg	45
Benzyl alcohol	ND	350	ug/kg	100
bis(2-Chloroethoxy) methane	ND	350	ug/kg	39
bis(2-Chloroethyl)-ether	ND	350	ug/kg	40
bis(2-Ethylhexyl) phthalate	ND	350	ug/kg	34
4-Bromophenyl phenyl ether	ND	350	ug/kg	29
Butyl benzyl phthalate	ND	350	ug/kg	37
4-Chloroaniline	ND	350	ug/kg	24
4-Chloro-3-methylphenol	ND	350	ug/kg	30
2-Chloronaphthalene	ND	350	ug/kg	31
2-Chlorophenol	ND	350	ug/kg	60
4-Chlorophenyl phenyl ether	ND	350	ug/kg	24
Chrysene	ND	350	ug/kg	34
Dibenz(a,h)anthracene	ND	350	ug/kg	23
Dibenzofuran	ND	350	ug/kg	33
Di-n-butyl phthalate	ND	350	ug/kg	31
1,2-Dichlorobenzene	ND	350	ug/kg	49
1,3-Dichlorobenzene	ND	350	ug/kg	41
1,4-Dichlorobenzene	ND	350	ug/kg	24
3,3'-Dichlorobenzidine	ND	1700	ug/kg	21
2,4-Dichlorophenol	ND	350	ug/kg	36

(Continued on next page)

TETRA TECH NUS INC

Client Sample ID: MPT-1602-SS01-01

GC/MS Semivolatiles

Lot-Sample #...: C2H060115-001 Work Order #...: E5X8M1AD Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2,6-Dichlorophenol	ND	350	ug/kg	18
Diethyl phthalate	**110 J**	**350**	**ug/kg**	**32**
p-Dimethylaminoazobenzene	ND	690	ug/kg	18
7,12-Dimethylbenz(a)-anthracene	ND	690	ug/kg	49
3,3'-Dimethylbenzidine	ND	1700	ug/kg	27
2,4-Dimethylphenol	ND	350	ug/kg	30
Dimethyl phthalate	ND	350	ug/kg	28
Di-n-octyl phthalate	ND	350	ug/kg	30
1,3-Dinitrobenzene	ND	350	ug/kg	22
4,6-Dinitro-2-methylphenol	ND	1700	ug/kg	22
2,4-Dinitrophenol	ND	1700	ug/kg	520
2,4-Dinitrotoluene	ND	350	ug/kg	31
2,6-Dinitrotoluene	ND	350	ug/kg	26
Ethyl methanesulfonate	ND	350	ug/kg	20
Fluoranthene	ND	350	ug/kg	32
Fluorene	ND	350	ug/kg	30
Hexachlorobenzene	ND	350	ug/kg	28
Hexachlorobutadiene	ND	350	ug/kg	48
Hexachlorocyclopentadiene	ND	1700	ug/kg	23
Hexachloroethane	ND	350	ug/kg	48
Hexachloropropene	ND	3500	ug/kg	20
Indeno(1,2,3-cd)pyrene	ND	350	ug/kg	25
Isophorone	ND	350	ug/kg	46
Isosafrole	ND	690	ug/kg	18
Methapyrilene	ND	1700	ug/kg	29
3-Methylcholanthrene	ND	1700	ug/kg	18
Methyl methanesulfonate	ND	350	ug/kg	21
2-Methylnaphthalene	ND	350	ug/kg	36
2-Methylphenol	ND	350	ug/kg	51
3-Methylphenol & 4-Methylphenol	ND	690	ug/kg	78
Naphthalene	ND	350	ug/kg	36
1,4-Naphthoquinone	ND	1700	ug/kg	19
1-Naphthylamine	ND	350	ug/kg	26
2-Naphthylamine	ND	350	ug/kg	25
2-Nitroaniline	ND	1700	ug/kg	32
3-Nitroaniline	ND	1700	ug/kg	33
4-Nitroaniline	ND	1700	ug/kg	20
Nitrobenzene	ND	350	ug/kg	43
2-Nitrophenol	ND	350	ug/kg	48

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TETRA TECH NUS INC

Client Sample ID: MPT-1602-SS01-01

GC/MS Semivolatiles

Lot-Sample #...: C2H060115-001 Work Order #...: E5X8M1AD Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
4-Nitrophenol	ND	1700	ug/kg	24
4-Nitroquinoline-1-oxide	ND	3500	ug/kg	18
N-Nitrosodi-n-butylamine	ND	350	ug/kg	20
N-Nitrosodiethylamine	ND	350	ug/kg	18
N-Nitrosodimethylamine	ND	350	ug/kg	46
N-Nitrosodi-n-propylamine	ND	350	ug/kg	35
N-Nitrosodiphenylamine	ND	350	ug/kg	39
N-Nitrosomethylethylamine	ND	350	ug/kg	18
N-Nitrosomorpholine	ND	350	ug/kg	23
N-Nitrosopyrrolidine	ND	350	ug/kg	25
5-Nitro-o-toluidine	ND	690	ug/kg	23
2,2'-oxybis(1-Chloropropane)	ND	350	ug/kg	57
Pentachlorobenzene	ND	350	ug/kg	22
Pentachloroethane	ND	1700	ug/kg	18
Pentachloronitrobenzene	ND	1700	ug/kg	25
Pentachlorophenol	ND	1700	ug/kg	24
Phenacetin	ND	690	ug/kg	18
Phenanthrene	ND	350	ug/kg	33
Phenol	ND	350	ug/kg	38
p-Phenylene diamine	ND	6900	ug/kg	23
2-Picoline	ND	690	ug/kg	21
Pronamide	ND	690	ug/kg	18
Pyrene	ND	350	ug/kg	38
Pyridine	ND	690	ug/kg	18
Safrole	ND	690	ug/kg	23
Sulfotepp	ND	1700	ug/kg	18
1,2,4,5-Tetrachlorobenzene	ND	350	ug/kg	21
2,3,4,6-Tetrachlorophenol	ND	350	ug/kg	25
Thionazin	ND	1700	ug/kg	23
o-Toluidine	ND	690	ug/kg	19
1,2,4-Trichlorobenzene	ND	350	ug/kg	36
2,4,5-Trichlorophenol	ND	350	ug/kg	34
2,4,6-Trichlorophenol	ND	350	ug/kg	24
1,3,5-Trinitrobenzene	ND	1700	ug/kg	19
Aramite	ND	1700	ug/kg	19
Diphenylamine	ND	350	ug/kg	39

(Continued on next page)

TETRA TECH NUS INC

Client Sample ID: MPT-1602-SS01-01

GC/MS Semivolatiles

Lot-Sample #...: C2H060115-001 Work Order #...: E5X8M1AD Matrix.....: SOLID

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	82	(35 - 116)
2-Fluorobiphenyl	89	(43 - 110)
2-Fluorophenol	68	(11 - 116)
Nitrobenzene-d5	73	(42 - 110)
Phenol-d5	66	(25 - 115)
Terphenyl-d14	66	(37 - 137)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

TETRA TECH NUS INC

MPT-1602-SS01-01

GC/MS Semivolatiles

Lot-Sample #: C2H060115-001 Work Order #: E5X8M1AD Matrix: SOLID

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/kg

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

TETRA TECH NUS INC

Client Sample ID: MPT-1602-SS02-01

GC/MS Semivolatiles

Lot-Sample #...: C2H060115-005	Work Order #...: E5X8V1AD	Matrix.....: SOLID
Date Sampled...: 08/05/02	Date Received..: 08/06/02	MS Run #.....: 2219089
Prep Date.....: 08/07/02	Analysis Date..: 08/08/02	
Prep Batch #...: 2219222	Analysis Time..: 16:24	
Dilution Factor: 1	Initial Wgt/Vol: 30 g	Final Wgt/Vol..: 1 mL
% Moisture.....: 6.0	Analyst ID.....: 001562	Instrument ID..: 721
	Method.....: SW846 8270C	

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	350	ug/kg	28
Acenaphthylene	ND	350	ug/kg	32
Acetophenone	ND	350	ug/kg	52
2-Acetylaminofluorene	ND	700	ug/kg	18
4-Aminobiphenyl	ND	1700	ug/kg	21
Aniline	ND	350	ug/kg	18
Anthracene	ND	350	ug/kg	34
Benzo(a)anthracene	ND	350	ug/kg	35
Benzo(a)pyrene	ND	350	ug/kg	32
Benzo(b)fluoranthene	ND	350	ug/kg	47
Benzo(ghi)perylene	ND	350	ug/kg	31
Benzo(k)fluoranthene	**45 J**	**350**	**ug/kg**	**45**
Benzyl alcohol	ND	350	ug/kg	100
bis(2-Chloroethoxy) methane	ND	350	ug/kg	40
bis(2-Chloroethyl)-ether	ND	350	ug/kg	40
bis(2-Ethylhexyl) phthalate	ND	350	ug/kg	34
4-Bromophenyl phenyl ether	ND	350	ug/kg	29
Butyl benzyl phthalate	ND	350	ug/kg	37
4-Chloroaniline	ND	350	ug/kg	24
4-Chloro-3-methylphenol	ND	350	ug/kg	30
2-Chloronaphthalene	ND	350	ug/kg	32
2-Chlorophenol	ND	350	ug/kg	61
4-Chlorophenyl phenyl ether	ND	350	ug/kg	24
Chrysene	**36 J**	**350**	**ug/kg**	**34**
Dibenz(a,h)anthracene	ND	350	ug/kg	23
Dibenzofuran	ND	350	ug/kg	33
Di-n-butyl phthalate	ND	350	ug/kg	32
1,2-Dichlorobenzene	ND	350	ug/kg	49
1,3-Dichlorobenzene	ND	350	ug/kg	42
1,4-Dichlorobenzene	ND	350	ug/kg	24
3,3'-Dichlorobenzidine	ND	1700	ug/kg	21
2,4-Dichlorophenol	ND	350	ug/kg	37

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TETRA TECH NUS INC

Client Sample ID: MPT-1602-SS02-01

GC/MS Semivolatiles

Lot-Sample #...: C2H060115-005 Work Order #...: E5X8V1AD Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2,6-Dichlorophenol	ND	350	ug/kg	18
Diethyl phthalate	ND	350	ug/kg	32
p-Dimethylaminoazobenzene	ND	700	ug/kg	18
7,12-Dimethylbenz(a)-anthracene	ND	700	ug/kg	49
3,3'-Dimethylbenzidine	ND	1700	ug/kg	27
2,4-Dimethylphenol	ND	350	ug/kg	30
Dimethyl phthalate	ND	350	ug/kg	29
Di-n-octyl phthalate	ND	350	ug/kg	31
1,3-Dinitrobenzene	ND	350	ug/kg	22
4,6-Dinitro-2-methylphenol	ND	1700	ug/kg	23
2,4-Dinitrophenol	ND	1700	ug/kg	530
2,4-Dinitrotoluene	ND	350	ug/kg	32
2,6-Dinitrotoluene	ND	350	ug/kg	26
Ethyl methanesulfonate	ND	350	ug/kg	21
Fluoranthene	ND	350	ug/kg	33
Fluorene	ND	350	ug/kg	31
Hexachlorobenzene	ND	350	ug/kg	29
Hexachlorobutadiene	ND	350	ug/kg	48
Hexachlorocyclopentadiene	ND	1700	ug/kg	24
Hexachloroethane	ND	350	ug/kg	48
Hexachloropropene	ND	3500	ug/kg	20
Indeno(1,2,3-cd)pyrene	ND	350	ug/kg	25
Isophorone	ND	350	ug/kg	46
Isosafrole	ND	700	ug/kg	18
Methapyrilene	ND	1700	ug/kg	29
3-Methylcholanthrene	ND	1700	ug/kg	18
Methyl methanesulfonate	ND	350	ug/kg	22
2-Methylnaphthalene	ND	350	ug/kg	36
2-Methylphenol	ND	350	ug/kg	52
3-Methylphenol & 4-Methylphenol	ND	700	ug/kg	79
Naphthalene	ND	350	ug/kg	36
1,4-Naphthoquinone	ND	1700	ug/kg	19
1-Naphthylamine	ND	350	ug/kg	26
2-Naphthylamine	ND	350	ug/kg	26
2-Nitroaniline	ND	1700	ug/kg	33
3-Nitroaniline	ND	1700	ug/kg	33
4-Nitroaniline	ND	1700	ug/kg	20
Nitrobenzene	ND	350	ug/kg	44
2-Nitrophenol	ND	350	ug/kg	48

(Continued on next page)

TETRA TECH NUS INC

Client Sample ID: MPT-1602-SS02-01

GC/MS Semivolatiles

Lot-Sample #...: C2H060115-005 Work Order #...: E5X8V1AD Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
4-Nitrophenol	ND	1700	ug/kg	24
4-Nitroquinoline-1-oxide	ND	3500	ug/kg	18
N-Nitrosodi-n-butylamine	ND	350	ug/kg	21
N-Nitrosodiethylamine	ND	350	ug/kg	18
N-Nitrosodimethylamine	ND	350	ug/kg	47
N-Nitrosodi-n-propylamine	ND	350	ug/kg	35
N-Nitrosodiphenylamine	ND	350	ug/kg	39
N-Nitrosomethylethylamine	ND	350	ug/kg	18
N-Nitrosomorpholine	ND	350	ug/kg	23
N-Nitrosopyrrolidine	ND	350	ug/kg	25
5-Nitro-o-toluidine	ND	700	ug/kg	24
2,2'-oxybis(1-Chloropropane)	ND	350	ug/kg	57
Pentachlorobenzene	ND	350	ug/kg	22
Pentachloroethane	**53 J**	**1700**	**ug/kg**	**18**
Pentachloronitrobenzene	ND	1700	ug/kg	26
Pentachlorophenol	ND	1700	ug/kg	24
Phenacetin	ND	700	ug/kg	18
Phenanthrene	ND	350	ug/kg	34
Phenol	ND	350	ug/kg	39
p-Phenylene diamine	ND	7000	ug/kg	23
2-Picoline	ND	700	ug/kg	21
Pronamide	ND	700	ug/kg	18
Pyrene	ND	350	ug/kg	38
Pyridine	ND	700	ug/kg	18
Safrole	ND	700	ug/kg	23
Sulfotepp	ND	1700	ug/kg	18
1,2,4,5-Tetrachlorobenzene	ND	350	ug/kg	21
2,3,4,6-Tetrachlorophenol	ND	350	ug/kg	25
Thionazin	ND	1700	ug/kg	23
o-Toluidine	ND	700	ug/kg	19
1,2,4-Trichlorobenzene	ND	350	ug/kg	37
2,4,5-Trichlorophenol	ND	350	ug/kg	34
2,4,6-Trichlorophenol	ND	350	ug/kg	25
1,3,5-Trinitrobenzene	ND	1700	ug/kg	20
Aramite	ND	1700	ug/kg	19
Diphenylamine	ND	350	ug/kg	39
4-Methylphenol	ND	350	ug/kg	79

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TETRA TECH NUS INC

Client Sample ID: MPT-1602-SS02-01

GC/MS Semivolatiles

Lot-Sample #...: C2H060115-005 Work Order #...: E5X8V1AD Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Carbazole	ND	350	ug/kg	31

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	83	(35 - 116)
2-Fluorobiphenyl	96	(43 - 110)
2-Fluorophenol	67	(11 - 116)
Nitrobenzene-d5	80	(42 - 110)
Phenol-d5	65	(25 - 115)
Terphenyl-d14	63	(37 - 137)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

TETRA TECH NUS INC

MPT-1602-SS02-01

GC/MS Semivolatiles

Lot-Sample #: C2H060115-005 Work Order #: E5X8V1AD Matrix: SOLID

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/kg

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

TETRA TECH NUS INC

Client Sample ID: MPT-1602-SS03-01

GC/MS Semivolatiles

Lot-Sample #...: C2H060115-007	Work Order #...: E5X831AD	Matrix.....: SOLID
Date Sampled...: 08/05/02	Date Received..: 08/06/02	MS Run #.....: 2219089
Prep Date.....: 08/07/02	Analysis Date..: 08/08/02	
Prep Batch #...: 2219222	Analysis Time..: 17:18	
Dilution Factor: 1	Initial Wgt/Vol: 30 g	Final Wgt/Vol..: 1 mL
% Moisture.....: 5.8	Analyst ID.....: 001562	Instrument ID..: 721
	Method.....: SW846 8270C	

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	350	ug/kg	28
Acenaphthylene	ND	350	ug/kg	32
Acetophenone	ND	350	ug/kg	52
2-Acetylaminofluorene	ND	700	ug/kg	18
4-Aminobiphenyl	ND	1700	ug/kg	21
Aniline	ND	350	ug/kg	18
Anthracene	ND	350	ug/kg	33
Benzo(a)anthracene	ND	350	ug/kg	35
Benzo(a)pyrene	ND	350	ug/kg	32
Benzo(b)fluoranthene	ND	350	ug/kg	47
Benzo(ghi)perylene	ND	350	ug/kg	30
Benzo(k)fluoranthene	ND	350	ug/kg	45
Benzyl alcohol	ND	350	ug/kg	100
bis(2-Chloroethoxy) methane	ND	350	ug/kg	39
bis(2-Chloroethyl)- ether	ND	350	ug/kg	40
bis(2-Ethylhexyl) phthalate	ND	350	ug/kg	34
4-Bromophenyl phenyl ether	ND	350	ug/kg	29
Butyl benzyl phthalate	ND	350	ug/kg	37
4-Chloroaniline	ND	350	ug/kg	24
4-Chloro-3-methylphenol	ND	350	ug/kg	30
2-Chloronaphthalene	ND	350	ug/kg	31
2-Chlorophenol	ND	350	ug/kg	60
4-Chlorophenyl phenyl ether	ND	350	ug/kg	24
Chrysene	ND	350	ug/kg	34
Dibenz(a,h)anthracene	ND	350	ug/kg	23
Dibenzofuran	ND	350	ug/kg	33
Di-n-butyl phthalate	ND	350	ug/kg	31
1,2-Dichlorobenzene	ND	350	ug/kg	49
1,3-Dichlorobenzene	ND	350	ug/kg	42
1,4-Dichlorobenzene	ND	350	ug/kg	24
3,3'-Dichlorobenzidine	ND	1700	ug/kg	21
2,4-Dichlorophenol	ND	350	ug/kg	37

(Continued on next page)

TETRA TECH NUS INC

Client Sample ID: MPT-1602-SS03-01

GC/MS Semivolatiles

Lot-Sample #...: C2H060115-007 Work Order #...: E5X831AD Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2,6-Dichlorophenol	ND	350	ug/kg	18
Diethyl phthalate	ND	350	ug/kg	32
p-Dimethylaminoazobenzene	ND	700	ug/kg	18
7,12-Dimethylbenz(a)-anthracene	ND	700	ug/kg	49
3,3'-Dimethylbenzidine	ND	1700	ug/kg	27
2,4-Dimethylphenol	ND	350	ug/kg	30
Dimethyl phthalate	ND	350	ug/kg	29
Di-n-octyl phthalate	ND	350	ug/kg	30
1,3-Dinitrobenzene	ND	350	ug/kg	22
4,6-Dinitro-2-methylphenol	ND	1700	ug/kg	23
2,4-Dinitrophenol	ND	1700	ug/kg	530
2,4-Dinitrotoluene	ND	350	ug/kg	32
2,6-Dinitrotoluene	ND	350	ug/kg	26
Ethyl methanesulfonate	ND	350	ug/kg	21
Fluoranthene	ND	350	ug/kg	33
Fluorene	ND	350	ug/kg	31
Hexachlorobenzene	ND	350	ug/kg	29
Hexachlorobutadiene	ND	350	ug/kg	48
Hexachlorocyclopentadiene	ND	1700	ug/kg	24
Hexachloroethane	ND	350	ug/kg	48
Hexachloropropene	ND	3500	ug/kg	20
Indeno(1,2,3-cd)pyrene	ND	350	ug/kg	25
Isophorone	ND	350	ug/kg	46
Isosafrole	ND	700	ug/kg	18
Methapyrilene	ND	1700	ug/kg	29
3-Methylcholanthrene	ND	1700	ug/kg	18
Methyl methanesulfonate	ND	350	ug/kg	22
2-Methylnaphthalene	ND	350	ug/kg	36
2-Methylphenol	ND	350	ug/kg	52
3-Methylphenol & 4-Methylphenol	ND	700	ug/kg	79
Naphthalene	ND	350	ug/kg	36
1,4-Naphthoquinone	ND	1700	ug/kg	19
1-Naphthylamine	ND	350	ug/kg	26
2-Naphthylamine	ND	350	ug/kg	25
2-Nitroaniline	ND	1700	ug/kg	33
3-Nitroaniline	ND	1700	ug/kg	33
4-Nitroaniline	ND	1700	ug/kg	20
Nitrobenzene	ND	350	ug/kg	44
2-Nitrophenol	ND	350	ug/kg	48

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TETRA TECH NUS INC

Client Sample ID: MPT-1602-SS03-01

GC/MS Semivolatiles

Lot-Sample #...: C2H060115-007 Work Order #...: E5X831AD Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
4-Nitrophenol	ND	1700	ug/kg	24
4-Nitroquinoline-1-oxide	ND	3500	ug/kg	18
N-Nitrosodi-n-butylamine	ND	350	ug/kg	21
N-Nitrosodiethylamine	ND	350	ug/kg	18
N-Nitrosodimethylamine	ND	350	ug/kg	47
N-Nitrosodi-n-propylamine	ND	350	ug/kg	35
N-Nitrosodiphenylamine	ND	350	ug/kg	39
N-Nitrosomethylethylamine	ND	350	ug/kg	18
N-Nitrosomorpholine	ND	350	ug/kg	23
N-Nitrosopyrrolidine	ND	350	ug/kg	25
5-Nitro-o-toluidine	ND	700	ug/kg	24
2,2'-oxybis(1-Chloropropane)	ND	350	ug/kg	57
Pentachlorobenzene	ND	350	ug/kg	22
Pentachloroethane	**38 J**	**1700**	**ug/kg**	**18**
Pentachloronitrobenzene	ND	1700	ug/kg	25
Pentachlorophenol	ND	1700	ug/kg	24
Phenacetin	ND	700	ug/kg	18
Phenanthrene	ND	350	ug/kg	33
Phenol	ND	350	ug/kg	38
p-Phenylene diamine	ND	7000	ug/kg	23
2-Picoline	ND	700	ug/kg	21
Pronamide	ND	700	ug/kg	18
Pyrene	ND	350	ug/kg	38
Pyridine	ND	700	ug/kg	18
Safrole	ND	700	ug/kg	23
Sulfotepp	ND	1700	ug/kg	18
1,2,4,5-Tetrachlorobenzene	ND	350	ug/kg	21
2,3,4,6-Tetrachlorophenol	ND	350	ug/kg	25
Thionazin	ND	1700	ug/kg	23
o-Toluidine	ND	700	ug/kg	19
1,2,4-Trichlorobenzene	ND	350	ug/kg	37
2,4,5-Trichlorophenol	ND	350	ug/kg	34
2,4,6-Trichlorophenol	ND	350	ug/kg	25
1,3,5-Trinitrobenzene	ND	1700	ug/kg	20
Aramite	ND	1700	ug/kg	19
Diphenylamine	ND	350	ug/kg	39
4-Methylphenol	ND	350	ug/kg	79

(Continued on next page)

TETRA TECH NUS INC

Client Sample ID: MPT-1602-SS03-01

GC/MS Semivolatiles

Lot-Sample #...: C2H060115-007 Work Order #...: E5X831AD Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Carbazole	ND	350	ug/kg	31

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	84	(35 - 116)
2-Fluorobiphenyl	95	(43 - 110)
2-Fluorophenol	67	(11 - 116)
Nitrobenzene-d5	78	(42 - 110)
Phenol-d5	66	(25 - 115)
Terphenyl-d14	68	(37 - 137)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

TETRA TECH NUS INC

MPT-1602-SS03-01

GC/MS Semivolatiles

Lot-Sample #: C2H060115-007 Work Order #: E5X831AD Matrix: SOLID

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/kg

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

TETRA TECH NUS INC

Client Sample ID: MPT-1602-SS04-01

GC/MS Semivolatiles

Lot-Sample #...:	C2H060115-003	Work Order #...:	E5X8P1AD	Matrix.....:	SOLID
Date Sampled...:	08/05/02	Date Received..:	08/06/02	MS Run #.....:	2219089
Prep Date.....:	08/07/02	Analysis Date..:	08/08/02		
Prep Batch #...:	2219222	Analysis Time..:	15:30		
Dilution Factor:	1	Initial Wgt/Vol:	30 g	Final Wgt/Vol..:	1 mL
% Moisture.....:	5.6	Analyst ID.....:	001562	Instrument ID..:	721
		Method.....:	SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	350	ug/kg	28
Acenaphthylene	ND	350	ug/kg	32
Acetophenone	ND	350	ug/kg	52
2-Acetylaminofluorene	ND	700	ug/kg	18
4-Aminobiphenyl	ND	1700	ug/kg	21
Aniline	ND	350	ug/kg	18
Anthracene	ND	350	ug/kg	33
Benzo(a)anthracene	ND	350	ug/kg	35
Benzo(a)pyrene	ND	350	ug/kg	32
Benzo(b)fluoranthene	**48 J**	**350**	**ug/kg**	**47**
Benzo(ghi)perylene	ND	350	ug/kg	30
Benzo(k)fluoranthene	ND	350	ug/kg	45
Benzyl alcohol	ND	350	ug/kg	100
bis(2-Chloroethoxy) methane	ND	350	ug/kg	39
bis(2-Chloroethyl)-ether	ND	350	ug/kg	40
bis(2-Ethylhexyl) phthalate	ND	350	ug/kg	34
4-Bromophenyl phenyl ether	ND	350	ug/kg	29
Butyl benzyl phthalate	ND	350	ug/kg	37
4-Chloroaniline	ND	350	ug/kg	24
4-Chloro-3-methylphenol	ND	350	ug/kg	30
2-Chloronaphthalene	ND	350	ug/kg	31
2-Chlorophenol	ND	350	ug/kg	60
4-Chlorophenyl phenyl ether	ND	350	ug/kg	24
Chrysene	**43 J**	**350**	**ug/kg**	**34**
Dibenz(a,h)anthracene	ND	350	ug/kg	23
Dibenzofuran	ND	350	ug/kg	33
Di-n-butyl phthalate	ND	350	ug/kg	31
1,2-Dichlorobenzene	ND	350	ug/kg	49
1,3-Dichlorobenzene	ND	350	ug/kg	42
1,4-Dichlorobenzene	ND	350	ug/kg	24
3,3'-Dichlorobenzidine	ND	1700	ug/kg	21
2,4-Dichlorophenol	ND	350	ug/kg	37

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TETRA TECH NUS INC

Client Sample ID: MPT-1602-SS04-01

GC/MS Semivolatiles

Lot-Sample #...: C2H060115-003 Work Order #...: E5X8P1AD Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2,6-Dichlorophenol	ND	350	ug/kg	18
Diethyl phthalate	**88 J**	**350**	**ug/kg**	**32**
p-Dimethylaminoazobenzene	ND	700	ug/kg	18
7,12-Dimethylbenz(a)-anthracene	ND	700	ug/kg	49
3,3'-Dimethylbenzidine	ND	1700	ug/kg	27
2,4-Dimethylphenol	ND	350	ug/kg	30
Dimethyl phthalate	ND	350	ug/kg	28
Di-n-octyl phthalate	ND	350	ug/kg	30
1,3-Dinitrobenzene	ND	350	ug/kg	22
4,6-Dinitro-2-methylphenol	ND	1700	ug/kg	22
2,4-Dinitrophenol	ND	1700	ug/kg	530
2,4-Dinitrotoluene	ND	350	ug/kg	32
2,6-Dinitrotoluene	ND	350	ug/kg	26
Ethyl methanesulfonate	ND	350	ug/kg	21
Fluoranthene	ND	350	ug/kg	33
Fluorene	ND	350	ug/kg	30
Hexachlorobenzene	ND	350	ug/kg	29
Hexachlorobutadiene	ND	350	ug/kg	48
Hexachlorocyclopentadiene	ND	1700	ug/kg	24
Hexachloroethane	ND	350	ug/kg	48
Hexachloropropene	ND	3500	ug/kg	20
Indeno(1,2,3-cd)pyrene	ND	350	ug/kg	25
Isophorone	ND	350	ug/kg	46
Isosafrole	ND	700	ug/kg	18
Methapyrilene	ND	1700	ug/kg	29
3-Methylcholanthrene	ND	1700	ug/kg	18
Methyl methanesulfonate	ND	350	ug/kg	22
2-Methylnaphthalene	ND	350	ug/kg	36
2-Methylphenol	ND	350	ug/kg	52
3-Methylphenol & 4-Methylphenol	ND	700	ug/kg	79
Naphthalene	ND	350	ug/kg	36
1,4-Naphthoquinone	ND	1700	ug/kg	19
1-Naphthylamine	ND	350	ug/kg	26
2-Naphthylamine	ND	350	ug/kg	25
2-Nitroaniline	ND	1700	ug/kg	33
3-Nitroaniline	ND	1700	ug/kg	33
4-Nitroaniline	ND	1700	ug/kg	20
Nitrobenzene	ND	350	ug/kg	44
2-Nitrophenol	ND	350	ug/kg	48

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TETRA TECH NUS INC

Client Sample ID: MPT-1602-SS04-01

GC/MS Semivolatiles

Lot-Sample #...: C2H060115-003 Work Order #...: E5X8P1AD Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
4-Nitrophenol	ND	1700	ug/kg	24
4-Nitroquinoline-1-oxide	ND	3500	ug/kg	18
N-Nitrosodi-n-butylamine	ND	350	ug/kg	21
N-Nitrosodiethylamine	ND	350	ug/kg	18
N-Nitrosodimethylamine	ND	350	ug/kg	47
N-Nitrosodi-n-propylamine	ND	350	ug/kg	35
N-Nitrosodiphenylamine	ND	350	ug/kg	39
N-Nitrosomethylethylamine	ND	350	ug/kg	18
N-Nitrosomorpholine	ND	350	ug/kg	23
N-Nitrosopyrrolidine	ND	350	ug/kg	25
5-Nitro-o-toluidine	ND	700	ug/kg	24
2,2'-oxybis(1-Chloropropane)	ND	350	ug/kg	57
Pentachlorobenzene	ND	350	ug/kg	22
Pentachloroethane	**39 J**	**1700**	**ug/kg**	**18**
Pentachloronitrobenzene	ND	1700	ug/kg	25
Pentachlorophenol	ND	1700	ug/kg	24
Phenacetin	ND	700	ug/kg	18
Phenanthrene	ND	350	ug/kg	33
Phenol	ND	350	ug/kg	38
p-Phenylene diamine	ND	7000	ug/kg	23
2-Picoline	ND	700	ug/kg	21
Pronamide	ND	700	ug/kg	18
Pyrene	ND	350	ug/kg	38
Pyridine	ND	700	ug/kg	18
Safrole	ND	700	ug/kg	23
Sulfotepp	ND	1700	ug/kg	18
1,2,4,5-Tetrachlorobenzene	ND	350	ug/kg	21
2,3,4,6-Tetrachlorophenol	ND	350	ug/kg	25
Thionazin	ND	1700	ug/kg	23
o-Toluidine	ND	700	ug/kg	19
1,2,4-Trichlorobenzene	ND	350	ug/kg	37
2,4,5-Trichlorophenol	ND	350	ug/kg	34
2,4,6-Trichlorophenol	ND	350	ug/kg	24
1,3,5-Trinitrobenzene	ND	1700	ug/kg	20
Aramite	ND	1700	ug/kg	19
Diphenylamine	ND	350	ug/kg	39
4-Methylphenol	ND	350	ug/kg	79

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TETRA TECH NUS INC

Client Sample ID: MPT-1602-SS04-01

GC/MS Semivolatiles

Lot-Sample #...: C2H060115-003 Work Order #...: E5X8P1AD Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Carbazole	ND	350	ug/kg	31

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	82	(35 - 116)
2-Fluorobiphenyl	90	(43 - 110)
2-Fluorophenol	64	(11 - 116)
Nitrobenzene-d5	76	(42 - 110)
Phenol-d5	63	(25 - 115)
Terphenyl-d14	63	(37 - 137)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

TETRA TECH NUS INC

MPT-1602-SS04-01

GC/MS Semivolatiles

Lot-Sample #: C2H060115-003 Work Order #: E5X8P1AD Matrix: SOLID

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/kg

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

TETRA TECH NUS INC

Client Sample ID: MPT-1602-SB01-05

GC Semivolatiles

Lot-Sample #...:	C2H060115-002	Work Order #...:	E5X8N1AE	Matrix.....:	SOLID
Date Sampled...:	08/05/02	Date Received..:	08/06/02	MS Run #.....:	2219208
Prep Date.....:	08/07/02	Analysis Date..:	08/13/02		
Prep Batch #...:	2219467	Analysis Time..:	17:07		
Dilution Factor:	1	Initial Wgt/Vol:	30 g	Final Wgt/Vol..:	10 mL
% Moisture.....:	11	Analyst ID.....:	010139	Instrument ID..:	G/H
		Method.....:	SW846 8081A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
alpha-BHC	ND	1.9	ug/kg	0.13
beta-BHC	ND	1.9	ug/kg	0.19
delta-BHC	ND	1.9	ug/kg	0.12
gamma-BHC (Lindane)	ND	1.9	ug/kg	0.16
Heptachlor	ND	1.9	ug/kg	0.21
Aldrin	ND	1.9	ug/kg	0.17
Heptachlor epoxide	ND	1.9	ug/kg	0.14
Endosulfan I	ND	1.9	ug/kg	0.32
Dieldrin	ND	1.9	ug/kg	0.14
4,4'-DDE	ND	1.9	ug/kg	0.14
Endrin	ND	1.9	ug/kg	0.15
Endrin ketone	ND	1.9	ug/kg	0.23
Endrin aldehyde	ND	1.9	ug/kg	0.15
Endosulfan II	ND	1.9	ug/kg	0.18
4,4'-DDD	ND	1.9	ug/kg	0.46
Endosulfan sulfate	ND	1.9	ug/kg	0.19
4,4'-DDT	ND	1.9	ug/kg	0.16
Methoxychlor	ND	3.7	ug/kg	0.55
alpha-Chlordane	ND	1.9	ug/kg	0.25
gamma-Chlordane	ND	1.9	ug/kg	0.18
Toxaphene	ND	75	ug/kg	3.5

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	68	(31 - 131)
Decachlorobiphenyl	91	(18 - 145)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

TETRA TECH NUS INC

Client Sample ID: MPT-1602-SB02-05

GC Semivolatiles

Lot-Sample #...:	C2H060115-006	Work Order #...:	E5X811AE	Matrix.....:	SOLID
Date Sampled...:	08/05/02	Date Received..:	08/06/02	MS Run #.....:	2219208
Prep Date.....:	08/07/02	Analysis Date..:	08/13/02		
Prep Batch #...:	2219467	Analysis Time..:	19:52		
Dilution Factor:	1	Initial Wgt/Vol:	30 g	Final Wgt/Vol..:	10 mL
% Moisture.....:	7.6	Analyst ID.....:	010139	Instrument ID..:	G/H
		Method.....:	SW846 8081A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
alpha-BHC	ND	1.8	ug/kg	0.12
beta-BHC	ND	1.8	ug/kg	0.19
delta-BHC	ND	1.8	ug/kg	0.12
gamma-BHC (Lindane)	ND	1.8	ug/kg	0.16
Heptachlor	ND	1.8	ug/kg	0.20
Aldrin	ND	1.8	ug/kg	0.16
Heptachlor epoxide	ND	1.8	ug/kg	0.13
Endosulfan I	ND	1.8	ug/kg	0.31
Dieldrin	ND	1.8	ug/kg	0.13
4,4'-DDE	**0.79 J**	**1.8**	**ug/kg**	**0.14**
Endrin	ND	1.8	ug/kg	0.14
Endrin ketone	ND	1.8	ug/kg	0.23
Endrin aldehyde	ND	1.8	ug/kg	0.15
Endosulfan II	ND	1.8	ug/kg	0.17
4,4'-DDD	ND	1.8	ug/kg	0.44
Endosulfan sulfate	ND	1.8	ug/kg	0.18
4,4'-DDT	**1.2 J**	**1.8**	**ug/kg**	**0.15**
Methoxychlor	ND	3.6	ug/kg	0.53
alpha-Chlordane	ND	1.8	ug/kg	0.24
gamma-Chlordane	ND	1.8	ug/kg	0.17
Toxaphene	ND	72	ug/kg	3.4

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	59	(31 - 131)
Decachlorobiphenyl	89	(18 - 145)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

TETRA TECH NUS INC

Client Sample ID: MPT-1602-SBDUP01-05

GC Semivolatiles

Lot-Sample #...:	C2H060115-009	Work Order #...:	E5X9E1AE	Matrix.....:	SOLID
Date Sampled...:	08/05/02	Date Received..:	08/06/02	MS Run #.....:	2219208
Prep Date.....:	08/07/02	Analysis Date..:	08/13/02		
Prep Batch #...:	2219467	Analysis Time..:	21:15		
Dilution Factor:	1	Initial Wgt/Vol:	30 g	Final Wgt/Vol..:	10 mL
% Moisture.....:	11	Analyst ID.....:	010139	Instrument ID..:	G/H
		Method.....:	SW846 8081A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
alpha-BHC	ND	1.9	ug/kg	0.13
beta-BHC	ND	1.9	ug/kg	0.19
delta-BHC	ND	1.9	ug/kg	0.12
gamma-BHC (Lindane)	ND	1.9	ug/kg	0.16
Heptachlor	ND	1.9	ug/kg	0.21
Aldrin	ND	1.9	ug/kg	0.17
Heptachlor epoxide	ND	1.9	ug/kg	0.14
Endosulfan I	ND	1.9	ug/kg	0.32
Dieldrin	ND	1.9	ug/kg	0.14
4,4'-DDE	**1.9**	**1.9**	**ug/kg**	**0.14**
Endrin	ND	1.9	ug/kg	0.14
Endrin ketone	ND	1.9	ug/kg	0.23
Endrin aldehyde	**0.41 J**	**1.9**	**ug/kg**	**0.15**
Endosulfan II	ND	1.9	ug/kg	0.18
4,4'-DDD	ND	1.9	ug/kg	0.46
Endosulfan sulfate	ND	1.9	ug/kg	0.19
4,4'-DDT	**2.7**	**1.9**	**ug/kg**	**0.16**
Methoxychlor	ND	3.7	ug/kg	0.55
alpha-Chlordane	ND	1.9	ug/kg	0.25
gamma-Chlordane	ND	1.9	ug/kg	0.18
Toxaphene	ND	75	ug/kg	3.5

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	70	(31 - 131)
Decachlorobiphenyl	85	(18 - 145)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

TETRA TECH NUS INC

Client Sample ID: MPT-1602-SB03-05

GC Semivolatiles

Lot-Sample #...:	C2H060115-008	Work Order #...:	E5X891AE	Matrix.....:	SOLID
Date Sampled...:	08/05/02	Date Received..:	08/06/02	MS Run #.....:	2219208
Prep Date.....:	08/07/02	Analysis Date..:	08/13/02		
Prep Batch #...:	2219467	Analysis Time..:	20:47		
Dilution Factor:	1	Initial Wgt/Vol:	30 g	Final Wgt/Vol..:	10 mL
% Moisture.....:	12	Analyst ID.....:	010139	Instrument ID..:	G/H
		Method.....:	SW846 8081A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
alpha-BHC	ND	1.9	ug/kg	0.13
beta-BHC	ND	1.9	ug/kg	0.20
delta-BHC	ND	1.9	ug/kg	0.12
gamma-BHC (Lindane)	ND	1.9	ug/kg	0.17
Heptachlor	ND	1.9	ug/kg	0.21
Aldrin	ND	1.9	ug/kg	0.17
Heptachlor epoxide	ND	1.9	ug/kg	0.14
Endosulfan I	ND	1.9	ug/kg	0.32
Dieldrin	ND	1.9	ug/kg	0.14
4,4'-DDE	ND	1.9	ug/kg	0.14
Endrin	ND	1.9	ug/kg	0.15
Endrin ketone	ND	1.9	ug/kg	0.24
Endrin aldehyde	ND	1.9	ug/kg	0.16
Endosulfan II	ND	1.9	ug/kg	0.18
4,4'-DDD	ND	1.9	ug/kg	0.46
Endosulfan sulfate	ND	1.9	ug/kg	0.19
4,4'-DDT	ND	1.9	ug/kg	0.16
Methoxychlor	ND	3.8	ug/kg	0.56
alpha-Chlordane	ND	1.9	ug/kg	0.25
gamma-Chlordane	ND	1.9	ug/kg	0.18
Toxaphene	ND	77	ug/kg	3.6

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	71	(31 - 131)
Decachlorobiphenyl	87	(18 - 145)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

TETRA TECH NUS INC

Client Sample ID: MPT-1602-SB04-05

GC Semivolatiles

Lot-Sample #...:	C2H060115-004	**Work Order #...:**	E5X8R1AE	**Matrix.....:**	SOLID
Date Sampled...:	08/05/02	**Date Received..:**	08/06/02	**MS Run #.....:**	2219208
Prep Date.....:	08/07/02	**Analysis Date..:**	08/13/02		
Prep Batch #...:	2219467	**Analysis Time..:**	18:57		
Dilution Factor:	1	**Initial Wgt/Vol:**	30 g	**Final Wgt/Vol..:**	10 mL
% Moisture.....:	7.3	**Analyst ID.....:**	010139	**Instrument ID..:**	G/H
		Method.....:	SW846 8081A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
alpha-BHC	ND	1.8	ug/kg	0.12
beta-BHC	ND	1.8	ug/kg	0.19
delta-BHC	ND	1.8	ug/kg	0.12
gamma-BHC (Lindane)	ND	1.8	ug/kg	0.16
Heptachlor	ND	1.8	ug/kg	0.20
Aldrin	ND	1.8	ug/kg	0.16
Heptachlor epoxide	ND	1.8	ug/kg	0.13
Endosulfan I	ND	1.8	ug/kg	0.31
Dieldrin	ND	1.8	ug/kg	0.13
4,4'-DDE	**0.36 J**	**1.8**	**ug/kg**	**0.14**
Endrin	ND	1.8	ug/kg	0.14
Endrin ketone	ND	1.8	ug/kg	0.22
Endrin aldehyde	ND	1.8	ug/kg	0.15
Endosulfan II	ND	1.8	ug/kg	0.17
4,4'-DDD	ND	1.8	ug/kg	0.44
Endosulfan sulfate	ND	1.8	ug/kg	0.18
4,4'-DDT	**0.92 J,PG**	**1.8**	**ug/kg**	**0.15**
Methoxychlor	ND	3.6	ug/kg	0.53
alpha-Chlordane	ND	1.8	ug/kg	0.24
gamma-Chlordane	ND	1.8	ug/kg	0.17
Toxaphene	ND	72	ug/kg	3.4

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	71	(31 - 131)
Decachlorobiphenyl	84	(18 - 145)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

PG The percent difference between the original and confirmation analyses is greater than 40%.

TETRA TECH NUS INC

Client Sample ID: MPT-1602-SS01-01

GC Semivolatiles

Lot-Sample #...:	C2H060115-001	Work Order #...:	E5X8M1AE	Matrix.....:	SOLID
Date Sampled...:	08/05/02	Date Received..:	08/06/02	MS Run #.....:	2219208
Prep Date.....:	08/07/02	Analysis Date..:	08/13/02		
Prep Batch #...:	2219467	Analysis Time..:	16:39		
Dilution Factor:	1	Initial Wgt/Vol:	30 g	Final Wgt/Vol..:	10 mL
% Moisture.....:	5.0	Analyst ID.....:	010139	Instrument ID..:	G/H
		Method.....:	SW846 8081A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
alpha-BHC	ND	1.8	ug/kg	0.12
beta-BHC	ND	1.8	ug/kg	0.18
delta-BHC	ND	1.8	ug/kg	0.11
gamma-BHC (Lindane)	ND	1.8	ug/kg	0.15
Heptachlor	ND	1.8	ug/kg	0.20
Aldrin	ND	1.8	ug/kg	0.16
Heptachlor epoxide	ND	1.8	ug/kg	0.13
Endosulfan I	ND	1.8	ug/kg	0.30
Dieldrin	**4.1**	**1.8**	**ug/kg**	**0.13**
4,4'-DDE	**0.34 J,PG**	**1.8**	**ug/kg**	**0.13**
Endrin	ND	1.8	ug/kg	0.14
Endrin ketone	ND	1.8	ug/kg	0.22
Endrin aldehyde	ND	1.8	ug/kg	0.14
Endosulfan II	**0.54 J,PG**	**1.8**	**ug/kg**	**0.17**
4,4'-DDD	**0.83 J,PG**	**1.8**	**ug/kg**	**0.43**
Endosulfan sulfate	ND	1.8	ug/kg	0.18
4,4'-DDT	**1.4 J,PG**	**1.8**	**ug/kg**	**0.15**
Methoxychlor	ND	3.5	ug/kg	0.52
alpha-Chlordane	**0.27 J,PG**	**1.8**	**ug/kg**	**0.23**
gamma-Chlordane	ND	1.8	ug/kg	0.17
Toxaphene	ND	71	ug/kg	3.3

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	77	(31 - 131)
Decachlorobiphenyl	89	(18 - 145)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

PG The percent difference between the original and confirmation analyses is greater than 40%.

TETRA TECH NUS INC

Client Sample ID: MPT-1602-SS02-01

GC Semivolatiles

Lot-Sample #...:	C2H060115-005	**Work Order #...:**	E5X8V1AE	**Matrix.....:**	SOLID
Date Sampled...:	08/05/02	**Date Received..:**	08/06/02	**MS Run #.....:**	2219208
Prep Date.....:	08/07/02	**Analysis Date..:**	08/13/02		
Prep Batch #...:	2219467	**Analysis Time..:**	19:25		
Dilution Factor:	1	**Initial Wgt/Vol:**	30 g	**Final Wgt/Vol..:**	10 mL
% Moisture.....:	6.0	**Analyst ID.....:**	010139	**Instrument ID..:**	G/H
		Method.....:	SW846 8081A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
alpha-BHC	ND	1.8	ug/kg	0.12
beta-BHC	ND	1.8	ug/kg	0.18
delta-BHC	ND	1.8	ug/kg	0.12
gamma-BHC (Lindane)	ND	1.8	ug/kg	0.16
Heptachlor	ND	1.8	ug/kg	0.20
Aldrin	ND	1.8	ug/kg	0.16
Heptachlor epoxide	ND	1.8	ug/kg	0.13
Endosulfan I	ND	1.8	ug/kg	0.30
Dieldrin	ND	1.8	ug/kg	0.13
4,4'-DDE	**4.4**	**1.8**	**ug/kg**	**0.13**
Endrin	ND	1.8	ug/kg	0.14
Endrin ketone	ND	1.8	ug/kg	0.22
Endrin aldehyde	ND	1.8	ug/kg	0.14
Endosulfan II	ND	1.8	ug/kg	0.17
4,4'-DDD	**1.3 J,PG**	**1.8**	**ug/kg**	**0.43**
Endosulfan sulfate	ND	1.8	ug/kg	0.18
4,4'-DDT	**9.7**	**1.8**	**ug/kg**	**0.15**
Methoxychlor	ND	3.5	ug/kg	0.52
alpha-Chlordane	ND	1.8	ug/kg	0.23
gamma-Chlordane	ND	1.8	ug/kg	0.17
Toxaphene	ND	71	ug/kg	3.3

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	76	(31 - 131)
Decachlorobiphenyl	84	(18 - 145)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

PG The percent difference between the original and confirmation analyses is greater than 40%.

TETRA TECH NUS INC

Client Sample ID: MPT-1602-SS03-01

GC Semivolatiles

Lot-Sample #...:	C2H060115-007	Work Order #...:	E5X831AE	Matrix.....:	SOLID
Date Sampled...:	08/05/02	Date Received..:	08/06/02	MS Run #.....:	2219208
Prep Date.....:	08/07/02	Analysis Date..:	08/13/02		
Prep Batch #...:	2219467	Analysis Time..:	20:20		
Dilution Factor:	1	Initial Wgt/Vol:	30 g	Final Wgt/Vol..:	10 mL
% Moisture.....:	5.8	Analyst ID.....:	010139	Instrument ID..:	G/H
		Method.....:	SW846 8081A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
alpha-BHC	ND	1.8	ug/kg	0.12
beta-BHC	ND	1.8	ug/kg	0.18
delta-BHC	ND	1.8	ug/kg	0.12
gamma-BHC (Lindane)	ND	1.8	ug/kg	0.16
Heptachlor	ND	1.8	ug/kg	0.20
Aldrin	ND	1.8	ug/kg	0.16
Heptachlor epoxide	ND	1.8	ug/kg	0.13
Endosulfan I	ND	1.8	ug/kg	0.30
Dieldrin	ND	1.8	ug/kg	0.13
4,4'-DDE	ND	1.8	ug/kg	0.13
Endrin	ND	1.8	ug/kg	0.14
Endrin ketone	ND	1.8	ug/kg	0.22
Endrin aldehyde	ND	1.8	ug/kg	0.14
Endosulfan II	ND	1.8	ug/kg	0.17
4,4'-DDD	ND	1.8	ug/kg	0.43
Endosulfan sulfate	ND	1.8	ug/kg	0.18
4,4'-DDT	**0.33 J,PG**	**1.8**	**ug/kg**	**0.15**
Methoxychlor	ND	3.5	ug/kg	0.52
alpha-Chlordane	ND	1.8	ug/kg	0.23
gamma-Chlordane	ND	1.8	ug/kg	0.17
Toxaphene	ND	71	ug/kg	3.3

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	77	(31 - 131)
Decachlorobiphenyl	83	(18 - 145)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

PG The percent difference between the original and confirmation analyses is greater than 40%.

TETRA TECH NUS INC

Client Sample ID: MPT-1602-SS04-01

GC Semivolatiles

Lot-Sample #...:	C2H060115-003	Work Order #...:	E5X8P1AE	Matrix.....:	SOLID
Date Sampled...:	08/05/02	Date Received..:	08/06/02	MS Run #.....:	2219208
Prep Date.....:	08/07/02	Analysis Date..:	08/13/02		
Prep Batch #...:	2219467	Analysis Time..:	18:30		
Dilution Factor:	1	Initial Wgt/Vol:	30 g	Final Wgt/Vol..:	10 mL
% Moisture.....:	5.6	Analyst ID.....:	010139	Instrument ID..:	G/H
		Method.....:	SW846 8081A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
alpha-BHC	ND	1.8	ug/kg	0.12
beta-BHC	ND	1.8	ug/kg	0.18
delta-BHC	ND	1.8	ug/kg	0.12
gamma-BHC (Lindane)	ND	1.8	ug/kg	0.15
Heptachlor	ND	1.8	ug/kg	0.20
Aldrin	ND	1.8	ug/kg	0.16
Heptachlor epoxide	ND	1.8	ug/kg	0.13
Endosulfan I	ND	1.8	ug/kg	0.30
Dieldrin	ND	1.8	ug/kg	0.13
4,4'-DDE	**1.1 J,PG**	**1.8**	**ug/kg**	**0.13**
Endrin	ND	1.8	ug/kg	0.14
Endrin ketone	ND	1.8	ug/kg	0.22
Endrin aldehyde	**0.34 J,PG**	**1.8**	**ug/kg**	**0.14**
Endosulfan II	ND	1.8	ug/kg	0.17
4,4'-DDD	**1.2 J**	**1.8**	**ug/kg**	**0.43**
Endosulfan sulfate	ND	1.8	ug/kg	0.18
4,4'-DDT	**6.8**	**1.8**	**ug/kg**	**0.15**
Methoxychlor	ND	3.5	ug/kg	0.52
alpha-Chlordane	ND	1.8	ug/kg	0.23
gamma-Chlordane	ND	1.8	ug/kg	0.17
Toxaphene	ND	71	ug/kg	3.3

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	77	(31 - 131)
Decachlorobiphenyl	86	(18 - 145)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

PG The percent difference between the original and confirmation analyses is greater than 40%.

TETRA TECH NUS INC

Client Sample ID: MPT-1602-SB01-05

GC Semivolatiles

Lot-Sample #...:	C2H060115-002	Work Order #...:	E5X8N1AF	Matrix.....:	SOLID
Date Sampled...:	08/05/02	Date Received..:	08/06/02	MS Run #.....:	2219210
Prep Date.....:	08/07/02	Analysis Date..:	08/14/02		
Prep Batch #...:	2219477	Analysis Time..:	08:37		
Dilution Factor:	1	Initial Wgt/Vol:	30 g	Final Wgt/Vol..:	10 mL
% Moisture.....:	11	Analyst ID.....:	001797	Instrument ID..:	U/V
		Method.....:	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	37	ug/kg	5.9
Aroclor 1221	ND	37	ug/kg	2.1
Aroclor 1232	ND	37	ug/kg	8.9
Aroclor 1242	ND	37	ug/kg	5.3
Aroclor 1248	ND	37	ug/kg	4.8
Aroclor 1254	ND	37	ug/kg	2.4
Aroclor 1260	ND	37	ug/kg	6.1

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	71	(31 - 127)
Decachlorobiphenyl	92	(23 - 141)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

TETRA TECH NUS INC

Client Sample ID: MPT-1602-SB02-05

GC Semivolatiles

Lot-Sample #...:	C2H060115-006	Work Order #...:	E5X811AF	Matrix.....:	SOLID
Date Sampled...:	08/05/02	Date Received..:	08/06/02	MS Run #.....:	2219210
Prep Date.....:	08/07/02	Analysis Date..:	08/14/02		
Prep Batch #...:	2219477	Analysis Time..:	11:49		
Dilution Factor:	1	Initial Wgt/Vol:	30 g	Final Wgt/Vol..:	10 mL
% Moisture.....:	7.6	Analyst ID.....:	001797	Instrument ID..:	U/V
		Method.....:	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	36	ug/kg	5.6
Aroclor 1221	ND	36	ug/kg	2.1
Aroclor 1232	ND	36	ug/kg	8.6
Aroclor 1242	ND	36	ug/kg	5.1
Aroclor 1248	ND	36	ug/kg	4.7
Aroclor 1254	ND	36	ug/kg	2.3
Aroclor 1260	ND	36	ug/kg	5.9

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	65	(31 - 127)
Decachlorobiphenyl	99	(23 - 141)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

TETRA TECH NUS INC

Client Sample ID: MPT-1602-SBDUP01-05

GC Semivolatiles

Lot-Sample #...:	C2H060115-009	Work Order #...:	E5X9E1AF	Matrix.....:	SOLID
Date Sampled...:	08/05/02	Date Received..:	08/06/02	MS Run #.....:	2219210
Prep Date.....:	08/07/02	Analysis Date..:	08/14/02		
Prep Batch #...:	2219477	Analysis Time..:	12:53		
Dilution Factor:	1	Initial Wgt/Vol:	30 g	Final Wgt/Vol..:	10 mL
% Moisture.....:	11	Analyst ID.....:	001797	Instrument ID..:	U/V
		Method.....:	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	37	ug/kg	5.9
Aroclor 1221	ND	37	ug/kg	2.1
Aroclor 1232	ND	37	ug/kg	8.9
Aroclor 1242	ND	37	ug/kg	5.3
Aroclor 1248	ND	37	ug/kg	4.8
Aroclor 1254	ND	37	ug/kg	2.4
Aroclor 1260	ND	37	ug/kg	6.1

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	81	(31 - 127)
Decachlorobiphenyl	95	(23 - 141)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

TETRA TECH NUS INC

Client Sample ID: MPT-1602-SB03-05

GC Semivolatiles

Lot-Sample #...:	C2H060115-008	Work Order #...:	E5X891AF	Matrix.....:	SOLID
Date Sampled...:	08/05/02	Date Received..:	08/06/02	MS Run #.....:	2219210
Prep Date.....:	08/07/02	Analysis Date..:	08/14/02		
Prep Batch #...:	2219477	Analysis Time..:	12:32		
Dilution Factor:	1	Initial Wgt/Vol:	30 g	Final Wgt/Vol..:	10 mL
% Moisture.....:	12	Analyst ID.....:	001797	Instrument ID..:	U/V
		Method.....:	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	38	ug/kg	6.0
Aroclor 1221	ND	38	ug/kg	2.2
Aroclor 1232	ND	38	ug/kg	9.1
Aroclor 1242	ND	38	ug/kg	5.4
Aroclor 1248	ND	38	ug/kg	4.9
Aroclor 1254	ND	38	ug/kg	2.4
Aroclor 1260	ND	38	ug/kg	6.2

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	79	(31 - 127)
Decachlorobiphenyl	94	(23 - 141)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

TETRA TECH NUS INC

Client Sample ID: MPT-1602-SB04-05

GC Semivolatiles

Lot-Sample #...:	C2H060115-004	Work Order #...:	E5X8R1AF	Matrix.....:	SOLID
Date Sampled...:	08/05/02	Date Received..:	08/06/02	MS Run #.....:	2219210
Prep Date.....:	08/07/02	Analysis Date..:	08/14/02		
Prep Batch #...:	2219477	Analysis Time..:	12:32		
Dilution Factor:	1	Initial Wgt/Vol:	30 g	Final Wgt/Vol..:	10 mL
% Moisture.....:	7.3	Analyst ID.....:		Instrument ID..:	U/V
		Method.....:	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	36	ug/kg	5.6
Aroclor 1221	ND	36	ug/kg	2.1
Aroclor 1232	ND	36	ug/kg	8.5
Aroclor 1242	ND	36	ug/kg	5.1
Aroclor 1248	ND	36	ug/kg	4.6
Aroclor 1254	ND	36	ug/kg	2.3
Aroclor 1260	ND	36	ug/kg	5.8

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	79	(31 - 127)
Decachlorobiphenyl	94	(23 - 141)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

TETRA TECH NUS INC

Client Sample ID: MPT-1602-SS01-01

GC Semivolatiles

Lot-Sample #...:	C2H060115-001	Work Order #...:	E5X8M1AF	Matrix.....:	SOLID
Date Sampled...:	08/05/02	Date Received..:	08/06/02	MS Run #.....:	2219210
Prep Date.....:	08/07/02	Analysis Date..:	08/14/02		
Prep Batch #...:	2219477	Analysis Time..:	08:16		
Dilution Factor:	1	Initial Wgt/Vol:	30 g	Final Wgt/Vol..:	10 mL
% Moisture.....:	5.0	Analyst ID.....:	001797	Instrument ID..:	U/V
		Method.....:	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	35	ug/kg	5.5
Aroclor 1221	ND	35	ug/kg	2.0
Aroclor 1232	ND	35	ug/kg	8.3
Aroclor 1242	ND	35	ug/kg	5.0
Aroclor 1248	ND	35	ug/kg	4.5
Aroclor 1254	ND	35	ug/kg	2.2
Aroclor 1260	ND	35	ug/kg	5.7

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	77	(31 - 127)
Decachlorobiphenyl	88	(23 - 141)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

TETRA TECH NUS INC

Client Sample ID: MPT-1602-SS02-01

GC Semivolatiles

Lot-Sample #...:	C2H060115-005	Work Order #...:	E5X8V1AF	Matrix.....:	SOLID
Date Sampled...:	08/05/02	Date Received..:	08/06/02	MS Run #.....:	2219210
Prep Date.....:	08/07/02	Analysis Date..:	08/14/02		
Prep Batch #...:	2219477	Analysis Time..:	10:24		
Dilution Factor:	1	Initial Wgt/Vol:	30 g	Final Wgt/Vol..:	10 mL
% Moisture.....:	6.0	Analyst ID.....:	001797	Instrument ID..:	U/V
		Method.....:	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	35	ug/kg	5.5
Aroclor 1221	ND	35	ug/kg	2.0
Aroclor 1232	ND	35	ug/kg	8.4
Aroclor 1242	ND	35	ug/kg	5.0
Aroclor 1248	ND	35	ug/kg	4.6
Aroclor 1254	ND	35	ug/kg	2.2
Aroclor 1260	**11 J**	**35**	**ug/kg**	**5.8**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	80	(31 - 127)
Decachlorobiphenyl	93	(23 - 141)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

TETRA TECH NUS INC

Client Sample ID: MPT-1602-SS03-01

GC Semivolatiles

Lot-Sample #...:	C2H060115-007	Work Order #...:	E5X831AF	Matrix.....:	SOLID
Date Sampled...:	08/05/02	Date Received..:	08/06/02	MS Run #.....:	2219210
Prep Date.....:	08/07/02	Analysis Date..:	08/14/02		
Prep Batch #...:	2219477	Analysis Time..:	12:11		
Dilution Factor:	1	Initial Wgt/Vol:	30 g	Final Wgt/Vol..:	10 mL
% Moisture.....:	5.8	Analyst ID.....:	001797	Instrument ID..:	U/V
		Method.....:	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	35	ug/kg	5.5
Aroclor 1221	ND	35	ug/kg	2.0
Aroclor 1232	ND	35	ug/kg	8.4
Aroclor 1242	ND	35	ug/kg	5.0
Aroclor 1248	ND	35	ug/kg	4.6
Aroclor 1254	ND	35	ug/kg	2.2
Aroclor 1260	ND	35	ug/kg	5.8

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	83	(31 - 127)
Decachlorobiphenyl	98	(23 - 141)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

TETRA TECH NUS INC

Client Sample ID: MPT-1602-SS04-01

GC Semivolatiles

Lot-Sample #...:	C2H060115-003	Work Order #...:	E5X8P1AF	Matrix.....:	SOLID
Date Sampled...:	08/05/02	Date Received..:	08/06/02	MS Run #.....:	2219210
Prep Date.....:	08/07/02	Analysis Date..:	08/14/02		
Prep Batch #...:	2219477	Analysis Time..:	09:41		
Dilution Factor:	1	Initial Wgt/Vol:	30 g	Final Wgt/Vol..:	10 mL
% Moisture.....:	5.6	Analyst ID.....:	001797	Instrument ID..:	U/V
		Method.....:	SW846 8082		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Aroclor 1016	ND	35	ug/kg	5.5
Aroclor 1221	ND	35	ug/kg	2.0
Aroclor 1232	ND	35	ug/kg	8.4
Aroclor 1242	ND	35	ug/kg	5.0
Aroclor 1248	ND	35	ug/kg	4.6
Aroclor 1254	ND	35	ug/kg	2.2
Aroclor 1260	**10 J**	**35**	**ug/kg**	**5.7**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	82	(31 - 127)
Decachlorobiphenyl	92	(23 - 141)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

TETRA TECH NUS INC

Client Sample ID: MPT-1602-SS01-01

GC Semivolatiles

Lot-Sample #...:	C2H060115-001	Work Order #...:	E5X8M1AG	Matrix.....:	SOLID
Date Sampled...:	08/05/02	Date Received..:	08/06/02	MS Run #.....:	2219215
Prep Date.....:	08/07/02	Analysis Date..:	08/20/02		
Prep Batch #...:	2219489	Analysis Time..:	03:42		
Dilution Factor:	1	Initial Wgt/Vol:	50 g	Final Wgt/Vol..:	10 mL
% Moisture.....:	5.0	Analyst ID.....:	001797	Instrument ID..:	A/B
		Method.....:	SW846 8151A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2,4-D	ND	84	ug/kg	4.7
Dinoseb	ND	13	ug/kg	0.65
2,4,5-TP (Silvex)	ND	21	ug/kg	0.98
2,4,5-T	ND	21	ug/kg	7.8

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
DCAA	69	(42 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

TETRA TECH NUS INC

Client Sample ID: MPT-1602-SB02-05

GC Semivolatiles

Lot-Sample #...:	C2H060115-006	Work Order #...:	E5X811AG	Matrix.....:	SOLID
Date Sampled...:	08/05/02	Date Received..:	08/06/02	MS Run #.....:	2219215
Prep Date.....:	08/07/02	Analysis Date..:	08/20/02		
Prep Batch #...:	2219489	Analysis Time..:	07:33		
Dilution Factor:	1	Initial Wgt/Vol:	50 g	Final Wgt/Vol..:	10 mL
% Moisture.....:	7.6	Analyst ID.....:	001797	Instrument ID..:	A/B
		Method.....:	SW846 8151A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2,4-D	ND	87	ug/kg	4.9
Dinoseb	ND	13	ug/kg	0.67
2,4,5-TP (Silvex)	ND	22	ug/kg	1.0
2,4,5-T	ND	22	ug/kg	8.1

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
DCAA	69	(42 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

TETRA TECH NUS INC

Client Sample ID: MPT-1602-SBDUP01-05

GC Semivolatiles

Lot-Sample #...:	C2H060115-009	Work Order #...:	E5X9E1AG	Matrix.....:	SOLID
Date Sampled...:	08/05/02	Date Received..:	08/06/02	MS Run #.....:	2219215
Prep Date.....:	08/07/02	Analysis Date..:	08/20/02		
Prep Batch #...:	2219489	Analysis Time..:	09:12		
Dilution Factor:	1	Initial Wgt/Vol:	50 g	Final Wgt/Vol..:	10 mL
% Moisture.....:	11	Analyst ID.....:	001797	Instrument ID..:	A/B
		Method.....:	SW846 8151A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2,4-D	ND	90	ug/kg	5.0
Dinoseb	ND	13	ug/kg	0.70
2,4,5-TP (Silvex)	ND	22	ug/kg	1.1
2,4,5-T	ND	22	ug/kg	8.4

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
DCAA	70	(42 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

TETRA TECH NUS INC

Client Sample ID: MPT-1602-SB03-05

GC Semivolatiles

Lot-Sample #...:	C2H060115-008	Work Order #...:	E5X891AG	Matrix.....:	SOLID
Date Sampled...:	08/05/02	Date Received..:	08/06/02	MS Run #.....:	2219215
Prep Date.....:	08/07/02	Analysis Date..:	08/20/02		
Prep Batch #...:	2219489	Analysis Time..:	08:39		
Dilution Factor:	1	Initial Wgt/Vol:	50 g	Final Wgt/Vol..:	10 mL
% Moisture.....:	12	Analyst ID.....:	001797	Instrument ID..:	A/B
		Method.....:	SW846 8151A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2,4-D	ND	91	ug/kg	5.1
Dinoseb	ND	14	ug/kg	0.71
2,4,5-TP (Silvex)	ND	23	ug/kg	1.1
2,4,5-T	ND	23	ug/kg	8.5

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
DCAA	66	(42 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

TETRA TECH NUS INC

Client Sample ID: MPT-1602-SB04-05

GC Semivolatiles

Lot-Sample #...:	C2H060115-004	Work Order #...:	E5X8R1AG	Matrix.....:	SOLID
Date Sampled...:	08/05/02	Date Received..:	08/06/02	MS Run #.....:	2219215
Prep Date.....:	08/07/02	Analysis Date..:	08/20/02		
Prep Batch #...:	2219489	Analysis Time..:	06:27		
Dilution Factor:	1	Initial Wgt/Vol:	50 g	Final Wgt/Vol..:	10 mL
% Moisture.....:	7.3	Analyst ID.....:	001797	Instrument ID..:	A/B
		Method.....:	SW846 8151A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2,4-D	ND	86	ug/kg	4.9
Dinoseb	ND	13	ug/kg	0.67
2,4,5-TP (Silvex)	ND	22	ug/kg	1.0
2,4,5-T	ND	22	ug/kg	8.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
DCAA	77	(42 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

TETRA TECH NUS INC

Client Sample ID: MPT-1602-SB01-05

GC Semivolatiles

Lot-Sample #...:	C2H060115-002	Work Order #...:	E5X8N1AG	Matrix.....:	SOLID
Date Sampled...:	08/05/02	Date Received..:	08/06/02	MS Run #.....:	2219215
Prep Date.....:	08/07/02	Analysis Date..:	08/20/02		
Prep Batch #...:	2219489	Analysis Time..:	04:15		
Dilution Factor:	1	Initial Wgt/Vol:	50 g	Final Wgt/Vol..:	10 mL
% Moisture.....:	11	Analyst ID.....:	001797	Instrument ID..:	A/B
		Method.....:	SW846 8151A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2,4-D	ND	90	ug/kg	5.1
Dinoseb	ND	14	ug/kg	0.70
2,4,5-TP (Silvex)	ND	23	ug/kg	1.1
2,4,5-T	ND	23	ug/kg	8.4

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
DCAA	70	(42 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

TETRA TECH NUS INC

Client Sample ID: MPT-1602-SS02-01

GC Semivolatiles

Lot-Sample #...:	C2H060115-005	Work Order #...:	E5X8V1AG	Matrix.....:	SOLID
Date Sampled...:	08/05/02	Date Received..:	08/06/02	MS Run #.....:	2219215
Prep Date.....:	08/07/02	Analysis Date..:	08/20/02		
Prep Batch #...:	2219489	Analysis Time..:	07:00		
Dilution Factor:	1	Initial Wgt/Vol:	50 g	Final Wgt/Vol..:	10 mL
% Moisture.....:	6.0	Analyst ID.....:	001797	Instrument ID..:	A/B
		Method.....:	SW846 8151A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2,4-D	ND	85	ug/kg	4.8
Dinoseb	ND	13	ug/kg	0.66
2,4,5-TP (Silvex)	ND	21	ug/kg	0.99
2,4,5-T	ND	21	ug/kg	7.9

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
DCAA	71	(42 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

TETRA TECH NUS INC

Client Sample ID: MPT-1602-SS03-01

GC Semivolatiles

Lot-Sample #...:	C2H060115-007	Work Order #...:	E5X831AG	Matrix.....:	SOLID
Date Sampled...:	08/05/02	Date Received..:	08/06/02	MS Run #.....:	2219215
Prep Date.....:	08/07/02	Analysis Date..:	08/20/02		
Prep Batch #...:	2219489	Analysis Time..:	08:06		
Dilution Factor:	1	Initial Wgt/Vol:	50 g	Final Wgt/Vol..:	10 mL
% Moisture.....:	5.8	Analyst ID.....:	001797	Instrument ID..:	A/B
		Method.....:	SW846 8151A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2,4-D	ND	85	ug/kg	4.8
Dinoseb	ND	13	ug/kg	0.66
2,4,5-TP (Silvex)	ND	21	ug/kg	0.99
2,4,5-T	ND	21	ug/kg	7.9

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
DCAA	68	(42 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

TETRA TECH NUS INC

Client Sample ID: MPT-1602-SS04-01

GC Semivolatiles

Lot-Sample #...:	C2H060115-003	Work Order #...:	E5X8P1AG	Matrix.....:	SOLID
Date Sampled...:	08/05/02	Date Received..:	08/06/02	MS Run #.....:	2219215
Prep Date.....:	08/07/02	Analysis Date..:	08/20/02		
Prep Batch #...:	2219489	Analysis Time..:	04:48		
Dilution Factor:	1	Initial Wgt/Vol:	50 g	Final Wgt/Vol..:	10 mL
% Moisture.....:	5.6	Analyst ID.....:	001797	Instrument ID..:	A/B
		Method.....:	SW846 8151A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2,4-D	ND	85	ug/kg	4.8
Dinoseb	ND	13	ug/kg	0.66
2,4,5-TP (Silvex)	ND	21	ug/kg	0.99
2,4,5-T	ND	21	ug/kg	7.9

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
DCAA	72	(42 - 125)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

NAVSTA Mayport, Florida

Total Recoverable Petroleum Hydrocarbons

Lab Name:	STL PITTSBURGH	**Method:**	MCAWW 418.1
Client Name:	TETRA TECH NUS INC	**Lot Number:**	C2H060115
Matrix:	SOLID	**Date/Time Received:**	8/6/02 10:00:00AM

Client Sample ID	Sample Number	Workorder	Result	Units	Reporting Limit	Dilution Factor	Prep Date - Analysis Date/Time	QC Batch
MPT-1602-SS01-01	001	E5X8M1AR	204	mg/kg	34.7	1	8/23/02 - 8/26/02 14:00	2235407
MPT-1602-SB01-05	002	E5X8N1AR	ND	mg/kg	37.1	1	8/23/02 - 8/26/02 14:00	2235407
MPT-1602-SS04-01	003	E5X8P1AR	ND	mg/kg	35.0	1	8/23/02 - 8/26/02 14:00	2235407
MPT-1602-SB04-05	004	E5X8R1AR	ND	mg/kg	35.6	1	8/23/02 - 8/26/02 14:00	2235407
MPT-1602-SS02-01	005	E5X8V1AR	ND	mg/kg	35.1	1	8/23/02 - 8/26/02 14:00	2235407
MPT-1602-SB02-05	006	E5X811AR	ND	mg/kg	35.7	1	8/23/02 - 8/26/02 14:00	2235407
MPT-1602-SS03-01	007	E5X831AR	57.3	mg/kg	35.0	1	8/23/02 - 8/26/02 14:00	2235407
MPT-1602-SB03-05	008	E5X891AR	ND	mg/kg	37.7	1	8/23/02 - 8/26/02 14:00	2235407
MPT-1602-SBDUP01-05	009	E5X9E1AR	ND	mg/kg	37.0	1	8/23/02 - 8/26/02 14:00	2235407

APPENDIX C

SUPPORT DOCUMENTATION

FIELD DUPLICATE PRECISION

ANALYTE	MPT-1602-SB02-05-D	MPT-1602-SB02-05	RPD	DIFFERENCE
Acetone	9.4	6.5	36.48	2.9
Diethyl phthalate	180	300	50.00	120
Pentachloroethane	47	29	47.37	18
4,4'-DDE	0.79	1.9	82.53	1.11
4,4'-DDT	1.2	2.7	76.92	1.5
Endrin aldehyde	1.8U	0.41	#VALUE!	#VALUE!

60115

HOLDING TIME
09/09/02

Units	Nsample	Lab Id	Qc Type	Sdg	Sort	Samp Date	Extr Date	Anal Date	SAMP_DATE TO EXTR_DATE	EXTR_DATE TO ANAL_DATE	SAMP_DATE TO ANAL_DATE
%	MPT-1602-SB01-05	C2H060115002	NORMAL	60115		08/05/02	08/08/02	08/09/02	3	1	4
%	MPT-1602-SB02-05	C2H060115006	NORMAL	60115		08/05/02	08/08/02	08/09/02	3	1	4
%	MPT-1602-SB03-05	C2H060115008	NORMAL	60115		08/05/02	08/08/02	08/09/02	3	1	4
%	MPT-1602-SB04-05	C2H060115004	NORMAL	60115		08/05/02	08/08/02	08/09/02	3	1	4
%	MPT-1602-SBDUP01-05	C2H060115009	NORMAL	60115		08/05/02	08/08/02	08/09/02	3	1	4
%	MPT-1602-SS01-01	C2H060115001	NORMAL	60115		08/05/02	08/08/02	08/09/02	3	1	4
%	MPT-1602-SS01-01 DUP	C2H060115001X	DUPLICATE	60115		08/05/02	08/08/02	08/09/02	3	1	4
%	MPT-1602-SS02-01	C2H060115005	NORMAL	60115		08/05/02	08/08/02	08/09/02	3	1	4
%	MPT-1602-SS03-01	C2H060115007	NORMAL	60115		08/05/02	08/08/02	08/09/02	3	1	4
%	MPT-1602-SS04-01	C2H060115003	NORMAL	60115		08/05/02	08/08/02	08/09/02	3	1	4
%	CHECK SAMPLE	C2H070000489C	LCS	60115	HERB	08/05/02	08/07/02	08/20/02	2	13	15
UG/KG	INTRA-LAB BLANK	C2H070000489B	M_BLANK	60115	HERB	08/07/02	08/07/02	08/20/02	0	13	13
UG/KG	MPT-1602-SB01-05	C2H060115002	NORMAL	60115	HERB	08/05/02	08/07/02	08/20/02	2	13	15
UG/KG	MPT-1602-SB02-05	C2H060115006	NORMAL	60115	HERB	08/05/02	08/07/02	08/20/02	2	13	15
UG/KG	MPT-1602-SB03-05	C2H060115008	NORMAL	60115	HERB	08/05/02	08/07/02	08/20/02	2	13	15
UG/KG	MPT-1602-SB04-05	C2H060115004	NORMAL	60115	HERB	08/05/02	08/07/02	08/20/02	2	13	15
UG/KG	MPT-1602-SBDUP01-05	C2H060115009	NORMAL	60115	HERB	08/05/02	08/07/02	08/20/02	2	13	15
UG/KG	MPT-1602-SS01-01	C2H060115001	NORMAL	60115	HERB	08/05/02	08/07/02	08/20/02	2	13	15
UG/KG	MPT-1602-SS02-01	C2H060115005	NORMAL	60115	HERB	08/05/02	08/07/02	08/20/02	2	13	15
UG/KG	MPT-1602-SS03-01	C2H060115007	NORMAL	60115	HERB	08/05/02	08/07/02	08/20/02	2	13	15
UG/KG	MPT-1602-SS04-01	C2H060115003	NORMAL	60115	HERB	08/05/02	08/07/02	08/20/02	2	13	15
%	MPT-1602-SS04-01MS	C2H060115003S	MS	60115	HERB	08/05/02	08/07/02	08/20/02	2	13	15
%	MPT-1602-SS04-01MSD	C2H060115003D	MSD	60115	HERB	08/05/02	08/07/02	08/20/02	2	13	15
%	CHECK SAMPLE	C2H070000236C	LCS	60115	HG	08/05/02	08/08/02	08/08/02	3	0	3

Units	Nsample	Lab Id	Qc Type	Sdg	Sort	Samp Date	Extr Date	Anal Date	SAMP_DATE TO EXTR_DATE	EXTR_DATE TO ANAL_DATE	SAMP_DATE TO ANAL_DATE
MG/KG	INTRA-LAB BLANK	C2H070000236B	M_BLANK	60115	HG	08/05/02	08/08/02	08/08/02	3	0	3
MG/KG	MPT-1602-SB01-05	C2H060115002	NORMAL	60115	HG	08/05/02	08/08/02	08/08/02	3	0	3
MG/KG	MPT-1602-SB02-05	C2H060115006	NORMAL	60115	HG	08/05/02	08/08/02	08/08/02	3	0	3
MG/KG	MPT-1602-SB03-05	C2H060115008	NORMAL	60115	HG	08/05/02	08/08/02	08/08/02	3	0	3
MG/KG	MPT-1602-SB04-05	C2H060115004	NORMAL	60115	HG	08/05/02	08/08/02	08/08/02	3	0	3
MG/KG	MPT-1602-SBDUP01-05	C2H060115009	NORMAL	60115	HG	08/05/02	08/08/02	08/08/02	3	0	3
MG/KG	MPT-1602-SS01-01	C2H060115001	NORMAL	60115	HG	08/05/02	08/08/02	08/08/02	3	0	3
%	MPT-1602-SS01-01MS	C2H060115001S	MS	60115	HG	08/05/02	08/08/02	08/08/02	3	0	3
%	MPT-1602-SS01-01MSD	C2H060115001D	MSD	60115	HG	08/05/02	08/08/02	08/08/02	3	0	3
MG/KG	MPT-1602-SS02-01	C2H060115005	NORMAL	60115	HG	08/05/02	08/08/02	08/08/02	3	0	3
MG/KG	MPT-1602-SS03-01	C2H060115007	NORMAL	60115	HG	08/05/02	08/08/02	08/08/02	3	0	3
MG/KG	MPT-1602-SS04-01	C2H060115003	NORMAL	60115	HG	08/05/02	08/08/02	08/08/02	3	0	3
%	CHECK SAMPLE	C2H070000117C	LCS	60115	M	08/05/02	08/07/02	08/08/02	2	1	3
MG/KG	INTRA-LAB BLANK	C2H070000117B	M_BLANK	60115	M	08/05/02	08/07/02	08/08/02	2	1	3
MG/KG	MPT-1602-SB01-05	C2H060115002	NORMAL	60115	M	08/05/02	08/07/02	08/08/02	2	1	3
MG/KG	MPT-1602-SB02-05	C2H060115006	NORMAL	60115	M	08/05/02	08/07/02	08/08/02	2	1	3
MG/KG	MPT-1602-SB03-05	C2H060115008	NORMAL	60115	M	08/05/02	08/07/02	08/09/02	2	2	4
MG/KG	MPT-1602-SB04-05	C2H060115004	NORMAL	60115	M	08/05/02	08/07/02	08/08/02	2	1	3
MG/KG	MPT-1602-SBDUP01-05	C2H060115009	NORMAL	60115	M	08/05/02	08/07/02	08/09/02	2	2	4
MG/KG	MPT-1602-SS01-01	C2H060115001	NORMAL	60115	M	08/05/02	08/07/02	08/08/02	2	1	3
%	MPT-1602-SS01-01MS	C2H060115001S	MS	60115	M	08/05/02	08/07/02	08/08/02	2	1	3
%	MPT-1602-SS01-01MSD	C2H060115001D	MSD	60115	M	08/05/02	08/07/02	08/08/02	2	1	3
MG/KG	MPT-1602-SS02-01	C2H060115005	NORMAL	60115	M	08/05/02	08/07/02	08/08/02	2	1	3
MG/KG	MPT-1602-SS03-01	C2H060115007	NORMAL	60115	M	08/05/02	08/07/02	08/08/02	2	1	3
MG/KG	MPT-1602-SS04-01	C2H060115003	NORMAL	60115	M	08/05/02	08/07/02	08/08/02	2	1	3
%	CHECK SAMPLE	C2H070000222C	LCS	60115	OS	08/05/02	08/07/02	08/08/02	2	1	3
UG/KG	INTRA-LAB BLANK	C2H070000222B	M_BLANK	60115	OS	08/05/02	08/07/02	08/08/02	2	1	3

Units	Nsample	Lab Id	Qc Type	Sdg	Sort	Samp Date	Extr Date	Anal Date	SAMP_DATE TO EXTR_DATE	EXTR_DATE TO ANAL_DATE	SAMP_DATE TO ANAL_DATE
UG/KG	MPT-1602-SB01-05	C2H060115002	NORMAL	60115	OS	08/05/02	08/07/02	08/08/02	2	1	3
UG/KG	MPT-1602-SB02-05	C2H060115006	NORMAL	60115	OS	08/05/02	08/07/02	08/08/02	2	1	3
UG/KG	MPT-1602-SB03-05	C2H060115008	NORMAL	60115	OS	08/05/02	08/07/02	08/08/02	2	1	3
UG/KG	MPT-1602-SB04-05	C2H060115004	NORMAL	60115	OS	08/05/02	08/07/02	08/08/02	2	1	3
UG/KG	MPT-1602-SBDUP01-05	C2H060115009	NORMAL	60115	OS	08/05/02	08/07/02	08/08/02	2	1	3
UG/KG	MPT-1602-SS01-01	C2H060115001	NORMAL	60115	OS	08/05/02	08/07/02	08/08/02	2	1	3
%	MPT-1602-SS01-01MS	C2H060115001S	MS	60115	OS	08/05/02	08/07/02	08/08/02	2	1	3
%	MPT-1602-SS01-01MSD	C2H060115001D	MSD	60115	OS	08/05/02	08/07/02	08/08/02	2	1	3
UG/KG	MPT-1602-SS02-01	C2H060115005	NORMAL	60115	OS	08/05/02	08/07/02	08/08/02	2	1	3
UG/KG	MPT-1602-SS03-01	C2H060115007	NORMAL	60115	OS	08/05/02	08/07/02	08/08/02	2	1	3
UG/KG	MPT-1602-SS04-01	C2H060115003	NORMAL	60115	OS	08/05/02	08/07/02	08/08/02	2	1	3
%	CHECK SAMPLE	C2H130000173C	LCS	60115	OV	08/05/02	08/13/02	08/13/02	8	0	8
UG/L	INTRA-LAB BLANK	C2H130000173B	M_BLANK	60115	OV	08/05/02	08/13/02	08/13/02	8	0	8
UG/KG	MPT-1602-SB01-05	C2H060115002	NORMAL	60115	OV	08/05/02	08/07/02	08/07/02	2	0	2
UG/KG	MPT-1602-SB02-05	C2H060115006	NORMAL	60115	OV	08/05/02	08/07/02	08/07/02	2	0	2
UG/KG	MPT-1602-SB03-05	C2H060115008	NORMAL	60115	OV	08/05/02	08/07/02	08/07/02	2	0	2
UG/KG	MPT-1602-SB04-05	C2H060115004	NORMAL	60115	OV	08/05/02	08/07/02	08/07/02	2	0	2
UG/KG	MPT-1602-SBDUP01-05	C2H060115009	NORMAL	60115	OV	08/05/02	08/07/02	08/07/02	2	0	2
UG/KG	MPT-1602-SS01-01	C2H060115001	NORMAL	60115	OV	08/05/02	08/07/02	08/07/02	2	0	2
UG/KG	MPT-1602-SS02-01	C2H060115005	NORMAL	60115	OV	08/05/02	08/07/02	08/07/02	2	0	2
UG/KG	MPT-1602-SS03-01	C2H060115007	NORMAL	60115	OV	08/05/02	08/07/02	08/07/02	2	0	2
UG/KG	MPT-1602-SS04-01	C2H060115003	NORMAL	60115	OV	08/05/02	08/07/02	08/07/02	2	0	2
UG/L	TRIP BLANK 080502	C2H060115010	NORMAL	60115	OV	08/05/02	08/13/02	08/13/02	8	0	8
%	CHECK SAMPLE	C2H070000477C	LCS	60115	PCB	08/05/02	08/07/02	08/14/02	2	7	9
%	INTRA-LAB BLANK	C2H070000477B	M_BLANK	60115	PCB	08/05/02	08/07/02	08/14/02	2	7	9
%	MPT-1602-SB01-05	C2H060115002	NORMAL	60115	PCB	08/05/02	08/07/02	08/14/02	2	7	9
%	MPT-1602-SB01-05MS	C2H060115002S	MS	60115	PCB	08/05/02	08/07/02	08/14/02	2	7	9

Units	Nsample	Lab Id	Qc Type	Sdg	Sort	Samp Date	Extr Date	Anal Date	SAMP_DATE TO EXTR_DATE	EXTR_DATE TO ANAL_DATE	SAMP_DATE TO ANAL_DATE
%	MPT-1602-SB01-05MSD	C2H060115002D	MSD	60115	PCB	08/05/02	08/07/02	08/14/02	2	7	9
%	MPT-1602-SB02-05	C2H060115006	NORMAL	60115	PCB	08/05/02	08/07/02	08/14/02	2	7	9
%	MPT-1602-SB03-05	C2H060115008	NORMAL	60115	PCB	08/05/02	08/07/02	08/14/02	2	7	9
%	MPT-1602-SB04-05	C2H060115004	NORMAL	60115	PCB	08/05/02	08/07/02	08/14/02	2	7	9
%	MPT-1602-SBDUP01-05	C2H060115009	NORMAL	60115	PCB	08/05/02	08/07/02	08/14/02	2	7	9
%	MPT-1602-SS01-01	C2H060115001	NORMAL	60115	PCB	08/05/02	08/07/02	08/14/02	2	7	9
%	MPT-1602-SS02-01	C2H060115005	NORMAL	60115	PCB	08/05/02	08/07/02	08/14/02	2	7	9
%	MPT-1602-SS03-01	C2H060115007	NORMAL	60115	PCB	08/05/02	08/07/02	08/14/02	2	7	9
%	MPT-1602-SS04-01	C2H060115003	NORMAL	60115	PCB	08/05/02	08/07/02	08/14/02	2	7	9
%	CHECK SAMPLE	C2H070000467C	LCS	60115	PEST	08/05/02	08/07/02	08/14/02	2	7	9
UG/KG	INTRA-LAB BLANK	C2H070000467B	M_BLANK	60115	PEST	08/07/02	08/07/02	08/14/02	0	7	7
UG/KG	MPT-1602-SB01-05	C2H060115002	NORMAL	60115	PEST	08/05/02	08/07/02	08/13/02	2	6	8
%	MPT-1602-SB01-05MS	C2H060115002S	MS	60115	PEST	08/05/02	08/07/02	08/13/02	2	6	8
%	MPT-1602-SB01-05MSD	C2H060115002D	MSD	60115	PEST	08/05/02	08/07/02	08/13/02	2	6	8
UG/KG	MPT-1602-SB02-05	C2H060115006	NORMAL	60115	PEST	08/05/02	08/07/02	08/13/02	2	6	8
UG/KG	MPT-1602-SB03-05	C2H060115008	NORMAL	60115	PEST	08/05/02	08/07/02	08/13/02	2	6	8
UG/KG	MPT-1602-SB04-05	C2H060115004	NORMAL	60115	PEST	08/05/02	08/07/02	08/13/02	2	6	8
UG/KG	MPT-1602-SBDUP01-05	C2H060115009	NORMAL	60115	PEST	08/05/02	08/07/02	08/13/02	2	6	8
UG/KG	MPT-1602-SS01-01	C2H060115001	NORMAL	60115	PEST	08/05/02	08/07/02	08/13/02	2	6	8
UG/KG	MPT-1602-SS02-01	C2H060115005	NORMAL	60115	PEST	08/05/02	08/07/02	08/13/02	2	6	8
UG/KG	MPT-1602-SS03-01	C2H060115007	NORMAL	60115	PEST	08/05/02	08/07/02	08/13/02	2	6	8
UG/KG	MPT-1602-SS04-01	C2H060115003	NORMAL	60115	PEST	08/05/02	08/07/02	08/13/02	2	6	8
%	CHECK SAMPLE	C2H230000407C	LCS	60115	TPH	08/05/02	08/23/02	08/26/02	18	3	21
MG/KG	INTRA-LAB BLANK	C2H230000407B	M_BLANK	60115	TPH	08/05/02	08/23/02	08/26/02	18	3	21
MG/KG	MPT-1602-SB01-05	C2H060115002	NORMAL	60115	TPH	08/05/02	08/23/02	08/26/02	18	3	21
MG/KG	MPT-1602-SB02-05	C2H060115006	NORMAL	60115	TPH	08/05/02	08/23/02	08/26/02	18	3	21
MG/KG	MPT-1602-SB03-05	C2H060115008	NORMAL	60115	TPH	08/05/02	08/23/02	08/26/02	18	3	21

Units	Nsample	Lab Id	Qc Type	Sdg	Sort	Samp Date	Extr Date	Anal Date	SAMP_DATE TO EXTR_DATE	EXTR_DATE TO ANAL_DATE	SAMP_DATE TO ANAL_DATE
MG/KG	MPT-1602-SB04-05	C2H060115004	NORMAL	60115	TPH	08/05/02	08/23/02	08/26/02	18	3	21
MG/KG	MPT-1602-SBDUP01-05	C2H060115009	NORMAL	60115	TPH	08/05/02	08/23/02	08/26/02	18	3	21
MG/KG	MPT-1602-SS01-01	C2H060115001	NORMAL	60115	TPH	08/05/02	08/23/02	08/26/02	18	3	21
MG/KG	MPT-1602-SS02-01	C2H060115005	NORMAL	60115	TPH	08/05/02	08/23/02	08/26/02	18	3	21
MG/KG	MPT-1602-SS03-01	C2H060115007	NORMAL	60115	TPH	08/05/02	08/23/02	08/26/02	18	3	21
MG/KG	MPT-1602-SS04-01	C2H060115003	NORMAL	60115	TPH	08/05/02	08/23/02	08/26/02	18	3	21

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SERVICES

STL Pittsburgh
450 William Pitt Way
Pittsburgh, PA 15238-1330

Tel: 412 820 8380
Fax: 412 820 2080
www.stl-inc.com

ANALYTICAL REPORT

PROJECT NO. CTO267

NAVSTA Mayport, Florida

Lot #: C2H060115

Tetra Tech NUS Inc

SEVERN TRENT LABORATORIES, INC.

Veronica Bortot

Veronica Bortot
Project Manager

September 5, 2002

CASE NARRATIVE

NAVSTA Mayport, FL

CTO #267

STL Lot#: C2H060115

The following report contains the analytical results for samples submitted to STL Pittsburgh by Tetra Tech from the NAVSTA Mayport site in Mayport, FL. The samples were received August 6, 2002, according to documented sample acceptance procedures.

STL-Pittsburgh utilizes only USEPA approved methods and instrumentation in all analytical work. The samples presented in this report were analyzed for the parameters listed on the method reference page in accordance with the methods indicated.

SAMPLE RECEIVING:
The lot closed on August 6, 2002.

Sample TRIP BLANK 080502 listed on the chain of custody was labeled TRIP BLANK on the sample bottle. The sample was logged in off of the chain of custody.

GC/MS Volatiles:
There were no problems associated with the analysis.

GC/MS Semivolatiles:
There were no problems associated with the analysis.

Pesticides:
For the continuing calibration standards analyzed on the RTX-1701 column on August 14, 2002 at 01:50 and 02:18 delta-BHC had a % D of 15.4. This was outside of the +/- 15%D criteria. The average % D of all of the compounds in the continuing calibration standards was 6.9. Delta-BHC was not detected in any of the samples. All data was reported.

For the continuing calibration standards analyzed on the RTX-1701 column on August 13, 2002 at 15:44 and 16:12 delta-BHC had a % D of 17.4. This was outside of the +/- 15%D criteria. The average % D of all of the compounds in the continuing calibration standards was 8.8. Delta-BHC was not detected in any of the samples. All data was reported.

Pesticides (cont):
For the continuing calibration standards analyzed on the RTX-50 column on August 13, 2002 at 15:44 and 16:12 delta-BHC had a % D of 15.6 and methoxychlor had a % D of 19.5. These were outside of the +/-15%D criteria. The average % D of all of the compounds in the continuing calibration standards was 7.2. These compounds were detected in any of the samples. All data was reported.

For the continuing calibration standards analyzed on the RTX-50 column on August 14, 2002 at 01:50 and 02:18 methoxychlor had a % D of 17.5. This was outside of the +/-15%D criteria. The average % D of all of the compounds in the continuing calibration standards was 5.5. Methoxychlor was not detected in any of the samples. All data was reported.

PCBs:
There were no problems associated with the analysis.

Herbicides:
The relative percent difference between the matrix spike and the matrix spike duplicate was outside of the control limits for 2,4-D and 2,4,5-T.

Metals:
There were no problems associated with the analysis.

General Chemistry:
There were no problems associated with the analyses.

METHODS SUMMARY

C2H060115

PARAMETER	ANALYTICAL METHOD	PREPARATION METHOD
Chlorinated Herbicides by GC	SW846 8151A	SW846 8151A
Mercury in Solid Waste (Manual Cold-Vapor)	SW846 7471A	SW846 7471A
Organochlorine Pesticides	SW846 8081A	SW846 3550
PCBs by SW-846 8082	SW846 8082	SW846 3550
Semivolatile Organic Compounds by GC/MS	SW846 8270C	SW846 3550B
Total Recoverable Petroleum Hydrocarbons	MCAWW 418.1	SW846 3550
Total Residue as Percent Solids	MCAWW 160.3 MOD	MCAWW 160.3 MOD
Trace Inductively Coupled Plasma (ICP) Metals	SW846 6010B	SW846 3050B
Volatile Organics by GC/MS	SW846 8260B	SW846 5030B/826
Volatile Organics by GC/MS	SW846 8260B	SW846 5035

References:

MCAWW "Methods for Chemical Analysis of Water and Wastes", EPA-600/4-79-020, March 1983 and subsequent revisions.

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

C2H060115

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
E5X8M	001	MPT-1602-SS01-01	08/05/02	10:10
E5X8N	002	MPT-1602-SB01-05	08/05/02	10:30
E5X8P	003	MPT-1602-SS04-01	08/05/02	11:10
E5X8R	004	MPT-1602-SB04-05	08/05/02	11:20
E5X8V	005	MPT-1602-SS02-01	08/05/02	11:50
E5X81	006	MPT-1602-SB02-05	08/05/02	12:05
E5X83	007	MPT-1602-SS03-01	08/05/02	13:32
E5X89	008	MPT-1602-SB03-05	08/05/02	13:50
E5X9E	009	MPT-1602-SBDUP01-05	08/05/02	
E50A7	010	TRIP BLANK 080502	08/05/02	

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

STL Pittsburgh

TETRA TECH NUS, INC. CHAIN OF CUSTODY | NUMBER 0201 | PAGE 1 OF 1

PROJECT NO:	FACILITY:	PROJECT MANAGER	PHONE NUMBER	LABORATORY NAME AND CONTACT:
CTO 267	Building 1602	Terry Hansen	850-385-9899	STL Pittsburgh (Veronica Bertot)
SAMPLERS (SIGNATURE)		FIELD OPERATIONS LEADER: Joe Ferranti	PHONE NUMBER: 904-281-0900	ADDRESS: 450 Williams Pitt Way
		CARRIER/WAYBILL NUMBER: Fedex		CITY, STATE: Pittsburgh, PA 15238

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

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

PRESERVATIVE USED: meOH/Na2S2O3 / / / / / /

DATE YEAR 2002	TIME	SAMPLE ID	LOCATION ID	TOP DEPTH (FT)	BOTTOM DEPTH (FT)	MATRIX (GW, SO, SW, SD, QC, ETC.)	COLLECTION METHOD GRAP (G) COMP (C)	No. OF CONTAINERS	VOCs 8260	SVOCs 8270	RCRA metals (5) nickel 6010 7471	PCBs 8082	Total Recoverable Petroleum 418.1/9073	Chlorinated Herbicides 8151	Organochlorine Pesticides 8081		COMMENTS
08/05	1010	MPT-1602-SS01-01	SS01	0	1	SO	G	5	X	X	X	X	X	X	X		* Cool to 4°C
	1030	MPT-1602-SB01-05	SB01	4.5	5.5	SO	G	5	X	X	X	X	X	X	X		Analyze trip
	1110	MPT-1602-SS04-01	SS04	0	1	SO	G	5	X	X	X	X	X	X	X		blank for VOCs
	1120	MPT-1602-SB04-05	SB04	4.5	5.5	SO	G	5	X	X	X	X	X	X	X		only.
	1150	MPT-1602-SS02-01	SS02	0	1	SO	G	5	X	X	X	X	X	X	X		
	1205	MPT-1602-SB02-05	SB02	4.5	5.5	SO	G	5	X	X	X	X	X	X	X		
	1332	MPT-1602-SS03-01	SS03	0	1	SO	G	5	X	X	X	X	X	X	X		
	1350	MPT-1602-SB03-05	SB03	4.5	5.5	SO	G	5	X	X	X	X	X	X	X		
	0000	MPT-1602-SBDup01-05	—	—	—	SO	G	5	X	X	X	X	X	X	X		
✓	—	Trip Blank 080502	—	—	—	—	—	1	X	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~			

	DATE	TIME		DATE	TIME
1. RELINQUISHED BY: Joe Ferranti	8/5/02	1415	1. RECEIVED BY: Amber N. Hall	8-6-02	1000
2. RELINQUISHED BY			2. RECEIVED BY		
3. RELINQUISHED BY			3. RECEIVED BY		

COMMENTS

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

4/02R
FORM NO. TINUS-001

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: STL-PITTSBURGH Contract:

Lab Code: STLPIT Case No.: SAS No.: SDG No.: METHODS

Lab File ID: BF50810 BFB Injection Date: 08/10/02

Instrument ID: HP5 BFB Injection Time: 1357

GC Column: DB624 20M ID: 0.20 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	29.4
75	30.0 - 60.0% of mass 95	59.1
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 100.0% of mass 95	59.7
175	5.0 - 9.0% of mass 174	5.2 (8.7)1
176	95.0 - 101.0% of mass 174	57.8 (96.8)1
177	5.0 - 9.0% of mass 176	3.5 (6.1)2

1-Value is % mass 174 2-Value is % mass 176

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD1	VSTD1	1A50810	08/10/02	1500
02	VSTD5	VSTD5	1B50810	08/10/02	1527
03	VSTD10	VSTD10	1C50810	08/10/02	1554
04	VSTD20	VSTD20	1D50810	08/10/02	1621
05	VSTD40	VSTD40	1E50810	08/10/02	1648
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL-PITTSBURGH Contract:

Lab Code: STLPIT Case No.: SAS No.: SDG No.: METHODS

Instrument ID: HP5 Calibration Date(s): 08/10/02 08/10/02

Heated Purge: (Y/N) N Calibration Time(s): 1500 1648

GC Column: DB 624 ID: 0.18 (mm)

LAB FILE ID: RRF5 =1A50810 RRF25 =1B50810
RRF50 =1C50810 RRF100=1D50810 RRF200=1E50810

COMPOUND	RRF5	RRF25	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.565	0.600	0.596	0.543	0.476	0.556	9.1
Chloromethane *	0.519	0.419	0.385	0.365	0.334	0.404	17.6*
Vinyl Chloride	0.276	0.276	0.276	0.291	0.270	0.278	2.8
Bromomethane	0.234	0.228	0.223	0.210	0.183	0.216	9.5
Chloroethane	0.203	0.140	0.158	0.216	0.240	0.191	21.6
Trichlorofluoromethane	1.020	0.904	0.805	0.743	0.699	0.834	15.5
1,1-Dichloroethene	0.306	0.306	0.286	0.280	0.250	0.286	8.1
Methylene Chloride	0.258	0.299	0.277	0.284	0.234	0.270	9.3
trans-1,2-Dichloroethene	0.344	0.283	0.289	0.297	0.269	0.296	9.6
1,1-Dichloroethane *	0.671	0.608	0.615	0.590	0.523	0.601	8.8*
cis-1,2-dichloroethene	0.352	0.312	0.304	0.307	0.268	0.309	9.7
Chloroform	0.735	0.669	0.645	0.649	0.592	0.658	7.8
Bromochloromethane	0.157	0.145	0.151	0.148	0.133	0.147	5.9
1,1,1-Trichloroethane	0.790	0.696	0.672	0.656	0.600	0.683	10.2
Carbon Tetrachloride	0.652	0.583	0.593	0.589	0.538	0.591	6.9
1,2-Dichloroethane	0.826	0.750	0.726	0.738	0.649	0.738	8.6
Benzene	1.070	1.054	1.009	1.059	0.956	1.030	4.6
Trichloroethene	0.394	0.299	0.269	0.286	0.264	0.302	17.5
1,2-Dichloropropane	0.216	0.300	0.268	0.275	0.242	0.260	12.4
Bromodichloromethane	0.515	0.468	0.455	0.507	0.429	0.475	7.6
cis-1,3-Dichloropropene	0.440	0.413	0.423	0.466	0.436	0.436	4.6
Toluene	6.108	5.094	5.417	5.096	4.845	5.312	9.2
trans-1,3-Dichloropropene	1.777	1.877	2.134	2.182	2.038	2.002	8.6
1,1,2-Trichloroethane	1.092	1.040	1.061	1.100	0.992	1.057	4.1
Tetrachloroethene	1.197	0.946	1.051	0.985	0.967	1.029	9.9
Dibromochloromethane	1.374	1.248	1.428	1.447	1.308	1.361	6.1
Chlorobenzene *	3.850	3.484	3.790	3.306	3.216	3.529	8.0*
Ethylbenzene	1.524	1.797	1.958	1.831	1.821	1.786	8.9
Styrene	3.059	3.433	3.706	3.522	3.588	3.462	7.1
Bromoform *	0.713	0.686	0.786	0.812	0.763	0.752	6.9*
1,1,2,2-Tetrachloroethane *	0.944	0.821	0.848	0.896	0.807	0.863	6.5*
1,3-Dichlorobenzene	1.900	1.523	1.655	1.508	1.544	1.626	10.1
1,4-Dichlorobenzene	1.742	1.735	1.507	1.605	1.587	1.635	6.2
1,2-Dichlorobenzene	1.622	1.641	1.560	1.485	1.425	1.547	5.9
Dibromomethane	0.220	0.197	0.193	0.208	0.182	0.200	7.2
1,2-Dibromoethane	1.375	1.166	1.186	1.179	1.080	1.197	9.0
1,1,1,2-Tetrachloroethane	1.273	1.407	1.368	1.352	1.282	1.336	4.3

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL-PITTSBURGH Contract:

Lab Code: STLPIT Case No.: SAS No.: SDG No.: METHODS

Instrument ID: HP5 Calibration Date(s): 08/10/02 08/10/02

Heated Purge: (Y/N) N Calibration Time(s): 1500 1648

GC Column: DB 624 ID: 0.18 (mm)

LAB FILE ID: RRF5 =1A50810 RRF25 =1B50810
RRF50 =1C50810 RRF100=1D50810 RRF200=1E50810

COMPOUND	RRF5	RRF25	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
1,2,3-Trichloropropane	0.411	0.373	0.422	0.383	0.358	0.389	6.8
1,2-Dibromo-3-chloropropane	0.104	0.141	0.149	0.164	0.161	0.144	16.6
2,2-Dichloropropane	0.706	0.605	0.570	0.585	0.548	0.603	10.2
1,1-Dichloropropene	0.433	0.444	0.432	0.430	0.402	0.428	3.7
1,3-Dichloropropane	1.982	1.818	1.970	2.032	1.862	1.933	4.6
n-Propylbenzene	1.291	1.047	0.973	0.939	0.937	1.037	14.3
Bromobenzene	0.994	0.917	0.921	0.859	0.847	0.908	6.5
1,3,5-Trimethylbenzene	2.675	2.750	2.686	2.656	2.720	2.697	1.4
2-Chlorotoluene	0.899	0.920	0.893	0.868	0.873	0.891	2.4
4-Chlorotoluene	0.669	0.929	0.928	0.850	0.884	0.852	12.6
tert-Butylbenzene	2.077	2.416	2.540	2.424	2.502	2.392	7.7
1,2,4-Trimethylbenzene	2.380	2.631	2.529	2.558	2.667	2.553	4.4
sec-Butylbenzene	2.870	3.315	3.416	3.295	3.378	3.255	6.8
4-Isopropyltoluene	2.613	2.701	2.732	2.706	2.776	2.706	2.2
n-Butylbenzene	1.870	1.982	2.040	2.056	2.178	2.025	5.5
1,2,4-Trichlorobenzene	0.553	0.556	0.562	0.630	0.583	0.577	5.5
Hexachlorobutadiene	0.515	0.407	0.460	0.427	0.428	0.447	9.5
Naphthalene	1.002	0.916	0.992	1.285	1.294	1.098	16.2
1,2,3-Trichlorobenzene	0.433	0.498	0.528	0.565	0.557	0.516	10.4
Acetone	0.136	0.132	0.142	0.138	0.128	0.135	4.1
Carbon Disulfide	0.858	0.856	0.828	0.819	0.774	0.827	4.1
2-Butanone	0.095	0.104	0.121	0.155	0.137	0.122	19.9
4-Methyl-2-Pentanone	0.852	1.031	1.198	1.404	1.311	1.159	19.1
2-Hexanone	0.515	0.513	0.798	0.928	0.881	0.727	27.5
Methyl tert-butyl ether	0.980	0.853	0.869	0.974	0.860	0.907	7.1
Isopropylbenzene	5.284	5.685	6.028	5.728	5.642	5.673	4.7
1,2-Dichloroethene (total)	0.348	0.297	0.297	0.302	0.268	0.302	9.5
Xylenes (total)	1.960	2.326	2.165	2.112	2.029	2.118	6.6
1,1,2-Trichloro-1,2,2-Triflu	0.386	0.361	0.334	0.324	0.293	0.340	10.4
Methyl Acetate	0.207	0.198	0.205	0.260	0.205	0.215	11.7
Cyclohexane	2.287	1.998	2.126	2.002	2.075	2.098	5.6
Methyl Cyclohexane	1.717	1.563	1.560	1.654	1.564	1.612	4.4
Dibromofluoromethane	0.255	0.314	0.326	0.308	0.290	0.299	9.3
1,2-Dichloroethane-d4	0.596	0.563	0.586	0.569	0.538	0.570	3.9
Toluene-d8	2.639	3.884	4.672	4.281	4.376	3.970	20.0
Bromofluorobenzene	1.109	1.689	1.907	1.827	1.892	1.685	19.8

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: STL-PITTSBURGH Contract:

Lab Code: STLPIT Case No.: SAS No.: SDG No.: METHODS

Lab File ID: BF50626 BFB Injection Date: 06/26/02

Instrument ID: HP5 BFB Injection Time: 0545

GC Column: DB624 20M ID: 0.20 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	28.1
75	30.0 - 60.0% of mass 95	41.2
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.1
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 100.0% of mass 95	68.2
175	5.0 - 9.0% of mass 174	5.2 (7.6)1
176	95.0 - 101.0% of mass 174	65.7 (96.4)1
177	5.0 - 9.0% of mass 176	5.1 (7.7)2

1-Value is % mass 174 2-Value is % mass 176

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD1 BONUS	VSTD1 BONUS	1A50626	06/26/02	1014
02	VSTD5 BONUS	VSTD5 BONUS	1B50626	06/26/02	1041
03	VSTD10BONUS	VSTD10BONUS	1C50626	06/26/02	1108
04	VSTD20BONUS	VSTD20BONUS	1D50626	06/26/02	1135
05	VSTD40BONUS	VSTD40BONUS	2E50626	06/26/02	1255
06					
07					
08					
09					
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15					
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22					

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL-PITTSBURGH Contract:

Lab Code: STLPIT Case No.: SAS No.: SDG No.: METHODS

Instrument ID: HP5 Calibration Date(s): 06/26/02 06/26/02

Heated Purge: (Y/N) N Calibration Time(s): 1014 1255

GC Column: DB 624 ID: 0.18 (mm)

LAB FILE ID: RRF5 =1A50626 RRF25 =1B50626
RRF50 =1C50626 RRF100=1D50626 RRF200=2E50626

COMPOUND	RRF5	RRF25	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
Vinyl Acetate	0.511	0.515	0.625	0.684	0.575	0.582	12.7
Acrolein	0.042	0.047	0.048	0.048	0.038	0.045	9.7
Acrylonitrile	0.197	0.196	0.187	0.192	0.158	0.186	8.8
2-Chloroethyl vinyl ether	0.116	0.151	0.192	0.219	0.178	0.171	23.0
Iodomethane	0.099	0.102	0.160	0.167	0.170	0.140	25.9
t 1,4-Dichloro-2-butene	0.304	0.288	0.325	0.330	0.260	0.301	9.5
Acetonitrile	0.052	0.030	0.035	0.034	0.030	0.036	25.4
2-Chloro-1,3-butadiene	0.462	0.437	0.518	0.516	0.389	0.464	11.7
3-Chloro-1-propene	0.120	0.090	0.108	0.108	0.088	0.103	13.1
1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	5.7
Isobutanol	0.008	0.008	0.006	0.008	0.006	0.007	14.9
Ethyl methacrylate	0.936	0.825	1.171	1.163	1.036	1.026	14.5
Methyl methacrylate	0.320	0.257	0.372	0.366	0.290	0.321	15.3
Methacrylonitrile	0.219	0.228	0.248	0.254	0.221	0.234	6.9
Propionitrile	0.048	0.042	0.054	0.055	0.052	0.050	10.1

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

FORM VI VOA OLM03.0

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: STL-PITTSBURGH Contract:

Lab Code: STLPIT Case No.: SAS No.: SDG No.: C2H060115

Lab File ID: DF50813K BFB Injection Date: 08/13/02

Instrument ID: HP5 BFB Injection Time: 0759

GC Column: DB624 20M ID: 0.20 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.6
75	30.0 - 60.0% of mass 95	51.7
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.0
173	Less than 2.0% of mass 174	0.7 (1.1)1
174	50.0 - 100.0% of mass 95	65.5
175	5.0 - 9.0% of mass 174	4.5 (6.8)1
176	95.0 - 101.0% of mass 174	62.8 (95.8)1
177	5.0 - 9.0% of mass 176	4.2 (6.6)2

1-Value is % mass 174 2-Value is % mass 176

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD10 BONUS	VSTD10 BONUS	1C50813K	08/13/02	0846
02	VSTD10	VSTD10	2C50813K	08/13/02	0910
03	INTRA-LAB BL	E6C6X1AA	WB50813K	08/13/02	0947
04	INTRA-LAB CH	E6C6X1AC	50813K05	08/13/02	1151
05	TRIP BLANK 0	E50A71AA	50813K24	08/13/02	1946
06					
07					
08					
09					
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22					

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL-PITTSBURGH Contract:

Lab Code: STLPIT Case No.: SAS No.: SDG No.: METHODS

Instrument ID: HP5 Calibration Date: 08/13/02 Time: 0910

Lab File ID: 2C50813K Init. Calib. Date(s): 08/10/02 08/10/02

Heated Purge: (Y/N) N Init. Calib. Times: 1500 1648

GC Column: DB 624 ID: 0.18 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.556	0.626	0.01	12.6	50.0
Chloromethane	0.404	0.335	0.1	17.1	50.0
Vinyl Chloride	0.278	0.275	0.01	1.1	20.0
Bromomethane	0.216	0.210	0.01	2.8	50.0
Chloroethane	0.191	0.240	0.01	25.6	50.0
Trichlorofluoromethane	0.834	0.656	0.01	21.3	50.0
1,1-Dichloroethene	0.286	0.282	0.01	1.4	20.0
Methylene Chloride	0.270	0.300	0.01	11.1	50.0
trans-1,2-Dichloroethene	0.296	0.317	0.01	7.1	50.0
1,1-Dichloroethane	0.601	0.542	0.1	9.8	50.0
cis-1,2-dichloroethene	0.309	0.306	0.01	1.0	50.0
Chloroform	0.658	0.668	0.01	1.5	20.0
Bromochloromethane	0.147	0.141	0.01	4.1	50.0
1,1,1-Trichloroethane	0.683	0.634	0.01	7.2	50.0
Carbon Tetrachloride	0.591	0.501	0.01	15.2	50.0
1,2-Dichloroethane	0.738	0.594	0.01	19.5	50.0
Benzene	1.030	1.146	0.01	11.3	50.0
Trichloroethene	0.302	0.263	0.01	12.9	50.0
1,2-Dichloropropane	0.260	0.254	0.01	2.3	20.0
Bromodichloromethane	0.475	0.458	0.01	3.6	50.0
cis-1,3-Dichloropropene	0.436	0.461	0.01	5.7	50.0
Toluene	5.312	5.346	0.01	0.6	20.0
trans-1,3-Dichloropropene	2.002	2.011	0.01	0.4	50.0
1,1,2-Trichloroethane	1.057	1.233	0.01	16.6	50.0
Tetrachloroethene	1.029	0.930	0.01	9.6	50.0
Dibromochloromethane	1.361	1.294	0.01	4.9	50.0
Chlorobenzene	3.529	3.386	0.3	4.0	50.0
Ethylbenzene	1.786	1.861	0.01	4.2	20.0
Styrene	3.462	3.536	0.01	2.1	50.0
Bromoform	0.752	0.792	0.1	5.3	50.0
1,1,2,2-Tetrachloroethane	0.863	0.823	0.3	4.6	50.0
1,3-Dichlorobenzene	1.626	1.449	0.01	10.9	50.0
1,4-Dichlorobenzene	1.635	1.435	0.01	12.2	50.0
1,2-Dichlorobenzene	1.547	1.369	0.01	11.5	50.0
Dibromomethane	0.200	0.218	0.01	9.0	50.0
1,2-Dibromoethane	1.197	1.174	0.01	1.9	50.0
1,1,1,2-Tetrachloroethane	1.336	1.256	0.01	6.0	50.0

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL-PITTSBURGH Contract:

Lab Code: STLPIT Case No.: SAS No.: SDG No.: METHODS

Instrument ID: HP5 Calibration Date: 08/13/02 Time: 0910

Lab File ID: 2C50813K Init. Calib. Date(s): 08/10/02 08/10/02

Heated Purge: (Y/N) N Init. Calib. Times: 1500 1648

GC Column: DB 624 ID: 0.18 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
1,2,3-Trichloropropane	0.389	0.339	0.01	12.8	50.0
1,2-Dibromo-3-chloropropane	0.144	0.160	0.01	11.1	50.0
2,2-Dichloropropane	0.603	0.528	0.01	12.4	50.0
1,1-Dichloropropene	0.428	0.409	0.01	4.4	50.0
1,3-Dichloropropane	1.933	2.137	0.01	10.6	50.0
n-Propylbenzene	1.037	0.821	0.01	20.8	50.0
Bromobenzene	0.908	0.781	0.01	14.0	50.0
1,3,5-Trimethylbenzene	2.697	2.551	0.01	5.4	50.0
2-Chlorotoluene	0.891	0.801	0.01	10.1	50.0
4-Chlorotoluene	0.852	0.789	0.01	7.4	50.0
tert-Butylbenzene	2.392	2.322	0.01	2.9	50.0
1,2,4-Trimethylbenzene	2.553	2.488	0.01	2.5	50.0
sec-Butylbenzene	3.255	3.302	0.01	1.4	50.0
4-Isopropyltoluene	2.706	2.748	0.01	1.6	50.0
n-Butylbenzene	2.025	2.304	0.01	13.8	50.0
1,2,4-Trichlorobenzene	0.577	0.640	0.01	10.9	50.0
Hexachlorobutadiene	0.447	0.516	0.01	15.4	50.0
Naphthalene	1.098	1.116	0.01	1.6	50.0
1,2,3-Trichlorobenzene	0.516	0.593	0.01	14.9	50.0
Acetone	0.135	0.129	0.01	4.4	50.0
Carbon Disulfide	0.827	0.834	0.01	0.8	50.0
2-Butanone	0.122	0.100	0.01	18.0	50.0
4-Methyl-2-Pentanone	1.159	0.867	0.01	25.2	50.0
2-Hexanone	0.727	0.599	0.01	17.6	50.0
Methyl tert-butyl ether	0.907	1.012	0.01	11.6	50.0
Isopropylbenzene	5.673	5.711	0.01	0.7	50.0
1,2-Dichloroethene (total)	0.302	0.312	0.01	3.3	50.0
Xylenes (total)	2.118	2.064	0.01	2.5	50.0
1,1,2-Trichloro-1,2,2-Triflu	0.340	0.282	0.01	17.0	50.0
Methyl Acetate	0.215	0.184	0.01	14.4	50.0
Cyclohexane	2.098	1.712	0.01	18.4	50.0
Methyl Cyclohexane	1.612	1.832	0.01	13.6	50.0
Dibromofluoromethane	0.299	0.258	0.01	13.7	50.0
1,2-Dichloroethane-d4	0.570	0.468	0.01	17.9	50.0
Toluene-d8	3.970	3.958	0.01	0.3	50.0
Bromofluorobenzene	1.685	1.945	0.01	15.4	50.0

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL-PITTSBURGH Contract:

Lab Code: STLPIT Case No.: SAS No.: SDG No.: 50813D

Instrument ID: HP5 Calibration Date: 08/13/02 Time: 0846

Lab File ID: 1C50813K Init. Calib. Date(s): 06/26/02 06/26/02

Heated Purge: (Y/N) N Init. Calib. Times: 1014 1255

GC Column: DB 624 ID: 0.18 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D	
Vinyl Acetate	0.582	0.393	0.01	32.5	50.0	
Acrolein	0.045	0.028	0.01	37.8	50.0	
Acrylonitrile	0.186	0.076	0.01	59.1	50.0	<-
2-Chloroethyl vinyl ether	0.171	0.202	0.01	18.1	50.0	
Iodomethane	0.140	0.128	0.01	8.6	50.0	
t 1,4-Dichloro-2-butene	0.301	0.310	0.01	3.0	50.0	
Acetonitrile	0.036	0.019	0.01	47.2	50.0	
2-Chloro-1,3-butadiene	0.464	0.454	0.01	2.2	50.0	
3-Chloro-1-propene	0.103	0.110	0.01	6.8	50.0	
1,4-Dioxane	0.002	0.003	0.01	50.0	50.0	
Isobutanol	0.007	0.006	0.01	14.3	50.0	
Ethyl methacrylate	1.026	1.324	0.01	29.0	50.0	
Methyl methacrylate	0.321	0.252	0.01	21.5	50.0	
Methacrylonitrile	0.234	0.157	0.01	32.9	50.0	
Propionitrile	0.050	0.037	0.01	26.0	50.0	

FORM VII VOA

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: C2H060115
MB Lot-Sample #: C2H130000-173

Work Order #...: E6C6X1AA

Matrix.....: WATER

Prep Date.....: 08/13/02
Prep Batch #...: 2225173
Initial Wgt/Vol: 5 mL
Analyst ID.....: 010099

Analysis Date..: 08/13/02
Dilution Factor: 1

Analysis Time..: 09:47
Final Wgt/Vol..: 5 mL
Instrument ID..: HP5

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	10	ug/L	SW846 8260B
Acetonitrile	ND	20	ug/L	SW846 8260B
Acrolein	ND	20	ug/L	SW846 8260B
Acrylonitrile	ND	20	ug/L	SW846 8260B
Allyl chloride	ND	1.0	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B
Bromoform	ND	1.0	ug/L	SW846 8260B
Bromomethane	ND	2.0	ug/L	SW846 8260B
2-Butanone (MEK)	ND	5.0	ug/L	SW846 8260B
Carbon disulfide	ND	1.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B
Chlorobenzene	ND	1.0	ug/L	SW846 8260B
Chloroethane	ND	2.0	ug/L	SW846 8260B
Chloroform	ND	1.0	ug/L	SW846 8260B
Chloromethane	ND	2.0	ug/L	SW846 8260B
Chloroprene	ND	1.0	ug/L	SW846 8260B
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	1.0	ug/L	SW846 8260B
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	SW846 8260B
Dibromomethane	ND	1.0	ug/L	SW846 8260B
trans-1,4-Dichloro-2-butene	ND	1.0	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	2.0	ug/L	SW846 8260B
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B
1,4-Dioxane	ND	200	ug/L	SW846 8260B
Ethylbenzene	ND	1.0	ug/L	SW846 8260B
Ethyl methacrylate	ND	1.0	ug/L	SW846 8260B
2-Hexanone	ND	5.0	ug/L	SW846 8260B
Iodomethane	ND	1.0	ug/L	SW846 8260B
Isobutyl alcohol	ND	40	ug/L	SW846 8260B
Methacrylonitrile	ND	1.0	ug/L	SW846 8260B
Methylene chloride	ND	2.0	ug/L	SW846 8260B

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: C2H060115 Work Order #...: E6C6X1AA Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Methyl methacrylate	ND	1.0	ug/L	SW846 8260B
4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/L	SW846 8260B
Propionitrile	ND	2.0	ug/L	SW846 8260B
Styrene	ND	1.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	1.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B
Trichloroethene	ND	1.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	2.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	1.0	ug/L	SW846 8260B
Vinyl acetate	ND	1.0	ug/L	SW846 8260B
Vinyl chloride	ND	2.0	ug/L	SW846 8260B
o-Xylene	ND	1.0	ug/L	SW846 8260B
m-Xylene & p-Xylene	ND	2.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Toluene-d8	94	(76 - 110)
1,2-Dichloroethane-d4	77	(61 - 128)
4-Bromofluorobenzene	105	(74 - 116)
Dibromofluoromethane	83	(73 - 122)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

SW846 8260B SURROGATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: TETRA TECH NUS INC

Lab Code: STLPIT SDG No:

Lot #: C2H060115

Extraction: XXA15QK01

	CLIENT ID.	SRG01	SRG02	SRG03	SRG04	TOT OUT
01	INTRA-LAB QC	80	101	83	91	00

SURROGATES		QC LIMITS
SRG01	= 1,2-Dichloroethane-d4	(61-130)
SRG02	= Toluene-d8	(60-143)
SRG03	= 4-Bromofluorobenzene	(47-158)
SRG04	= Dibromofluoromethane	(59-138)

\# Column to be used to flag recovery values
* Values outside of required QC Limits
D System monitoring Compound diluted out

FORM II

SW846 8260B CHECK SAMPLE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: TETRA TECH NUS INC

Lab Code: STLPIT SDG No:

Lot #: C2H130000 WO #: E6C6X1AC
BATCH: 2225173

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	% REC	QC LIMITS REC	QUAL
1,1-Dichloroethene	10.0	9.18	92	63- 130	
Trichloroethene	10.0	7.84	78	75- 122	
Benzene	10.0	9.68	97	80- 116	
Toluene	10.0	8.62	86	74- 119	
Chlorobenzene	10.0	8.55	86	76- 117	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS:

FORM III

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL-PITTSBURGH Contract:

Lab Code: STLPIT Case No.: SAS No.: SDG No.: C2H060115

Lab File ID (Standard): 2C50813K Date Analyzed: 08/13/02

Instrument ID: HP5 Time Analyzed: 0910

GC Column: DB 624 ID: 0.18 (mm) Heated Purge: (Y/N) N

		IS1 (CBZ) AREA #	RT #	IS2 (DCB) AREA #	RT #	IS3 AREA #	RT #
	12 HOUR STD	23068	9.79	38195	12.10	97608	6.68
	UPPER LIMIT	46136	9.99	76390	12.30	195216	6.88
	LOWER LIMIT	11534	9.59	19098	11.90	48804	6.48
	EPA SAMPLE NO.						
01	INTRA-LAB BL	28339	9.79	37934	12.10	119358	6.68
02	INTRA-LAB CH	23883	9.79	34109	12.10	98571	6.68
03	TRIP BLANK 0	31404	9.79	45589	12.10	141013	6.68
04							
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IS1 (CBZ) = Chlorobenzene-d5
IS2 (DCB) = 1,4-Dichlorobenzene-d4
IS3 = Fluorobenzene

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.20 minutes of internal standard RT
RT LOWER LIMIT = - 0.20 minutes of internal standard RT

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

page 1 of 1

FORM VIII VOA OLM03.0

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: STL-PITTSBURGH Contract:

Lab Code: STLPIT Case No.: SAS No.: SDG No.: METHODS

Lab File ID: BF40801 BFB Injection Date: 08/01/02

Instrument ID: HP4 BFB Injection Time: 0626

GC Column: DB624 20M ID: 0.18 (mm) Heated Purge: (Y/N) Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	23.8
75	30.0 - 60.0% of mass 95	47.0
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	50.0 - 100.0% of mass 95	79.3
175	5.0 - 9.0% of mass 174	5.7 (7.2)1
176	95.0 - 101.0% of mass 174	79.1 (99.7)1
177	5.0 - 9.0% of mass 176	5.4 (6.8)2

1-Value is % mass 174 2-Value is % mass 176

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD20	VSTD20	1B40801	08/01/02	0728
02	VSTD50	VSTD50	1C40801	08/01/02	0758
03	VSTD100	VSTD100	1D40801	08/01/02	0828
04	VSTD200	VSTD200	1E40801	08/01/02	0858
05	VSTD5	VSTD5	2A40801	08/01/02	1029
06					
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6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL-PITTSBURGH Contract:

Lab Code: STLPIT Case No.: SAS No.: SDG No.: METHODS

Instrument ID: HP4 Calibration Date(s): 08/01/02 08/01/02

Heated Purge: (Y/N) Y Calibration Time(s): 0728 1029

GC Column: DB 624 ID: 0.18 (mm)

LAB FILE ID: RRF5 =2A40801 RRF20 =1B40801
RRF50 =1C40801 RRF100=1D40801 RRF200=1E40801

COMPOUND	RRF5	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.258	0.392	0.360	0.358	0.365	0.347	14.8
Chloromethane *	0.587	0.537	0.490	0.499	0.510	0.525	7.4*
Vinyl Chloride	0.368	0.377	0.356	0.365	0.380	0.369	2.6
Bromomethane	0.066	0.056	0.052	0.055	0.059	0.058	9.1
Chloroethane	0.089	0.098	0.086	0.082	0.080	0.087	8.3
Trichlorofluoromethane	0.106	0.137	0.130	0.120	0.120	0.123	9.6
1,1-Dichloroethene	0.228	0.239	0.217	0.222	0.225	0.226	3.5
Methylene Chloride	0.289	0.273	0.219	0.221	0.232	0.247	12.9
trans-1,2-Dichloroethene	0.242	0.257	0.226	0.232	0.251	0.242	5.4
1,1-Dichloroethane *	0.474	0.507	0.442	0.445	0.477	0.469	5.7*
cis-1,2-dichloroethene	0.256	0.275	0.242	0.242	0.264	0.256	5.6
Chloroform	0.402	0.447	0.366	0.373	0.396	0.397	8.1
Bromochloromethane	0.114	0.120	0.100	0.104	0.111	0.110	7.0
1,1,1-Trichloroethane	0.320	0.361	0.320	0.328	0.348	0.335	5.5
Carbon Tetrachloride	0.200	0.258	0.237	0.249	0.271	0.243	11.1
1,2-Dichloroethane	0.322	0.349	0.285	0.291	0.297	0.309	8.6
Benzene	1.064	1.158	0.983	1.003	1.051	1.052	6.5
Trichloroethene	0.221	0.252	0.216	0.223	0.239	0.230	6.6
1,2-Dichloropropane	0.277	0.317	0.262	0.271	0.286	0.283	7.5
Bromodichloromethane	0.221	0.288	0.240	0.256	0.276	0.256	10.5
cis-1,3-Dichloropropene	0.321	0.411	0.352	0.378	0.401	0.373	9.9
Toluene	5.653	6.045	4.898	4.948	5.186	5.346	9.2
trans-1,3-Dichloropropene	1.371	1.690	1.456	1.538	1.638	1.539	8.5
1,1,2-Trichloroethane	0.958	1.088	0.874	0.904	0.947	0.954	8.6
Tetrachloroethene	0.925	1.035	0.875	0.891	0.952	0.936	6.8
Dibromochloromethane	0.679	0.899	0.764	0.832	0.906	0.816	11.8
Chlorobenzene *	3.350	3.594	2.904	3.023	3.150	3.204	8.5*
Ethylbenzene	1.768	2.035	1.676	1.738	1.832	1.810	7.6
Styrene	3.237	4.050	3.371	3.519	3.674	3.570	8.8
Bromoform *	0.425	0.601	0.544	0.595	0.651	0.563	15.3*
1,1,2,2-Tetrachloroethane *	0.804	0.901	0.733	0.728	0.750	0.783	9.2*
1,3-Dichlorobenzene	1.450	1.658	1.313	1.343	1.369	1.427	9.7
1,4-Dichlorobenzene	1.630	1.733	1.362	1.375	1.428	1.506	11.1
1,2-Dichlorobenzene	1.365	1.562	1.221	1.233	1.300	1.336	10.4
Dibromomethane	0.134	0.146	0.121	0.121	0.129	0.130	7.8
1,2-Dibromoethane	0.882	0.984	0.833	0.860	0.902	0.892	6.4
1,1,1,2-Tetrachloroethane	0.887	1.095	0.906	0.950	1.006	0.969	8.7

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL-PITTSBURGH Contract:

Lab Code: STLPIT Case No.: SAS No.: SDG No.: METHODS

Instrument ID: HP4 Calibration Date(s): 08/01/02 08/01/02

Heated Purge: (Y/N) Y Calibration Time(s): 0728 1029

GC Column: DB 624 ID: 0.18 (mm)

LAB FILE ID: RRF5 =2A40801 RRF20 =1B40801
RRF50 =1C40801 RRF100=1D40801 RRF200=1E40801

COMPOUND	RRF5	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
1,2,3-Trichloropropane	0.236	0.267	0.220	0.217	0.217	0.231	9.3
1,2-Dibromo-3-chloropropane	0.083	0.123	0.120	0.133	0.144	0.121	19.2
2,2-Dichloropropane	0.314	0.346	0.307	0.317	0.343	0.325	5.4
1,1-Dichloropropene	0.312	0.364	0.327	0.333	0.355	0.338	6.2
1,3-Dichloropropane	1.828	1.987	1.649	1.704	1.760	1.786	7.3
n-Propylbenzene	0.824	1.012	0.838	0.863	0.899	0.887	8.5
Bromobenzene	0.783	0.879	0.703	0.710	0.746	0.764	9.4
1,3,5-Trimethylbenzene	2.400	2.921	2.399	2.440	2.542	2.540	8.7
2-Chlorotoluene	0.737	0.844	0.678	0.698	0.725	0.736	8.7
4-Chlorotoluene	0.702	0.863	0.694	0.704	0.739	0.740	9.5
tert-Butylbenzene	1.992	2.537	2.102	2.130	2.232	2.199	9.4
1,2,4-Trimethylbenzene	2.325	2.790	2.334	2.360	2.487	2.459	8.0
sec-Butylbenzene	3.183	3.922	3.308	3.345	3.462	3.444	8.3
4-Isopropyltoluene	2.696	3.059	2.672	2.659	2.751	2.767	6.0
n-Butylbenzene	2.068	2.709	2.381	2.405	2.564	2.425	9.9
1,2,4-Trichlorobenzene	0.664	0.785	0.686	0.736	0.792	0.733	7.8
Hexachlorobutadiene	0.453	0.545	0.441	0.468	0.488	0.479	8.5
Naphthalene	1.129	1.593	1.439	1.542	1.638	1.468	13.9
1,2,3-Trichlorobenzene	0.653	0.769	0.641	0.672	0.724	0.692	7.7
Acetone	0.866	0.424	0.304	0.264	0.239	0.419	61.8
Carbon Disulfide	0.712	0.798	0.732	0.766	0.811	0.764	5.5
2-Butanone	0.388	0.345	0.290	0.286	0.281	0.318	14.9
4-Methyl-2-Pentanone	1.481	1.786	1.577	1.571	1.596	1.602	7.0
2-Hexanone	1.383	1.809	1.632	1.631	1.608	1.613	9.4
Methyl tert-butyl ether	0.613	0.664	0.584	0.614	0.657	0.626	5.3
Isopropylbenzene	4.926	6.173	5.194	5.347	5.518	5.432	8.6
1,2-Dichloroethene (total)	0.249	0.266	0.234	0.237	0.258	0.249	5.5
Xylenes (total)	1.952	2.323	1.941	2.035	2.135	2.077	7.6
Methyl acetate	0.372	0.310	0.263	0.248	0.246	0.288	18.7
1,1,2-Trichlorotrifluoroetha	0.218	0.242	0.219	0.221	0.223	0.225	4.4
Cyclohexane	0.519	0.638	0.574	0.588	0.629	0.590	8.1
methyl cyclohexane	0.444	0.543	0.487	0.500	0.530	0.501	7.8
Dibromofluoromethane	0.202	0.248	0.204	0.205	0.209	0.214	9.1
1,2-Dichloroethane-d4	0.267	0.318	0.255	0.251	0.244	0.267	11.1
Toluene-d8	4.187	5.414	4.280	4.299	4.320	4.500	11.4
Bromofluorobenzene	1.549	1.916	1.572	1.602	1.576	1.643	9.4

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

SW846 8260B SURROGATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: TETRA TECH NUS INC

Lab Code: STLPIT SDG No:

Lot #: C2H060115

Extraction: XXA4EQK01

	CLIENT ID.	SRG01	SRG02	SRG03	SRG04	TOT OUT
01	MPT-1602-SS01-01	81	89	89	96	00
02	MPT-1602-SB01-05	80	89	90	99	00
03	MPT-1602-SS04-01	80	88	87	102	00
04	MPT-1602-SB04-05	81	89	89	98	00
05	MPT-1602-SS02-01	83	89	88	105	00
06	MPT-1602-SB02-05	81	88	89	102	00
07	MPT-1602-SS03-01	82	88	88	96	00
08	MPT-1602-SB03-05	82	88	88	97	00
09	MPT-1602-SBDUP01-05	81	89	87	96	00
10	METHOD BLK. E52HG1AA	79	98	89	94	00
11	LCS E52HG1AC	76	96	92	93	00

SURROGATES		QC LIMITS
SRG01	= 1,2-Dichloroethane-d4	(61-130)
SRG02	= Toluene-d8	(60-143)
SRG03	= 4-Bromofluorobenzene	(47-158)
SRG04	= Dibromofluoromethane	(59-138)

\# Column to be used to flag recovery values
* Values outside of required QC Limits
D System monitoring Compound diluted out

FORM II

SW846 8260B SURROGATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: TETRA TECH NUS INC

Lab Code: STLPIT SDG No:

Lot #: C2H060115

Extraction: XXI25QK01

	CLIENT ID.	SRG01	SRG02	SRG03	SRG04	TOT OUT
01	TRIP BLANK 080502	78	100	97	85	00
02	INTRA-LAB QC	82	94	106	84	00
03	METHOD BLK. E6C6X1AA	77	94	105	83	00
04	LCS E6C6X1AC	70	89	97	79	00
05	LAB MS/MSD D	77	88	110	83	00
06	LAB MS/MSD S	76	93	109	82	00

SURROGATES		QC LIMITS
SRG01	= 1,2-Dichloroethane-d4	(61-128)
SRG02	= Toluene-d8	(76-110)
SRG03	= 4-Bromofluorobenzene	(74-116)
SRG04	= Dibromofluoromethane	(73-122)

\# Column to be used to flag recovery values
* Values outside of required QC Limits
D System monitoring Compound diluted out

FORM II

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: STL-PITTSBURGH Contract:

Lab Code: STLPIT Case No.: SAS No.: SDG No.: METHODS

Lab File ID: BF40208 BFB Injection Date: 02/08/02

Instrument ID: HP4 BFB Injection Time: 0650

GC Column: DB624 20M ID: 0.18 (mm) Heated Purge: (Y/N) Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.7
75	30.0 - 60.0% of mass 95	40.0
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.0
173	Less than 2.0% of mass 174	0.7 (0.9)1
174	50.0 - 100.0% of mass 95	84.5
175	5.0 - 9.0% of mass 174	6.4 (7.5)1
176	95.0 - 101.0% of mass 174	83.3 (98.6)1
177	5.0 - 9.0% of mass 176	5.4 (6.5)2

1-Value is % mass 174 2-Value is % mass 176

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD50 BONUS	VSTD50 BONUS	CC40208	02/08/02	0723
02	VSTD5 BONUS	VSTD5 BONUS	1A40208	02/08/02	0831
03	VSTD20 BONUS	VSTD20 BONUS	1B40208	02/08/02	0900
04	VSTD100 BONU	VSTD100 BONUS	1D40208	02/08/02	0929
05	VSTD200 BONU	VSTD200 BONUS	1E40208	02/08/02	0959
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6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL-PITTSBURGH Contract:

Lab Code: STLPIT Case No.: SAS No.: SDG No.: METHODS

Instrument ID: HP4 Calibration Date(s): 02/08/02 02/08/02

Heated Purge: (Y/N) Y Calibration Time(s): 0723 0959

GC Column: DB 624 ID: 0.18 (mm)

LAB FILE ID: RRF5 =1A40208 RRF20 =1B40208
RRF50 =CC40208 RRF100=1D40208 RRF200=1E40208

COMPOUND	RRF5	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
Vinyl Acetate	0.514	0.551	0.564	0.555	0.545	0.546	3.5
Acrolein	0.044	0.046	0.051	0.047	0.044	0.046	6.3
Acrylonitrile	0.121	0.116	0.128	0.124	0.125	0.123	3.6
2-Chloroethyl vinyl ether	0.105	0.100	0.104	0.130	0.133	0.114	13.9
Iodomethane	0.072	0.079	0.060	0.064	0.047	0.064	18.8
Acetonitrile *	0.029	0.026	0.026	0.025	0.024	0.026	7.1*
2-Chloro-1,3-butadiene	0.450	0.486	0.496	0.513	0.503	0.490	4.9
3-Chloro-1-propene	0.101	0.109	0.109	0.108	0.101	0.106	3.9
1,4-Dioxane *	0.003	0.003	0.003	0.003	0.003	0.003	2.5*
Isobutanol *	0.016	0.014	0.014	0.014	0.014	0.014	6.0*
Ethyl methacrylate	1.083	1.350	1.382	1.439	1.423	1.335	10.9
Methyl methacrylate	0.255	0.286	0.297	0.300	0.296	0.287	6.5
Methacrylonitrile	0.219	0.207	0.210	0.206	0.201	0.209	3.1
Propionitrile	0.051	0.049	0.051	0.049	0.048	0.050	2.5
trans-1,4-Dichloro-2-butene	0.195	0.280	0.317	0.319	0.322	0.287	18.8

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

FORM VI VOA OLM03.0

5A
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: STL-PITTSBURGH Contract:

Lab Code: STLPIT Case No.: SAS No.: SDG No.: C2H060115

Lab File ID: BF40807 BFB Injection Date: 08/07/02

Instrument ID: HP4 BFB Injection Time: 0633

GC Column: DB624 20M ID: 0.18 (mm) Heated Purge: (Y/N) Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0% of mass 95	19.0	
75	30.0 - 60.0% of mass 95	40.4	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.4	
173	Less than 2.0% of mass 174	0.3	(0.3)1
174	50.0 - 100.0% of mass 95	89.9	
175	5.0 - 9.0% of mass 174	6.3	(7.0)1
176	95.0 - 101.0% of mass 174	86.3	(96.0)1
177	5.0 - 9.0% of mass 176	5.4	(6.3)2

1-Value is % mass 174 2-Value is % mass 176

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	VSTD50	VSTD50	CC40807	08/07/02	0710
02	VSTD50 BONUS	VSTD50 BONUS	2C40807	08/07/02	0820
03	INTRA-LAB BL	E52HG1AA	4080701	08/07/02	0858
04	INTRA-LAB CH	E52HG1AC	4080703	08/07/02	1002
05	MPT-1602-SS0	E5X8M1AC	4080709	08/07/02	1249
06	MPT-1602-SB0	E5X8N1AC	4080710	08/07/02	1319
07	MPT-1602-SS0	E5X8P1AC	4080711	08/07/02	1349
08	MPT-1602-SB0	E5X8R1AC	4080712	08/07/02	1419
09	MPT-1602-SS0	E5X8V1AC	4080713	08/07/02	1448
10	MPT-1602-SB0	E5X811AC	4080714	08/07/02	1518
11	MPT-1602-SS0	E5X831AC	4080715	08/07/02	1548
12	MPT-1602-SB0	E5X891AC	4080716	08/07/02	1618
13	MPT-1602-SBD	E5X9E1AC	4080717	08/07/02	1647
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FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL-PITTSBURGH Contract:

Lab Code: STLPIT Case No.: SAS No.: SDG No.: METHODS

Instrument ID: HP4 Calibration Date: 08/07/02 Time: 0710

Lab File ID: CC40807 Init. Calib. Date(s): 08/01/02 08/01/02

Heated Purge: (Y/N) Y Init. Calib. Times: 0728 1029

GC Column: DB 624 ID: 0.18 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Dichlorodifluoromethane	0.347	0.301	0.01	13.2	50.0
Chloromethane	0.525	0.419	0.1	20.2	50.0
Vinyl Chloride	0.369	0.309	0.01	16.3	20.0
Bromomethane	0.058	0.043	0.01	25.9	50.0
Chloroethane	0.087	0.066	0.01	24.1	50.0
Trichlorofluoromethane	0.123	0.086	0.01	30.1	50.0
1,1-Dichloroethene	0.226	0.193	0.01	14.6	20.0
Methylene Chloride	0.247	0.196	0.01	20.6	50.0
trans-1,2-Dichloroethene	0.242	0.240	0.01	0.8	50.0
1,1-Dichloroethane	0.469	0.403	0.1	14.1	50.0
cis-1,2-dichloroethene	0.256	0.244	0.01	4.7	50.0
Chloroform	0.397	0.326	0.01	17.9	20.0
Bromochloromethane	0.110	0.106	0.01	3.6	50.0
1,1,1-Trichloroethane	0.335	0.281	0.01	16.1	50.0
Carbon Tetrachloride	0.243	0.221	0.01	9.0	50.0
1,2-Dichloroethane	0.309	0.220	0.01	28.8	50.0
Benzene	1.052	0.958	0.01	8.9	50.0
Trichloroethene	0.230	0.224	0.01	2.6	50.0
1,2-Dichloropropane	0.283	0.243	0.01	14.1	20.0
Bromodichloromethane	0.256	0.212	0.01	17.2	50.0
cis-1,3-Dichloropropene	0.373	0.324	0.01	13.1	50.0
Toluene	5.346	4.690	0.01	12.3	20.0
trans-1,3-Dichloropropene	1.539	1.248	0.01	18.9	50.0
1,1,2-Trichloroethane	0.954	0.818	0.01	14.2	50.0
Tetrachloroethene	0.936	0.893	0.01	4.6	50.0
Dibromochloromethane	0.816	0.752	0.01	7.8	50.0
Chlorobenzene	3.204	2.936	0.3	8.4	50.0
Ethylbenzene	1.810	1.662	0.01	8.2	20.0
Styrene	3.570	3.288	0.01	7.9	50.0
Bromoform	0.563	0.519	0.1	7.8	50.0
1,1,2,2-Tetrachloroethane	0.783	0.621	0.3	20.7	50.0
1,3-Dichlorobenzene	1.427	1.272	0.01	10.9	50.0
1,4-Dichlorobenzene	1.506	1.353	0.01	10.2	50.0
1,2-Dichlorobenzene	1.336	1.218	0.01	8.8	50.0
Dibromomethane	0.130	0.110	0.01	15.4	50.0
1,2-Dibromoethane	0.892	0.780	0.01	12.6	50.0
1,1,1,2-Tetrachloroethane	0.969	0.859	0.01	11.4	50.0

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL-PITTSBURGH Contract:

Lab Code: STLPIT Case No.: SAS No.: SDG No.: METHODS

Instrument ID: HP4 Calibration Date: 08/07/02 Time: 0710

Lab File ID: CC40807 Init. Calib. Date(s): 08/01/02 08/01/02

Heated Purge: (Y/N) Y Init. Calib. Times: 0728 1029

GC Column: DB 624 ID: 0.18 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D	
1,2,3-Trichloropropane	0.231	0.181	0.01	21.6	50.0	
1,2-Dibromo-3-chloropropane	0.121	0.118	0.01	2.5	50.0	
2,2-Dichloropropane	0.325	0.268	0.01	17.5	50.0	
1,1-Dichloropropene	0.338	0.295	0.01	12.7	50.0	
1,3-Dichloropropane	1.786	1.453	0.01	18.6	50.0	
n-Propylbenzene	0.887	0.815	0.01	8.1	50.0	
Bromobenzene	0.764	0.671	0.01	12.2	50.0	
1,3,5-Trimethylbenzene	2.540	2.192	0.01	13.7	50.0	
2-Chlorotoluene	0.736	0.650	0.01	11.7	50.0	
4-Chlorotoluene	0.740	0.662	0.01	10.5	50.0	
tert-Butylbenzene	2.199	1.930	0.01	12.2	50.0	
1,2,4-Trimethylbenzene	2.459	2.147	0.01	12.7	50.0	
sec-Butylbenzene	3.444	3.059	0.01	11.2	50.0	
4-Isopropyltoluene	2.767	2.477	0.01	10.5	50.0	
n-Butylbenzene	2.425	2.175	0.01	10.3	50.0	
1,2,4-Trichlorobenzene	0.733	0.805	0.01	9.8	50.0	
Hexachlorobutadiene	0.479	0.468	0.01	2.3	50.0	
Naphthalene	1.468	1.590	0.01	8.3	50.0	
1,2,3-Trichlorobenzene	0.692	0.751	0.01	8.5	50.0	
Acetone	0.419	0.135	0.01	67.8	50.0	<-
Carbon Disulfide	0.764	0.642	0.01	16.0	50.0	
2-Butanone	0.318	0.190	0.01	40.2	50.0	
4-Methyl-2-Pentanone	1.602	1.665	0.01	3.9	50.0	
2-Hexanone	1.613	1.230	0.01	23.7	50.0	
Methyl tert-butyl ether	0.626	0.551	0.01	12.0	50.0	
Isopropylbenzene	5.432	4.944	0.01	9.0	50.0	
1,2-Dichloroethene (total)	0.249	0.242	0.01	2.8	50.0	
Xylenes (total)	2.077	1.936	0.01	6.8	50.0	
Methyl acetate	0.288	0.182	0.01	36.8	50.0	
1,1,2-Trichlorotrifluoroetha	0.225	0.192	0.01	14.7	50.0	
Cyclohexane	0.590	0.520	0.01	11.9	50.0	
methyl cyclohexane	0.501	0.463	0.01	7.6	50.0	
Dibromofluoromethane	0.214	0.197	0.01	7.9	50.0	
1,2-Dichloroethane-d4	0.267	0.202	0.01	24.3	50.0	
Toluene-d8	4.500	4.277	0.01	5.0	50.0	
Bromofluorobenzene	1.643	1.515	0.01	7.8	50.0	

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL-PITTSBURGH Contract:

Lab Code: STLPIT Case No.: SAS No.: SDG No.: METHODS

Instrument ID: HP4 Calibration Date: 08/07/02 Time: 0820

Lab File ID: 2C40807 Init. Calib. Date(s): 02/08/02 02/08/02

Heated Purge: (Y/N) Y Init. Calib. Times: 0723 0959

GC Column: DB 624 ID: 0.18 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D	
Vinyl Acetate	0.546	0.484	0.01	11.4	50.0	
Acrolein	0.046	0.040	0.01	13.0	50.0	
Acrylonitrile	0.123	0.132	0.01	7.3	50.0	
2-Chloroethyl vinyl ether	0.114	0.114	0.01	0.0	50.0	
Iodomethane	0.064	0.091	0.01	42.2	50.0	
t-1,4-Dichloro-2-butene	0.287	0.285	0.01	0.7	50.0	
Acetonitrile	0.026	0.022	0.001	15.4	50.0	
2-Chloro-1,3-butadiene	0.490	0.368	0.01	24.9	50.0	
3-Chloro-1-propene	0.106	0.096	0.01	9.4	50.0	
1,4-Dioxane	0.003	0.005	0.001	66.7	50.0	<-
Isobutanol	0.014	0.017	0.001	21.4	50.0	
Ethyl methacrylate	1.335	1.683	0.01	26.1	50.0	
Methyl methacrylate	0.287	0.294	0.01	2.4	50.0	
Methacrylonitrile	0.209	0.199	0.01	4.8	50.0	
Propionitrile	0.050	0.054	0.01	8.0	50.0	

FORM VII VOA

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: C2H060115
MB Lot-Sample #: C2H070000-281

Analysis Date..: 08/07/02
Dilution Factor: 1

Work Order #...: E52HG1AA

Prep Date.....: 08/07/02
Prep Batch #...: 2219281
Initial Wgt/Vol: 5 g
Analyst ID.....: 016328

Matrix.....: SOLID

Analysis Time..: 08:58
Final Wgt/Vol..: 5 mL
Instrument ID..: HP4

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	20	ug/kg	SW846 8260B
Acetonitrile	ND	100	ug/kg	SW846 8260B
Acrolein	ND	100	ug/kg	SW846 8260B
Acrylonitrile	ND	100	ug/kg	SW846 8260B
Allyl chloride	ND	5.0	ug/kg	SW846 8260B
Benzene	ND	5.0	ug/kg	SW846 8260B
Bromodichloromethane	ND	5.0	ug/kg	SW846 8260B
Bromoform	ND	5.0	ug/kg	SW846 8260B
Bromomethane	ND	10	ug/kg	SW846 8260B
Carbon disulfide	ND	5.0	ug/kg	SW846 8260B
Carbon tetrachloride	ND	5.0	ug/kg	SW846 8260B
Chlorobenzene	ND	5.0	ug/kg	SW846 8260B
Chloroethane	ND	10	ug/kg	SW846 8260B
Chloroform	ND	5.0	ug/kg	SW846 8260B
Chloromethane	ND	10	ug/kg	SW846 8260B
Chloroprene	ND	5.0	ug/kg	SW846 8260B
Dibromochloromethane	ND	5.0	ug/kg	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	10	ug/kg	SW846 8260B
Dibromomethane	ND	5.0	ug/kg	SW846 8260B
trans-1,4-Dichloro-2-butene	ND	5.0	ug/kg	SW846 8260B
Dichlorodifluoromethane	ND	10	ug/kg	SW846 8260B
1,1-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
trans-1,2-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
cis-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
trans-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
Ethylbenzene	ND	5.0	ug/kg	SW846 8260B
Ethyl methacrylate	ND	5.0	ug/kg	SW846 8260B
2-Hexanone	ND	20	ug/kg	SW846 8260B
Iodomethane	ND	5.0	ug/kg	SW846 8260B
Isobutyl alcohol	ND	400	ug/kg	SW846 8260B
Methacrylonitrile	ND	5.0	ug/kg	SW846 8260B
Methylene chloride	ND	5.0	ug/kg	SW846 8260B
Methyl methacrylate	ND	5.0	ug/kg	SW846 8260B
Propionitrile	ND	10	ug/kg	SW846 8260B
Styrene	ND	5.0	ug/kg	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: C2H060115 Work Order #...: E52HG1AA Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	SW846 8260B
Tetrachloroethene	ND	5.0	ug/kg	SW846 8260B
Toluene	ND	5.0	ug/kg	SW846 8260B
1,1,1-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
1,1,2-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
Trichloroethene	ND	5.0	ug/kg	SW846 8260B
Trichlorofluoromethane	ND	10	ug/kg	SW846 8260B
1,2,3-Trichloropropane	ND	5.0	ug/kg	SW846 8260B
Vinyl acetate	ND	10	ug/kg	SW846 8260B
Vinyl chloride	ND	10	ug/kg	SW846 8260B
2-Butanone	ND	20	ug/kg	SW846 8260B
2-Chloroethyl vinyl ether	ND	10	ug/kg	SW846 8260B
1,2-Dibromoethane	ND	5.0	ug/kg	SW846 8260B
1,2-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,3-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,4-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloroethene (total)	ND	5.0	ug/kg	SW846 8260B
1,4-Dioxane	ND	1000	ug/kg	SW846 8260B
4-Methyl-2-pentanone	ND	20	ug/kg	SW846 8260B
Xylenes (total)	ND	15	ug/kg	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	79	(61 - 130)
Toluene-d8	98	(60 - 143)
4-Bromofluorobenzene	89	(47 - 158)
Dibromofluoromethane	94	(59 - 138)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: C2H060115
MB Lot-Sample #: C2H070000-281

Analysis Date..: 08/07/02
Dilution Factor: 1

Work Order #...: E52HG1AA

Prep Date.....: 08/07/02
Prep Batch #...: 2219281
Initial Wgt/Vol: 5 g
Analyst ID.....: 016328

Matrix.....: SOLID

Analysis Time..: 08:58
Final Wgt/Vol..: 5 mL
Instrument ID..: HP4

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	20	ug/kg	SW846 8260B
Acetonitrile	ND	100	ug/kg	SW846 8260B
Acrolein	ND	100	ug/kg	SW846 8260B
Acrylonitrile	ND	100	ug/kg	SW846 8260B
Allyl chloride	ND	5.0	ug/kg	SW846 8260B
Benzene	ND	5.0	ug/kg	SW846 8260B
Bromodichloromethane	ND	5.0	ug/kg	SW846 8260B
Bromoform	ND	5.0	ug/kg	SW846 8260B
Bromomethane	ND	10	ug/kg	SW846 8260B
Carbon disulfide	ND	5.0	ug/kg	SW846 8260B
Carbon tetrachloride	ND	5.0	ug/kg	SW846 8260B
Chlorobenzene	ND	5.0	ug/kg	SW846 8260B
Chloroethane	ND	10	ug/kg	SW846 8260B
Chloroform	ND	5.0	ug/kg	SW846 8260B
Chloromethane	ND	10	ug/kg	SW846 8260B
Chloroprene	ND	5.0	ug/kg	SW846 8260B
Dibromochloromethane	ND	5.0	ug/kg	SW846 8260B
1,2-Dibromo-3-chloro-propane	ND	10	ug/kg	SW846 8260B
Dibromomethane	ND	5.0	ug/kg	SW846 8260B
trans-1,4-Dichloro-2-butene	ND	5.0	ug/kg	SW846 8260B
Dichlorodifluoromethane	ND	10	ug/kg	SW846 8260B
1,1-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloroethane	ND	5.0	ug/kg	SW846 8260B
1,1-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
trans-1,2-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloropropane	ND	5.0	ug/kg	SW846 8260B
cis-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
trans-1,3-Dichloropropene	ND	5.0	ug/kg	SW846 8260B
Ethylbenzene	ND	5.0	ug/kg	SW846 8260B
Ethyl methacrylate	ND	5.0	ug/kg	SW846 8260B
2-Hexanone	ND	20	ug/kg	SW846 8260B
Iodomethane	ND	5.0	ug/kg	SW846 8260B
Isobutyl alcohol	ND	400	ug/kg	SW846 8260B
Methacrylonitrile	ND	5.0	ug/kg	SW846 8260B
Methylene chloride	ND	5.0	ug/kg	SW846 8260B
Methyl methacrylate	ND	5.0	ug/kg	SW846 8260B
Propionitrile	ND	10	ug/kg	SW846 8260B
Styrene	ND	5.0	ug/kg	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: C2H060115 **Work Order #...:** E52HG1AA **Matrix.....:** SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	5.0	ug/kg	SW846 8260B
Tetrachloroethene	ND	5.0	ug/kg	SW846 8260B
Toluene	ND	5.0	ug/kg	SW846 8260B
1,1,1-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
1,1,2-Trichloroethane	ND	5.0	ug/kg	SW846 8260B
Trichloroethene	ND	5.0	ug/kg	SW846 8260B
Trichlorofluoromethane	ND	10	ug/kg	SW846 8260B
1,2,3-Trichloropropane	ND	5.0	ug/kg	SW846 8260B
Vinyl acetate	ND	10	ug/kg	SW846 8260B
Vinyl chloride	ND	10	ug/kg	SW846 8260B
2-Butanone	ND	20	ug/kg	SW846 8260B
2-Chloroethyl vinyl ether	ND	10	ug/kg	SW846 8260B
1,2-Dibromoethane	ND	5.0	ug/kg	SW846 8260B
1,2-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,3-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
1,4-Dichlorobenzene	ND	5.0	ug/kg	SW846 8260B
cis-1,2-Dichloroethene	ND	5.0	ug/kg	SW846 8260B
1,2-Dichloroethene (total)	ND	5.0	ug/kg	SW846 8260B
1,4-Dioxane	ND	1000	ug/kg	SW846 8260B
4-Methyl-2-pentanone	ND	20	ug/kg	SW846 8260B
Xylenes (total)	ND	15	ug/kg	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
1,2-Dichloroethane-d4	79	(61 - 130)
Toluene-d8	98	(60 - 143)
4-Bromofluorobenzene	89	(47 - 158)
Dibromofluoromethane	94	(59 - 138)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

SW846 8260B CHECK SAMPLE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: TETRA TECH NUS INC

Lab Code: STLPIT SDG No:

Lot #: C2H070000 WO #: E52HG1AC
BATCH: 2219281

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENT. (ug/kg)	% REC	QC LIMITS REC	QUAL
1,1-Dichloroethene	50.0	43.6	87	55- 142	
Trichloroethene	50.0	49.4	99	70- 131	
Benzene	50.0	46.4	93	75- 129	
Toluene	50.0	44.7	89	71- 130	
Chlorobenzene	50.0	46.6	93	75- 127	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits

COMMENTS:

FORM III

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: TETRA TECH NUS INC

Lab Code: STLPIT SDG No:

Matrix Spike ID: LAB MS/MSD

Lot #: C2H080176 WO #: E54MC1E8
BATCH: 2225173

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENT. (ug/L)	MS CONCENT. (ug/L)	MS % REC	LIMITS REC	QUAL
1,1-Dichloroethene	10.0	ND	8.71	87	62- 130	
Trichloroethene	10.0	ND	8.35	84	62- 130	
Benzene	10.0	ND	10.0	100	76- 118	
Toluene	10.0	ND	9.39	94	70- 119	
Chlorobenzene	10.0	ND	8.71	87	76- 117	

NOTES(S):

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 5 outside limits

COMMENTS:

FORM III

SW846 8260B MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: TETRA TECH NUS INC

Lab Code: STLPIT SDG No:

Matrix Spike ID: LAB MS/MSD

Lot #: C2H080176 WO #: E54MC1E9
BATCH: 2225173

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENT. (ug/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	QUAL
1,1-Dichloroethene	10.0	8.30	83	4.8	20	62- 130	
Trichloroethene	10.0	7.81	78	6.7	20	62- 130	
Benzene	10.0	9.88	99	1.4	20	76- 118	
Toluene	10.0	8.87	89	5.7	20	70- 119	
Chlorobenzene	10.0	8.36	84	4.2	20	76- 117	

NOTES(S):

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 5 outside limits
Spike Recovery: 0 out of 5 outside limits

COMMENTS:

FORM III

8A
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL-PITTSBURGH Contract:

Lab Code: STLPIT Case No.: SAS No.: SDG No.: C2H060115

Lab File ID (Standard): CC40807 Date Analyzed: 08/07/02

Instrument ID: HP4 Time Analyzed: 0710

GC Column: DB 624 ID: 0.18 (mm) Heated Purge: (Y/N) Y

		IS1(CBZ) AREA #	RT #	IS2(DCB) AREA #	RT #	IS3 AREA #	RT #
	12 HOUR STD	150031	10.11	272265	12.45	671856	6.98
	UPPER LIMIT	300062	10.31	544530	12.65	1343712	7.18
	LOWER LIMIT	75016	9.91	136133	12.25	335928	6.78
	EPA SAMPLE NO.						
01	INTRA-LAB BL	147925	10.11	241013	12.45	694608	7.00
02	INTRA-LAB CH	151964	10.11	281429	12.45	687220	6.99
03	MPT-1602-SS0	120313	10.12	204817	12.45	501758	7.00
04	MPT-1602-SB0	118580	10.11	203075	12.45	494501	7.00
05	MPT-1602-SS0	124097	10.11	204509	12.45	506416	7.00
06	MPT-1602-SB0	119492	10.12	199221	12.45	493359	7.00
07	MPT-1602-SS0	117956	10.11	195887	12.45	481039	7.00
08	MPT-1602-SB0	113325	10.11	193408	12.45	467566	7.00
09	MPT-1602-SS0	118869	10.12	198168	12.45	485280	7.00
10	MPT-1602-SB0	116829	10.12	197128	12.45	476353	6.99
11	MPT-1602-SBD	115387	10.11	190006	12.45	477427	7.00
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS1 (CBZ) = Chlorobenzene-d5
IS2 (DCB) = 1,4-Dichlorobenzene-d4
IS3 = Fluorobenzene

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.20 minutes of internal standard RT
RT LOWER LIMIT = - 0.20 minutes of internal standard RT

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

page 1 of 1

FORM VIII VOA OLM03.0

TETRA TECH NUS, INC. **CALCULATION WORKSHEET** PAGE _____ OF _____

CLIENT Mayport CTO- 267/190	JOB NUMBER Job-2868 SDG-60115
SUBJECT Sample Calculation	
BASED ON	DRAWING NUMBER
BY Bernard F Spada III / CHECKED BY	APPROVED BY / DATE 27-Sep-02

Sample MPT-1602-SB01-05 Acetone = 7.5 ug/kg

$$\text{Acetone} = \frac{(41280)(250\,ng)(0.67)}{(499501)(0.419)(5g)(0.89)} = 7.499\,ng/g = ug/kg$$

TETRA TECH NUS INC

Client Sample ID: MPT-1602-SB01-05

GC/MS Volatiles

Lot-Sample #...:	C2H060115-002	Work Order #...:	E5X8N1AC	Matrix.....:	SOLID
Date Sampled...:	08/05/02 10:30	Date Received..:	08/06/02 10:00	MS Run #.....:	2219045
Prep Date.....:	08/07/02	Analysis Date..:	08/07/02		
Prep Batch #...:	2219281	Analysis Time..:	13:19		
Dilution Factor:	0.67	Initial Wgt/Vol:	7.42 g	Final Wgt/Vol..:	5 mL
% Moisture.....:	11	Analyst ID.....:	016328	Instrument ID..:	HP4
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	7.5 J	15	ug/kg	3.8
Acetonitrile	ND	75	ug/kg	19
Acrolein	ND	75	ug/kg	10
Acrylonitrile	ND	75	ug/kg	11
Allyl chloride	ND	3.8	ug/kg	0.60
Benzene	ND	3.8	ug/kg	1.1
Bromodichloromethane	ND	3.8	ug/kg	0.98
Bromoform	ND	3.8	ug/kg	0.90
Bromomethane	ND	7.5	ug/kg	3.2
Carbon disulfide	ND	3.8	ug/kg	1.3
Carbon tetrachloride	ND	3.8	ug/kg	1.9
Chlorobenzene	ND	3.8	ug/kg	0.93
Chloroethane	ND	7.5	ug/kg	1.5
Chloroform	ND	3.8	ug/kg	0.99
Chloromethane	ND	7.5	ug/kg	0.98
Chloroprene	ND	3.8	ug/kg	0.42
Dibromochloromethane	ND	3.8	ug/kg	1.0
1,2-Dibromo-3-chloro-propane	ND	7.5	ug/kg	0.67
Dibromomethane	ND	3.8	ug/kg	1.0
trans-1,4-Dichloro-2-butene	ND	3.8	ug/kg	0.75
Dichlorodifluoromethane	ND	7.5	ug/kg	1.6
1,1-Dichloroethane	ND	3.8	ug/kg	1.1
1,2-Dichloroethane	ND	3.8	ug/kg	1.1
1,1-Dichloroethene	ND	3.8	ug/kg	1.4
trans-1,2-Dichloroethene	ND	3.8	ug/kg	1.4
1,2-Dichloropropane	ND	3.8	ug/kg	0.99
cis-1,3-Dichloropropene	ND	3.8	ug/kg	0.89
trans-1,3-Dichloropropene	ND	3.8	ug/kg	0.86
Ethylbenzene	ND	3.8	ug/kg	1.0
Ethyl methacrylate	ND	3.8	ug/kg	0.38
2-Hexanone	ND	15	ug/kg	0.63
Iodomethane	ND	3.8	ug/kg	0.99
Isobutyl alcohol	ND	300	ug/kg	99
Methacrylonitrile	ND	3.8	ug/kg	0.62
Methylene chloride	ND	3.8	ug/kg	1.3

(Continued on next page)

STL Pittsburgh

VOLATILE REPORT SW-846 Method

Data file : \\QPITPA02\d\chem\hp4.i\40807d.b\4080710.D
Lab Smp Id: E5X8N1AC Client Smp ID: MPT-1602-SS01-05
Inj Date : 07-AUG-2002 13:19
Operator : 16328 Inst ID: hp4.i
Smp Info : c2h060115-002 7.42g/5ml
Misc Info : e5x8n1ac,40807d.b,8260bsoil.m,
Comment :
Method : \\QPITPA02\D\chem\hp4.i\40807d.b\8260bsoil.m
Meth Date : 07-Aug-2002 08:44 dudeckk Quant Type: ISTD
Cal Date : 01-AUG-2002 07:58 Cal File: 1C40801.D
Als bottle: 14
Dil Factor: 0.67000
Integrator: HP RTE Compound Sublist: 2-appixa.sub
Target Version: 4.04
Processing Host: PITPC006

Concentration Formula: Amt * DF * Vt/Ws*1/Vi

Name	Value	Description
DF	0.670	Dilution Factor
Vt	5.000	Final Volume
Ws	5.000	Sample Weight
Vi	5.000	Injection Volume

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/Kg)
* 46 Fluorobenzene	96	6.997	6.984	(1.000)	494501	250.000	
* 69 Chlorobenzene-d5	119	10.112	10.111	(1.000)	118580	250.000	
* 92 1,4-Dichlorobenzene-d4	152	12.454	12.447	(1.000)	203075	250.000	
$ 39 Dibromofluoromethane	113	6.279	6.272	(0.897)	104190	246.827	49.36
$ 43 1,2-Dichloroethane-d4	65	6.681	6.674	(0.955)	105856	200.626	40.12
$ 59 Toluene-d8	98	8.640	8.639	(0.854)	476574	223.280	44.66
$ 80 Bromofluorobenzene	95	11.298	11.297	(1.117)	175774	225.565	45.11
1 Dichlorodifluoromethane	85	Compound Not Detected.					
2 Chloromethane	50	Compound Not Detected.					
3 Vinyl Chloride	62	Compound Not Detected.					
4 Bromomethane	94	Compound Not Detected.					
5 Chloroethane	64	Compound Not Detected.					
6 Trichlorofluoromethane	101	Compound Not Detected.					
11 Acrolein	56	Compound Not Detected.					
12 1,1-Dichloroethene	96	Compound Not Detected.					

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/Kg)
	156 1,1,2-Trichlorotrifluoroethane	101	Compound Not Detected.					
	15 Carbon Disulfide	76	Compound Not Detected.					
	13 Acetone	43	3.268	3.309	(0.467)	41280	49.7484	6.666
	14 Iodomethane	142	Compound Not Detected.					
	16 3-Chloro-1-propene	76	Compound Not Detected.					
	17 Acetonitrile	40	Compound Not Detected.					
	18 Methylene Chloride	84	Compound Not Detected.					
	19 trans-1,2-Dichloroethene	96	Compound Not Detected.					
	20 Methyl tert-butyl ether	73	Compound Not Detected.					
	22 Acrylonitrile	53	Compound Not Detected.					
	26 2-Chloro-1,3-butadiene	53	Compound Not Detected.					
	27 2,2-Dichloropropane	77	Compound Not Detected.					
	24 1,1-Dichloroethane	63	Compound Not Detected.					
	28 cis-1,2-dichloroethene	96	Compound Not Detected.					
M	29 1,2-Dichloroethene (total)	96	Compound Not Detected.					
	30 Bromochloromethane	128	Compound Not Detected.					
	31 2-Butanone	43	5.781	5.785	(0.826)	5660	8.99906	1.206
	32 Vinyl Acetate	43	Compound Not Detected.					
	34 Propionitrile	54	Compound Not Detected.					
	36 Methacrylonitrile	41	Compound Not Detected.					
	37 Chloroform	83	Compound Not Detected.					
	38 1,1,1-Trichloroethane	97	Compound Not Detected.					
	40 1,1-Dichloropropene	75	Compound Not Detected.					
	41 Carbon Tetrachloride	117	Compound Not Detected.					
	42 Benzene	78	Compound Not Detected.					
	44 Isobutanol	41	Compound Not Detected.					
	45 1,2-Dichloroethane	62	Compound Not Detected.					
	47 Trichloroethene	130	Compound Not Detected.					
	49 1,2-Dichloropropane	63	Compound Not Detected.					
	50 Dibromomethane	93	Compound Not Detected.					
	51 Methyl methacrylate	41	Compound Not Detected.					
	52 1,4-Dioxane	88	Compound Not Detected.					
	53 Bromodichloromethane	83	Compound Not Detected.					
	56 2-Chloroethyl vinyl ether	63	Compound Not Detected.					
	57 cis-1,3-Dichloropropene	75	Compound Not Detected.					
	58 4-Methyl-2-Pentanone	43	Compound Not Detected.					
	60 Toluene	91	Compound Not Detected.					
	61 trans-1,3-Dichloropropene	75	Compound Not Detected.					
	62 Ethyl methacrylate	69	Compound Not Detected.					
	63 1,3-Dichloropropane	76	Compound Not Detected.					
	64 1,1,2-Trichloroethane	97	Compound Not Detected.					
	65 Tetrachloroethene	164	Compound Not Detected.					
	66 2-Hexanone	43	Compound Not Detected.					
	67 Dibromochloromethane	129	Compound Not Detected.					
	68 1,2-Dibromoethane	107	Compound Not Detected.					
	70 Chlorobenzene	112	Compound Not Detected.					
	71 1,1,1,2-Tetrachloroethane	131	Compound Not Detected.					

FORM 7
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL-PITTSBURGH Contract:

Lab Code: STLPIT Case No.: SAS No.: SDG No.: METHODS

Instrument ID: HP4 Calibration Date: 08/07/02 Time: 0710

Lab File ID: CC40807 Init. Calib. Date(s): 08/01/02 08/01/02

Heated Purge: (Y/N) Y Init. Calib. Times: 0728 1029

GC Column: DB 624 ID: 0.18 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D	
1,2,3-Trichloropropane	0.231	0.181	0.01	21.6	50.0	
1,2-Dibromo-3-chloropropane	0.121	0.118	0.01	2.5	50.0	
2,2-Dichloropropane	0.325	0.268	0.01	17.5	50.0	
1,1-Dichloropropene	0.338	0.295	0.01	12.7	50.0	
1,3-Dichloropropane	1.786	1.453	0.01	18.6	50.0	
n-Propylbenzene	0.887	0.815	0.01	8.1	50.0	
Bromobenzene	0.764	0.671	0.01	12.2	50.0	
1,3,5-Trimethylbenzene	2.540	2.192	0.01	13.7	50.0	
2-Chlorotoluene	0.736	0.650	0.01	11.7	50.0	
4-Chlorotoluene	0.740	0.662	0.01	10.5	50.0	
tert-Butylbenzene	2.199	1.930	0.01	12.2	50.0	
1,2,4-Trimethylbenzene	2.459	2.147	0.01	12.7	50.0	
sec-Butylbenzene	3.444	3.059	0.01	11.2	50.0	
4-Isopropyltoluene	2.767	2.477	0.01	10.5	50.0	
n-Butylbenzene	2.425	2.175	0.01	10.3	50.0	
1,2,4-Trichlorobenzene	0.733	0.805	0.01	9.8	50.0	
Hexachlorobutadiene	0.479	0.468	0.01	2.3	50.0	
Naphthalene	1.468	1.590	0.01	8.3	50.0	
1,2,3-Trichlorobenzene	0.692	0.751	0.01	8.5	50.0	
Acetone	0.419	0.135	0.01	67.8	50.0	<-
Carbon Disulfide	0.764	0.642	0.01	16.0	50.0	
2-Butanone	0.318	0.190	0.01	40.2	50.0	
4-Methyl-2-Pentanone	1.602	1.665	0.01	3.9	50.0	
2-Hexanone	1.613	1.230	0.01	23.7	50.0	
Methyl tert-butyl ether	0.626	0.551	0.01	12.0	50.0	
Isopropylbenzene	5.432	4.944	0.01	9.0	50.0	
1,2-Dichloroethene (total)	0.249	0.242	0.01	2.8	50.0	
Xylenes (total)	2.077	1.936	0.01	6.8	50.0	
Methyl acetate	0.288	0.182	0.01	36.8	50.0	
1,1,2-Trichlorotrifluoroetha	0.225	0.192	0.01	14.7	50.0	
Cyclohexane	0.590	0.520	0.01	11.9	50.0	
methyl cyclohexane	0.501	0.463	0.01	7.6	50.0	
Dibromofluoromethane	0.214	0.197	0.01	7.9	50.0	
1,2-Dichloroethane-d4	0.267	0.202	0.01	24.3	50.0	
Toluene-d8	4.500	4.277	0.01	5.0	50.0	
Bromofluorobenzene	1.643	1.515	0.01	7.8	50.0	

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: STL PITTSBURGH Contract:

Lab Code: STL PIT Case No.: SAS No.: SDG No.: -

Lab File ID: D0607DFT DFTPP Injection Date: 06/07/02

Instrument ID: 721 DFTPP Injection Time: 1019

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	46.8
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	57.9
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	45.7
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	7.4
275	10.0 - 30.0% of mass 198	23.0
365	Greater than 1.0% of mass 198	2.74
441	Present, but less than mass 443	13.6
442	Greater than 40.0% of mass 198	85.7
443	17.0 - 23.0% of mass 442	16.1 (18.7)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD020APIX	SSTD020	D0607AP1	06/07/02	1105
02	SSTD050APIX	SSTD050	D0607AP2	06/07/02	1133
03	SSTD080APIX	SSTD080	D0607AP3	06/07/02	1201
04	SSTD120APIX	SSTD120	D0607AP4	06/07/02	1229
05	SSTD160APIX	SSTD160	D0607AP5	06/07/02	1258
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

FORM V SV

6B
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL PITTSBURGH Contract:

Lab Code: STL PIT Case No.: SAS No.: SDG No.: -

Instrument ID: 721 Calibration Date(s): 06/07/02

Min $\overline{RRF}$ for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF1 =D0607AP1.D RRF2 =D0607AP2.D
RRF3 =D0607AP3.D RRF4 =D0607AP4.D RRF5 =D0607AP5.D

COMPOUND	RRF1	RRF2	RRF3	RRF4	RRF5	$\overline{RRF}$	% RSD	
m-Dinitrobenzene	0.235	0.236	0.248	0.239	0.234	0.238	2.5	
N-Nitrosomorpholine	0.280	0.255	0.256	0.237	0.229	0.251	7.9	
Ethyl methanesulfonate	1.193	1.148	1.204	1.149	1.133	1.165	2.7	
2-Picoline	1.213	1.237	1.255	1.207	1.200	1.222	1.9	
N-Nitrosomethylethylamine	0.610	0.612	0.650	0.621	0.614	0.621	2.7	
N-Nitrosodiethylamine	0.607	0.593	0.612	0.586	0.581	0.596	2.2	
Pentachloroethane	0.460	0.458	0.468	0.452	0.438	0.455	2.5	
N-Nitrosopyrrolidine	0.606	0.589	0.587	0.557	0.533	0.574	5.1	
o-Toluidine	1.906	1.854	1.838	1.745	1.668	1.802	5.3	
N-Nitrosopiperidine	0.165	0.160	0.162	0.157	0.157	0.160	2.1	
O,O,O-Triethyl phosphorothi	0.161	0.158	0.156	0.148	0.145	0.154	4.3	
a,a-Dimethyl-phenethylamine	1.048	1.038	1.012	1.014	0.983	1.019	2.5	
2,6-Dichlorophenol	0.289	0.278	0.281	0.269	0.263	0.276	3.7	
Hexachloropropene	0.174	0.179	0.181	0.178	0.177	0.178	1.5	
N-Nitrosodi-n-butylamine	0.252	0.242	0.236	0.228	0.222	0.236	5.0	
p-Phenylene diamine	0.421	0.400	0.381	0.365	0.340	0.381	8.2	
Safrole	0.261	0.257	0.256	0.245	0.243	0.252	3.1	
1,2,4,5-Tetrachlorobenzene	0.473	0.468	0.478	0.449	0.436	0.461	3.8	
Isosafrole 1	0.466	0.461	0.474	0.438	0.432	0.454	4.0	
Isosafrole, Total								<-
1,4-Naphthoquinone	0.461	0.427	0.388	0.320	0.280	0.375	19.9	
Pentachlorobenzene	0.474	0.470	0.476	0.451	0.436	0.461	3.8	
1-Naphthylamine	1.171	1.099	1.115	1.051	1.016	1.090	5.5	
2-Naphthylamine	1.129	1.013	1.061	0.968	0.942	1.023	7.3	
5-Nitro-o-toluidine	0.407	0.398	0.419	0.395	0.392	0.402	2.7	
Diallate 1	0.686	0.638	0.615	0.587	0.557	0.617	8.0	
Diallate, Total	0.399	0.371	0.360	0.345	0.329	0.361	7.3	
Diallate 2	0.111	0.104	0.105	0.103	0.101	0.105	3.8	
Phorate	0.148	0.138	0.136	0.131	0.128	0.136	5.6	
1,3,5-Trinitrobenzene	0.073	0.084	0.090	0.088	0.089	0.085	8.6	
Phenacetin	0.390	0.374	0.375	0.362	0.365	0.373	2.9	
Dimethoate	0.340	0.295	0.256	0.228	0.201	0.264	20.8	
Pentachloronitrobenzene	0.089	0.086	0.089	0.087	0.088	0.088	1.4	
4-Aminobiphenyl	0.763	0.764	0.774	0.734	0.735	0.754	2.4	
Pronamide	0.349	0.334	0.332	0.320	0.313	0.330	4.2	
Dinoseb	0.164	0.184	0.202	0.202	0.203	0.191	8.9	
Disulfoton	0.419	0.404	0.395	0.379	0.366	0.393	5.2	

FORM VI SV-1 1/87 Rev.

6C
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL PITTSBURGH Contract:

Lab Code: STL PIT Case No.: SAS No.: SDG No.: -

Instrument ID: 721 Calibration Date(s): 06/07/02

Min $\overline{RRF}$ for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF1 =D0607AP1.D RRF2 =D0607AP2.D
RRF3 =D0607AP3.D RRF4 =D0607AP4.D RRF5 =D0607AP5.D

COMPOUND	RRF1	RRF2	RRF3	RRF4	RRF5	$\overline{RRF}$	% RSD
4-Nitroquinoline 1-oxide	0.092	0.105	0.107	0.098	0.092	0.099	7.1
Methapyrilene	0.486	0.392	0.330	0.278	0.252	0.348	27.1
Aramite 1	0.135	0.142	0.139	0.129	0.125	0.134	5.2
Aramite, Total	0.168	0.176	0.170	0.158	0.152	0.165	5.9
Aramite 2	0.202	0.210	0.202	0.186	0.179	0.196	6.5
p-Dimethylamino azobenzene	0.225	0.223	0.229	0.216	0.211	0.221	3.2
p-Chlorobenzilate	0.450	0.435	0.424	0.401	0.387	0.419	6.1
3,3'-Dimethylbenzidine	0.627	0.607	0.596	0.550	0.530	0.582	7.0
2-Acetylaminofluorene	0.479	0.491	0.506	0.490	0.484	0.490	2.1
4,4'-Methylene bis(o-chloro	0.218	0.204	0.199	0.191	0.185	0.199	6.5
3-Methylcholanthrene	0.546	0.533	0.541	0.512	0.514	0.529	3.0
1,4-Dioxane	0.485	0.471	0.484	0.468	0.461	0.474	2.1
Thionazin	0.198	0.189	0.186	0.174	0.174	0.184	5.7
Sulfotepp	0.151	0.140	0.139	0.130	0.126	0.137	7.1
Isodrin	0.120	0.117	0.114	0.108	0.106	0.113	5.1
Parathion	0.181	0.170	0.162	0.150	0.144	0.161	9.3
Methyl parathion	0.268	0.247	0.221	0.201	0.182	0.224	15.6

FORM VI SV-2 1/87 Rev.

SW846 8270C SURROGATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: TETRA TECH NUS INC

Lab Code: STLPIT SDG No:

Lot #: C2H060115

Extraction: XXA13QL01

	CLIENT ID.	SRG01	SRG02	SRG03	SRG04	SRG05	SRG06	TOT OUT
01	MPT-1602-SS01-01	82	89	68	73	66	66	00
02	MPT-1602-SB01-05	82	82	59	68	58	62	00
03	MPT-1602-SS04-01	82	90	64	76	63	63	00
04	MPT-1602-SB04-05	83	90	66	75	63	62	00
05	MPT-1602-SS02-01	83	96	67	80	65	63	00
06	MPT-1602-SB02-05	80	87	64	74	63	64	00
07	MPT-1602-SS03-01	84	95	67	78	66	68	00
08	MPT-1602-SB03-05	82	92	67	79	65	65	00
09	MPT-1602-SBDUP01-05	84	91	62	74	63	70	00
10	METHOD BLK. E517H1AA	73	82	60	75	63	80	00
11	LCS E517H1AC	79	83	62	74	67	80	00
12	MPT-1602-SS01-01 D	97	101	70	81	71	67	00
13	MPT-1602-SS01-01 S	94	97	66	77	68	67	00

SURROGATES		QC LIMITS
SRG01	= 2,4,6-Tribromophenol	(35-116)
SRG02	= 2-Fluorobiphenyl	(43-110)
SRG03	= 2-Fluorophenol	(11-116)
SRG04	= Nitrobenzene-d5	(42-110)
SRG05	= Phenol-d5	(25-115)
SRG06	= Terphenyl-d14	(37-137)

\# Column to be used to flag recovery values
* Values outside of required QC Limits
D System monitoring Compound diluted out

FORM II

5B
SEMIVOLATILE ORGANIC GC/MS TUNING AND MASS
CALIBRATION - DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: STL-PITTSBURGH Contract:

Lab Code: STLPIT Case No.: SAS No.: SDG No.: _

Lab File ID: D0718DFT DFTPP Injection Date: 07/18/02

Instrument ID: 721 DFTPP Injection Time: 1204

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	43.9
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	58.6
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	46.7
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 - 9.0% of mass 198	7.3
275	10.0 - 30.0% of mass 198	23.6
365	Greater than 1.0% of mass 198	3.5
441	Present, but less than mass 443	13.3
442	Greater than 40.0% of mass 198	82.8
443	17.0 - 23.0% of mass 442	15.8 (19.1)2

1-Value is % of mass 69 2-Value is % of mass 442

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD020	SSTD020	D0718C1A	07/18/02	1506
02	SSTD050	SSTD050	D0718C2A	07/18/02	1534
03	SSTD080	SSTD080	D0718C3A	07/18/02	1601
04	SSTD120	SSTD120	D0718C4A	07/18/02	1628
05	SSTD160	SSTD160	D0718C5A	07/18/02	1656
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FORM V SV 1/87 Rev.

6B
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL-PITTSBURGH Contract:

Lab Code: STLPIT Case No.: SAS No.: SDG No.: _

Instrument ID: 721 Calibration Date(s): 07/18/02

Min $\overline{RRF}$ for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF1 =D0718C1A.D RRF2 =D0718C2A.D
RRF3 =D0718C3A.D RRF4 =D0718C4A.D RRF5 =D0718C5A.D

COMPOUND	RRF1	RRF2	RRF3	RRF4	RRF5	$\overline{RRF}$	% RSD
Famphur	0.543	0.520	0.513	0.519	0.513	0.522	2.4
6-Methylchrysene	0.792	0.804	0.792	0.820	0.803	0.802	1.4
Benzenethiol	0.490	0.525	0.736	0.903	0.985	0.728	30.3
Kepone	0.151	0.165	0.168	0.177	0.182	0.169	7.2
Dibenzo(a,h) acridine	1.109	1.111	1.173	1.272	1.242	1.181	6.3

FORM VI SV-1 1/87 Rev.

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: STL PITTSBURGH Contract:

Lab Code: STL PIT Case No.: SAS No.: SDG No.: _

Lab File ID: D0718DFT DFTPP Injection Date: 07/18/02

Instrument ID: 721 DFTPP Injection Time: 1204

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	43.9
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	58.6
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	46.7
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	7.3
275	10.0 - 30.0% of mass 198	23.6
365	Greater than 1.0% of mass 198	3.53
441	Present, but less than mass 443	13.3
442	Greater than 40.0% of mass 198	82.8
443	17.0 - 23.0% of mass 442	15.8 (19.1)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD050	SSTD050	D0718CC1	07/18/02	1222
02	SSTD020	SSTD020	D0718CC2	07/18/02	1250
03	SSTD080	SSTD080	D0718CC3	07/18/02	1317
04	SSTD120	SSTD120	D0718CC4	07/18/02	1345
05	SSTD160	SSTD160	D0718CC5	07/18/02	1412
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6B

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL PITTSBURGH Contract:

Lab Code: STL PIT Case No.: SAS No.: SDG No.: _

Instrument ID: 721 Calibration Date(s): 07/18/02

Min $\overline{RRF}$ for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF1 =D0718CC2.D RRF2 =D0718CC1.D
RRF3 =D0718CC3.D RRF4 =D0718CC4.D RRF5 =D0718CC5.D

COMPOUND		RRF1	RRF2	RRF3	RRF4	RRF5	$\overline{RRF}$	% RSD
Phenol	*	1.687	1.566	1.645	1.664	1.655	1.643	2.8*
bis(2-Chloroethyl)ether		1.326	1.270	1.290	1.272	1.310	1.294	1.9
2-Chlorophenol		1.399	1.352	1.375	1.375	1.402	1.381	1.5
1,3-Dichlorobenzene		1.585	1.520	1.535	1.490	1.537	1.533	2.2
1,4-Dichlorobenzene	*	1.635	1.531	1.564	1.564	1.510	1.561	3.0*
1,2-Dichlorobenzene		1.541	1.470	1.492	1.437	1.453	1.479	2.7
2-Methylphenol		1.412	1.242	1.261	1.260	1.250	1.285	5.6
2,2'-oxybis(1-Chloropropane		1.575	1.523	1.523	1.522	1.546	1.538	1.5
4-Methylphenol		1.281	1.178	1.224	1.231	1.204	1.224	3.1
Hexachloroethane		0.641	0.619	0.620	0.590	0.580	0.610	4.1
Nitrobenzene		0.451	0.419	0.442	0.426	0.428	0.433	3.0
Isophorone		0.694	0.775	0.673	0.663	0.671	0.695	6.6
2-Nitrophenol	*	0.236	0.221	0.233	0.226	0.229	0.229	2.5*
2,4-Dimethylphenol		0.362	0.369	0.372	0.362	0.370	0.367	1.3
bis(2-Chloroethoxy)methane		0.399	0.386	0.392	0.392	0.390	0.392	1.3
2,4-Dichlorophenol	*	0.314	0.310	0.325	0.319	0.319	0.317	1.8*
N-Nitroso-di-n-propylamine	#	1.146	1.060	1.090	1.042	1.010	1.070	4.8#
1,2,4-Trichlorobenzene		0.329	0.314	0.328	0.320	0.329	0.324	2.1
Naphthalene		1.085	1.015	1.057	1.040	1.026	1.045	2.6
4-Chloroaniline		0.392	0.428	0.381	0.379	0.367	0.389	5.9
Hexachlorobutadiene	*	0.216	0.204	0.217	0.211	0.214	0.212	2.6*
4-Chloro-3-Methylphenol		0.349	0.328	0.349	0.333	0.333	0.338	2.9
2-Methylnaphthalene		0.680	0.644	0.680	0.669	0.668	0.668	2.2
Hexachlorocyclopentadiene	#	0.287	0.352	0.290	0.320	0.322	0.314	8.5#
2,4,6-Trichlorophenol	*	0.406	0.382	0.391	0.385	0.400	0.393	2.6*
2,4,5-Trichlorophenol		0.430	0.442	0.438	0.449	0.457	0.443	2.3
2-Chloronaphthalene		1.241	1.145	1.188	1.171	1.202	1.189	3.0
2-Nitroaniline		0.482	0.451	0.453	0.442	0.447	0.455	3.5
Dimethylphthalate		1.562	1.441	1.472	1.452	1.455	1.476	3.3
Acenaphthylene		1.898	1.901	1.805	1.782	1.796	1.836	3.2
2,6-Dinitrotoluene		0.362	0.350	0.361	0.365	0.364	0.360	1.7
3-Nitroaniline		0.402	0.389	0.386	0.380	0.384	0.388	2.2
Acenaphthene	*	1.240	1.189	1.196	1.182	1.193	1.200	1.9*
2,4-Dinitrophenol	#	0.076	0.131	0.180	0.198	0.214	0.160	35.0#
4-Nitrophenol	#	0.272	0.274	0.277	0.277	0.277	0.275	0.8#
Dibenzofuran		1.727	1.616	1.651	1.616	1.630	1.648	2.8
2,4-Dinitrotoluene		0.491	0.472	0.484	0.477	0.486	0.482	1.6

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL PITTSBURGH Contract:

Lab Code: STL PIT Case No.: SAS No.: SDG No.: _

Instrument ID: 721 Calibration Date(s): 07/18/02

Min $\overline{RRF}$ for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF1 =D0718CC2.D RRF2 =D0718CC1.D
RRF3 =D0718CC3.D RRF4 =D0718CC4.D RRF5 =D0718CC5.D

COMPOUND	RRF1	RRF2	RRF3	RRF4	RRF5	$\overline{RRF}$	% RSD
Diethylphthalate	1.700	1.582	1.609	1.560	1.558	1.602	3.7
4-Chlorophenyl-phenylether	0.694	0.654	0.653	0.652	0.665	0.664	2.7
Fluorene	1.402	1.338	1.331	1.314	1.336	1.344	2.5
4-Nitroaniline	0.392	0.370	0.387	0.385	0.387	0.384	2.1
4,6-Dinitro-2-methylphenol	0.127	0.144	0.169	0.175	0.183	0.160	14.7
N-Nitrosodiphenylamine (1) *	0.553	0.569	0.559	0.569	0.578	0.566	1.7*
4-Bromophenyl-phenylether	0.248	0.244	0.253	0.254	0.260	0.252	2.4
Hexachlorobenzene	0.278	0.279	0.287	0.282	0.287	0.283	1.5
Pentachlorophenol *	0.071	0.097	0.123	0.137	0.141	0.114	26.0*
Phenanthrene	1.084	1.052	1.061	1.064	1.070	1.066	1.1
Anthracene	1.125	1.117	1.072	1.078	1.085	1.095	2.2
Carbazole	1.054	1.029	1.043	1.048	1.059	1.047	1.1
Di-n-Butylphthalate	1.613	1.572	1.578	1.570	1.559	1.578	1.3
Fluoranthene *	1.228	1.183	1.184	1.190	1.191	1.195	1.5*
Pyrene	1.220	1.139	1.176	1.144	1.170	1.170	2.8
Butylbenzylphthalate	0.709	0.691	0.695	0.687	0.702	0.697	1.2
3,3'-Dichlorobenzidine	0.475	0.552	0.497	0.499	0.498	0.504	5.6
Benzo(a)Anthracene	1.169	1.152	1.151	1.139	1.158	1.154	1.0
Chrysene	1.100	1.050	1.062	1.049	1.081	1.068	2.1
bis(2-ethylhexyl)Phthalate	0.961	0.953	0.976	0.973	0.990	0.971	1.5
Di-n-octylphthalate *	1.799	1.785	1.840	1.788	1.811	1.805	1.2*
Benzo(b)fluoranthene	1.235	1.256	1.500	1.535	1.638	1.433	12.5
Benzo(k)fluoranthene	1.313	1.278	1.112	1.033	0.946	1.136	13.9
Benzo(a)pyrene *	1.098	1.133	1.134	1.124	1.124	1.123	1.3*
Indeno(1,2,3-cd)pyrene	1.029	1.044	1.124	1.226	1.304	1.145	10.3
Dibenz(a,h)anthracene	1.072	1.051	1.088	1.120	1.162	1.099	4.0
Benzo(g,h,i)perylene	1.073	1.051	1.096	1.134	1.197	1.110	5.2
Pyridine	1.124	1.311	1.132	1.110	1.150	1.165	7.1
N-Nitrosodimethylamine	0.665	0.661	0.676	0.687	0.697	0.677	2.2
Aniline	1.701	1.816	1.551	1.568	1.536	1.634	7.4
Benzyl Alcohol	0.679	0.870	0.736	0.782	0.788	0.771	9.1
Benzoic Acid	0.141	0.143	0.165	0.174	0.190	0.163	12.7
1-Methylnaphthalene	0.667	0.658	0.650	0.631	0.628	0.647	2.6
2,3,4,6-Tetrachlorophenol	0.363	0.392	0.367	0.376	0.384	0.376	3.2
2,3,5,6-Tetrachlorophenol	0.314	0.338	0.342	0.336	0.344	0.335	3.6

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL PITTSBURGH Contract:

Lab Code: STL PIT Case No.: SAS No.: SDG No.: _

Instrument ID: 721 Calibration Date(s): 07/18/02

Min $\overline{RRF}$ for SPCC(#) = 0.050 Max %RSD for CCC(*) = 30.0%

LAB FILE ID: RRF1 =D0718CC2.D RRF2 =D0718CC1.D
RRF3 =D0718CC3.D RRF4 =D0718CC4.D RRF5 =D0718CC5.D

COMPOUND	RRF1	RRF2	RRF3	RRF4	RRF5	$\overline{RRF}$	% RSD	
1,2-Diphenylhydrazine	0.921	0.915	1.034	1.033	1.038	0.988	6.5	
Benzidine	0.339	0.412	0.270	0.280	0.278	0.316	19.2	
Methyl methanesulfonate	1.149	1.167	1.062	0.989	0.962	1.066	8.6	
Acetophenone	1.700	1.695	1.712	1.734	1.700	1.708	0.9	
2-Naphthylamine	0.636	0.870	0.377	0.340	0.336	0.512	46.1	
7,12-dimethylbenz[a]anthrac	0.564	0.601	0.580	0.574	0.578	0.579	2.3	
Benzaldehyde	1.063	0.665	0.719	0.552	0.392	0.678	36.7	
Caprolactam	0.122	0.134	0.102	0.113	0.098	0.114	13.1	
1,1'-Biphenyl	1.578	1.797	1.598	1.577	1.590	1.628	5.8	
Atrazine	0.106	0.031	0.043	0.041	0.024	0.049	67.5	<-
Nitrobenzene-d5	0.433	0.459	0.429	0.430	0.428	0.436	3.0	
2-Fluorobiphenyl	1.300	1.359	1.262	1.241	1.256	1.284	3.7	
Terphenyl-d14	0.946	1.020	0.920	0.927	0.926	0.948	4.4	
Phenol-d5	1.580	1.769	1.586	1.610	1.616	1.632	4.8	
2-Fluorophenol	1.171	1.367	1.218	1.240	1.255	1.250	5.8	
2,4,6-Tribromophenol	0.140	0.170	0.156	0.161	0.160	0.157	7.1	
2-Chlorophenol-d4	1.304	1.447	1.328	1.338	1.342	1.352	4.1	
1,2-Dichlorobenzene-d4	0.969	1.010	0.937	0.938	0.948	0.960	3.2	

FORM VI SV-3 1/87 Rev.

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: STL PITTSBURGH Contract:

Lab Code: STL PIT Case No.: SAS No.: SDG No.: C2H060115

Lab File ID: D0808DFT DFTPP Injection Date: 08/08/02

Instrument ID: 721 DFTPP Injection Time: 1007

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	44.7
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Mass 69 relative abundance	60.0
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	54.6
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.1
275	10.0 - 30.0% of mass 198	23.8
365	Greater than 1.0% of mass 198	3.47
441	Present, but less than mass 443	7.4
442	Greater than 40.0% of mass 198	49.2
443	17.0 - 23.0% of mass 442	9.3 (18.9)2

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

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

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	SSTD050	SSTD050	D0808CCC	08/08/02	1024
02	SSTD50APIX	SSTD050	D0808CA9	08/08/02	1051
03	SSTD50AM	SSTD050	D0808CAM	08/08/02	1118
04	INTRA-LAB BL	E517H1AA	D0808001	08/08/02	1155
05	INTRA-LAB CH	E517H1AC	D0808002	08/08/02	1222
06	MPT-1602-SS0	E5X8M1AD	D0808005	08/08/02	1342
07	MPT-1602-SS0	E5X8M1A9	D0808006	08/08/02	1409
08	MPT-1602-SS0	E5X8M1CA	D0808007	08/08/02	1436
09	MPT-1602-SB0	E5X8N1AD	D0808008	08/08/02	1503
10	MPT-1602-SS0	E5X8P1AD	D0808009	08/08/02	1530
11	MPT-1602-SB0	E5X8R1AD	D0808010	08/08/02	1557
12	MPT-1602-SS0	E5X8V1AD	D0808011	08/08/02	1624
13	MPT-1602-SB0	E5X811AD	D0808012	08/08/02	1651
14	MPT-1602-SS0	E5X831AD	D0808013	08/08/02	1718
15	MPT-1602-SB0	E5X891AD	D0808014	08/08/02	1811
16	MPT-1602-SBD	E5X9E1AD	D0808015	08/08/02	1838
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FORM 7
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL PITTSBURGH Contract:

Lab Code: STL PIT Case No.: SAS No.: SDG No.: C2H060115

Instrument ID: 721 Calibration Date: 08/08/02 Time: 1024

Lab File ID: D0808CCC Init. Calib. Date(s): 07/18/02 07/18/02

Init. Calib. Times: 1222 1412

GC Column: HP5-MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Phenol	1.643	1.427	0.01	13.1	20.0
bis(2-Chloroethyl)ether	1.294	1.081	0.01	16.5	50.0
2-Chlorophenol	1.381	1.290	0.01	6.6	50.0
1,3-Dichlorobenzene	1.533	1.493	0.01	2.6	50.0
1,4-Dichlorobenzene	1.561	1.568	0.01	0.4	20.0
1,2-Dichlorobenzene	1.479	1.565	0.01	5.8	50.0
2-Methylphenol	1.285	1.002	0.01	22.0	50.0
2,2'-oxybis(1-Chloropropane)	1.538	1.159	0.01	24.6	50.0
4-Methylphenol	1.224	1.159	0.01	5.3	50.0
Hexachloroethane	0.610	0.703	0.01	15.2	50.0
Nitrobenzene	0.433	0.437	0.01	0.9	50.0
Isophorone	0.695	0.748	0.01	7.6	50.0
2-Nitrophenol	0.229	0.220	0.01	3.9	20.0
2,4-Dimethylphenol	0.367	0.386	0.01	5.2	50.0
bis(2-Chloroethoxy)methane	0.392	0.364	0.01	7.1	50.0
2,4-Dichlorophenol	0.317	0.332	0.01	4.7	20.0
N-Nitroso-di-n-propylamine	1.070	0.964	0.05	9.9	50.0
1,2,4-Trichlorobenzene	0.324	0.336	0.01	3.7	50.0
Naphthalene	1.045	1.062	0.01	1.6	50.0
4-Chloroaniline	0.389	0.423	0.01	8.7	50.0
Hexachlorobutadiene	0.212	0.230	0.01	8.5	20.0
4-Chloro-3-Methylphenol	0.338	0.341	0.01	0.9	20.0
2-Methylnaphthalene	0.668	0.687	0.01	2.8	50.0
Hexachlorocyclopentadiene	0.314	0.306	0.05	2.5	50.0
2,4,6-Trichlorophenol	0.393	0.386	0.01	1.8	20.0
2,4,5-Trichlorophenol	0.443	0.442	0.01	0.2	50.0
2-Chloronaphthalene	1.189	1.233	0.01	3.7	50.0
2-Nitroaniline	0.455	0.387	0.01	14.9	50.0
Dimethylphthalate	1.476	1.430	0.01	3.1	50.0
Acenaphthylene	1.836	1.929	0.01	5.1	50.0
2,6-Dinitrotoluene	0.360	0.360	0.01	0.0	50.0
3-Nitroaniline	0.388	0.369	0.01	4.9	50.0
Acenaphthene	1.200	1.152	0.01	4.0	20.0
2,4-Dinitrophenol	0.160	0.108	0.05	32.5	50.0
4-Nitrophenol	0.275	0.297	0.05	8.0	50.0
Dibenzofuran	1.648	1.572	0.01	4.6	50.0
2,4-Dinitrotoluene	0.482	0.427	0.01	11.4	50.0

FORM 7
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL PITTSBURGH Contract:

Lab Code: STL PIT Case No.: SAS No.: SDG No.: C2H060115

Instrument ID: 721 Calibration Date: 08/08/02 Time: 1024

Lab File ID: D0808CCC Init. Calib. Date(s): 07/18/02 07/18/02

Init. Calib. Times: 1222 1412

GC Column: HP5-MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Diethylphthalate	1.602	1.562	0.01	2.5	50.0
4-Chlorophenyl-phenylether	0.664	0.663	0.01	0.2	50.0
Fluorene	1.344	1.411	0.01	5.0	50.0
4-Nitroaniline	0.384	0.312	0.01	18.8	50.0
4,6-Dinitro-2-methylphenol	0.160	0.146	0.01	8.8	50.0
N-Nitrosodiphenylamine (1)	0.566	0.609	0.01	7.6	20.0
4-Bromophenyl-phenylether	0.252	0.252	0.01	0.0	50.0
Hexachlorobenzene	0.283	0.285	0.01	0.7	50.0
Pentachlorophenol	0.114	0.120	0.01	5.3	20.0
Phenanthrene	1.066	1.060	0.01	0.6	50.0
Anthracene	1.095	1.148	0.01	4.8	50.0
Carbazole	1.047	1.014	0.01	3.2	50.0
Di-n-Butylphthalate	1.578	1.666	0.01	5.6	50.0
Fluoranthene	1.195	1.165	0.01	2.5	20.0
Pyrene	1.170	1.167	0.01	0.2	50.0
Butylbenzylphthalate	0.697	0.745	0.01	6.9	50.0
3,3'-Dichlorobenzidine	0.504	0.564	0.01	11.9	50.0
Benzo(a)Anthracene	1.154	1.116	0.01	3.3	50.0
Chrysene	1.068	1.042	0.01	2.4	50.0
bis(2-ethylhexyl)Phthalate	0.971	1.016	0.01	4.6	50.0
Di-n-octylphthalate	1.805	2.047	0.01	13.4	20.0
Benzo(b)fluoranthene	1.433	1.293	0.01	9.8	50.0
Benzo(k)fluoranthene	1.136	1.382	0.01	21.6	50.0
Benzo(a)pyrene	1.123	1.158	0.01	3.1	20.0
Indeno(1,2,3-cd)pyrene	1.145	1.072	0.01	6.4	50.0
Dibenz(a,h)anthracene	1.099	1.064	0.01	3.2	50.0
Benzo(g,h,i)perylene	1.110	1.087	0.01	2.1	50.0
Pyridine	1.165	0.861	0.01	26.1	50.0
N-Nitrosodimethylamine	0.677	0.411	0.01	39.3	50.0
Aniline	1.634	1.489	0.01	8.9	50.0
Benzyl Alcohol	0.771	0.918	0.01	19.1	50.0
Benzoic Acid	0.163	0.119	0.01	27.0	50.0
1-Methylnaphthalene	0.647	0.708	0.01	9.4	50.0
2,3,4,6-Tetrachlorophenol	0.376	0.348	0.01	7.4	50.0
2,3,5,6-Tetrachlorophenol	0.335	0.315	0.01	6.0	50.0
1,2-Diphenylhydrazine	0.988	0.962	0.01	2.6	50.0
Benzidine	0.316	0.355	0.01	12.3	50.0

FORM 7
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL PITTSBURGH Contract:

Lab Code: STL PIT Case No.: SAS No.: SDG No.: C2H060115

Instrument ID: 721 Calibration Date: 08/08/02 Time: 1024

Lab File ID: D0808CCC Init. Calib. Date(s): 07/18/02 07/18/02

Init. Calib. Times: 1222 1412

GC Column: HP5-MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Methyl methanesulfonate	1.066	1.098	0.01	3.0	50.0
Acetophenone	1.708	1.570	0.01	8.1	50.0
2-Naphthylamine	0.512	0.579	0.01	13.1	50.0
7,12-dimethylbenz[a]anthrace	0.579	0.655	0.01	13.1	50.0
Benzaldehyde	0.678	0.778	0.01	14.7	100
Caprolactam	0.114	0.121	0.01	6.1	50.0
1,1'-Biphenyl	1.628	1.902	0.01	16.8	50.0
Atrazine	0.049	0.032	0.01	34.7	50.0
Nitrobenzene-d5	0.436	0.463	0.01	6.2	50.0
2-Fluorobiphenyl	1.284	1.454	0.01	13.2	50.0
Terphenyl-d14	0.948	1.059	0.01	11.7	50.0
Phenol-d5	1.632	1.584	0.01	2.9	50.0
2-Fluorophenol	1.250	1.166	0.01	6.7	50.0
2,4,6-Tribromophenol	0.157	0.158	0.01	0.6	50.0
2-Chlorophenol-d4	1.352	1.433	0.01	6.0	50.0
1,2-Dichlorobenzene-d4	0.960	1.088	0.01	13.3	50.0

FORM 7
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL PITTSBURGH Contract:

Lab Code: STL PIT Case No.: SAS No.: SDG No.: C2H060115

Instrument ID: 721 Calibration Date: 08/08/02 Time: 1051

Lab File ID: D0808CA9 Init. Calib. Date(s): 06/07/02 06/07/02

Init. Calib. Times: 1105 1258

GC Column: HP5-MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D	
m-Dinitrobenzene	0.238	0.217	0.01	8.8	50.0	
N-Nitrosomorpholine	0.251	0.233	0.01	7.2	50.0	
Ethyl methanesulfonate	1.165	0.873	0.01	25.1	50.0	
2-Picoline	1.222	0.769	0.01	37.1	50.0	
N-Nitrosomethylethylamine	0.621	0.376	0.01	39.4	50.0	
N-Nitrosodiethylamine	0.596	0.438	0.01	26.5	50.0	
Pentachloroethane	0.455	0.537	0.01	18.0	50.0	
N-Nitrosopyrrolidine	0.574	0.503	0.01	12.4	50.0	
o-Toluidine	1.802	1.676	0.01	7.0	50.0	
N-Nitrosopiperidine	0.160	0.133	0.01	16.9	50.0	
O,O,O-Triethyl phosphorothio	0.154	0.167	0.01	8.4	50.0	
a,a-Dimethyl-phenethylamine	1.019	0.552	0.01	45.8	50.0	
2,6-Dichlorophenol	0.276	0.282	0.01	2.2	50.0	
Hexachloropropene	0.178	0.232	0.01	30.3	50.0	
N-Nitrosodi-n-butylamine	0.236	0.218	0.01	7.6	50.0	
p-Phenylene diamine	0.381	0.277	0.01	27.3	50.0	
Safrole	0.252	0.250	0.01	0.8	50.0	
1,2,4,5-Tetrachlorobenzene	0.461	0.520	0.01	12.8	50.0	
Isosafrole 1	0.454	0.452	0.01	0.4	50.0	
Isosafrole, Total		0.226	0.01		50.0	<-
1,4-Naphthoquinone	0.375	0.373	0.01	0.5	50.0	
Pentachlorobenzene	0.461	0.474	0.01	2.8	50.0	
1-Naphthylamine	1.090	0.960	0.01	11.9	50.0	
5-Nitro-o-toluidine	0.402	0.335	0.01	16.7	50.0	
Diallate 1	0.617	0.578	0.01	6.3	50.0	
Diallate, Total	0.361	0.330	0.01	8.6	50.0	
Diallate 2	0.105	0.082	0.01	21.9	50.0	
Phorate	0.136	0.144	0.01	5.9	50.0	
1,3,5-Trinitrobenzene	0.085	0.087	0.01	2.4	50.0	
Phenacetin	0.373	0.408	0.01	9.4	50.0	
Dimethoate	0.264	0.210	0.01	20.4	50.0	
Pentachloronitrobenzene	0.088	0.134	0.01	52.3	50.0	<-
4-Aminobiphenyl	0.754	0.733	0.01	2.8	50.0	
Pronamide	0.330	0.378	0.01	14.5	50.0	
Dinoseb	0.191	0.170	0.01	11.0	50.0	
Disulfoton	0.393	0.303	0.01	22.9	50.0	
4-Nitroquinoline 1-oxide	0.099	0.080	0.01	19.2	50.0	

FORM VII SV

FORM 7
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL PITTSBURGH Contract:

Lab Code: STL PIT Case No.: SAS No.: SDG No.: C2H060115

Instrument ID: 721 Calibration Date: 08/08/02 Time: 1051

Lab File ID: D0808CA9 Init. Calib. Date(s): 06/07/02 06/07/02

Init. Calib. Times: 1105 1258

GC Column: HP5-MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D	
Methapyrilene	0.348	0.252	0.01	27.6	50.0	
Aramite 1	0.134	0.147	0.01	9.7	50.0	
Aramite, Total	0.165	0.177	0.01	7.3	50.0	
Aramite 2	0.196	0.206	0.01	5.1	50.0	
p-Dimethylamino azobenzene	0.221	0.199	0.01	10.0	50.0	
p-Chlorobenzilate	0.419	0.585	0.01	39.6	50.0	
3,3'-Dimethylbenzidine	0.582	0.550	0.01	5.5	50.0	
2-Acetylaminofluorene	0.490	0.461	0.01	5.9	50.0	
4,4'-Methylene bis(o-chloroa	0.199	0.207	0.01	4.0	50.0	
3-Methylcholanthrene	0.529	0.517	0.01	2.3	50.0	
1,4-Dioxane	0.237		0.01	100.0	50.0	<-
Thionazin	0.184	0.212	0.01	15.2	50.0	
Sulfotepp	0.137	0.197	0.01	43.8	50.0	
Methyl parathion	0.224	0.240	0.01	7.1	20.0	
Parathion	0.161	0.188	0.01	16.8	20.0	
Isodrin	0.113	0.134	0.01	18.6	20.0	

FORM VII SV

FORM 7
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL PITTSBURGH Contract:

Lab Code: STL PIT Case No.: SAS No.: SDG No.: C2H060115

Instrument ID: 721 Calibration Date: 08/08/02 Time: 1118

Lab File ID: D0808CAM Init. Calib. Date(s): 07/18/02 07/18/02

Init. Calib. Times: 1506 1656

GC Column: HP5-MS ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Famphur	0.522	0.550	0.01	5.4	50.0
6-Methylchrysene	0.802	0.813	0.01	1.4	20.0
Benzenethiol	0.728	0.388	0.01	46.7	50.0
Kepone	0.169	0.195	0.01	15.4	20.0
Dibenzo(a,h) acridine	3.288	2.861	0.01	13.0	20.0

FORM VII SV

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: C2H060115
MB Lot-Sample #: C2H070000-222

Work Order #...: E517H1AA

Matrix.....: SOLID

Analysis Date..: 08/08/02
Dilution Factor: 1

Prep Date.....: 08/07/02
Prep Batch #...: 2219222
Initial Wgt/Vol: 30 g
Analyst ID.....: 001562

Analysis Time..: 11:55
Final Wgt/Vol..: 1 mL
Instrument ID..: 721

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acenaphthene	ND	330	ug/kg	SW846 8270C
Acenaphthylene	ND	330	ug/kg	SW846 8270C
Acetophenone	ND	330	ug/kg	SW846 8270C
2-Acetylaminofluorene	ND	660	ug/kg	SW846 8270C
4-Aminobiphenyl	ND	1600	ug/kg	SW846 8270C
Aniline	ND	330	ug/kg	SW846 8270C
Anthracene	ND	330	ug/kg	SW846 8270C
Benzo(a)anthracene	ND	330	ug/kg	SW846 8270C
Benzo(a)pyrene	ND	330	ug/kg	SW846 8270C
Benzo(b)fluoranthene	ND	330	ug/kg	SW846 8270C
Benzo(ghi)perylene	ND	330	ug/kg	SW846 8270C
Benzo(k)fluoranthene	ND	330	ug/kg	SW846 8270C
Benzyl alcohol	ND	330	ug/kg	SW846 8270C
bis(2-Chloroethoxy) methane	ND	330	ug/kg	SW846 8270C
bis(2-Chloroethyl)-ether	ND	330	ug/kg	SW846 8270C
bis(2-Ethylhexyl) phthalate	ND	330	ug/kg	SW846 8270C
4-Bromophenyl phenyl ether	ND	330	ug/kg	SW846 8270C
Butyl benzyl phthalate	ND	330	ug/kg	SW846 8270C
4-Chloroaniline	ND	330	ug/kg	SW846 8270C
4-Chloro-3-methylphenol	ND	330	ug/kg	SW846 8270C
2-Chloronaphthalene	ND	330	ug/kg	SW846 8270C
2-Chlorophenol	ND	330	ug/kg	SW846 8270C
4-Chlorophenyl phenyl ether	ND	330	ug/kg	SW846 8270C
Chrysene	ND	330	ug/kg	SW846 8270C
Dibenz(a,h)anthracene	ND	330	ug/kg	SW846 8270C
Dibenzofuran	ND	330	ug/kg	SW846 8270C
Di-n-butyl phthalate	ND	330	ug/kg	SW846 8270C
1,2-Dichlorobenzene	ND	330	ug/kg	SW846 8270C
1,3-Dichlorobenzene	ND	330	ug/kg	SW846 8270C
1,4-Dichlorobenzene	ND	330	ug/kg	SW846 8270C
3,3'-Dichlorobenzidine	ND	1600	ug/kg	SW846 8270C
2,4-Dichlorophenol	ND	330	ug/kg	SW846 8270C
2,6-Dichlorophenol	ND	330	ug/kg	SW846 8270C
Diethyl phthalate	ND	330	ug/kg	SW846 8270C
p-Dimethylaminoazobenzene	ND	660	ug/kg	SW846 8270C

(Continued on next page)

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: C2H060115 Work Order #...: E517H1AA Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
7,12-Dimethylbenz(a)-anthracene	ND	660	ug/kg	SW846 8270C
3,3'-Dimethylbenzidine	ND	1600	ug/kg	SW846 8270C
2,4-Dimethylphenol	ND	330	ug/kg	SW846 8270C
Dimethyl phthalate	ND	330	ug/kg	SW846 8270C
Di-n-octyl phthalate	ND	330	ug/kg	SW846 8270C
1,3-Dinitrobenzene	ND	330	ug/kg	SW846 8270C
4,6-Dinitro-2-methylphenol	ND	1600	ug/kg	SW846 8270C
2,4-Dinitrophenol	ND	1600	ug/kg	SW846 8270C
2,4-Dinitrotoluene	ND	330	ug/kg	SW846 8270C
2,6-Dinitrotoluene	ND	330	ug/kg	SW846 8270C
Ethyl methanesulfonate	ND	330	ug/kg	SW846 8270C
Fluoranthene	ND	330	ug/kg	SW846 8270C
Fluorene	ND	330	ug/kg	SW846 8270C
Hexachlorobenzene	ND	330	ug/kg	SW846 8270C
Hexachlorobutadiene	ND	330	ug/kg	SW846 8270C
Hexachlorocyclopentadiene	ND	1600	ug/kg	SW846 8270C
Hexachloroethane	ND	330	ug/kg	SW846 8270C
Hexachloropropene	ND	3300	ug/kg	SW846 8270C
Indeno(1,2,3-cd)pyrene	ND	330	ug/kg	SW846 8270C
Isophorone	ND	330	ug/kg	SW846 8270C
Isosafrole	ND	660	ug/kg	SW846 8270C
Methapyrilene	ND	1600	ug/kg	SW846 8270C
3-Methylcholanthrene	ND	1600	ug/kg	SW846 8270C
Methyl methanesulfonate	ND	330	ug/kg	SW846 8270C
2-Methylnaphthalene	ND	330	ug/kg	SW846 8270C
2-Methylphenol	ND	330	ug/kg	SW846 8270C
3-Methylphenol & 4-Methylphenol	ND	660	ug/kg	SW846 8270C
Naphthalene	ND	330	ug/kg	SW846 8270C
1,4-Naphthoquinone	ND	1600	ug/kg	SW846 8270C
1-Naphthylamine	ND	330	ug/kg	SW846 8270C
2-Naphthylamine	ND	330	ug/kg	SW846 8270C
2-Nitroaniline	ND	1600	ug/kg	SW846 8270C
3-Nitroaniline	ND	1600	ug/kg	SW846 8270C
4-Nitroaniline	ND	1600	ug/kg	SW846 8270C
Nitrobenzene	ND	330	ug/kg	SW846 8270C
2-Nitrophenol	ND	330	ug/kg	SW846 8270C
4-Nitrophenol	ND	1600	ug/kg	SW846 8270C
4-Nitroquinoline-1-oxide	ND	3300	ug/kg	SW846 8270C
N-Nitrosodi-n-butylamine	ND	330	ug/kg	SW846 8270C
N-Nitrosodiethylamine	ND	330	ug/kg	SW846 8270C

(Continued on next page)

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: C2H060115 Work Order #...: E517H1AA Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
N-Nitrosodimethylamine	ND	330	ug/kg	SW846 8270C
N-Nitrosodi-n-propyl-amine	ND	330	ug/kg	SW846 8270C
N-Nitrosodiphenylamine	ND	330	ug/kg	SW846 8270C
N-Nitrosomethylethylamine	ND	330	ug/kg	SW846 8270C
N-Nitrosomorpholine	ND	330	ug/kg	SW846 8270C
N-Nitrosopyrrolidine	ND	330	ug/kg	SW846 8270C
5-Nitro-o-toluidine	ND	660	ug/kg	SW846 8270C
2,2'-oxybis(1-Chloropropa	ND	330	ug/kg	SW846 8270C
Pentachlorobenzene	ND	330	ug/kg	SW846 8270C
Pentachloroethane	ND	1600	ug/kg	SW846 8270C
Pentachloronitrobenzene	ND	1600	ug/kg	SW846 8270C
Pentachlorophenol	ND	1600	ug/kg	SW846 8270C
Phenacetin	ND	660	ug/kg	SW846 8270C
Phenanthrene	ND	330	ug/kg	SW846 8270C
Phenol	ND	330	ug/kg	SW846 8270C
p-Phenylene diamine	ND	6600	ug/kg	SW846 8270C
2-Picoline	ND	660	ug/kg	SW846 8270C
Pronamide	ND	660	ug/kg	SW846 8270C
Pyrene	ND	330	ug/kg	SW846 8270C
Pyridine	ND	660	ug/kg	SW846 8270C
Safrole	ND	660	ug/kg	SW846 8270C
Sulfotepp	ND	1600	ug/kg	SW846 8270C
1,2,4,5-Tetrachloro-benzene	ND	330	ug/kg	SW846 8270C
2,3,4,6-Tetrachlorophenol	ND	330	ug/kg	SW846 8270C
Thionazin	ND	1600	ug/kg	SW846 8270C
o-Toluidine	ND	660	ug/kg	SW846 8270C
1,2,4-Trichloro-benzene	ND	330	ug/kg	SW846 8270C
2,4,5-Trichloro-phenol	ND	330	ug/kg	SW846 8270C
2,4,6-Trichloro-phenol	ND	330	ug/kg	SW846 8270C
1,3,5-Trinitrobenzene	ND	1600	ug/kg	SW846 8270C
Aramite	ND	1600	ug/kg	SW846 8270C
4-Methylphenol	ND	330	ug/kg	SW846 8270C
Carbazole	ND	330	ug/kg	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2,4,6-Tribromophenol	73	(35 - 116)
2-Fluorobiphenyl	82	(43 - 110)
2-Fluorophenol	60	(11 - 116)
Nitrobenzene-d5	75	(42 - 110)

(Continued on next page)

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: C2H060115 Work Order #...: E517H1AA Matrix.....: SOLID

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Phenol-d5	63	(25 - 115)		
Terphenyl-d14	80	(37 - 137)		

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

TETRA TECH NUS INC

Method Blank Report

GC/MS Semivolatiles

Lot-Sample #: C2H070000-222 B Work Order #: E517H1AA Matrix: SOLID

MASS SPECTROMETER/DATA SYSTEM (MSDS) TENTATIVELY IDENTIFIED COMPOUNDS

PARAMETER	CAS #	ESTIMATED RESULT		RETENTION TIME	UNITS
Hexachlorophene		ND	M		ug/kg

NOTE(S):

M: Result was measured against nearest internal standard assuming a response factor of 1.

SW846 8270C CHECK SAMPLE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: TETRA TECH NUS INC

Lab Code: STLPIT SDG No:

Lot #: C2H070000 WO #: E517H1AC

BATCH: 2219222

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENT. (ug/kg)	% REC	QC LIMITS REC	QUAL
Phenol	2500	1720	69	35- 110	
2-Chlorophenol	2500	1960	78	43- 110	
1,4-Dichlorobenzene	1670	1280	77	38- 100	
N-Nitrosodi-n-propylamine	1670	1180	71	38- 110	
1,2,4-Trichlorobenzene	1670	1370	82	45- 110	
4-Chloro-3-methylphenol	2500	2080	83	43- 110	
Acenaphthene	1670	1360	82	44- 108	
4-Nitrophenol	2500	2190	88	22- 128	
2,4-Dinitrotoluene	1670	1250	75	48- 111	
Pentachlorophenol	2500	2420	97	10- 123	
Pyrene	1670	1410	84	42- 122	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 11 outside limits

COMMENTS:

FORM III

SW846 8270C MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: TETRA TECH NUS INC

Lab Code: STLPIT SDG No:

Matrix Spike ID: MPT-1602-SS01-01 Level: (low/med) LOW

Lot #: C2H060115 WO #: E5X8M1A9
BATCH: 2219222

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENT. (ug/kg)	MS CONCENT. (ug/kg)	MS % REC	LIMITS REC	QUAL
Phenol	2630	ND	1890	72	10- 148	
1,4-Dichlorobenzene	1750	ND	1310	75	18- 110	
N-Nitrosodi-n-propylamine	1750	ND	1120	64	12- 128	
1,2,4-Trichlorobenzene	1750	ND	1500	86	16- 121	
4-Chloro-3-methylphenol	2630	ND	2120	81	17- 128	
Acenaphthene	1750	ND	1550	89	13- 133	
2,4-Dinitrotoluene	1750	ND	1240	71	10- 171	
Pentachlorophenol	2630	ND	3360	128	10- 144	
Pyrene	1750	ND	1260	72	10- 218	
2-Chlorophenol	2630	ND	2180	83	17- 116	
4-Nitrophenol	2630	ND	2420	92	10- 148	

NOTES(S):

Results and reporting limits have been adjusted for dry weight.

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 11 outside limits

COMMENTS:

FORM III

SW846 8270C MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: TETRA TECH NUS INC

Lab Code: STLPIT SDG No:

Matrix Spike ID: MPT-1602-SS01-01 Level:(low/med) LOW

Lot #: C2H060115 WO #: E5X8M1CA
BATCH: 2219222

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENT. (ug/kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	QUAL
Phenol	2630	1950	74	3.4	50	10- 148	
1,4-Dichlorobenzene	1750	1410	80	6.8	59	18- 110	
N-Nitrosodi-n-propylamine	1750	1130	65	0.66	50	12- 128	
1,2,4-Trichlorobenzene	1750	1590	91	5.7	54	16- 121	
4-Chloro-3-methylphenol	2630	2160	82	2.2	55	17- 128	
Acenaphthene	1750	1610	92	3.2	44	13- 133	
2,4-Dinitrotoluene	1750	1270	73	2.2	45	10- 171	
Pentachlorophenol	2630	3610	137	7.2	87	10- 144	
Pyrene	1750	1280	73	1.6	66	10- 218	
2-Chlorophenol	2630	2270	86	4.0	54	17- 116	
4-Nitrophenol	2630	2560	97	5.4	64	10- 148	

NOTES(S):

Results and reporting limits have been adjusted for dry weight.

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 11 outside limits
Spike Recovery: 0 out of 11 outside limits

COMMENTS:

FORM III

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL PITTSBURGH Contract:

Lab Code: STL PIT Case No.: SAS No.: SDG No.: C2H060115

Lab File ID (Standard): D0808CCC Date Analyzed: 08/08/02

Instrument ID: 721 Time Analyzed: 1024

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	90864	4.56	320627	5.65	190259	7.09
	UPPER LIMIT	181728	5.06	641254	6.15	380518	7.59
	LOWER LIMIT	45432	4.06	160314	5.15	95130	6.59
	CLIENT SAMPLE NO.						
01	INTRA-LAB BL	87591	4.56	332278	5.64	194312	7.09
02	INTRA-LAB CH	86964	4.56	330212	5.64	188165	7.08
03	MPT-1602-SS0	108540	4.57	402298	5.64	208220	7.09
04	MPT-1602-SS0	108402	4.57	372449	5.64	184544	7.09
05	MPT-1602-SS0	111656	4.57	373802	5.65	181096	7.09
06	MPT-1602-SB0	108998	4.57	389020	5.65	196399	7.08
07	MPT-1602-SS0	98833	4.57	349423	5.64	173688	7.08
08	MPT-1602-SB0	103571	4.57	361632	5.64	180225	7.09
09	MPT-1602-SS0	100476	4.57	337548	5.64	166951	7.08
10	MPT-1602-SB0	101066	4.57	349573	5.65	178779	7.08
11	MPT-1602-SS0	96832	4.57	341707	5.65	166877	7.09
12	MPT-1602-SB0	93726	4.57	326229	5.65	164243	7.08
13	MPT-1602-SBD	94351	4.56	328842	5.65	167503	7.08
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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

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

page 1 of 1

FORM VIII SV

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: STL PITTSBURGH Contract:

Lab Code: STL PIT Case No.: SAS No.: SDG No.: C2H060115

Lab File ID (Standard): D0808CCC Date Analyzed: 08/08/02

Instrument ID: 721 Time Analyzed: 1024

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	291716	8.72	278355	13.46	240085	16.31
	UPPER LIMIT	583432	9.22	556710	13.96	480170	16.81
	LOWER LIMIT	145858	8.22	139178	12.96	120043	15.81
	CLIENT SAMPLE NO.						
01	INTRA-LAB BL	314142	8.72	290698	13.45	257883	16.31
02	INTRA-LAB CH	304029	8.72	291306	13.44	267664	16.30
03	MPT-1602-SS0	285824	8.72	292387	13.45	346731	16.32
04	MPT-1602-SS0	252190	8.72	286411	13.45	313825	16.33
05	MPT-1602-SS0	249718	8.72	313815	13.45	281963	16.32
06	MPT-1602-SB0	266923	8.72	306969	13.45	292160	16.32
07	MPT-1602-SS0	249114	8.71	318775	13.45	270771	16.31
08	MPT-1602-SB0	255285	8.71	325924	13.45	275407	16.31
09	MPT-1602-SS0	246768	8.71	331732	13.45	247511	16.31
10	MPT-1602-SB0	256294	8.72	329376	13.45	245754	16.31
11	MPT-1602-SS0	248194	8.72	328967	13.45	215066	16.31
12	MPT-1602-SB0	248446	8.72	322931	13.45	221319	16.31
13	MPT-1602-SBD	258021	8.72	331058	13.45	216679	16.31
14							
15							
16							
17							
18							
19							
20							
21							
22							

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

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

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

page 1 of 1

FORM VIII SV

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: C2H060115

GC Column: RTX-1701 ID: 0.53 (mm) Init. Calib. Date(s): 08/12/02 08/12/02

Instrument ID: GC4

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 4.81 DCB: 18.35

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01		EVALB	08/12/02	1705	4.80	18.34
02		MEDTOX	08/12/02	1733	4.80	18.34
03		MCHLOR	08/12/02	1800	4.81	18.34
04		LOWA	08/12/02	1828	4.80	18.33
05		MLOWA	08/12/02	1855	4.80	18.34
06		MEDA	08/12/02	1923	4.81	18.35
07		MHIGHA	08/12/02	1950	4.80	18.34
08		HIGHA	08/12/02	2018	4.80	18.34
09		LOWB	08/12/02	2045		
10		MLOWB	08/12/02	2113		
11		MEDB	08/12/02	2140		
12		MHIGHB	08/12/02	2208		
13		HIGHB	08/12/02	2235		
14		2ND A	08/12/02	2303	4.80	18.33
15		2ND B	08/12/02	2330		
16		EVALB	08/12/02	2358	4.81	18.34
17		EVALB	08/13/02	1517	4.79	18.34
18		MEDA	08/13/02	1544	4.79	18.33
19		MEDB	08/13/02	1612		
20	MPT-1602-SS0	E5X8M1AE	08/13/02	1639	4.79	18.33
21	MPT-1602-SB0	E5X8N1AE	08/13/02	1707	4.79	18.33
22	MPT-1602-SB0	E5X8N1AT	08/13/02	1734	4.79	18.33
23	MPT-1602-SB0	E5X8N1AU	08/13/02	1802	4.79	18.33
24	MPT-1602-SS0	E5X8P1AE	08/13/02	1830	4.80	18.33
25	MPT-1602-SB0	E5X8R1AE	08/13/02	1857	4.80	18.33
26	MPT-1602-SS0	E5X8V1AE	08/13/02	1925	4.79	18.33
27	MPT-1602-SB0	E5X811AE	08/13/02	1952	4.79	18.33
28	MPT-1602-SS0	E5X831AE	08/13/02	2020	4.79	18.33
29	MPT-1602-SB0	E5X891AE	08/13/02	2047	4.79	18.33
30	MPT-1602-SBD	E5X9E1AE	08/13/02	2115	4.79	18.33
31	PBLK9467	E53LW1AA	08/14/02	0055	4.79	18.33
32	LCS9467	E53LW1AC	08/14/02	0123	4.79	18.33

QC LIMITS
TCX = Tetrachloro-m-xylene (+/- 0.05 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.05 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII PEST OLM03.0

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: C2H060115

GC Column: RTX-1701 ID: 0.53 (mm) Init. Calib. Date(s): 08/12/02 08/12/02

Instrument ID: GC4

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 4.81 DCB: 18.35

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01		MEDA	08/14/02	0150	4.79	18.33
02		MEDB	08/14/02	0218		
03						
04						
05						
06						
07						
08						
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31						
32						

	QC LIMITS
TCX = Tetrachloro-m-xylene	(+/- 0.05 MINUTES)
DCB = Decachlorobiphenyl	(+/- 0.05 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

Report Date : 14-Aug-2002 08:28

6E
58804B
ATx-1701

STL Pittsburgh

INITIAL CALIBRATION DATA

Start Cal Date : 12-AUG-2002 17:33
End Cal Date : 12-AUG-2002 22:35
Quant Method : ESTD
Origin : Disabled
Target Version : 4.04
Integrator : Falcon
Method file : \\qpitpa02\d\chem\gc4.i\7132-G.b\8081B.m
Cal Date : 14-Aug-2002 08:26 MatkoL
Curve Type : Average

Calibration File Names:
Level 1: \\qpitpa02\d\chem\gc4.i\7132-G.b\D-B7226.d
Level 2: \\qpitpa02\d\chem\gc4.i\7132-G.b\D-B7227.d
Level 3: \\qpitpa02\d\chem\gc4.i\7132-G.b\D-B7228.d
Level 4: \\qpitpa02\d\chem\gc4.i\7132-G.b\D-B7229.d
Level 5: \\qpitpa02\d\chem\gc4.i\7132-G.b\D-B7230.d

Compound	0.00500 Level 1	0.01000 Level 2	0.02500 Level 3	0.05000 Level 4	0.10000 Level 5	RRF	% RSD
70 HCCPD	+++++	+++++	+++++	+++++	+++++	+++++	+++++
67 Hexachlorobenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++
6 alpha-BHC	3538200	3892000	4029200	4083160	4017050	3911922	5.632
7 gamma-BHC (Lindane)	3365800	3679800	3763880	3752140	3668120	3645948	4.450
8 Chlordane(1)	+++++	+++++	578764	+++++	+++++	578764	0.000
(2)	+++++	+++++	1116684	+++++	+++++	1116684	0.000
(3)	+++++	+++++	1211824	+++++	+++++	1211824	0.000
(4)	+++++	+++++	1831696	+++++	+++++	1831696	0.000
9 Heptachlor	3459800	3605200	3568720	3480060	3401880	3503132	2.362
13 Aldrin	2704400	2856300	3010680	3004120	2913590	2897818	4.345
10 beta-BHC	1497000	1575400	1607720	1597340	1544010	1564294	2.866
68 Dacthal	+++++	+++++	+++++	+++++	+++++	+++++	+++++
11 delta-BHC	2712400	2985100	3256680	3413540	3350130	3143570	9.266
17 Heptachlor epoxide	3218800	3281900	3336440	3254860	3151310	3248662	2.134
20 Endosulfan I	3492800	3563000	3476560	3362360	3307790	3440502	3.005
69 Chlorbenside	+++++	+++++	+++++	+++++	+++++	+++++	+++++
18 gamma-Chlordane	3365200	3464200	3508200	3436060	3366240	3427980	1.820
19 alpha-Chlordane	3499200	3509900	3471000	3441900	3304220	3445244	2.413
22 4,4'-DDE	3050800	3150400	3189560	3214220	3186940	3158384	2.036
23 Dieldrin	3737200	3797500	3729240	3706120	3640030	3722018	1.529
26 Endrin	3240200	3291300	3237120	3205040	3166830	3228098	1.429
30 Toxaphene(1)	+++++	+++++	53154	+++++	+++++	53154	0.000
(2)	+++++	+++++	65379	+++++	+++++	65379	0.000
(3)	+++++	+++++	71429	+++++	+++++	71429	0.000
(4)	+++++	+++++	56218	+++++	+++++	56218	0.000
29 4,4'-DDD	2363800	2418100	2403920	2433480	2483460	2420552	1.804

Report Date : 14-Aug-2002 08:28

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RTx-1701

STL Pittsburgh

INITIAL CALIBRATION DATA

Start Cal Date : 12-AUG-2002 17:33
End Cal Date : 12-AUG-2002 22:35
Quant Method : ESTD
Origin : Disabled
Target Version : 4.04
Integrator : Falcon
Method file : \\qpitpa02\d\chem\gc4.i\7132-G.b\8081B.m
Cal Date : 14-Aug-2002 08:26 MatkoL
Curve Type : Average

Compound	0.00500 Level 1	0.01000 Level 2	0.02500 Level 3	0.05000 Level 4	0.10000 Level 5	___ RRF	% RSD
31 Endosulfan II	2711600	2765800	2719240	2731580	2690000	2723644	1.028
32 4,4'-DDT	2554400	2623000	2576480	2610880	2657860	2604524	1.551
33 Endrin aldehyde	1294400	1352500	1381120	1418240	1406000	1370452	3.606
35 Methoxychlor	1116500	1192300	1192080	1177730	1197850	1175292	2.867
66 Mirex	+++++	+++++	+++++	+++++	+++++	+++++	+++++
34 Endosulfan sulfate	1686600	1762800	1827880	1876160	1900810	1810850	4.814
37 Endrin ketone	2130400	2205900	2267760	2269260	2243160	2223296	2.605
$ 2 Tetrachloro-m-xylene	2751800	2754800	2592200	2448980	2323550	2574266	7.345
$ 38 Decachlorobiphenyl	2037400	2090900	2016920	1946780	1892830	1996966	3.897

7D
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: METHODS

GC Column: RTX-1701 ID: 0.53 (mm) Init. Calib. Date(s): 08/12/02 08/12/02

EPA Sample No.(PIBLK): _____ Date Analyzed :_____

Lab Sample ID (PIBLK): _____ Time Analyzed :_____

EPA Sample No.(PEM): Date Analyzed :08/12/02

Lab Sample ID (PEM): EVALB Time Analyzed :1705

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
Endrin	14.02	13.98	14.08	0.02202	0.02500	-11.9
4,4'-DDT	14.77	14.72	14.82	0.02272	0.02500	-9.1

4,4'-DDT % breakdown (1): ~~3.80~~ 4.3 Endrin % breakdown (1): 0.00

Combined % breakdown (1): ~~3.80~~ 4.3

MM
8/18/02

FORM VII PEST-1 OLM03.0

7D
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: METHODS

GC Column: RTX-1701 ID: 0.53 (mm) Init. Calib. Date(s): 08/12/02 08/12/02

EPA Sample No.(PIBLK): _____ Date Analyzed :_____

Lab Sample ID (PIBLK): _____ Time Analyzed :_____

EPA Sample No.(PEM): Date Analyzed :08/12/02

Lab Sample ID (PEM): EVALB Time Analyzed :2358

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
Endrin	14.02	13.98	14.08	0.02297	0.02500	-8.1
4,4'-DDT	14.77	14.72	14.82	0.02315	0.02500	-7.4

4,4'-DDT % breakdown (1): ~~1.84~~ 2.3 Endrin % breakdown (1): 0.00

Combined % breakdown (1): ~~1.84~~ 2.3

LM
8/18/02

FORM VII PEST-1 OLM03.0

7D

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: METHODS

GC Column: RTX-1701 ID: 0.53 (mm) Init. Calib. Date(s): 08/12/02 08/12/02

EPA Sample No.(PIBLK): _____ Date Analyzed :_____

Lab Sample ID (PIBLK): _____ Time Analyzed :_____

EPA Sample No.(PEM): Date Analyzed :08/13/02

Lab Sample ID (PEM): EVALB Time Analyzed :1517

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
Endrin	14.02	13.98	14.08	0.02470	0.02500	-1.2
4,4'-DDT	14.77	14.72	14.82	0.02479	0.02500	-0.8

4,4'-DDT % breakdown (1): 0.00 Endrin % breakdown (1): 0.00

Combined % breakdown (1): _____

FORM VII PEST-1 OLM03.0

Data File: \\qpitpa02\d\chem\gc4.i\7132-G.b\D-B7267.d
Report Date: 14-Aug-2002 08:31

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RT-170

STL Pittsburgh

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gc4.i
Lab File ID: D-B7267.d
Analysis Type:
Lab Sample ID: MEDA
Method: \\qpitpa02\d\chem\gc4.i\7132-G.b\8081B.m

Injection Date: 13-AUG-2002 15:44
Init. Cal. Date(s): 12-AUG-2002 12-AUG-2002
Init. Cal. Times: 17:33 22:35
Quant Type: ESTD

COMPOUND	RRF	RF0	MIN RRF	%D	MAX %D
$ 2 Tetrachloro-m-xylene	2574266	2803360	0.000	8.9	15.0
6 alpha-BHC	3911922	4421520	0.010	13.0	15.0
7 gamma-BHC (Lindane)	3645948	4085320	0.010	12.1	15.0
9 Heptachlor	3503132	3868320	0.010	10.4	15.0
20 Endosulfan I	3440502	3579200	0.010	4.0	15.0
23 Dieldrin	3722018	3860920	0.010	3.7	15.0
26 Endrin	3228098	3442200	0.010	6.6	15.0
29 4,4'-DDD	2420552	2625320	0.010	8.5	15.0
32 4,4'-DDT	2604524	2731320	0.010	4.9	15.0
35 Methoxychlor	1175292	1309420	0.010	11.4	15.0
$ 38 Decachlorobiphenyl	1996966	2101240	0.010	5.2	15.0

Data File: \\qpitpa02\d\chem\gc4.i\7132-G.b\D-B7268.d
Report Date: 14-Aug-2002 08:32

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587046
ATx-1KY

STL Pittsburgh

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gc4.i
Lab File ID: D-B7268.d
Analysis Type:
Lab Sample ID: MEDB
Method: \\qpitpa02\d\chem\gc4.i\7132-G.b\8081B.m

Injection Date: 13-AUG-2002 16:12
Init. Cal. Date(s): 12-AUG-2002 12-AUG-2002
Init. Cal. Times: 17:33 22:35
Quant Type: ESTD

COMPOUND	RRF	RF0	MIN RRF	%D	MAX %D	
13 Aldrin	2897818	3209640	0.010	10.8	15.0	
10 beta-BHC	1564294	1752120	0.010	12.0	15.0	
11 delta-BHC	3143570	3691680	0.010	17.4	15.0	<-
17 Heptachlor epoxide	3248662	3547400	0.010	9.2	15.0	
18 gamma-Chlordane	3427980	3690600	0.010	7.7	15.0	
19 alpha-Chlordane	3445244	3692320	0.010	7.2	15.0	
22 4,4'-DDE	3158384	3547080	0.010	12.3	15.0	
31 Endosulfan II	2723644	2832440	0.010	4.0	15.0	
33 Endrin aldehyde	1370452	1472240	0.010	7.4	15.0	
34 Endosulfan sulfate	1810850	1992360	0.010	10.0	15.0	
37 Endrin ketone	2223296	2378880	0.010	7.0	15.0	

AVG=8.8

Data File: \\qpitpa02\d\chem\gc4.i\7132-G.b\D-B7289.d
Report Date: 14-Aug-2002 09:05

7E
58804B
ATx-1701

STL Pittsburgh

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gc4.i
Lab File ID: D-B7289.d
Analysis Type:
Lab Sample ID: MEDA
Method: \\qpitpa02\d\chem\gc4.i\7132-G.b\8081B.m

Injection Date: 14-AUG-2002 01:50
Init. Cal. Date(s): 12-AUG-2002 12-AUG-2002
Init. Cal. Times: 17:33 22:35
Quant Type: ESTD

COMPOUND	RRF	RF0	MIN RRF	%D	MAX %D
$ 2 Tetrachloro-m-xylene	2574266	2738800	0.000	6.4	15.0
6 alpha-BHC	3911922	4324840	0.010	10.6	15.0
7 gamma-BHC (Lindane)	3645948	4017880	0.010	10.2	15.0
9 Heptachlor	3503132	3754400	0.010	7.2	15.0
20 Endosulfan I	3440502	3492920	0.010	1.5	15.0
23 Dieldrin	3722018	3753960	0.010	0.9	15.0
26 Endrin	3228098	3352800	0.010	3.9	15.0
29 4,4'-DDD	2420552	2588720	0.010	6.9	15.0
32 4,4'-DDT	2604524	2696240	0.010	3.5	15.0
35 Methoxychlor	1175292	1285980	0.010	9.4	15.0
$ 38 Decachlorobiphenyl	1996966	2070320	0.010	3.7	15.0

Data File: \\qpitpa02\d\chem\gc4.i\7132-G.b\D-B7290.d
Report Date: 14-Aug-2002 09:06

7E
58904B
ATx-1201

STL Pittsburgh

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gc4.i
Lab File ID: D-B7290.d
Analysis Type:
Lab Sample ID: MEDB
Method: \\qpitpa02\d\chem\gc4.i\7132-G.b\8081B.m

Injection Date: 14-AUG-2002 02:18
Init. Cal. Date(s): 12-AUG-2002 12-AUG-2002
Init. Cal. Times: 17:33 22:35
Quant Type: ESTD

COMPOUND	RRF	RF0	MIN RRF	%D	MAX %D	
13 Aldrin	2897818	3220400	0.010	11.1	15.0	
10 beta-BHC	1564294	1721720	0.010	10.1	15.0	
11 delta-BHC	3143570	3626480	0.010	15.4	15.0	<-
17 Heptachlor epoxide	3248662	3472280	0.010	6.9	15.0	
18 gamma-Chlordane	3427980	3578960	0.010	4.4	15.0	
19 alpha-Chlordane	3445244	3590040	0.010	4.2	15.0	
22 4,4'-DDE	3158384	3489280	0.010	10.5	15.0	
31 Endosulfan II	2723644	2819920	0.010	3.5	15.0	
33 Endrin aldehyde	1370452	1450800	0.010	5.9	15.0	
34 Endosulfan sulfate	1810850	1973440	0.010	9.0	15.0	
37 Endrin ketone	2223296	2351880	0.010	5.8	15.0	

AVE= 6.86

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: C2H060115

GC Column: RTX-50 ID: 0.53 (mm) Init. Calib. Date(s): 08/12/02 08/12/02

Instrument ID: GC4

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 4.91 DCB: 20.01

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01		EVALB	08/12/02	1705	4.91	19.99
02		MEDTOX	08/12/02	1733	4.91	20.00
03		MCHLOR	08/12/02	1800	4.91	20.00
04		LOWA	08/12/02	1828	4.91	19.99
05		MLOWA	08/12/02	1855	4.91	20.00
06		MEDA	08/12/02	1922	4.91	20.01
07		MHIGHA	08/12/02	1950	4.91	20.00
08		HIGHA	08/12/02	2018	4.91	20.01
09		LOWB	08/12/02	2045		
10		MLOWB	08/12/02	2113		
11		MEDB	08/12/02	2140		
12		MHIGHB	08/12/02	2208		
13		HIGHB	08/12/02	2235		
14		2ND A	08/12/02	2303	4.91	19.99
15		2ND B	08/12/02	2330		
16		EVALB	08/12/02	2358	4.91	20.00
17		EVALB	08/13/02	1517	4.91	20.00
18		MEDA	08/13/02	1544	4.90	19.99
19		MEDB	08/13/02	1612		
20	MPT-1602-SS0	E5X8M1AE	08/13/02	1639	4.90	19.99
21	MPT-1602-SS0	E5X8P1AE	08/13/02	1829	4.91	19.99
22	MPT-1602-SB0	E5X8R1AE	08/13/02	1857	4.91	19.99
23	MPT-1602-SS0	E5X8V1AE	08/13/02	1925	4.90	19.99
24	MPT-1602-SB0	E5X811AE	08/13/02	1952	4.91	19.99
25	MPT-1602-SS0	E5X831AE	08/13/02	2020	4.90	19.99
26	MPT-1602-SBD	E5X9E1AE	08/13/02	2115	4.90	19.99
27	PBLK9467	E53LW1AA	08/14/02	0055	4.91	19.99
28		MEDA	08/14/02	0150	4.90	19.99
29		MEDB	08/14/02	0218		
30						
31						
32						

QC LIMITS
TCX = Tetrachloro-m-xylene (+/- 0.05 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.05 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII PEST OLM03.0

Report Date : 14-Aug-2002 09:34

6E
68904A
AJx-50

STL Pittsburgh

INITIAL CALIBRATION DATA

Start Cal Date : 12-AUG-2002 17:33
End Cal Date : 12-AUG-2002 22:35
Quant Method : ESTD
Origin : Disabled
Target Version : 4.04
Integrator : Falcon
Method file : \\qpitpa02\d\chem\gc4.i\7132-G.b\8081A.m
Cal Date : 14-Aug-2002 09:31 MatkoL
Curve Type : Average

Calibration File Names:
Level 1: \\qpitpa02\d\chem\gc4.i\7132-G.b\D-A7226.d
Level 2: \\qpitpa02\d\chem\gc4.i\7132-G.b\D-A7227.d
Level 3: \\qpitpa02\d\chem\gc4.i\7132-G.b\D-A7228.d
Level 4: \\qpitpa02\d\chem\gc4.i\7132-G.b\D-A7229.d
Level 5: \\qpitpa02\d\chem\gc4.i\7132-G.b\D-A7230.d

Compound	0.00500 Level 1	0.01000 Level 2	0.02500 Level 3	0.05000 Level 4	0.10000 Level 5	___ RRF	% RSD
71 HCCPD	+++++	+++++	+++++	+++++	+++++	+++++	+++++
68 Hexachlorobenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++
6 alpha-BHC	6588200	7139600	7488840	7483500	7495780	7239184	5.445
7 gamma-BHC (Lindane)	6416400	6924700	6920320	6891320	6803250	6791198	3.168
8 Chlordane(1)	+++++	+++++	201484	+++++	+++++	201484	0.000
(2)	+++++	+++++	307916	+++++	+++++	307916	0.000
(3)	+++++	+++++	700132	+++++	+++++	700132	0.000
(4)	+++++	+++++	549924	+++++	+++++	549924	0.000
10 beta-BHC	3211400	3266000	3230040	3085880	2939440	3146552	4.264
9 Heptachlor	5213600	5358800	5255480	5163880	5188080	5235968	1.463
11 delta-BHC	4264800	4681400	5177120	5412880	5449400	4997120	10.232
13 Aldrin	4342000	4574000	4825240	4846920	4800890	4677810	4.647
66 Dacthal	+++++	+++++	+++++	+++++	+++++	+++++	+++++
17 Heptachlor epoxide	5418800	5593300	5657720	5670960	5532920	5574740	1.850
18 gamma-Chlordane	5913200	6157000	6193360	6216960	6094360	6114976	1.994
19 alpha-Chlordane	6204400	6340500	6354720	6253240	6091850	6248942	1.721
20 Endosulfan I	6141800	6398500	6317960	6173720	6217060	6249808	1.702
70 Chlorbenside	+++++	+++++	+++++	+++++	+++++	+++++	+++++
22 4,4'-DDE	15671400	17042800	18318120	19151780	19693310	17975482	9.069
23 Dieldrin	6390200	6973600	7017360	7162900	7199810	6948774	4.697
26 Endrin	5692800	6096400	6023640	6091320	6136760	6008184	3.011
69 Kepone	+++++	+++++	+++++	+++++	+++++	+++++	+++++
29 4,4'-DDD	14490800	15115500	14541560	15892880	16524190	15312986	5.761
31 Endosulfan II	5228400	5328300	5602880	5685500	5621290	5493274	3.672
30 Toxaphene(1)	+++++	+++++	79000	+++++	+++++	79000	0.000
(2)	+++++	+++++	104518	+++++	+++++	104518	0.000
(3)	+++++	+++++	55844	+++++	+++++	55844	0.000
(4)	+++++	+++++	71379	+++++	+++++	71379	0.000

Report Date : 14-Aug-2002 09:34

6E
689044
RTX-5

STL Pittsburgh

INITIAL CALIBRATION DATA

Start Cal Date : 12-AUG-2002 17:33
End Cal Date : 12-AUG-2002 22:35
Quant Method : ESTD
Origin : Disabled
Target Version : 4.04
Integrator : Falcon
Method file : \\qpitpa02\d\chem\gc4.i\7132-G.b\8081A.m
Cal Date : 14-Aug-2002 09:31 MatkoL
Curve Type : Average

Compound	0.00500 Level 1	0.01000 Level 2	0.02500 Level 3	0.05000 Level 4	0.10000 Level 5	RRF	% RSD
32 4,4'-DDT	19908600	18397300	16129280	17724700	18198220	18071620	7.521
33 Endrin aldehyde	4162000	4267200	4341520	4232900	4101380	4221000	2.203
34 Endosulfan sulfate	3906600	4107900	4323360	4368680	4473660	4236040	5.365
35 Methoxychlor	2021100	2145650	2094920	2065210	2101265	2085629	2.212
67 Mirex	+++++	+++++	+++++	+++++	+++++	+++++	+++++
37 Endrin ketone	4203800	4437800	4689160	4705480	4670130	4541274	4.800
$ 2 Tetrachloro-m-xylene	5668800	5663700	5312320	4998220	4807480	5290104	7.331
$ 38 Decachlorobiphenyl	3711600	3831400	3546280	3332700	3171720	3518740	7.662

7D

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: METHODS

GC Column: RTX-50 ID: 0.53 (mm) Init. Calib. Date(s): 08/12/02 08/12/02

EPA Sample No. (PIBLK): _____ Date Analyzed : _____

Lab Sample ID (PIBLK): _____ Time Analyzed : _____

EPA Sample No. (PEM): Date Analyzed : 08/12/02

Lab Sample ID (PEM): EVALB Time Analyzed : 1705

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
Endrin	14.36	14.31	14.41	0.02219	0.02500	-11.2
4,4'-DDT	14.95	14.90	15.00	0.01985	0.02500	-20.6

4,4'-DDT % breakdown (1): ~~5.73~~ ~~8.0~~ 6.4 Endrin % breakdown (1): ~~2.16~~ ~~2.5~~ 1.8

Combined % breakdown (1): ~~7.89~~ ~~10.5~~ 8.2

WM
8/13/02

FORM VII PEST-1 OLM03.0

7D

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: METHODS

GC Column: RTX-50 ID: 0.53 (mm) Init. Calib. Date(s): 08/12/02 08/12/02

EPA Sample No.(PIBLK): _____ Date Analyzed :_____

Lab Sample ID (PIBLK): _____ Time Analyzed :_____

EPA Sample No.(PEM): Date Analyzed :08/12/02

Lab Sample ID (PEM): EVALB Time Analyzed :2358

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
Endrin	14.36	14.31	14.41	0.02288	0.02500	-8.5
4,4'-DDT	14.95	14.90	15.00	0.02241	0.02500	-10.4

4,4'-DDT % breakdown (1): ~~6.70~~ 6.3 Endrin % breakdown (1): ~~3.26~~ 2.5

Combined % breakdown (1): ~~9.97~~ 8.8

LM 8/18/02

FORM VII PEST-1 OLM03.0

7D
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: METHODS

GC Column: RTX-50 ID: 0.53 (mm) Init. Calib. Date(s): 08/12/02 08/12/02

EPA Sample No.(PIBLK): _____ Date Analyzed :_____

Lab Sample ID (PIBLK): _____ Time Analyzed :_____

EPA Sample No.(PEM): Date Analyzed :08/13/02

Lab Sample ID (PEM): EVALB Time Analyzed :1517

PEM COMPOUND	RT	RT WINDOW FROM	RT WINDOW TO	CALC AMOUNT (ng)	NOM AMOUNT (ng)	%D
Endrin	14.36	14.31	14.41	0.02540	0.02500	1.6
4,4'-DDT	14.95	14.90	15.00	0.02211	0.02500	-11.6

4,4'-DDT % breakdown (1): ~~8.58~~ 8.0 Endrin % breakdown (1): ~~3.62~~ 2.5

Combined % breakdown (1): ~~12.20~~ 10.5

LM
8/13/02

FORM VII PEST-1 OLM03.0

Data File: \\qpitpa02\d\chem\gc4.i\7132-G.b\D-A7267.d
Report Date: 30-Aug-2002 10:42

72
5860A
RTX-50

STL Pittsburgh

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gc4.i
Lab File ID: D-A7267.d
Analysis Type:
Lab Sample ID: MEDA
Method: \\QPITPA02\d\chem\gc4.i\7132-G.b\8081A.m

Injection Date: 13-AUG-2002 15:44
Init. Cal. Date(s): 12-AUG-2002 12-AUG-2002
Init. Cal. Times: 17:33 22:35
Quant Type: ESTD

	COMPOUND	RRF	RF0	MIN RRF	%D	MAX %D	
$	2 Tetrachloro-m-xylene	5290104	5360720	0.000	1.3	15.0	
	6 alpha-BHC	7239184	7539560	0.010	4.1	15.0	
	7 gamma-BHC (Lindane)	6791198	7248160	0.010	6.7	15.0	
	9 Heptachlor	5235968	5813920	0.010	11.0	15.0	
	20 Endosulfan I	6249808	6630080	0.010	6.1	15.0	
	23 Dieldrin	6948774	7360120	0.010	5.9	15.0	
	26 Endrin	6008184	6560520	0.010	9.2	15.0	
	29 4,4'-DDD	4881934	5599600	0.010	14.7	15.0	
	32 4,4'-DDT	5323632	5632800	0.010	5.8	15.0	
	35 Methoxychlor	2085629	2492440	0.010	19.5	15.0	<-
$	38 Decachlorobiphenyl	3518740	3596880	0.010	2.2	15.0	

Data File: \\qpitpa02\d\chem\gc4.i\7132-G.b\D-A7268.d
Report Date: 30-Aug-2002 10:43

72
58904A
RTX 50

STL Pittsburgh

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gc4.i
Lab File ID: D-A7268.d
Analysis Type:
Lab Sample ID: MEDB
Method: \\QPITPA02\d\chem\gc4.i\7132-G.b\8081A.m

Injection Date: 13-AUG-2002 16:12
Init. Cal. Date(s): 12-AUG-2002 12-AUG-2002
Init. Cal. Times: 17:33 22:35
Quant Type: ESTD

COMPOUND	RRF	RF0	MIN RRF	%D	MAX %D	
10 beta-BHC	3146552	3388080	0.010	7.7	15.0	
11 delta-BHC	4997120	5775160	0.010	15.6	15.0	<-
13 Aldrin	4677810	4891920	0.010	4.6	15.0	
17 Heptachlor epoxide	5574740	6000080	0.010	7.6	15.0	
18 gamma-Chlordane	6114976	6533000	0.010	6.8	15.0	
19 alpha-Chlordane	6248942	6696720	0.010	7.2	15.0	
22 4,4'-DDE	5838774	6658040	0.010	14.0	15.0	
31 Endosulfan II	5493274	5830520	0.010	6.1	15.0	
33 Endrin aldehyde	4221000	4378360	0.010	3.7	15.0	
34 Endosulfan sulfate	4236040	4639720	0.010	9.5	15.0	
37 Endrin ketone	4541274	4870240	0.010	7.2	15.0	

7.22

AVER

Data File: \\qpitpa02\d\chem\gc4.i\7132-G.b\D-A7289.d
Report Date: 30-Aug-2002 11:07

72
589041
RTX-50

STL Pittsburgh

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gc4.i
Lab File ID: D-A7289.d
Analysis Type:
Lab Sample ID: MEDA
Method: \\QPITPA02\d\chem\gc4.i\7132-G.b\8081A.m

Injection Date: 14-AUG-2002 01:50
Init. Cal. Date(s): 12-AUG-2002 12-AUG-2002
Init. Cal. Times: 17:33 22:35
Quant Type: ESTD

COMPOUND	RRF	RF0	MIN RRF	%D	MAX %D	
$ 2 Tetrachloro-m-xylene	5290104	5239640	0.000	-1.0	15.0	
6 alpha-BHC	7239184	7424800	0.010	2.6	15.0	
7 gamma-BHC (Lindane)	6791198	7037160	0.010	3.6	15.0	
9 Heptachlor	5235968	5662920	0.010	8.2	15.0	
20 Endosulfan I	6249808	6302960	0.010	0.9	15.0	
23 Dieldrin	6948774	7101040	0.010	2.2	15.0	
26 Endrin	6008184	6460160	0.010	7.5	15.0	
29 4,4'-DDD	4881934	5450320	0.010	11.6	15.0	
32 4,4'-DDT	5323632	5414400	0.010	1.7	15.0	
35 Methoxychlor	2085629	2450640	0.010	17.5	15.0	<-
$ 38 Decachlorobiphenyl	3518740	3686200	0.010	4.8	15.0	

Data File: \\qpitpa02\d\chem\gc4.i\7132-G.b\D-A7290.d
Report Date: 30-Aug-2002 11:07

7E
58804A
HTx5

STL Pittsburgh

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gc4.i
Lab File ID: D-A7290.d
Analysis Type:
Lab Sample ID: MEDB
Method: \\QPITPA02\d\chem\gc4.i\7132-G.b\8081A.m

Injection Date: 14-AUG-2002 02:18
Init. Cal. Date(s): 12-AUG-2002 12-AUG-2002
Init. Cal. Times: 17:33 22:35
Quant Type: ESTD

COMPOUND	RRF	RF0	MIN RRF	%D	MAX %D
10 beta-BHC	3146552	3338440	0.010	6.1	15.0
11 delta-BHC	4997120	5710840	0.010	14.3	15.0
13 Aldrin	4677810	4825080	0.010	3.1	15.0
17 Heptachlor epoxide	5574740	5951280	0.010	6.8	15.0
18 gamma-Chlordane	6114976	6442680	0.010	5.4	15.0
19 alpha-Chlordane	6248942	6484920	0.010	3.8	15.0
22 4,4'-DDE	5838774	6561360	0.010	12.4	15.0
31 Endosulfan II	5493274	5715240	0.010	4.0	15.0
33 Endrin aldehyde	4221000	4294480	0.010	1.7	15.0
34 Endosulfan sulfate	4236040	4540640	0.010	7.2	15.0
37 Endrin ketone	4541274	4747960	0.010	4.6	15.0

AVE = 5.5

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

MPT-1602
-SB02-05

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: C2H060115

Lab Sample ID: E5X811AE Date(s) Analyzed: 08/13/02 08/13/02

Instrument ID (1): GC4 Instrument ID (2): GC4

GC Column(1): RTX-50 ID: 0.53(mm) GC Column(2): RTX-1701 ID: 0.53(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
4,4'-DDE	1	13.73	13.68	13.78	0.7333	
	2	13.47	13.43	13.53	0.9608	31.0
4,4'-DDT	1	14.94	14.90	15.00	1.517	
	2	14.77	14.72	14.82	1.121	35.3
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1 OLM03.0

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

MPT-1602-
SBDUP01-05

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: C2H060115

Lab Sample ID: E5X9E1AE Date(s) Analyzed: 08/13/02 08/13/02

Instrument ID (1): GC4 Instrument ID (2): GC4

GC Column(1): RTX-50 ID: 0.53(mm) GC Column(2): RTX-1701 ID: 0.53(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
4,4'-DDE	1	13.73	13.68	13.78	1.685	
	2	13.47	13.43	13.53	1.868	10.9
4,4'-DDT	1	14.95	14.90	15.00	2.991	
	2	14.77	14.72	14.82	2.448	22.2
Endrin aldehyde	1	15.11	15.06	15.16	0.3684	
	2	15.21	15.14	15.24	0.4665	26.6
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1 OLM03.0

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

MPT-1602
-SB04-05

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: C2H060115

Lab Sample ID: E5X8R1AE Date(s) Analyzed: 08/13/02 08/13/02

Instrument ID (1): GC4 Instrument ID (2): GC4

GC Column(1): RTX-50 ID: 0.53(mm) GC Column(2): RTX-1701 ID: 0.53(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
4,4'-DDE	1	13.73	13.68	13.78	0.3380	
	2	13.48	13.43	13.53	0.3694	9.3
4,4'-DDT	1	14.95	14.90	15.00	1.621	
	2	14.77	14.72	14.82	0.8510	90.5
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1 OLM03.0

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

MPT-1602
-SS01-01

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: C2H060115

Lab Sample ID: E5X8M1AE Date(s) Analyzed: 08/13/02 08/13/02

Instrument ID (1): GC4 Instrument ID (2): GC4

GC Column(1): RTX-50 ID: 0.53(mm) GC Column(2): RTX-1701 ID: 0.53(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
Dieldrin	1	13.83	13.78	13.88	3.899	
	2	13.71	13.68	13.78	4.176	7.1
4,4'-DDE	1	13.73	13.68	13.78	0.3216	
	2	13.47	13.43	13.53	0.4684	45.6
Endosulfan II	1	14.59	14.57	14.67	0.5103	
	2	14.63	14.58	14.68	0.8797	72.4
4,4'-DDD	1	14.52	14.47	14.57	1.158	
	2	14.58	14.49	14.59	0.7851	47.5
4,4'-DDT	1	14.94	14.90	15.00	2.421	
	2	14.77	14.72	14.82	1.289	87.8
alpha-Chlordane	1	13.27	13.22	13.32	0.5686	
	2	13.31	13.24	13.34	0.2531	124.6
gamma-Chlordane	1	12.96	12.90	13.00	0.2434	
VM 9/3/02	2	13.20	13.14	13.24	0.1031	136.1
	1					
	2					

FORM X PEST-1 OLM03.0

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

MPT-1602
-SS02-01

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: C2H060115

Lab Sample ID: E5X8V1AE Date(s) Analyzed: 08/13/02 08/13/02

Instrument ID (1): GC4 Instrument ID (2): GC4

GC Column(1): RTX-50 ID: 0.53(mm) GC Column(2): RTX-1701 ID: 0.53(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
4,4'-DDE	1	13.73	13.68	13.78	4.125	
	2	13.47	13.43	13.53	4.684	13.6
4,4'-DDD	1	14.52	14.47	14.57	1.856	
	2	14.58	14.49	14.59	1.185	56.6
4,4'-DDT	1	14.94	14.90	15.00	9.454	
	2	14.77	14.72	14.82	9.127	3.6
alpha-Chlordane	1	13.27	13.22	13.32	0.5431	
	2	13.31	13.24	13.34	0.1167	365.4
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

WM 9/3/02

FORM X PEST-1 OLM03.0

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

MPT-1602
-SS03-01

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: C2H060115

Lab Sample ID: E5X831AE Date(s) Analyzed: 08/13/02 08/13/02

Instrument ID (1): GC4 Instrument ID (2): GC4

GC Column(1): RTX-50 ID: 0.53(mm) GC Column(2): RTX-1701 ID: 0.53(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
Dieldrin	1	~~13.83~~	~~13.78~~	~~13.88~~	0.08778	
	2	~~13.73~~	~~13.68~~	13.78	0.1910	117.6
4,4'-DDT	1	14.94	14.90	15.00	1.747	
	2	14.77	14.72	14.82	0.3109	461.9
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					
	1					
	2					

pm 9/3/02

FORM X PEST-1

OLM03.0

10A
PESTICIDE IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

EPA SAMPLE NO.

MPT-1602
-SS04-01

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: C2H060115

Lab Sample ID: E5X8P1AE Date(s) Analyzed: 08/13/02 08/13/02

Instrument ID (1): GC4 Instrument ID (2): GC4

GC Column(1): RTX-50 ID: 0.53(mm) GC Column(2): RTX-1701 ID: 0.53(mm)

ANALYTE	COL	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	%D
4,4'-DDE	1	13.73	13.68	13.78	1.058	
	2	13.47	13.43	13.53	1.529	44.5
4,4'-DDD	1	14.52	14.47	14.57	1.459	
	2	14.58	14.49	14.59	1.168	24.9
4,4'-DDT	1	14.95	14.90	15.00	7.180	
	2	14.77	14.72	14.82	6.378	12.6
Endrin aldehyde	1	15.09	15.06	15.16	0.5901	
	2	15.19	15.14	15.24	0.3250	81.6
alpha-Chlordane	1	13.27	13.22	13.32	0.5157	
MM 9/3/02	2	13.32	13.24	13.34	0.1171	340.4
	1					
	2					
	1					
	2					
	1					
	2					

FORM X PEST-1 OLM03.0

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: C2H060115	**Work Order #...:** E53LW1AA	**Matrix.....:** SOLID
MB Lot-Sample #: C2H070000-467		
	Prep Date.....: 08/07/02	**Analysis Time..:** 00:55
Analysis Date..: 08/14/02	**Prep Batch #...:** 2219467	**Final Wgt/Vol..:** 10 mL
Dilution Factor: 1	**Initial Wgt/Vol:** 30 g	**Instrument ID..:** G/H
	Analyst ID.....: 010139	

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
alpha-BHC	ND	1.7	ug/kg	SW846 8081A
beta-BHC	ND	1.7	ug/kg	SW846 8081A
delta-BHC	ND	1.7	ug/kg	SW846 8081A
gamma-BHC (Lindane)	ND	1.7	ug/kg	SW846 8081A
Heptachlor	ND	1.7	ug/kg	SW846 8081A
Aldrin	ND	1.7	ug/kg	SW846 8081A
Heptachlor epoxide	ND	1.7	ug/kg	SW846 8081A
Endosulfan I	ND	1.7	ug/kg	SW846 8081A
Dieldrin	ND	1.7	ug/kg	SW846 8081A
4,4'-DDE	ND	1.7	ug/kg	SW846 8081A
Endrin	ND	1.7	ug/kg	SW846 8081A
Endrin ketone	ND	1.7	ug/kg	SW846 8081A
Endrin aldehyde	ND	1.7	ug/kg	SW846 8081A
Endosulfan II	ND	1.7	ug/kg	SW846 8081A
4,4'-DDD	ND	1.7	ug/kg	SW846 8081A
Endosulfan sulfate	ND	1.7	ug/kg	SW846 8081A
4,4'-DDT	ND	1.7	ug/kg	SW846 8081A
Methoxychlor	ND	3.3	ug/kg	SW846 8081A
alpha-Chlordane	ND	1.7	ug/kg	SW846 8081A
gamma-Chlordane	ND	1.7	ug/kg	SW846 8081A
Toxaphene	ND	67	ug/kg	SW846 8081A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	65	(31 - 131)
Decachlorobiphenyl	67	(18 - 145)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

2F
SOIL PESTICIDE SURROGATE RECOVERY

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: C2H060115

GC Column(1): RTX-50 ID: 0.53 (mm) GC Column(2): RTX-1701 ID: 0.53 (mm)

	EPA SAMPLE NO.	TCX 1 %REC #	TCX 2 %REC #	DCB 1 %REC #	DCB 2 %REC #	OTHER (1)	OTHER (2)	TOT OUT
01	MPT-1602-SS0	71	77	88	89			0
02	MPT-1602-SB0		68		91			0
03	MPT-1602-SB0		62		87			0
04	MPT-1602-SB0		69		85			0
05	MPT-1602-SS0	74	77	85	86			0
06	MPT-1602-SB0	68	71	84	84			0
07	MPT-1602-SS0	72	76	82	84			0
08	MPT-1602-SB0	56	59	87	89			0
09	MPT-1602-SS0	75	76	80	83			0
10	MPT-1602-SB0		71		87			0
11	MPT-1602-SBD	67	70	84	85			0
12	PBLK9467	58	65	66	67			0
13	LCS9467		81		78			0
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

ADVISORY
QC LIMITS

S1 (TCX) = Tetrachloro-m-xylene (31-131)
S2 (DCB) = Decachlorobiphenyl (18-145)

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

SW846 8081A CHECK SAMPLE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: TETRA TECH NUS INC

Lab Code: STLPIT SDG No:

Lot #: C2H070000 WO #: E53LW1AC
BATCH: 2219467

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENT. (ug/kg)	% REC	QC LIMITS REC	QUAL
gamma-BHC (Lindane)	8.33	6.51	78	47- 130	
Heptachlor	8.33	6.43	77	39- 126	
Aldrin	8.33	6.94	83	39- 122	
Dieldrin	16.7	12.7	76	45- 128	
Endrin	16.7	12.6	76	47- 133	
4,4'-DDT	16.7	13.0	78	35- 144	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 6 outside limits

COMMENTS:

FORM III

SW846 8081A MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: TETRA TECH NUS INC

Lab Code: STLPIT SDG No:

Matrix Spike ID: MPT-1602-SB01-05 Level:(low/med) LOW

Lot #: C2H060115 WO #: E5X8N1AT
BATCH: 2219467

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENT. (ug/kg)	MS CONCENT. (ug/kg)	MS % REC	LIMITS REC	QUAL
gamma-BHC (Lindane)	9.38	ND	6.39	68	33 - 130	
Heptachlor	9.38	ND	6.71	72	32 - 128	
Aldrin	9.38	ND	7.31	78	33 - 122	
Dieldrin	18.8	ND	14.0	75	33 - 133	
Endrin	18.8	ND	13.9	74	33 - 138	
4,4'-DDT	18.8	ND	14.7	79	23 - 144	

NOTES(S):

Results and reporting limits have been adjusted for dry weight.

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 6 outside limits

COMMENTS:

FORM III

SW846 8081A MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: TETRA TECH NUS INC

Lab Code: STLPIT SDG No:

Matrix Spike ID: MPT-1602-SB01-05 Level:(low/med) LOW

Lot #: C2H060115 WO #: E5X8N1AU
BATCH: 2219467

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENT. (ug/kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	QUAL
gamma-BHC (Lindane)	9.38	7.43	79	15	36	33- 130	
Heptachlor	9.38	7.80	83	15	44	32- 128	
Aldrin	9.38	8.43	90	14	40	33- 122	
Dieldrin	18.8	15.6	83	11	33	33- 133	
Endrin	18.8	15.9	85	13	38	33- 138	
4,4'-DDT	18.8	16.9	90	14	42	23- 144	

NOTES(S):

Results and reporting limits have been adjusted for dry weight.

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 6 outside limits
Spike Recovery: 0 out of 6 outside limits

COMMENTS:

FORM III

TETRA TECH NUS, INC. **CALCULATION WORKSHEET** PAGE ____ OF ____

CLIENT Mayport CTO-267/190		JOB NUMBER Job-2868 SDG-60115	
SUBJECT Sample Calculation			
BASED ON		DRAWING NUMBER	
BY Bernard F Spada III	CHECKED BY	APPROVED BY	DATE 30-Sep-02

Sample MPT-1602-SS02-01

4,4'-DDT = 9.7 ug/kg

$$4,4'\text{-DDT} = \frac{(713\,ng)(10000\,mL)}{(2604524)(30g)(1\,mL)(0.94)} = 9.71\,ng/g = ug/kg$$

TETRA TECH NUS INC

Client Sample ID: MPT-1602-SS02-01

GC Semivolatiles

Lot-Sample #...:	C2H060115-005	Work Order #...:	E5X8V1AE	Matrix.....:	SOLID
Date Sampled...:	08/05/02	Date Received..:	08/06/02	MS Run #.....:	2219208
Prep Date.....:	08/07/02	Analysis Date..:	08/13/02		
Prep Batch #...:	2219467	Analysis Time..:	19:25		
Dilution Factor:	1	Initial Wgt/Vol:	30 g	Final Wgt/Vol..:	10 mL
% Moisture.....:	6.0	Analyst ID.....:	010139	Instrument ID..:	G/H
		Method.....:	SW846 8081A		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
alpha-BHC	ND	1.8	ug/kg	0.12
beta-BHC	ND	1.8	ug/kg	0.18
delta-BHC	ND	1.8	ug/kg	0.12
gamma-BHC (Lindane)	ND	1.8	ug/kg	0.16
Heptachlor	ND	1.8	ug/kg	0.20
Aldrin	ND	1.8	ug/kg	0.16
Heptachlor epoxide	ND	1.8	ug/kg	0.13
Endosulfan I	ND	1.8	ug/kg	0.30
Dieldrin	ND	1.8	ug/kg	0.13
4,4'-DDE	**4.4**	**1.8**	**ug/kg**	**0.13**
Endrin	ND	1.8	ug/kg	0.14
Endrin ketone	ND	1.8	ug/kg	0.22
Endrin aldehyde	ND	1.8	ug/kg	0.14
Endosulfan II	ND	1.8	ug/kg	0.17
4,4'-DDD	**1.3 J,PG**	**1.8**	**ug/kg**	**0.43**
Endosulfan sulfate	ND	1.8	ug/kg	0.18
4,4'-DDT	**9.7**	**1.8**	**ug/kg**	**0.15**
Methoxychlor	ND	3.5	ug/kg	0.52
alpha-Chlordane	ND	1.8	ug/kg	0.23
gamma-Chlordane	ND	1.8	ug/kg	0.17
Toxaphene	ND	71	ug/kg	3.3

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	76	(31 - 131)
Decachlorobiphenyl	84	(18 - 145)

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

J Estimated result. Result is less than RL.

PG The percent difference between the original and confirmation analyses is greater than 40%.

Data File: \\qpitpa02\d\chem\gc4.i\7132-G.b\D-B7275.d
Report Date: 14-Aug-2002 09:13

STL Pittsburgh

Data file : \\qpitpa02\d\chem\gc4.i\7132-G.b\D-B7275.d
Lab Smp Id: E5X8V1AE Client Smp ID: MPT-1602-SS02-01
Inj Date : 13-AUG-2002 19:25
Operator : 010139 Inst ID: gc4.i
Smp Info : E5X8V1AE,7052-G.b,,PEST.sub,,,
Misc Info : 060115-5
Comment : 8081 Analysis
Method : \\qpitpa02\d\chem\gc4.i\7132-G.b\8081B.m
Meth Date : 14-Aug-2002 08:43 MatkoL Quant Type: ESTD
Cal Date : 12-AUG-2002 22:35 Cal File: D-B7230.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: PEST.sub
Target Version: 4.04
Processing Host: PITPC018

Concentration Formula: Amt * DF * (Vt/Vi)*(1/Ws)

Name	Value	Description
DF	1.000	Dilution Factor
Vt	10000.000	Volume of final extract
Vi	1.000	volume injected
Ws	30.000	initial volume of sample

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	FINAL (ug/Kg)
$ 2 Tetrachloro-m-xylene	4.793	4.806	-0.013	39076	0.01518	5.060
6 alpha-BHC	Compound Not Detected.					
7 gamma-BHC (Lindane)	Compound Not Detected.					
8 Chlordane	Compound Not Detected.					
9 Heptachlor	Compound Not Detected.					
13 Aldrin	Compound Not Detected.					
10 beta-BHC	11.240	11.193	0.047	3749	0.00240	0.7989(a)
11 delta-BHC	Compound Not Detected.					
17 Heptachlor epoxide	Compound Not Detected.					
20 Endosulfan I	Compound Not Detected.					
18 gamma-Chlordane	Compound Not Detected.					
19 alpha-Chlordane	13.313	13.293	0.020	1206	0.00035	0.1167(a)
22 4,4'-DDE	13.473	13.480	-0.007	44383	0.01405	4.684
23 Dieldrin	13.733	13.726	0.007	3199	<0.0	0.2865(a)
26 Endrin	Compound Not Detected.					

Data File: \\qpitpa02\d\chem\gc4.i\7132-G.b\D-B7275.d
Report Date: 14-Aug-2002 09:13

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ng)	CONCENTRATIONS FINAL (ug/Kg)
29 4,4'-DDD	14.580	14.540	0.040	8606	0.00356	1.185(a)
30 Toxaphene	Compound Not Detected.					
31 Endosulfan II	Compound Not Detected.					
32 4,4'-DDT	14.766	14.773	-0.007	71315	0.02738	9.127
33 Endrin aldehyde	Compound Not Detected.					
35 Methoxychlor	Compound Not Detected.					
34 Endosulfan sulfate	Compound Not Detected.					
37 Endrin ketone	Compound Not Detected.					
$ 38 Decachlorobiphenyl	18.326	18.346	-0.020	33447	0.01675	5.583

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).

Report Date : 14-Aug-2002 08:28

6 E
58804B
ATX-1701

STL Pittsburgh

INITIAL CALIBRATION DATA

Start Cal Date : 12-AUG-2002 17:33
End Cal Date : 12-AUG-2002 22:35
Quant Method : ESTD
Origin : Disabled
Target Version : 4.04
Integrator : Falcon
Method file : \\qpitpa02\d\chem\gc4.i\7132-G.b\8081B.m
Cal Date : 14-Aug-2002 08:26 MatkoL
Curve Type : Average

Calibration File Names:
Level 1: \\qpitpa02\d\chem\gc4.i\7132-G.b\D-B7226.d
Level 2: \\qpitpa02\d\chem\gc4.i\7132-G.b\D-B7227.d
Level 3: \\qpitpa02\d\chem\gc4.i\7132-G.b\D-B7228.d
Level 4: \\qpitpa02\d\chem\gc4.i\7132-G.b\D-B7229.d
Level 5: \\qpitpa02\d\chem\gc4.i\7132-G.b\D-B7230.d

Compound	0.00500 Level 1	0.01000 Level 2	0.02500 Level 3	0.05000 Level 4	0.10000 Level 5	RRF	% RSD
70 HCCPD	+++++	+++++	+++++	+++++	+++++	+++++	+++++
67 Hexachlorobenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++
6 alpha-BHC	3538200	3892000	4029200	4083160	4017050	3911922	5.632
7 gamma-BHC (Lindane)	3365800	3679800	3763880	3752140	3668120	3645948	4.450
8 Chlordane(1)	+++++	+++++	578764	+++++	+++++	578764	0.000
(2)	+++++	+++++	1116684	+++++	+++++	1116684	0.000
(3)	+++++	+++++	1211824	+++++	+++++	1211824	0.000
(4)	+++++	+++++	1831696	+++++	+++++	1831696	0.000
9 Heptachlor	3459800	3605200	3568720	3480060	3401880	3503132	2.362
13 Aldrin	2704400	2856300	3010680	3004120	2913590	2897818	4.345
10 beta-BHC	1497000	1575400	1607720	1597340	1544010	1564294	2.866
68 Dacthal	+++++	+++++	+++++	+++++	+++++	+++++	+++++
11 delta-BHC	2712400	2985100	3256680	3413540	3350130	3143570	9.266
17 Heptachlor epoxide	3218800	3281900	3336440	3254860	3151310	3248662	2.134
20 Endosulfan I	3492800	3563000	3476560	3362360	3307790	3440502	3.005
69 Chlorbenside	+++++	+++++	+++++	+++++	+++++	+++++	+++++
18 gamma-Chlordane	3365200	3464200	3508200	3436060	3366240	3427980	1.820
19 alpha-Chlordane	3499200	3509900	3471000	3441900	3304220	3445244	2.413
22 4,4'-DDE	3050800	3150400	3189560	3214220	3186940	3158384	2.036
23 Dieldrin	3737200	3797500	3729240	3706120	3640030	3722018	1.529
26 Endrin	3240200	3291300	3237120	3205040	3166830	3228098	1.429
30 Toxaphene(1)	+++++	+++++	53154	+++++	+++++	53154	0.000
(2)	+++++	+++++	65379	+++++	+++++	65379	0.000
(3)	+++++	+++++	71429	+++++	+++++	71429	0.000
(4)	+++++	+++++	56218	+++++	+++++	56218	0.000
29 4,4'-DDD	2363800	2418100	2403920	2433480	2483460	2420552	1.804

Report Date : 14-Aug-2002 08:28

6E
58804D
RTx-1701

STL Pittsburgh

INITIAL CALIBRATION DATA

Start Cal Date : 12-AUG-2002 17:33
End Cal Date : 12-AUG-2002 22:35
Quant Method : ESTD
Origin : Disabled
Target Version : 4.04
Integrator : Falcon
Method file : \\qpitpa02\d\chem\gc4.i\7132-G.b\8081B.m
Cal Date : 14-Aug-2002 08:26 MatkoL
Curve Type : Average

Compound	0.00500 Level 1	0.01000 Level 2	0.02500 Level 3	0.05000 Level 4	0.10000 Level 5	RRF	% RSD
31 Endosulfan II	2711600	2765800	2719240	2731580	2690000	2723644	1.028
32 4,4'-DDT	2554400	2623000	2576480	2610880	2657860	2604524	1.551
33 Endrin aldehyde	1294400	1352500	1381120	1418240	1406000	1370452	3.606
35 Methoxychlor	1116500	1192300	1192080	1177730	1197850	1175292	2.867
66 Mirex	+++++	+++++	+++++	+++++	+++++	+++++	+++++
34 Endosulfan sulfate	1686600	1762800	1827880	1876160	1900810	1810850	4.814
37 Endrin ketone	2130400	2205900	2267760	2269260	2243160	2223296	2.605
$ 2 Tetrachloro-m-xylene	2751800	2754800	2592200	2448980	2323550	2574266	7.345
$ 38 Decachlorobiphenyl	2037400	2090900	2016920	1946780	1892830	1996966	3.897

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: C2H060115

GC Column: DB1701 ID: 0.53 (mm) Init. Calib. Date(s): 08/07/02 08/07/02

Instrument ID: GC11

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 2.31 DCB: 13.84

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01		M2154	08/07/02	1213	2.31	13.88
02		M1232	08/07/02	1234		
03		M1242	08/07/02	1255		
04		M1248	08/07/02	1317		
05		L1660	08/07/02	1338	2.31	13.88
06		ML1660	08/07/02	1359	2.31	13.88
07		M1660	08/07/02	1420	2.30	13.88
08		MH1660	08/07/02	1441	2.30	13.88
09		H1660	08/07/02	1503	2.30	13.87
10		2ND2154	08/07/02	1524	2.33	
11		2ND1232	08/07/02	1545		
12		2ND1242	08/07/02	1606		
13		2ND1248	08/07/02	1627		
14		2ND1660	08/07/02	1648		
15		M1660	08/14/02	0402	2.30	13.83
16	MPT-1602-SS0	E5X8M1AF	08/14/02	0816	2.30	13.83
17	MPT-1602-SB0	E5X8N1AF	08/14/02	0837	2.30	13.83
18	MPT-1602-SB0	E5X8N1AV	08/14/02	0859	2.30	13.83
19	MPT-1602-SB0	E5X8N1AW	08/14/02	0920	2.30	13.83
20	MPT-1602-SS0	E5X8P1AF	08/14/02	0941	2.30	13.83
21	MPT-1602-SB0	E5X8R1AF	08/14/02	1003	2.30	13.83
22	MPT-1602-SS0	E5X8V1AF	08/14/02	1024	2.30	13.83
23	PBLK9477	E53MX1AA	08/14/02	1045	2.30	13.83
24	LCS9477	E53MX1AC	08/14/02	1106	2.30	13.83
25		M1660	08/14/02	1128	2.30	13.83
26	MPT-1602-SB0	E5X811AF	08/14/02	1149	2.30	13.83
27	MPT-1602-SS0	E5X831AF	08/14/02	1211	2.29	13.82
28	MPT-1602-SB0	E5X8R1AF	08/14/02	1232	2.30	13.82
29	MPT-1602-SBD	E5X9E1AF	08/14/02	1253	2.30	13.82
30		M1660	08/14/02	1815	2.30	13.83
31						
32						

QC LIMITS
TCX = Tetrachloro-m-xylene (+/- 0.05 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

GE
HR58501lV
DE 8/7/02 DB 17/21

STL Pittsburgh

INITIAL CALIBRATION DATA

Start Cal Date : 07-AUG-2002 12:13
End Cal Date : 07-AUG-2002 15:03
Quant Method : ESTD
Origin : Disabled
Target Version : 4.04
Integrator : Falcon
Method file : \\QPITPA02\d\chem\gc11.i\7072-c.b\PCBB.m
Cal Date : 07-Aug-2002 18:11 eppingerd
Curve Type : Average

Calibration File Names:
Level 1: \\QPITPA02\d\chem\gc11.i\7072-c.b\V-A7234.d
Level 2: \\QPITPA02\d\chem\gc11.i\7072-c.b\V-A7235.d
Level 3: \\QPITPA02\d\chem\gc11.i\7072-c.b\V-A7236.d
Level 4: \\QPITPA02\d\chem\gc11.i\7072-c.b\V-A7237.d
Level 5: \\QPITPA02\d\chem\gc11.i\7072-c.b\V-A7238.d

Compound	0.00500 Level 1	0.01000 Level 2	0.02500 Level 3	0.05000 Level 4	0.10000 Level 5	RRF	% RSD	
51 Chlordane(1)	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
(2)	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
(3)	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
(4)	+++++	+++++	+++++	+++++	+++++	+++++	+++++	<-
8 Aroclor-1221(1)	+++++	+++++	35148	+++++	+++++	35148	0.000	
(2)	+++++	+++++	24860	+++++	+++++	24860	0.000	
(3)	+++++	+++++	76808	+++++	+++++	76808	0.000	
14 Aroclor-1232(1)	+++++	+++++	54362	+++++	+++++	54362	0.000	
(2)	+++++	+++++	46518	+++++	+++++	46518	0.000	
(3)	+++++	+++++	89610	+++++	+++++	89610	0.000	
(4)	+++++	+++++	37142	+++++	+++++	37142	0.000	
15 Aroclor-1242(1)	+++++	+++++	81994	+++++	+++++	81994	0.000	
(2)	+++++	+++++	160536	+++++	+++++	160536	0.000	
(3)	+++++	+++++	67502	+++++	+++++	67502	0.000	
(4)	+++++	+++++	65028	+++++	+++++	65028	0.000	
(5)	+++++	+++++	68030	+++++	+++++	68030	0.000	
20 Aroclor-1016(1)	76600	66850	57474	52371	44997	59658	20.726	<-
(2)	141540	120040	102502	90829	77728	106528	23.471	<-
(3)	281280	232475	199172	181954	162454	211467	22.104	<-
(4)	110780	97060	85076	77838	68420	87835	18.846	<-
(5)	103160	91725	80964	74054	66227	83226	17.493	<-
21 Aroclor-1248(1)	+++++	+++++	138792	+++++	+++++	138792	0.000	
(2)	+++++	+++++	97734	+++++	+++++	97734	0.000	
(3)	+++++	+++++	91448	+++++	+++++	91448	0.000	
(4)	+++++	+++++	126610	+++++	+++++	126610	0.000	
(5)	+++++	+++++	96386	+++++	+++++	96386	0.000	

GE
HP5890 11V
DB1721

STL Pittsburgh

INITIAL CALIBRATION DATA

Start Cal Date : 07-AUG-2002 12:13
End Cal Date : 07-AUG-2002 15:03
Quant Method : ESTD
Origin : Disabled
Target Version : 4.04
Integrator : Falcon
Method file : \\QPITPA02\d\chem\gc11.i\7072-c.b\PCBB.m
Cal Date : 07-Aug-2002 18:11 eppingerd
Curve Type : Average

Compound	0.00500 Level 1	0.01000 Level 2	0.02500 Level 3	0.05000 Level 4	0.10000 Level 5	___ RRF	% RSD
33 Aroclor-1254(1)	+++++	+++++	63712	+++++	+++++	63712	0.000
(2)	+++++	+++++	127862	+++++	+++++	127862	0.000
(3)	+++++	+++++	111940	+++++	+++++	111940	0.000
(4)	+++++	+++++	162480	+++++	+++++	162480	0.000
(5)	+++++	+++++	115900	+++++	+++++	115900	0.000
36 Aroclor-1260(1)	150420	130035	114182	106113	98362	119822	17.310
(2)	175240	153520	135974	127184	118906	142165	15.833
(3)	109880	108455	99550	95330	91133	100870	8.084
(4)	230080	220825	208092	201032	194729	210952	6.841
(5)	121340	121290	114764	111008	106329	114946	5.687
$ 1 Tetrachloro-m-xylene	3644000	3310600	2998200	2821820	2492280	3053380	14.522
$ 34 Decachlorobiphenyl	1614400	1586300	1466840	1407560	1335170	1482054	7.965

Avg 14.9%
RSD

72 HP589011V

STL Pittsburgh

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gc11.i
Lab File ID: V-A7484.d
Analysis Type:
Lab Sample ID: M1660
Method: \\QPITPA02\d\chem\gc11.i\7072-c.b\PCBB.m

Injection Date: 14-AUG-2002 04:02
Init. Cal. Date(s): 07-AUG-2002 07-AUG-2002
Init. Cal. Times: 12:13 15:03
Quant Type: ESTD

COMPOUND	RRF	RF0	MIN RRF	%D	MAX %D	
20 Aroclor-1016(1)	59658	64850	0.010	8.7	15.0	
(2)	106528	113406	0.010	6.5	15.0	
(3)	211467	222972	0.010	5.4	15.0	
(4)	87835	93904	0.010	6.9	15.0	
(5)	83226	90528	0.010	8.8	15.0	
$ 1 Tetrachloro-m-xylene	3053380	3452600	0.000	13.1	15.0	
$ 34 Decachlorobiphenyl	1482054	1762360	0.010	18.9	15.0	<-
36 Aroclor-1260(1)	119822	130424	0.010	8.8	15.0	
(2)	142165	159190	0.010	12.0	15.0	
(3)	100870	115290	0.010	14.3	15.0	
(4)	210952	252066	0.010	19.5	15.0	<-
(5)	114946	133710	0.010	16.3	15.0	<-

RS 11.67.D

7E HP5890IIV

Data File: \\QPITPA02\d\chem\gc11.i\7072-c.b\V-A7505.d D3172 Page 1
Report Date: 14-Aug-2002 11:55

STL Pittsburgh

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gc11.i
Lab File ID: V-A7505.d
Analysis Type:
Lab Sample ID: M1660
Method: \\QPITPA02\d\chem\gc11.i\7072-c.b\PCBB.m

Injection Date: 14-AUG-2002 11:28
Init. Cal. Date(s): 07-AUG-2002 07-AUG-2002
Init. Cal. Times: 12:13 15:03
Quant Type: ESTD

COMPOUND	RRF	RF0	MIN RRF	%D	MAX %D
20 Aroclor-1016(1)	59658	57922	0.010	-2.9	15.0
(2)	106528	101280	0.010	-4.9	15.0
(3)	211467	198044	0.010	-6.3	15.0
(4)	87835	82382	0.010	-6.2	15.0
(5)	83226	78186	0.010	-6.1	15.0
$ 1 Tetrachloro-m-xylene	3053380	3103840	0.000	1.7	15.0
$ 34 Decachlorobiphenyl	1482054	1474000	0.010	-0.5	15.0
36 Aroclor-1260(1)	119822	109966	0.010	-8.2	15.0
(2)	142165	133628	0.010	-6.0	15.0
(3)	100870	102308	0.010	1.4	15.0
(4)	210952	218532	0.010	3.6	15.0
(5)	114946	115270	0.010	0.3	15.0

7E HP5890 11V

STL Pittsburgh

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gc11.i
Lab File ID: V-A7524.d
Analysis Type:
Lab Sample ID: M1660
Method: \\QPITPA02\d\chem\gc11.i\7072-c.b\PCBB.m

Injection Date: 14-AUG-2002 18:15
Init. Cal. Date(s): 07-AUG-2002 07-AUG-2002
Init. Cal. Times: 12:13 15:03
Quant Type: ESTD

COMPOUND	RRF	RF0	MIN RRF	%D	MAX %D	
20 Aroclor-1016(1)	59658	58620	0.010	-1.7	15.0	
(2)	106528	100296	0.010	-5.8	15.0	
(3)	211467	188050	0.010	-11.1	15.0	
(4)	87835	75168	0.010	-14.4	15.0	
(5)	83226	70686	0.010	-15.1	15.0	<-
$ 1 Tetrachloro-m-xylene	3053380	3201200	0.000	4.8	15.0	
$ 34 Decachlorobiphenyl	1482054	1261440	0.010	-14.9	15.0	
36 Aroclor-1260(1)	119822	93132	0.010	-22.3	15.0	<-
(2)	142165	114042	0.010	-19.8	15.0	<-
(3)	100870	91884	0.010	-8.9	15.0	
(4)	210952	196540	0.010	-6.8	15.0	
(5)	114946	101606	0.010	-11.6	15.0	

Avg 11.4%D

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: C2H060115
MB Lot-Sample #: C2H070000-477

Analysis Date..: 08/14/02
Dilution Factor: 1

Work Order #...: E53MX1AA

Prep Date.....: 08/07/02
Prep Batch #...: 2219477
Initial Wgt/Vol: 30 g
Analyst ID.....: 001797

Matrix.....: SOLID

Analysis Time..: 10:45
Final Wgt/Vol..: 10 mL
Instrument ID..: U/V

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Aroclor 1016	ND	33	ug/kg	SW846 8082
Aroclor 1221	ND	33	ug/kg	SW846 8082
Aroclor 1232	ND	33	ug/kg	SW846 8082
Aroclor 1242	ND	33	ug/kg	SW846 8082
Aroclor 1248	ND	33	ug/kg	SW846 8082
Aroclor 1254	ND	33	ug/kg	SW846 8082
Aroclor 1260	ND	33	ug/kg	SW846 8082

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Tetrachloro-m-xylene	70	(31 - 127)
Decachlorobiphenyl	75	(23 - 141)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

SW846 8082 SURROGATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: TETRA TECH NUS INC

Lab Code: STLPIT SDG No:

Lot #: C2H060115

Extraction: XXA13QH01

	CLIENT ID.	SRG01	SRG02	TOT OUT
01	MPT-1602-SS01-01	77	88	00
02	MPT-1602-SB01-05	71	92	00
03	MPT-1602-SS04-01	82	92	00
04	MPT-1602-SB04-05	79	94	00
05	MPT-1602-SS02-01	80	93	00
06	MPT-1602-SB02-05	65	99	00
07	MPT-1602-SS03-01	83	98	00
08	MPT-1602-SB03-05	79	94	00
09	MPT-1602-SBDUP01-05	81	95	00
10	METHOD BLK. E53MX1AA	70	75	00
11	LCS E53MX1AC	83	84	00
12	MPT-1602-SB01-05 D	72	95	00
13	MPT-1602-SB01-05 S	80	102	00

SURROGATES		QC LIMITS
SRG01	= Tetrachloro-m-xylene	(31-127)
SRG02	= Decachlorobiphenyl	(23-141)

\# Column to be used to flag recovery values
* Values outside of required QC Limits
D System monitoring Compound diluted out

FORM II

SW846 8082 CHECK SAMPLE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: TETRA TECH NUS INC

Lab Code: STLPIT SDG No:

Lot #: C2H070000 WO #: E53MX1AC
BATCH: 2219477

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENT. (ug/kg)	% REC	QC LIMITS REC	QUAL
Aroclor 1016	333	231	69	49- 122	
Aroclor 1260	333	255	77	51- 127	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 2 outside limits

COMMENTS:

FORM III

SW846 8082 MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: TETRA TECH NUS INC

Lab Code: STLPIT SDG No:

Matrix Spike ID: MPT-1602-SB01-05 Level:(low/med) LOW

Lot #: C2H060115 WO #: E5X8N1AV
BATCH: 2219477

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENT. (ug/kg)	MS CONCENT. (ug/kg)	MS % REC	LIMITS REC	QUAL
Aroclor 1016	375	ND	294	78	26- 144	
Aroclor 1260	375	ND	352	94	37- 138	

NOTES(S):

Results and reporting limits have been adjusted for dry weight.

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 2 outside limits

COMMENTS:

FORM III

SW846 8082 MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: TETRA TECH NUS INC

Lab Code: STLPIT SDG No:

Matrix Spike ID: MPT-1602-SB01-05 Level:(low/med) LOW

Lot #: C2H060115 WO #: E5X8N1AW
BATCH: 2219477

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENT. (ug/kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	QUAL
Aroclor 1016	375	264	70	11	39	26- 144	
Aroclor 1260	375	315	84	11	33	37- 138	

NOTES(S):

Results and reporting limits have been adjusted for dry weight.

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 2 outside limits
Spike Recovery: 0 out of 2 outside limits

COMMENTS:

FORM III

8D
PESTICIDE ANALYTICAL SEQUENCE

Lab Name: Contract:

Lab Code: Case No.: SAS No.: SDG No.: C2H060115

GC Column: RTX-50 ID: 0.53 (mm) Init. Calib. Date(s): 08/19/02 08/19/02

Instrument ID: GC1

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
S1 : 10.97

	EPA SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	RT #
01		LHERB	08/19/02	2031	10.97	
02		MLHERB	08/19/02	2104	10.97	
03		MHERB	08/19/02	2137	10.97	
04		MHHERB	08/19/02	2210	10.96	
05		HHERB	08/19/02	2244	10.96	
06		2NDHERB	08/19/02	2317	10.97	
07	MPT-1602-SS0	E5X8M1AG	08/20/02	0342	10.97	
08	MPT-1602-SB0	E5X8N1AG	08/20/02	0415	10.97	
09	MPT-1602-SS0	E5X8P1AG	08/20/02	0448	10.97	
10	MPT-1602-SS0	E5X8P1AT	08/20/02	0521	10.97	
11	MPT-1602-SS0	E5X8P1AU	08/20/02	0554	10.97	
12	MPT-1602-SB0	E5X8R1AG	08/20/02	0627	10.97	
13	MPT-1602-SS0	E5X8V1AG	08/20/02	0700	10.97	
14	MPT-1602-SB0	E5X811AG	08/20/02	0733	10.97	
15	MPT-1602-SS0	E5X831AG	08/20/02	0806	10.96	
16	MPT-1602-SB0	E5X891AG	08/20/02	0839	10.96	
17	MPT-1602-SBD	E5X9E1AG	08/20/02	0912	10.96	
18	PBLK	E53N41AA	08/20/02	0945	10.96	
19	LCS	E53N41AC	08/20/02	1018	10.96	
20		MHERB	08/20/02	1051	10.96	
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						

S1 = DCAA

QC LIMITS
(+/- 0.05 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII PEST OLM03.0

Report Date : 20-Aug-2002 10:23

62
68901A
NX3

STL Pittsburgh

INITIAL CALIBRATION DATA

Start Cal Date : 19-AUG-2002 20:31
End Cal Date : 19-AUG-2002 22:44
Quant Method : ESTD
Origin : Disabled
Target Version : 4.04
Integrator : Falcon
Method file : \\qpitpa02\d\chem\gc1.i\7202.b\8151a.m
Cal Date : 20-Aug-2002 10:13 matkol
Curve Type : Average

Calibration File Names:
Level 1: \\qpitpa02\d\chem\gc1.i\7202.b\A-A70341.D
Level 2: \\qpitpa02\d\chem\gc1.i\7202.b\A-A70342.D
Level 3: \\qpitpa02\d\chem\gc1.i\7202.b\A-A70343.D
Level 4: \\qpitpa02\d\chem\gc1.i\7202.b\A-A70344.D
Level 5: \\qpitpa02\d\chem\gc1.i\7202.b\A-A70345.D

Compound	0.00500 Level 1	0.01000 Level 2	0.02500 Level 3	0.05000 Level 4	0.10000 Level 5	RRF	% RSD	
1 DALAPON	8285727	7075818	6646492	4441207	6005528	6490955	21.821	<- NA
3 MCPP	57915	47550	40195	32847	33605	42422	24.742	<- NA
4 DICAMBA	44176038	44194225	43665529	39616439	43852247	43100896	4.549	
5 MCPA	81313	69043	60576	50848	53128	62981	19.814	
6 DICHLOROPROP	12169292	11678892	11250224	9888282	11082752	11213889	7.599	
7 2,4-D	11365166	11619647	11714759	10909000	12802576	11682230	5.990	
8 PENTACHLOROPHENOL	165400752	164401316	168344455	153929934	168989166	164213124	3.693	
9 2,4,5-TP(SILVEX)	125722857	122868571	118893839	107123373	116251060	118171940	6.063	
10 2,4,5-T	116141176	115125524	111796066	98820332	107292216	109835063	6.428	
11 DINOSEB	107407886	104351654	95327165	80015709	88353287	95091140	11.877	
12 2,4-DB	14706066	13614787	12910178	11268237	11792121	12858278	10.758	
$ 2 DCAA	23751221	22059859	19945781	17322924	17701841	20156325	13.732	

Data File: \\qpitpa02\d\chem\gc1.i\7202.b\A-A70367.D
Report Date: 20-Aug-2002 13:18

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68901A
AT 52

STL Pittsburgh

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gc1.i
Lab File ID: A-A70367.D
Analysis Type:
Lab Sample ID: Mherb
Method: \\qpitpa02\d\chem\gc1.i\7202.b\8151a.m

Injection Date: 20-AUG-2002 10:51
Init. Cal. Date(s): 19-AUG-2002 19-AUG-2002
Init. Cal. Times: 20:31 22:44
Quant Type: ESTD

	COMPOUND	RRF	RF0	MIN RRF	%D	MAX %D
	1 DALAPON	6490955	6680068	0.010	2.9	15.0
$	2 DCAA	20156325	19751739	0.010	-2.0	15.0
	3 MCPP	42422	39463	0.010	-7.0	15.0
	4 DICAMBA	43100896	44200541	0.010	2.6	15.0
	5 MCPA	62981	59726	0.010	-5.2	15.0
	6 DICHLOROPROP	11213889	10956663	0.010	-2.3	15.0
	7 2,4-D	11682230	12129365	0.010	3.8	15.0
	8 PENTACHLOROPHENOL	164213124	169649154	0.010	3.3	15.0
	9 2,4,5-TP(SILVEX)	118171940	119612133	0.010	1.2	15.0
	10 2,4,5-T	109835063	110462701	0.010	0.6	15.0
	11 DINOSEB	95091140	95933622	0.010	0.9	15.0
	12 2,4-DB	12858278	12839775	0.010	-0.1	15.0

METHOD BLANK REPORT

GC Semivolatiles

Client Lot #...: C2H060115
MB Lot-Sample #: C2H070000-489

Work Order #...: E53N41AA

Matrix.....: SOLID

Analysis Date..: 08/20/02
Dilution Factor: 1

Prep Date.....: 08/07/02
Prep Batch #...: 2219489
Initial Wgt/Vol: 50 g
Analyst ID.....: 001797

Analysis Time..: 09:45
Final Wgt/Vol..: 10 mL
Instrument ID..: A/B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
2,4-D	ND	80	ug/kg	SW846 8151A
Dinoseb	ND	12	ug/kg	SW846 8151A
2,4,5-TP (Silvex)	ND	20	ug/kg	SW846 8151A
2,4,5-T	ND	20	ug/kg	SW846 8151A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
DCAA	64	(42 - 125)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

SW846 8151A SURROGATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: TETRA TECH NUS INC

Lab Code: STLPIT SDG No:

Lot #: C2H060115

Extraction: XXA0VQS01

	CLIENT ID.	SRG01	TOT OUT
01	MPT-1602-SS01-01	69	00
02	MPT-1602-SB01-05	70	00
03	MPT-1602-SS04-01	72	00
04	MPT-1602-SB04-05	77	00
05	MPT-1602-SS02-01	71	00
06	MPT-1602-SB02-05	69	00
07	MPT-1602-SS03-01	68	00
08	MPT-1602-SB03-05	66	00
09	MPT-1602-SBDUP01-05	70	00
10	METHOD BLK. E53N41AA	64	00
11	LCS E53N41AC	69	00
12	MPT-1602-SS04-01 D	79	00
13	MPT-1602-SS04-01 S	67	00

SURROGATES	QC LIMITS
SRG01 = DCAA	(42-125)

\# Column to be used to flag recovery values
* Values outside of required QC Limits
D System monitoring Compound diluted out

FORM II

SW846 8151A CHECK SAMPLE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: TETRA TECH NUS INC

Lab Code: STLPIT SDG No:

Lot #: C2H070000 WO #: E53N41AC
BATCH: 2219489

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENT. (ug/kg)	% REC	QC LIMITS REC	QUAL
2,4-D	320	185	58	28- 136	
2,4,5-TP (Silvex)	80.0	49.4	62	50- 128	
2,4,5-T	80.0	49.7	62	40- 127	

NOTES(S):

* Values outside of QC limits

Spike Recovery: 0 out of 3 outside limits

COMMENTS:

FORM III

SW846 8151A MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: TETRA TECH NUS INC

Lab Code: STLPIT SDG No:

Matrix Spike ID: MPT-1602-SS04-01

Lot #: C2H060115 WO #: E5X8P1AT
BATCH: 2219489

COMPOUND	SPIKE ADDED (ug/kg)	SAMPLE CONCENT. (ug/kg)	MS CONCENT. (ug/kg)	MS % REC	LIMITS REC	QUAL
2,4-D	339	ND	181	53	35- 133	
2,4,5-TP (Silvex)	84.8	ND	47.7	56	50- 131	
2,4,5-T	84.8	ND	45.4	54	34- 131	

NOTES(S):

Results and reporting limits have been adjusted for dry weight.

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 0 out of 0 outside limits
Spike Recovery: 0 out of 3 outside limits

COMMENTS:

FORM III

SW846 8151A MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: TETRA TECH NUS INC

Lab Code: STLPIT SDG No:

Matrix Spike ID: MPT-1602-SS04-01

Lot #: C2H060115 WO #: E5X8P1AU
BATCH: 2219489

COMPOUND	SPIKE ADDED (ug/kg)	MSD CONCENT. (ug/kg)	MSD % REC	% RPD	#	QC LIMITS RPD	QC LIMITS REC	QUAL
2,4-D	339	231	68	24	*	20	35- 133	p
2,4,5-TP (Silvex)	84.8	57.9	68	19		20	50- 131	
2,4,5-T	84.8	56.8	67	22	*	20	34- 131	p

NOTES(S):

p Relative percent difference (RPD) is outside stated control limits.
Results and reporting limits have been adjusted for dry weight.

Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

RPD: 2 out of 3 outside limits
Spike Recovery: 0 out of 3 outside limits

COMMENTS:

FORM III

2H06A5 → 223540?
C2H130B3
C2H160146
C2H160146 - 223541
C2H100144
C2H130153
C2H170122
C2H160146
IR Optical Filter 223534 223535 223534

~~STL Pittsburgh~~
TPH / OIL & GREASE LOG SHEET
METHOD # 418.1/413.2

Analyst: [illegible]

Date: 8-26-02

Start Time: 14:00

Balance ID: 22470

Correlation Coefficient .9997

Absorbance	Standards (mg)
.000	0
.014	1
.142	10
.281	20
1.008	80
1.245	100

Relative Percent Difference =

$$\frac{|X_1 - X_2|}{\left(\frac{X_1 + X_2}{2}\right)} \times 100$$

X_1 = Original Result
X_2 = Duplicate

TPH Stock: Prep 3-21-02 Exp 9-21-02 Standard Log - ID No. 647-051-5-5)

LCS: Prep 3-21-02 Exp 9-21-02 Standard Log - ID No. 647-051-2
True Value NA Range ±25%

CCV: Prep 3-21-02 Exp 6-21-02 Standard Log - ID No. 647-051-6
True Value 60 Range ±10%

Calculations:

$$\frac{\text{(Concentration x Dil.)}}{\text{g soil}} \times 1000 = \text{TPH mg / Kg}$$

$$\frac{\text{(Concentration x Dil)}}{\text{mL Sample}} \times 1000 = \text{TPH mg / L}$$

Freon Lot #: Allied Sig BZ762

Exp. Date: 6-18-03 mg/Kg/L units

Analyst:	WC-01-0046	Date: 8-26-02

STL Pittsburgh

TPH OIL & GREASE LOG SHEET

METHOD # 4181/4132

Sample ID	Sample Volume or Weight	Absorb	Conc.	All Dil. Factor	Final Conc.	LDL	
CCV	—	.800	63.50	—	63.50	106	
CCB	—	.000	ND	—	ND	1	
PB	30.00g → 100ml	.007	ND	—	ND	33	
LCS (27600)		.402	31.43	25	26194 ~~785.83~~	957	RPD 4%
LCS DUP (27607)		.387	30.22	25	25187	917	
C2H160146-1		.018	ND	—	ND	33	
-2		.021	ND	—	ND	33	
-3		.036	1.94	—	64.67 ~~16.46~~	33	
-4		.949	75.51	—	2516.98	33	
CCV	—	.800	63.50	—	63.50	106	
CCB	—	.001	ND	—	ND	1	
PB	30.00g → 100ml	.007	ND	—	ND	33	
LCS (27600)		.402	31.43	25	2614	957	RPD 4%
LCS DUP (27607)		.387	30.22	25	25187	917	
C2H160115-1		.084	5.81	—	193.6	33	
-2		.005	ND	—	ND	33	
-3		.019	ND	—	ND	33	
-4		.010	ND	—	ND	33	
-5		.019	ND	—	ND	33	
-6		.009	ND	—	ND	33	
-7		.032	1.62	—	53.97	33	
CCV	—	.801	63.58	—	63.58	106	
CCB	—	.001	ND	—	ND	1	
C2H160115-8	30.00g → 100ml	.008	ND	—	ND	33	
-9		.012	ND	—	ND	33	
C2H130153-3		.006	ND	—	ND	33	
C2H160146-1		.018	ND	—	ND	33	
-2		.021	ND	—	ND	33	
-3		.035	1.86	—	62.03	33	
-4		.310	24.02	—	800.66	33	
CCV	—	.801	63.58	—	63.58	106	
CCB	—	.001	ND	—	ND	1	
PB	1000ml → 100ml	.008	ND	—	ND	1	
LCS (828.3)		.385	30.66	25	767.58	917	RPD 1.1%
LCS DUP (828.0)		.381	29.74	25	743.53	907	
C2H100144-1	1020	.021	ND	—	ND	1	
-2	1020	.016	ND	—	ND	1	
-3	1010	.013	ND	—	ND	1	
-5	1020	.010	ND	—	ND	1	
-6	1030	.008	ND	—	ND	1	

Analyst: [signature] | WC-01-0046 | Date: 8-26-05

STL Pittsburgh
TPH / OIL & GREASE LOG SHEET
METHOD # 418.1 / 413.2

Sample ID	Sample Volume or Weight	Absorb	Conc.	All Dil. Factor	Final Conc.	LDL
C2H10144-7	1030 → 100ml	.006	ND	—	ND	1
-9	1020 → b	.020	ND	—	ND	1
CCV 5ppm	—	.801	63.58	—	63.58	106.7
CCB	—	.001	ND	—	ND	1
C2H10144-10	1020 → 100ml	.009	ND	—	ND	1
C2H13053-2	1010	.005	ND	—	ND	1
C2H170122-1	1020	.064	4.20	—	4.12	1
-3	1010	.021	ND	—	ND	1
ASM-PB	1000	.006	ND	—	ND	1
C2H160146-1	1020	.008	ND	—	ND	1
-2	1020	.017	ND	—	ND	1
-3	1020	.012	ND	—	ND	1
-4	1020 →	.405	31.67	—	31.05	1
CCV	—	.803	63.75	—	63.75	106.7
CCB	—	.002	ND	—	ND	1

8-26-02

Analyst: | WC-01-0046 | Date: 8-26-02

NAVSTA Mayport, Florida

Total Recoverable Petroleum Hydrocarbons

Lab Name:	STL PITTSBURGH	**Method:**	MCAWW 418.1
Client Name:	TETRA TECH NUS INC	**Report ID:**	C2H060115
Matrix:	SOLID	**Date/Time Received:**	8/6/02 10:00:00AM

Client Sample ID	Sample Number	Workorder	Result	Units	Reporting Limit	Prep/ Analysis Date	QC Batch	RPD / Limit (%)
BLK - C2H230000407B	407 MB	E65GL1AA	ND	mg/kg	33.0	8/23/02 - 8/26/02	2235407	

NAVSTA Mayport, Florida

Total Recoverable Petroleum Hydrocarbons

Lab Name: STL PITTSBURGH
Client Name: TETRA TECH NUS INC
Matrix: SOLID

Method: MCAWW 418.1
Lot Number: C2H230000
Date/Time Received: 8/6/02 10:00:00AM

Client Sample ID	QC Sample Type	Workorder	Recovery (%)	Control Limits (%)	Prep/ Analysis Date	QC Batch	RPD / Limit (%)
CHECK SAMPLE	LCS	E65GL1AC	95	75 - 125	8/23/02 - 8/26/02	2235407	
CHECK SAMPLE	LCS	E65GL1AD	91	75 - 125	8/23/02 - 8/26/02	2235407	

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**S. BALLARD**	**DATE:**	**JANUARY 9, 2007**
FROM:	**MATTHEW D. KRAUS**	**COPIES:**	**DV FILE**

SUBJECT: **INORGANIC DATA VALIDATION – TAL METALS & MISC.**
NS MAYPORT – CTO 033
SAMPLE DELIVERY GROUP (SDG) – CTO33-6

SAMPLES: 8/Aqueous/

MPT08-GW-MW21S-110606	MPT08-GW-MW22S-110606
MPT09-GW-MW04S-110706	MPT09-GW-MW05S-110706
MPT09-GW-MW06S-110606	MPT09-GW-MW06S-110706
MPT09-GW-RB01-110706	MPT10-GW-MW01S-110606

Overview

The sample set for NS MAYPORT, CTO 033, SDG CTO33-6, consists of seven aqueous environmental samples and one rinsate blank.

All samples were analyzed for target analyte list (TAL) metals, cyanide, and sulfide. Tetra Tech NUS collected the samples on November 6-7, 2006 and the samples were analyzed by Katahdin Analytical Services except for the sulfide fraction which was subcontracted to Severn-Trent Laboratories Inc. Metals, mercury, and cyanide analyses were conducted using SW846 methods 6010B and 7471 and CLP SOW ILM04.0, respectively. Sulfide analyses were conducted using EPA method 376.2.

Metals analyses were conducted using Inductively Coupled Plasma Atomic Absorption Spectrometry (ICP) and mercury analyses were conducted using Cold Vapor Atomic Absorption (CVAA) methodologies.

These data were evaluated based on the following parameters:

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

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

Tetra Tech NUS

INTERNAL CORRESPONDENCE

TO: SHINA BALLARD **DATE:** JANUARY 9, 2007

FROM: RUSSELL SLOBODA **COPIES:** DV FILE

SUBJECT: ORGANIC DATA VALIDATION– VOC/SVOC/PCBS/POLYCYCLIC AROMATIC HYDROCARBONS, AND 1,2-DIBROMOETHANE
NS MAYPORT
CTO 033 SDG CTO033-6

SAMPLES: **8/Aqueous/VOC/SVOC/PCB**

MPT08-GW-MW21S-110606	MPT09-GW-MW05S-110706	MPT09-GW-RB01-110706
MPT08-GW-MW22S-110606	MPT09-GW-MW06S-110606	MPT10-GW-MW01S-110606
MPT09-GW-MW04S-110706	MPT09-GW-MW06S-110706	

8/Aqueous/EDB/BTEX/PAH/TPH

MPT07-GW-TW01S-110806	MPT11-GW-RB02-110706	MPT51-GW-MW03S-110806
MPT08-GW-MW12S-110806	MPT51-GW-MW01S-110806	MPT51-GW-RB03-110806
MPT11-GW-MW05S-110706	MPT51-GW-MW02S-110806	

2/Aqueous/VOC

TRIP BLANK	TRIP BLANK

OVERVIEW

The sample set for CTO 033 NS Mayport, Florida, SDG CTO33-6 consists of 13 groundwater environmental samples, three rinsate blanks (designated MPTXX-GW-RB-), and two trip blanks (TRIP BLANK). All samples were analyzed as indicated above. No field duplicate pairs were included in this SDG.

The samples were collected by Tetra Tech NUS on November 7, 8, and 9, 2006 and analyzed by Katahdin Analytical Services of Westbrook, Maine.

All analyses were conducted using EPA SW-846 Method 8260B for Appendix IX VOCs, 8270C for Appendix IX SVOCs, 8082 for PCBs, 8011 for 1,2-dibromoethane (EDB), 8260B for benzene, toluene, ethyl benzene, and xylenes (BTEX) and methyl tert-butyl ether (MTBE), 8270C using selected ion monitoring (SIM) for polycyclic aromatic hydrocarbons (PAHs), and Florida Department of Environmental Protection (FDEP) method FL-PRO for total petroleum hydrocarbons (C-8 through C-40).

The data contained in this SDG were validated with regards to the following parameters:

* • Data completeness
* • Holding times
* • GC/MS Tuning
  • Initial and continuing calibration
  • Blank results
  • Surrogate spike recoveries
* • Internal standard recoveries
  • Blank Spike/Blank Spike Duplicate Results
* • Matrix Spike/Matrix Spike Duplicate Results
* • Detection Limits
* • Compound Identification
* • Compound Quantitation

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

Volatiles

Acetone was detected in the trip blanks at the maximum concentration listed as follows:

Compound	Maximum Concentration	Action Level
Acetone*	5 ug/L	50 ug/L

An action level of 10X the maximum contaminant concentration was established for acetone to evaluate blank contamination. Dilution factors and sample aliquots were taken into consideration during the application of all action levels. No action was taken because all results were nondetected.

Chloromethane, 2-butanone, acetone, and chloroform were detected in a rinsate blank. The rinsate blank was not used to establish action levels for environmental samples.

The Laboratory Control Spike (LCS) percent recoveries (%Rs) for 1,2-dichloropropane and benzene were less than the lower QC limits. Affected results were nondetected and were qualified estimated (UJ).

The relative response factors (RRFs) were less than the 0.05 lower QC limit in the initial and continuing calibrations for acetonitrile, acrolein, propionitrile, 1,4-dioxane, and isobutyl alcohol. Associated results were nondetected and were rejected, qualified (UR).

The percent difference (PD) exceeded the 25 percent QC limit in continuing calibration(s) for dichlorodifluoromethane, chloroprene, acrylonitrile, 3-chloropropene, 1,4-dioxane, methacrylonitrile, methyl methacrylate, ethyl methacrylate, pentachloroethane, and trans-1,2-dichloro-2-butene. Associated results were nondetected and were qualified estimated (UJ). No action was taken for 1,4-dioxane because it was qualified for a more severe noncompliance.

Semivolatiles

RRFs were less than the 0.05 lower QC limit in the initial and continuing calibrations for 4-nitroquinoline-1-oxide and in the continuing calibration for 3-nitroaniline and 4-nitroaniline. Associated results were nondetected and were rejected, qualified (UR).

The laboratory attempted calibration for hexachlorophene but the compound could not be detected. Therefore, because the laboratory could not detect hexachlorophene, all nondetected results were rejected, (UR).

The PD exceeded the 25 percent QC limit in the continuing calibration for aniline, bis(2-chloroisopropyl)ether, bis(2-chloroethyl)ether, 4-chloroaniline, butyl benzyl phthalate, methapyrilene, aramite, chlorobenzilate, 3-nitroaniline, 4-nitroaniline, 2-naphthylamine, 4-aminobiphenyl, 3,3'-dichlorobenzidine, bis(2-ethylhexyl) phthalate, di-n-octyl phthalate, indeno(1,2,3-cd)pyrene, and 4-nitrophenol. Associated results were nondetected results for all compounds except, aramite, chlorobenzilate, 3-nitroaniline, and 4-nitroaniline were qualified estimated (UJ). Aramite, chlorobenzilate, 3-nitroaniline, and 4-nitroaniline were qualified for a more severe noncompliance.

LCS recoveries in batch WG33955 were less than 10 percent for A,A-dimethylphenethylamine, p-phenylenediamine, 1,4-naphthoquinone, dimethoate, aramite, chlorobenzilate, and dimethyl phthalate. Associated results were nondetected and were rejected, qualified (UR).

The LCS %Rs in batch WG33955 were less than the lower QC limits, but greater than 10% for hexachloropropene and 1,3,5-trinitrobenzene. Associated results were nondetected and were qualified estimated (UJ).

LCS %Rs in batch WG33955 were greater than the upper QC limits for several compounds, but none of these analytes were detected in any sample, so no action was required.

PAHs

In the selected ion monitoring (SIM) analysis for PAHs, benzo(a)anthracene was detected in the rinsate blank. The rinsate blank was not used to establish action levels for environmental samples.

Several PAH compounds displayed concentrations exceeding the upper calibrated range. Dilutions were performed and results for these PAHs were used from the diluted analyses.

LCS recoveries were greater than the upper QC limit for benzo(b)fluoranthene. No actions were required because associated results were nondetected.

PCBs

The %R for the surrogate compound, tetrachloro-meta-xylene (TCX) was less than the lower QC limit on both GC columns for sample MPT10-GW-MW01S-110606. The sample was re-extracted one day outside of holding time, so the initial analysis results were used. PCB results in this sample were nondetected and were qualified estimated (UJ).

TCX recoveries were less than QC limits on one GC column in samples MPT09-GW-MW06S-110606 and MPT09-GW-MW21S-110606, but no actions were required as PCBs were not detected in these samples.

The LCS %Rs in batch WG34004 for Aroclors 1016 and 1260 were less than the lower QC limits. Associated samples were re-extracted, but samples MPT10-GW-MW01S-110606, MPT09-GW-MW06S-110606, MPT08-GW-MW21S-110606, and MPT08-GW-MW22S-110606 were re-extracted one day outside holding time. Results for these samples were used from the initial analysis and were qualified estimated (UJ) for Aroclors 1016 and 1260.

Total Petroleum Hydrocarbons

TPH was detected in the rinsate blank. However, the rinsate blank was not used to establish action levels for environmental samples, so no qualifications were added.

In the TPH analysis, LCS recoveries in batch WG34022 were greater than the upper QC limit. Associated positive results were qualified estimated (J).

TPH surrogate recoveries for o-terphenyl were greater than the upper QC limits in samples the method blank, the LSCD, MTP51-GW-MW01S-110806, MTP51-GW-MW02S-110806, and MTP07-GW-TW01S-110806. Positive results in environmental samples were qualified as estimated, (J).

Additional Comments

Positive results less than the reporting limit (RL) were qualified as estimated (J), due to uncertainty near the detection limit.

EXECUTIVE SUMMARY

Laboratory Performance Issues: Acetone was detected in laboratory method blanks. Five VOCs and four SVOCs displayed RRFs less than the minimum required limit in calibration standards. Ten VOCs and seventeen SVOCs displayed PDs in continuing calibration RRFs exceeding QC limits. Two VOCs, nine SVOCs, and two Aroclors displayed %Rs in LCS analyses below QC limits. Several of the SVOC LCS results displayed zero %Rs and were associated with compounds that are typically considered bad actors in the Appendix IX analyte list. High surrogate recoveries were noted in several TPH samples.

Other factors affecting data quality: Low concentrations of four VOCs and TPH were detected in a rinsate blank.

The data for these analyses were reviewed with reference to the EPA "Functional Guidelines for Organic Data Review" (10/99) and the Department of Defense document entitled "Quality Systems Manual (QSM) for Environmental Laboratories" (January 2006). The text of this report has been formatted to address only those problem areas affecting data quality.

The text of this report has been formulated to address only those problem areas affecting data quality.

TO: BALLARD, S. – PAGE 5
DATE: JANUARY 9, 2007

"I attest that the data referenced herein were validated according to the agreed upon validation criteria as specified in the DoD QSM and the Quality Assurance Project Plan (QAPP)".

Tetra Tech NUS, Inc.
Russell Sloboda
Senior Chemist

Tetra Tech NUS, Inc.
Joseph A. Samchuck
Data Validation Quality Assurance Officer

Attachments:

1. Appendix A - Qualified Analytical Results
2. Appendix B - Results as Reported by the Laboratory
3. Appendix C - Support Documentation

Data Validation Qualifier Codes:

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

APPENDIX A

QUALIFIED ANALYTICAL RESULTS

PROJ_NO: 00436

SDG: CTO33-6 MEDIA: WATER DATA FRACTION: OV

nsample	MPT07-GW-TW01S-110806	nsample	MPT08-GW-MW12S-110806	nsample	MPT08-GW-MW21S-110606
samp_date	11/8/2006	samp_date	11/8/2006	samp_date	11/6/2006
lab_id	WW6081-5	lab_id	WW6081-6	lab_id	WW6011-3
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/L	units	UG/L	units	UG/L
Pct_Solids	0.0	Pct_Solids	0.0	Pct_Solids	0.0
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2-DIBROMOETHANE	0.0065	U	
BENZENE	0.5	U	
ETHYLBENZENE	0.3	U	
M+P-XYLENES	1	U	
METHYL TERT-BUTYL ETHER	0.5	U	
O-XYLENE	0.4	U	
TOLUENE	0.4	U	
TOTAL XYLENES	1	U	

Parameter	Result	Val Qual	Qual Code
1,2-DIBROMOETHANE	0.0065	U	
BENZENE	0.5	U	
ETHYLBENZENE	0.3	U	
M+P-XYLENES	1	U	
METHYL TERT-BUTYL ETHER	0.5	U	
O-XYLENE	0.4	U	
TOLUENE	0.4	U	
TOTAL XYLENES	1	U	

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	0.4	U	
1,1,1-TRICHLOROETHANE	0.5	U	
1,1,2,2-TETRACHLOROETHANE	0.6	U	
1,1,2-TRICHLOROETHANE	0.5	U	
1,1-DICHLOROETHANE	0.4	U	
1,1-DICHLOROETHENE	0.6	U	
1,2,3-TRICHLOROPROPANE	0.5	U	
1,2,4-TRICHLOROBENZENE	0.4	U	
1,2-DIBROMO-3-CHLOROPROPANE	0.6	U	
1,2-DIBROMOETHANE	0.3	U	
1,2-DICHLOROBENZENE	0.3	U	
1,2-DICHLOROETHANE	0.4	U	
1,2-DICHLOROPROPANE	0.5	UJ	E
1,3-DICHLOROBENZENE	0.4	U	
1,4-DICHLOROBENZENE	0.4	U	
1,4-DIOXANE	20	UR	C
2-BUTANONE	3	U	
2-HEXANONE	2	U	
3-CHLOROPROPENE	0.6	UJ	C
4-METHYL-2-PENTANONE	2	U	
ACETONE	3	U	
ACETONITRILE	14	UR	C
ACROLEIN	3	UR	C
ACRYLONITRILE	4	UJ	C
BENZENE	0.5	UJ	E
BROMODICHLOROMETHANE	0.4	U	
BROMOFORM	0.4	U	
BROMOMETHANE	0.6	U	
CARBON DISULFIDE	0.6	U	
CARBON TETRACHLORIDE	0.5	U	
CHLOROBENZENE	0.3	U	
CHLORODIBROMOMETHANE	0.3	U	

PROJ_NO: 00436

SDG: CTO33-6 MEDIA: WATER DATA FRACTION: OV

nsample	MPT08-GW-MW21S-110606
samp_date	11/6/2006
lab_id	WW6011-3
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CHLOROETHANE	0.5	U	
CHLOROFORM	0.4	U	
CHLOROMETHANE	0.6	U	
CHLOROPRENE	0.5	UJ	C
CIS-1,2-DICHLOROETHENE	0.5	U	
CIS-1,3-DICHLOROPROPENE	0.4	U	
DIBROMOMETHANE	0.4	U	
DICHLORODIFLUOROMETHANE	0.3	UJ	C
ETHYL METHACRYLATE	0.4	UJ	C
ETHYLBENZENE	0.3	U	
ISOBUTANOL	13	UR	C
M+P-XYLENES	1	U	
METHACRYLONITRILE	3	UJ	C
METHYL IODIDE	0.2	U	
METHYL METHACRYLATE	0.6	UJ	C
METHYLENE CHLORIDE	2	U	
O-XYLENE	0.4	U	
PENTACHLOROETHANE	0.6	UJ	C
PROPIONITRILE	4	UR	C
STYRENE	0.3	U	
TETRACHLOROETHENE	0.6	U	
TOLUENE	0.4	U	
TRANS-1,2-DICHLOROETHENE	0.6	U	
TRANS-1,3-DICHLOROPROPENE	0.4	U	
TRANS-1,4-DICHLORO-2-BUTENE	0.7	UJ	C
TRICHLOROETHENE	0.4	U	
TRICHLOROFLUOROMETHANE	0.4	U	
VINYL ACETATE	0.5	U	
VINYL CHLORIDE	0.6	U	

nsample	MPT08-GW-MW22S-110606
samp_date	11/6/2006
lab_id	WW6011-2
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	0.4	U	
1,1,1-TRICHLOROETHANE	0.5	U	
1,1,2,2-TETRACHLOROETHANE	0.6	U	
1,1,2-TRICHLOROETHANE	0.5	U	
1,1-DICHLOROETHANE	0.4	U	
1,1-DICHLOROETHENE	0.6	U	
1,2,3-TRICHLOROPROPANE	0.5	U	
1,2,4-TRICHLOROBENZENE	0.4	U	
1,2-DIBROMO-3-CHLOROPROPANE	0.6	U	
1,2-DIBROMOETHANE	0.3	U	
1,2-DICHLOROBENZENE	0.3	U	
1,2-DICHLOROETHANE	0.4	U	
1,2-DICHLOROPROPANE	0.5	UJ	E
1,3-DICHLOROBENZENE	0.4	U	
1,4-DICHLOROBENZENE	0.4	U	
1,4-DIOXANE	20	UR	C
2-BUTANONE	3	U	
2-HEXANONE	2	U	
3-CHLOROPROPENE	0.6	UJ	C
4-METHYL-2-PENTANONE	2	U	
ACETONE	3	U	
ACETONITRILE	14	UR	C
ACROLEIN	3	UR	C
ACRYLONITRILE	4	UJ	C
BENZENE	0.5	UJ	E
BROMODICHLOROMETHANE	0.4	U	
BROMOFORM	0.4	U	
BROMOMETHANE	0.6	U	
CARBON DISULFIDE	0.6	U	
CARBON TETRACHLORIDE	0.5	U	
CHLOROBENZENE	0.3	U	
CHLORODIBROMOMETHANE	0.3	U	

nsample	MPT08-GW-MW22S-110606
samp_date	11/6/2006
lab_id	WW6011-2
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CHLOROETHANE	0.5	U	
CHLOROFORM	0.4	U	
CHLOROMETHANE	0.6	U	
CHLOROPRENE	0.5	UJ	C
CIS-1,2-DICHLOROETHENE	0.5	U	
CIS-1,3-DICHLOROPROPENE	0.4	U	
DIBROMOMETHANE	0.4	U	
DICHLORODIFLUOROMETHANE	0.3	UJ	C
ETHYL METHACRYLATE	0.4	UJ	C
ETHYLBENZENE	0.3	U	
ISOBUTANOL	13	UR	C
M+P-XYLENES	1	U	
METHACRYLONITRILE	3	UJ	C
METHYL IODIDE	0.2	U	
METHYL METHACRYLATE	0.6	UJ	C
METHYLENE CHLORIDE	2	U	
O-XYLENE	0.4	U	
PENTACHLOROETHANE	0.6	UJ	C
PROPIONITRILE	4	UR	C
STYRENE	0.3	U	
TETRACHLOROETHENE	0.6	U	
TOLUENE	0.4	U	
TRANS-1,2-DICHLOROETHENE	0.6	U	
TRANS-1,3-DICHLOROPROPENE	0.4	U	
TRANS-1,4-DICHLORO-2-BUTENE	0.7	UJ	C
TRICHLOROETHENE	0.4	U	
TRICHLOROFLUOROMETHANE	0.4	U	
VINYL ACETATE	0.5	U	
VINYL CHLORIDE	0.6	U	

PROJ_NO: 00436

SDG: CTO33-6 MEDIA: WATER DATA FRACTION: OV

nsample	MPT09-GW-MW04S-110706
samp_date	11/7/2006
lab_id	WW6039-2
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	0.4	U	
1,1,1-TRICHLOROETHANE	0.5	U	
1,1,2,2-TETRACHLOROETHANE	0.6	U	
1,1,2-TRICHLOROETHANE	0.5	U	
1,1-DICHLOROETHANE	0.4	U	
1,1-DICHLOROETHENE	0.6	U	
1,2,3-TRICHLOROPROPANE	0.5	U	
1,2,4-TRICHLOROBENZENE	0.4	U	
1,2-DIBROMO-3-CHLOROPROPANE	0.6	U	
1,2-DIBROMOETHANE	0.3	U	
1,2-DICHLOROBENZENE	0.3	U	
1,2-DICHLOROETHANE	0.4	U	
1,2-DICHLOROPROPANE	0.5	UJ	E
1,3-DICHLOROBENZENE	0.4	U	
1,4-DICHLOROBENZENE	0.4	U	
1,4-DIOXANE	20	UR	C
2-BUTANONE	3	U	
2-HEXANONE	2	U	
3-CHLOROPROPENE	0.6	UJ	C
4-METHYL-2-PENTANONE	2	U	
ACETONE	3	U	
ACETONITRILE	14	UR	C
ACROLEIN	3	UR	C
ACRYLONITRILE	4	UJ	C
BENZENE	0.5	UJ	E
BROMODICHLOROMETHANE	0.4	U	
BROMOFORM	0.4	U	
BROMOMETHANE	0.6	U	
CARBON DISULFIDE	0.6	U	
CARBON TETRACHLORIDE	0.5	U	
CHLOROBENZENE	0.3	U	
CHLORODIBROMOMETHANE	0.3	U	

nsample	MPT09-GW-MW04S-110706
samp_date	11/7/2006
lab_id	WW6039-2
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CHLOROETHANE	0.5	U	
CHLOROFORM	0.4	U	
CHLOROMETHANE	0.6	U	
CHLOROPRENE	0.5	UJ	C
CIS-1,2-DICHLOROETHENE	0.5	U	
CIS-1,3-DICHLOROPROPENE	0.4	U	
DIBROMOMETHANE	0.4	U	
DICHLORODIFLUOROMETHANE	0.3	UJ	C
ETHYL METHACRYLATE	0.4	UJ	C
ETHYLBENZENE	0.3	U	
ISOBUTANOL	13	UR	C
M+P-XYLENES	1	U	
METHACRYLONITRILE	3	UJ	C
METHYL IODIDE	0.2	U	
METHYL METHACRYLATE	0.6	UJ	C
METHYLENE CHLORIDE	2	U	
O-XYLENE	0.4	U	
PENTACHLOROETHANE	0.6	UJ	C
PROPIONITRILE	4	UR	C
STYRENE	0.3	U	
TETRACHLOROETHENE	0.6	U	
TOLUENE	0.4	U	
TRANS-1,2-DICHLOROETHENE	0.6	U	
TRANS-1,3-DICHLOROPROPENE	0.4	U	
TRANS-1,4-DICHLORO-2-BUTENE	0.7	UJ	C
TRICHLOROETHENE	0.4	U	
TRICHLOROFLUOROMETHANE	0.4	U	
VINYL ACETATE	0.5	U	
VINYL CHLORIDE	0.6	U	

nsample	MPT09-GW-MW05S-110706
samp_date	11/7/2006
lab_id	WW6039-3
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	0.4	U	
1,1,1-TRICHLOROETHANE	0.5	U	
1,1,2,2-TETRACHLOROETHANE	0.6	U	
1,1,2-TRICHLOROETHANE	0.5	U	
1,1-DICHLOROETHANE	0.4	U	
1,1-DICHLOROETHENE	0.6	U	
1,2,3-TRICHLOROPROPANE	0.5	U	
1,2,4-TRICHLOROBENZENE	0.4	U	
1,2-DIBROMO-3-CHLOROPROPANE	0.6	U	
1,2-DIBROMOETHANE	0.3	U	
1,2-DICHLOROBENZENE	0.3	U	
1,2-DICHLOROETHANE	0.4	U	
1,2-DICHLOROPROPANE	0.5	UJ	E
1,3-DICHLOROBENZENE	0.4	U	
1,4-DICHLOROBENZENE	0.4	U	
1,4-DIOXANE	20	UR	C
2-BUTANONE	3	U	
2-HEXANONE	2	U	
3-CHLOROPROPENE	0.6	UJ	C
4-METHYL-2-PENTANONE	2	U	
ACETONE	3	U	
ACETONITRILE	14	UR	C
ACROLEIN	3	UR	C
ACRYLONITRILE	4	UJ	C
BENZENE	0.5	UJ	E
BROMODICHLOROMETHANE	0.4	U	
BROMOFORM	0.4	U	
BROMOMETHANE	0.6	U	
CARBON DISULFIDE	0.6	U	
CARBON TETRACHLORIDE	0.5	U	
CHLOROBENZENE	0.3	U	
CHLORODIBROMOMETHANE	0.3	U	

PROJ_NO: 00436

SDG: CTO33-6 MEDIA: WATER DATA FRACTION: OV

nsample	MPT09-GW-MW05S-110706
samp_date	11/7/2006
lab_id	WW6039-3
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CHLOROETHANE	0.5	U	
CHLOROFORM	0.4	U	
CHLOROMETHANE	0.6	U	
CHLOROPRENE	0.5	UJ	C
CIS-1,2-DICHLOROETHENE	0.5	U	
CIS-1,3-DICHLOROPROPENE	0.4	U	
DIBROMOMETHANE	0.4	U	
DICHLORODIFLUOROMETHANE	0.3	UJ	C
ETHYL METHACRYLATE	0.4	UJ	C
ETHYLBENZENE	0.3	U	
ISOBUTANOL	13	UR	C
M+P-XYLENES	1	U	
METHACRYLONITRILE	3	UJ	C
METHYL IODIDE	0.2	U	
METHYL METHACRYLATE	0.6	UJ	C
METHYLENE CHLORIDE	2	U	
O-XYLENE	0.4	U	
PENTACHLOROETHANE	0.6	UJ	C
PROPIONITRILE	4	UR	C
STYRENE	0.3	U	
TETRACHLOROETHENE	0.6	U	
TOLUENE	0.4	U	
TRANS-1,2-DICHLOROETHENE	0.6	U	
TRANS-1,3-DICHLOROPROPENE	0.4	U	
TRANS-1,4-DICHLORO-2-BUTENE	0.7	UJ	C
TRICHLOROETHENE	0.4	U	
TRICHLOROFLUOROMETHANE	0.4	U	
VINYL ACETATE	0.5	U	
VINYL CHLORIDE	0.6	U	

nsample	MPT09-GW-MW06S-110606
samp_date	11/6/2006
lab_id	WW6011-4
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	0.4	U	
1,1,1-TRICHLOROETHANE	0.5	U	
1,1,2,2-TETRACHLOROETHANE	0.6	U	
1,1,2-TRICHLOROETHANE	0.5	U	
1,1-DICHLOROETHANE	0.4	U	
1,1-DICHLOROETHENE	0.6	U	
1,2,3-TRICHLOROPROPANE	0.5	U	
1,2,4-TRICHLOROBENZENE	0.4	U	
1,2-DIBROMO-3-CHLOROPROPANE	0.6	U	
1,2-DIBROMOETHANE	0.3	U	
1,2-DICHLOROBENZENE	0.3	U	
1,2-DICHLOROETHANE	0.4	U	
1,2-DICHLOROPROPANE	0.5	UJ	E
1,3-DICHLOROBENZENE	0.4	U	
1,4-DICHLOROBENZENE	0.4	U	
1,4-DIOXANE	20	UR	C
2-BUTANONE	3	U	
2-HEXANONE	2	U	
3-CHLOROPROPENE	0.6	UJ	C
4-METHYL-2-PENTANONE	2	U	
ACETONE	3	U	
ACETONITRILE	14	UR	C
ACROLEIN	3	UR	C
ACRYLONITRILE	4	UJ	C
BENZENE	0.5	UJ	E
BROMODICHLOROMETHANE	0.4	U	
BROMOFORM	0.4	U	
BROMOMETHANE	0.6	U	
CARBON DISULFIDE	0.6	U	
CARBON TETRACHLORIDE	0.5	U	
CHLOROBENZENE	0.3	U	
CHLORODIBROMOMETHANE	0.3	U	

nsample	MPT09-GW-MW06S-110606
samp_date	11/6/2006
lab_id	WW6011-4
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CHLOROETHANE	0.5	U	
CHLOROFORM	0.4	U	
CHLOROMETHANE	0.6	U	
CHLOROPRENE	0.5	UJ	C
CIS-1,2-DICHLOROETHENE	0.5	U	
CIS-1,3-DICHLOROPROPENE	0.4	U	
DIBROMOMETHANE	0.4	U	
DICHLORODIFLUOROMETHANE	0.3	UJ	C
ETHYL METHACRYLATE	0.4	UJ	C
ETHYLBENZENE	0.3	U	
ISOBUTANOL	13	UR	C
M+P-XYLENES	1	U	
METHACRYLONITRILE	3	UJ	C
METHYL IODIDE	0.2	U	
METHYL METHACRYLATE	0.6	UJ	C
METHYLENE CHLORIDE	2	U	
O-XYLENE	0.4	U	
PENTACHLOROETHANE	0.6	UJ	C
PROPIONITRILE	4	UR	C
STYRENE	0.3	U	
TETRACHLOROETHENE	0.6	U	
TOLUENE	0.4	U	
TRANS-1,2-DICHLOROETHENE	0.6	U	
TRANS-1,3-DICHLOROPROPENE	0.4	U	
TRANS-1,4-DICHLORO-2-BUTENE	0.7	UJ	C
TRICHLOROETHENE	0.4	U	
TRICHLOROFLUOROMETHANE	0.4	U	
VINYL ACETATE	0.5	U	
VINYL CHLORIDE	0.6	U	

PROJ_NO: 00436

SDG: CTO33-6 MEDIA: WATER DATA FRACTION: OV

nsample	MPT09-GW-MW06S-110706
samp_date	11/7/2006
lab_id	WW6039-1
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	0.4	U	
1,1,1-TRICHLOROETHANE	0.5	U	
1,1,2,2-TETRACHLOROETHANE	0.6	U	
1,1,2-TRICHLOROETHANE	0.5	U	
1,1-DICHLOROETHANE	0.4	U	
1,1-DICHLOROETHENE	0.6	U	
1,2,3-TRICHLOROPROPANE	0.5	U	
1,2,4-TRICHLOROBENZENE	0.4	U	
1,2-DIBROMO-3-CHLOROPROPANE	0.6	U	
1,2-DIBROMOETHANE	0.3	U	
1,2-DICHLOROBENZENE	0.3	U	
1,2-DICHLOROETHANE	0.4	U	
1,2-DICHLOROPROPANE	0.5	UJ	E
1,3-DICHLOROBENZENE	0.4	U	
1,4-DICHLOROBENZENE	0.4	U	
1,4-DIOXANE	20	UR	C
2-BUTANONE	3	U	
2-HEXANONE	2	U	
3-CHLOROPROPENE	0.6	UJ	C
4-METHYL-2-PENTANONE	2	U	
ACETONE	3	U	
ACETONITRILE	14	UR	C
ACROLEIN	3	UR	C
ACRYLONITRILE	4	UJ	C
BENZENE	0.5	UJ	E
BROMODICHLOROMETHANE	0.4	U	
BROMOFORM	0.4	U	
BROMOMETHANE	0.6	U	
CARBON DISULFIDE	0.6	U	
CARBON TETRACHLORIDE	0.5	U	
CHLOROBENZENE	0.3	U	
CHLORODIBROMOMETHANE	0.3	U	

nsample	MPT09-GW-MW06S-110706
samp_date	11/7/2006
lab_id	WW6039-1
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CHLOROETHANE	0.5	U	
CHLOROFORM	0.4	U	
CHLOROMETHANE	0.6	U	
CHLOROPRENE	0.5	UJ	C
CIS-1,2-DICHLOROETHENE	0.5	U	
CIS-1,3-DICHLOROPROPENE	0.4	U	
DIBROMOMETHANE	0.4	U	
DICHLORODIFLUOROMETHANE	0.3	UJ	C
ETHYL METHACRYLATE	0.4	UJ	C
ETHYLBENZENE	0.3	U	
ISOBUTANOL	13	UR	C
M+P-XYLENES	1	U	
METHACRYLONITRILE	3	UJ	C
METHYL IODIDE	0.2	U	
METHYL METHACRYLATE	0.6	UJ	C
METHYLENE CHLORIDE	2	U	
O-XYLENE	0.4	U	
PENTACHLOROETHANE	0.6	UJ	C
PROPIONITRILE	4	UR	C
STYRENE	0.3	U	
TETRACHLOROETHENE	0.6	U	
TOLUENE	0.4	U	
TRANS-1,2-DICHLOROETHENE	0.6	U	
TRANS-1,3-DICHLOROPROPENE	0.4	U	
TRANS-1,4-DICHLORO-2-BUTENE	0.7	UJ	C
TRICHLOROETHENE	0.4	U	
TRICHLOROFLUOROMETHANE	0.4	U	
VINYL ACETATE	0.5	U	
VINYL CHLORIDE	0.6	U	

nsample	MPT09-GW-RB01-110706
samp_date	11/7/2006
lab_id	WW6039-4
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	0.4	U	
1,1,1-TRICHLOROETHANE	0.5	U	
1,1,2,2-TETRACHLOROETHANE	0.6	U	
1,1,2-TRICHLOROETHANE	0.5	U	
1,1-DICHLOROETHANE	0.4	U	
1,1-DICHLOROETHENE	0.6	U	
1,2,3-TRICHLOROPROPANE	0.5	U	
1,2,4-TRICHLOROBENZENE	0.4	U	
1,2-DIBROMO-3-CHLOROPROPANE	0.6	U	
1,2-DIBROMOETHANE	0.3	U	
1,2-DICHLOROBENZENE	0.3	U	
1,2-DICHLOROETHANE	0.4	U	
1,2-DICHLOROPROPANE	0.5	UJ	E
1,3-DICHLOROBENZENE	0.4	U	
1,4-DICHLOROBENZENE	0.4	U	
1,4-DIOXANE	20	UR	C
2-BUTANONE	3	J	P
2-HEXANONE	2	U	
3-CHLOROPROPENE	0.6	UJ	C
4-METHYL-2-PENTANONE	2	U	
ACETONE	11		
ACETONITRILE	14	UR	C
ACROLEIN	3	UR	C
ACRYLONITRILE	4	UJ	C
BENZENE	0.5	UJ	E
BROMODICHLOROMETHANE	0.4	U	
BROMOFORM	0.4	U	
BROMOMETHANE	0.6	U	
CARBON DISULFIDE	0.6	U	
CARBON TETRACHLORIDE	0.5	U	
CHLOROBENZENE	0.3	U	
CHLORODIBROMOMETHANE	0.3	U	

PROJ_NO: 00436

SDG: CTO33-6 MEDIA: WATER DATA FRACTION: OV

nsample	MPT09-GW-RB01-110706
samp_date	11/7/2006
lab_id	WW6039-4
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CHLOROETHANE	0.5	U	
CHLOROFORM	0.5	J	P
CHLOROMETHANE	0.6	U	
CHLOROPRENE	0.5	UJ	C
CIS-1,2-DICHLOROETHENE	0.5	U	
CIS-1,3-DICHLOROPROPENE	0.4	U	
DIBROMOMETHANE	0.4	U	
DICHLORODIFLUOROMETHANE	0.3	UJ	C
ETHYL METHACRYLATE	0.4	UJ	C
ETHYLBENZENE	0.3	U	
ISOBUTANOL	13	UR	C
M+P-XYLENES	1	U	
METHACRYLONITRILE	3	UJ	C
METHYL IODIDE	0.2	U	
METHYL METHACRYLATE	0.6	UJ	C
METHYLENE CHLORIDE	2	U	
O-XYLENE	0.4	U	
PENTACHLOROETHANE	0.6	UJ	C
PROPIONITRILE	4	UR	C
STYRENE	0.3	U	
TETRACHLOROETHENE	0.6	U	
TOLUENE	0.4	U	
TRANS-1,2-DICHLOROETHENE	0.6	U	
TRANS-1,3-DICHLOROPROPENE	0.4	U	
TRANS-1,4-DICHLORO-2-BUTENE	0.7	UJ	C
TRICHLOROETHENE	0.4	U	
TRICHLOROFLUOROMETHANE	0.4	U	
VINYL ACETATE	0.5	U	
VINYL CHLORIDE	0.6	U	

nsample	MPT10-GW-MW01S-110606
samp_date	11/6/2006
lab_id	WW6011-1
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	0.4	U	
1,1,1-TRICHLOROETHANE	0.5	U	
1,1,2,2-TETRACHLOROETHANE	0.6	U	
1,1,2-TRICHLOROETHANE	0.5	U	
1,1-DICHLOROETHANE	0.4	U	
1,1-DICHLOROETHENE	0.6	U	
1,2,3-TRICHLOROPROPANE	0.5	U	
1,2,4-TRICHLOROBENZENE	0.4	U	
1,2-DIBROMO-3-CHLOROPROPANE	0.6	U	
1,2-DIBROMOETHANE	0.3	U	
1,2-DICHLOROBENZENE	0.3	U	
1,2-DICHLOROETHANE	0.4	U	
1,2-DICHLOROPROPANE	0.5	UJ	E
1,3-DICHLOROBENZENE	0.4	U	
1,4-DICHLOROBENZENE	0.4	U	
1,4-DIOXANE	20	UR	C
2-BUTANONE	3	U	
2-HEXANONE	2	U	
3-CHLOROPROPENE	0.6	UJ	C
4-METHYL-2-PENTANONE	2	U	
ACETONE	3	U	
ACETONITRILE	14	UR	C
ACROLEIN	3	UR	C
ACRYLONITRILE	4	UJ	C
BENZENE	0.5	UJ	E
BROMODICHLOROMETHANE	0.4	U	
BROMOFORM	0.4	U	
BROMOMETHANE	0.6	U	
CARBON DISULFIDE	0.6	U	
CARBON TETRACHLORIDE	0.5	U	
CHLOROBENZENE	0.3	U	
CHLORODIBROMOMETHANE	0.3	U	

nsample	MPT10-GW-MW01S-110606
samp_date	11/6/2006
lab_id	WW6011-1
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CHLOROETHANE	0.5	U	
CHLOROFORM	0.4	U	
CHLOROMETHANE	0.6	U	
CHLOROPRENE	0.5	UJ	C
CIS-1,2-DICHLOROETHENE	0.5	U	
CIS-1,3-DICHLOROPROPENE	0.4	U	
DIBROMOMETHANE	0.4	U	
DICHLORODIFLUOROMETHANE	0.3	UJ	C
ETHYL METHACRYLATE	0.4	UJ	C
ETHYLBENZENE	0.3	U	
ISOBUTANOL	13	UR	C
M+P-XYLENES	1	U	
METHACRYLONITRILE	3	UJ	C
METHYL IODIDE	0.2	U	
METHYL METHACRYLATE	0.6	UJ	C
METHYLENE CHLORIDE	2	U	
O-XYLENE	0.4	U	
PENTACHLOROETHANE	0.6	UJ	C
PROPIONITRILE	4	UR	C
STYRENE	0.3	U	
TETRACHLOROETHENE	0.6	U	
TOLUENE	0.4	U	
TRANS-1,2-DICHLOROETHENE	0.6	U	
TRANS-1,3-DICHLOROPROPENE	0.4	U	
TRANS-1,4-DICHLORO-2-BUTENE	0.7	UJ	C
TRICHLOROETHENE	0.4	U	
TRICHLOROFLUOROMETHANE	0.4	U	
VINYL ACETATE	0.5	U	
VINYL CHLORIDE	0.6	U	

PROJ_NO: 00436

SDG: CTO33-6 MEDIA: WATER DATA FRACTION: OV

nsample	MPT11-GW-MW05S-110706
samp_date	11/7/2006
lab_id	WW6039-5
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2-DIBROMOETHANE	0.0065	U	
BENZENE	0.5	U	
ETHYLBENZENE	0.3	U	
M+P-XYLENES	1	U	
METHYL TERT-BUTYL ETHER	0.5	U	
O-XYLENE	0.4	U	
TOLUENE	0.4	U	
TOTAL XYLENES	1	U	

nsample	MPT11-GW-RB02-110706
samp_date	11/7/2006
lab_id	WW6039-6
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2-DIBROMOETHANE	0.0066	U	
BENZENE	0.5	U	
ETHYLBENZENE	0.3	U	
M+P-XYLENES	1	U	
METHYL TERT-BUTYL ETHER	0.5	U	
O-XYLENE	0.4	U	
TOLUENE	0.4	U	
TOTAL XYLENES	1	U	

nsample	MPT51-GW-MW01S-110806
samp_date	11/8/2006
lab_id	WW6081-1
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2-DIBROMOETHANE	0.0065	U	
BENZENE	0.5	U	
ETHYLBENZENE	0.3	U	
M+P-XYLENES	1	U	
METHYL TERT-BUTYL ETHER	0.5	U	
O-XYLENE	0.4	U	
TOLUENE	0.4	U	
TOTAL XYLENES	1	U	

PROJ_NO: 00436

SDG: CTO33-6 MEDIA: WATER DATA FRACTION: OV

nsample	MPT51-GW-MW02S-110806	nsample	MPT51-GW-MW03S-110806	nsample	MPT51-RB03-110806
samp_date	11/8/2006	samp_date	11/8/2006	samp_date	11/8/2006
lab_id	WW6081-2	lab_id	WW6081-3	lab_id	WW6081-4
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/L	units	UG/L	units	UG/L
Pct_Solids	0.0	Pct_Solids	0.0	Pct_Solids	0.0
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2-DIBROMOETHANE	0.0065	U	
BENZENE	0.5	U	
ETHYLBENZENE	0.3	U	
M+P-XYLENES	1	U	
METHYL TERT-BUTYL ETHER	0.5	U	
O-XYLENE	0.4	U	
TOLUENE	0.4	U	
TOTAL XYLENES	1	U	

Parameter	Result	Val Qual	Qual Code
1,2-DIBROMOETHANE	0.0065	U	
BENZENE	0.5	U	
ETHYLBENZENE	0.3	U	
M+P-XYLENES	1	U	
METHYL TERT-BUTYL ETHER	0.5	U	
O-XYLENE	0.4	U	
TOLUENE	0.4	U	
TOTAL XYLENES	1	U	

Parameter	Result	Val Qual	Qual Code
1,2-DIBROMOETHANE	0.0065	U	
BENZENE	0.5	U	
ETHYLBENZENE	0.3	U	
M+P-XYLENES	1	U	
METHYL TERT-BUTYL ETHER	0.5	U	
O-XYLENE	0.4	U	
TOLUENE	0.4	U	
TOTAL XYLENES	1	U	

PROJ_NO: 00436

SDG: CTO33-6 MEDIA: WATER DATA FRACTION: OV

nsample	TB-20062016-1	nsample	TB-20062016-1	nsample	TB-20062016-2
samp_date	10/26/2006	samp_date	10/26/2006	samp_date	10/26/2006
lab_id	WW6011-5	lab_id	WW6011-5	lab_id	WW6039-7
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/L	units	UG/L	units	UG/L
Pct_Solids	0.0	Pct_Solids	0.0	Pct_Solids	0.0
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	0.4	U	
1,1,1-TRICHLOROETHANE	0.5	U	
1,1,2,2-TETRACHLOROETHANE	0.6	U	
1,1,2-TRICHLOROETHANE	0.5	U	
1,1-DICHLOROETHANE	0.4	U	
1,1-DICHLOROETHENE	0.6	U	
1,2,3-TRICHLOROPROPANE	0.5	U	
1,2,4-TRICHLOROBENZENE	0.4	U	
1,2-DIBROMO-3-CHLOROPROPANE	0.6	U	
1,2-DIBROMOETHANE	0.3	U	
1,2-DICHLOROBENZENE	0.3	U	
1,2-DICHLOROETHANE	0.4	U	
1,2-DICHLOROPROPANE	0.5	UJ	E
1,3-DICHLOROBENZENE	0.4	U	
1,4-DICHLOROBENZENE	0.4	U	
1,4-DIOXANE	20	UR	C
2-BUTANONE	3	U	
2-HEXANONE	2	U	
3-CHLOROPROPENE	0.6	UJ	C
4-METHYL-2-PENTANONE	2	U	
ACETONE	5		
ACETONITRILE	14	UR	C
ACROLEIN	3	UR	C
ACRYLONITRILE	4	UJ	C
BENZENE	0.5	UJ	E
BROMODICHLOROMETHANE	0.4	U	
BROMOFORM	0.4	U	
BROMOMETHANE	0.6	U	
CARBON DISULFIDE	0.6	U	
CARBON TETRACHLORIDE	0.5	U	
CHLOROBENZENE	0.3	U	
CHLORODIBROMOMETHANE	0.3	U	

Parameter	Result	Val Qual	Qual Code
CHLOROETHANE	0.5	U	
CHLOROFORM	0.4	U	
CHLOROMETHANE	0.6	U	
CHLOROPRENE	0.5	UJ	C
CIS-1,2-DICHLOROETHENE	0.5	U	
CIS-1,3-DICHLOROPROPENE	0.4	U	
DIBROMOMETHANE	0.4	U	
DICHLORODIFLUOROMETHANE	0.3	UJ	C
ETHYL METHACRYLATE	0.4	UJ	C
ETHYLBENZENE	0.3	U	
ISOBUTANOL	13	UR	C
M+P-XYLENES	1	U	
METHACRYLONITRILE	3	UJ	C
METHYL IODIDE	0.2	U	
METHYL METHACRYLATE	0.6	UJ	C
METHYLENE CHLORIDE	2	U	
O-XYLENE	0.4	U	
PENTACHLOROETHANE	0.6	UJ	C
PROPIONITRILE	4	UR	C
STYRENE	0.3	U	
TETRACHLOROETHENE	0.6	U	
TOLUENE	0.4	U	
TRANS-1,2-DICHLOROETHENE	0.6	U	
TRANS-1,3-DICHLOROPROPENE	0.4	U	
TRANS-1,4-DICHLORO-2-BUTENE	0.7	UJ	C
TRICHLOROETHENE	0.4	U	
TRICHLOROFLUOROMETHANE	0.4	U	
VINYL ACETATE	0.5	U	
VINYL CHLORIDE	0.6	U	

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	0.4	U	
1,1,1-TRICHLOROETHANE	0.5	U	
1,1,2,2-TETRACHLOROETHANE	0.6	U	
1,1,2-TRICHLOROETHANE	0.5	U	
1,1-DICHLOROETHANE	0.4	U	
1,1-DICHLOROETHENE	0.6	U	
1,2,3-TRICHLOROPROPANE	0.5	U	
1,2,4-TRICHLOROBENZENE	0.4	U	
1,2-DIBROMO-3-CHLOROPROPANE	0.6	U	
1,2-DIBROMOETHANE	0.3	U	
1,2-DICHLOROBENZENE	0.3	U	
1,2-DICHLOROETHANE	0.4	U	
1,2-DICHLOROPROPANE	0.5	UJ	E
1,3-DICHLOROBENZENE	0.4	U	
1,4-DICHLOROBENZENE	0.4	U	
1,4-DIOXANE	20	UR	C
2-BUTANONE	3	U	
2-HEXANONE	2	U	
3-CHLOROPROPENE	0.6	UJ	C
4-METHYL-2-PENTANONE	2	U	
ACETONE	5		
ACETONITRILE	14	UR	C
ACROLEIN	3	UR	C
ACRYLONITRILE	4	UJ	C
BENZENE	0.5	UJ	E
BROMODICHLOROMETHANE	0.4	U	
BROMOFORM	0.4	U	
BROMOMETHANE	0.6	U	
CARBON DISULFIDE	0.6	U	
CARBON TETRACHLORIDE	0.5	U	
CHLOROBENZENE	0.3	U	
CHLORODIBROMOMETHANE	0.3	U	

PROJ_NO: 00436

SDG: CTO33-6 MEDIA: WATER DATA FRACTION: OV

nsample	TB-20062016-2
samp_date	10/26/2006
lab_id	WW6039-7
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CHLOROETHANE	0.5	U	
CHLOROFORM	0.4	U	
CHLOROMETHANE	1	J	P
CHLOROPRENE	0.5	UJ	C
CIS-1,2-DICHLOROETHENE	0.5	U	
CIS-1,3-DICHLOROPROPENE	0.4	U	
DIBROMOMETHANE	0.4	U	
DICHLORODIFLUOROMETHANE	0.3	UJ	C
ETHYL METHACRYLATE	0.4	UJ	C
ETHYLBENZENE	0.3	U	
ISOBUTANOL	13	UR	C
M+P-XYLENES	1	U	
METHACRYLONITRILE	3	UJ	C
METHYL IODIDE	0.2	U	
METHYL METHACRYLATE	0.6	UJ	C
METHYLENE CHLORIDE	2	U	
O-XYLENE	0.4	U	
PENTACHLOROETHANE	0.6	UJ	C
PROPIONITRILE	4	UR	C
STYRENE	0.3	U	
TETRACHLOROETHENE	0.6	U	
TOLUENE	0.4	U	
TRANS-1,2-DICHLOROETHENE	0.6	U	
TRANS-1,3-DICHLOROPROPENE	0.4	U	
TRANS-1,4-DICHLORO-2-BUTENE	0.7	UJ	C
TRICHLOROETHENE	0.4	U	
TRICHLOROFLUOROMETHANE	0.4	U	
VINYL ACETATE	0.5	U	
VINYL CHLORIDE	0.6	U	

PROJ_NO: 00436

SDG: CTO33-6 MEDIA: WATER DATA FRACTION: OS

nsample	MPT08-GW-MW21S-110606	nsample	MPT08-GW-MW21S-110606	nsample	MPT08-GW-MW21S-110606
samp_date	11/6/2006	samp_date	11/6/2006	samp_date	11/6/2006
lab_id	WW6011-3	lab_id	WW6011-3	lab_id	WW6011-3
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/L	units	UG/L	units	UG/L
Pct_Solids	0.0	Pct_Solids	0.0	Pct_Solids	0.0
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4,5-TETRACHLOROBENZENE	4	U	
1,2,4-TRICHLOROBENZENE	2	U	
1,3,5-TRINITROBENZENE	5	UJ	E
1,3-DINITROBENZENE	5	U	
1,4-NAPHTHOQUINONE	4	UR	E
1,4-PHENYLENEDIAMINE	5	UR	E
1-NAPHTHYLAMINE	3	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	3	UJ	C
2,3,4,6-TETRACHLOROPHENOL	6	U	
2,4,5-TRICHLOROPHENOL	6	U	
2,4,6-TRICHLOROPHENOL	6	U	
2,4-DICHLOROPHENOL	7	U	
2,4-DIMETHYLPHENOL	7	U	
2,4-DINITROPHENOL	22	U	
2,4-DINITROTOLUENE	4	U	
2,6-DICHLOROPHENOL	8	U	
2,6-DINITROTOLUENE	4	U	
2-ACETYLAMINOFLUORENE	4	U	
2-CHLORONAPHTHALENE	2	U	
2-CHLOROPHENOL	8	U	
2-METHYLNAPHTHALENE	4	U	
2-METHYLPHENOL	8	U	
2-NAPHTHYLAMINE	4	UJ	C
2-NITROANILINE	3	U	
2-NITROPHENOL	7	U	
2-PICOLINE	3	U	
3&4-METHYLPHENOL	8	U	
3,3'-DICHLOROBENZIDINE	3	UJ	C
3,3'-DIMETHYLBENZIDINE	6	U	
3-METHYLCHOLANTHRENE	6	U	
3-NITROANILINE	4	UR	C
4,6-DINITRO-2-METHYLPHENOL	10	U	

Parameter	Result	Val Qual	Qual Code
4-AMINOBIPHENYL	4	UJ	C
4-BROMOPHENYL PHENYL ETHER	3	U	
4-CHLORO-3-METHYLPHENOL	9	U	
4-CHLOROANILINE	4	UJ	C
4-CHLOROPHENYL PHENYL ETHER	3	U	
4-NITROANILINE	5	UR	C
4-NITROPHENOL	15	UJ	C
4-NITROQUINOLINE-1-OXIDE	9	UR	C
5-NITRO-O-TOLUIDINE	5	U	
7,12-DIMETHYLBENZ(A)ANTHRACENE	4	U	
A,A-DIMETHYLPHENETHYLAMINE	15	UR	E
ACENAPHTHENE	3	U	
ACENAPHTHYLENE	3	U	
ACETOPHENONE	5	U	
ANILINE	6	UJ	C
ANTHRACENE	3	U	
ARAMITE	8	UR	E
BENZO(A)ANTHRACENE	2	U	
BENZO(A)PYRENE	3	U	
BENZO(B)FLUORANTHENE	3	U	
BENZO(G,H,I)PERYLENE	8	U	
BENZO(K)FLUORANTHENE	4	U	
BENZYL ALCOHOL	8	U	
BIS(2-CHLOROETHOXY)METHANE	3	U	
BIS(2-CHLOROETHYL)ETHER	4	UJ	C
BIS(2-ETHYLHEXYL)PHTHALATE	7	UJ	C
BUTYL BENZYL PHTHALATE	6	UJ	C
CHLOROBENZILATE	7	UR	E
CHRYSENE	3	U	
DIALLATE	4	U	
DIBENZO(A,H)ANTHRACENE	7	U	
DIBENZOFURAN	3	U	

Parameter	Result	Val Qual	Qual Code
DIETHYL PHTHALATE	3	U	
DIMETHOATE	7	UR	E
DIMETHYL PHTHALATE	4	UR	E
DI-N-BUTYL PHTHALATE	7	U	
DI-N-OCTYL PHTHALATE	5	UJ	C
DINOSEB	5	U	
ETHYL METHANE SULFONATE	7	U	
ETHYL PARATHION	14	U	
FLUORANTHENE	8	U	
FLUORENE	3	U	
HEXACHLOROBENZENE	3	U	
HEXACHLOROBUTADIENE	2	U	
HEXACHLOROCYCLOPENTADIENE	2	U	
HEXACHLOROETHANE	3	U	
HEXACHLOROPHENE	5	UR	CE
HEXACHLOROPROPENE	3	UJ	E
INDENO(1,2,3-CD)PYRENE	7	UJ	C
ISODRIN	4	U	
ISOPHORONE	3	U	
ISOSAFROLE	5	U	
METHAPYRILENE	8	UJ	C
METHYL METHANE SULFONATE	7	U	
NAPHTHALENE	2	U	
NITROBENZENE	2	U	
N-NITROSODIETHYLAMINE	3	U	
N-NITROSODIMETHYLAMINE	4	U	
N-NITROSO-DI-N-BUTYLAMINE	8	U	
N-NITROSO-DI-N-PROPYLAMINE	4	U	
N-NITROSODIPHENYLAMINE	5	U	
N-NITROSOMETHYLETHYLAMINE	5	U	
N-NITROSOMORPHOLINE	4	U	
N-NITROSOPIPERIDINE	3	U	

PROJ_NO: 00436

SDG: CTO33-6 MEDIA: WATER DATA FRACTION: OS

nsample	MPT08-GW-MW21S-110606
samp_date	11/6/2006
lab_id	WW6011-3
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
N-NITROSOPYRROLIDINE	5	U	
O,O,O-TRIETHYL PHOSPHOROTHIOATE	3	U	
O-TOLUIDINE	10	U	
P-(DIMETHYLAMINO)AZOBENZENE	6	U	
PENTACHLOROBENZENE	3	U	
PENTACHLORONITROBENZENE	4	U	
PENTACHLOROPHENOL	16	U	
PHENACETIN	6	U	
PHENANTHRENE	3	U	
PHENOL	8	U	
PRONAMIDE	5	U	
PYRENE	6	U	
PYRIDINE	2	U	
SAFROLE	3	U	
SULFOTEPP	3	U	
THIONAZIN	4	U	

nsample	MPT08-GW-MW22S-110606
samp_date	11/6/2006
lab_id	WW6011-2
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4,5-TETRACHLOROBENZENE	4	U	
1,2,4-TRICHLOROBENZENE	2	U	
1,3,5-TRINITROBENZENE	5	UJ	E
1,3-DINITROBENZENE	5	U	
1,4-NAPHTHOQUINONE	4	UR	E
1,4-PHENYLENEDIAMINE	5	UR	E
1-NAPHTHYLAMINE	3	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	3	UJ	C
2,3,4,6-TETRACHLOROPHENOL	6	U	
2,4,5-TRICHLOROPHENOL	6	U	
2,4,6-TRICHLOROPHENOL	6	U	
2,4-DICHLOROPHENOL	7	U	
2,4-DIMETHYLPHENOL	7	U	
2,4-DINITROPHENOL	22	U	
2,4-DINITROTOLUENE	4	U	
2,6-DICHLOROPHENOL	8	U	
2,6-DINITROTOLUENE	4	U	
2-ACETYLAMINOFLUORENE	4	U	
2-CHLORONAPHTHALENE	2	U	
2-CHLOROPHENOL	8	U	
2-METHYLNAPHTHALENE	4	U	
2-METHYLPHENOL	8	U	
2-NAPHTHYLAMINE	4	UJ	C
2-NITROANILINE	3	U	
2-NITROPHENOL	7	U	
2-PICOLINE	3	U	
3&4-METHYLPHENOL	8	U	
3,3'-DICHLOROBENZIDINE	3	UJ	C
3,3'-DIMETHYLBENZIDINE	6	U	
3-METHYLCHOLANTHRENE	6	U	
3-NITROANILINE	4	UR	C
4,6-DINITRO-2-METHYLPHENOL	10	U	

nsample	MPT08-GW-MW22S-110606
samp_date	11/6/2006
lab_id	WW6011-2
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
4-AMINOBIPHENYL	4	UJ	C
4-BROMOPHENYL PHENYL ETHER	3	U	
4-CHLORO-3-METHYLPHENOL	9	U	
4-CHLOROANILINE	4	UJ	C
4-CHLOROPHENYL PHENYL ETHER	3	U	
4-NITROANILINE	5	UR	C
4-NITROPHENOL	15	UJ	C
4-NITROQUINOLINE-1-OXIDE	9	UR	C
5-NITRO-O-TOLUIDINE	5	U	
7,12-DIMETHYLBENZ(A)ANTHRACENE	4	U	
A,A-DIMETHYLPHENETHYLAMINE	15	UR	E
ACENAPHTHENE	3	U	
ACENAPHTHYLENE	3	U	
ACETOPHENONE	5	U	
ANILINE	6	UJ	C
ANTHRACENE	3	U	
ARAMITE	8	UR	E
BENZO(A)ANTHRACENE	2	U	
BENZO(A)PYRENE	3	U	
BENZO(B)FLUORANTHENE	3	U	
BENZO(G,H,I)PERYLENE	8	U	
BENZO(K)FLUORANTHENE	4	U	
BENZYL ALCOHOL	8	U	
BIS(2-CHLOROETHOXY)METHANE	3	U	
BIS(2-CHLOROETHYL)ETHER	4	UJ	C
BIS(2-ETHYLHEXYL)PHTHALATE	7	UJ	C
BUTYL BENZYL PHTHALATE	6	UJ	C
CHLOROBENZILATE	7	UR	E
CHRYSENE	3	U	
DIALLATE	4	U	
DIBENZO(A,H)ANTHRACENE	7	U	
DIBENZOFURAN	3	U	

PROJ_NO: 00436

SDG: CTO33-6 MEDIA: WATER DATA FRACTION: OS

nsample	MPT08-GW-MW22S-110606
samp_date	11/6/2006
lab_id	WW6011-2
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
DIETHYL PHTHALATE	3	U	
DIMETHOATE	7	UR	E
DIMETHYL PHTHALATE	4	UR	E
DI-N-BUTYL PHTHALATE	7	U	
DI-N-OCTYL PHTHALATE	5	UJ	C
DINOSEB	5	U	
ETHYL METHANE SULFONATE	7	U	
ETHYL PARATHION	14	U	
FLUORANTHENE	8	U	
FLUORENE	3	U	
HEXACHLOROBENZENE	3	U	
HEXACHLOROBUTADIENE	2	U	
HEXACHLOROCYCLOPENTADIENE	2	U	
HEXACHLOROETHANE	3	U	
HEXACHLOROPHENE	5	UR	CE
HEXACHLOROPROPENE	3	UJ	E
INDENO(1,2,3-CD)PYRENE	7	UJ	C
ISODRIN	4	U	
ISOPHORONE	3	U	
ISOSAFROLE	5	U	
METHAPYRILENE	8	UJ	C
METHYL METHANE SULFONATE	7	U	
NAPHTHALENE	2	U	
NITROBENZENE	2	U	
N-NITROSODIETHYLAMINE	3	U	
N-NITROSODIMETHYLAMINE	4	U	
N-NITROSO-DI-N-BUTYLAMINE	8	U	
N-NITROSO-DI-N-PROPYLAMINE	4	U	
N-NITROSODIPHENYLAMINE	5	U	
N-NITROSOMETHYLETHYLAMINE	5	U	
N-NITROSOMORPHOLINE	4	U	
N-NITROSOPIPERIDINE	3	U	

nsample	MPT08-GW-MW22S-110606
samp_date	11/6/2006
lab_id	WW6011-2
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
N-NITROSOPYRROLIDINE	5	U	
O,O,O-TRIETHYL PHOSPHOROTHIOATE	3	U	
O-TOLUIDINE	10	U	
P-(DIMETHYLAMINO)AZOBENZENE	6	U	
PENTACHLOROBENZENE	3	U	
PENTACHLORONITROBENZENE	4	U	
PENTACHLOROPHENOL	16	U	
PHENACETIN	6	U	
PHENANTHRENE	3	U	
PHENOL	8	U	
PRONAMIDE	5	U	
PYRENE	6	U	
PYRIDINE	2	U	
SAFROLE	3	U	
SULFOTEPP	3	U	
THIONAZIN	4	U	

nsample	MPT09-GW-MW04S-110706
samp_date	11/7/2006
lab_id	WW6039-2
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4,5-TETRACHLOROBENZENE	4	U	
1,2,4-TRICHLOROBENZENE	2	U	
1,3,5-TRINITROBENZENE	5	UJ	E
1,3-DINITROBENZENE	5	U	
1,4-NAPHTHOQUINONE	4	UR	E
1,4-PHENYLENEDIAMINE	5	UR	E
1-NAPHTHYLAMINE	3	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	3	UJ	C
2,3,4,6-TETRACHLOROPHENOL	6	U	
2,4,5-TRICHLOROPHENOL	6	U	
2,4,6-TRICHLOROPHENOL	6	U	
2,4-DICHLOROPHENOL	7	U	
2,4-DIMETHYLPHENOL	7	U	
2,4-DINITROPHENOL	22	U	
2,4-DINITROTOLUENE	4	U	
2,6-DICHLOROPHENOL	8	U	
2,6-DINITROTOLUENE	4	U	
2-ACETYLAMINOFLUORENE	4	U	
2-CHLORONAPHTHALENE	2	U	
2-CHLOROPHENOL	8	U	
2-METHYLNAPHTHALENE	4	U	
2-METHYLPHENOL	8	U	
2-NAPHTHYLAMINE	4	UJ	C
2-NITROANILINE	3	U	
2-NITROPHENOL	7	U	
2-PICOLINE	3	U	
3&4-METHYLPHENOL	8	U	
3,3'-DICHLOROBENZIDINE	3	UJ	C
3,3'-DIMETHYLBENZIDINE	6	U	
3-METHYLCHOLANTHRENE	6	U	
3-NITROANILINE	4	UR	C
4,6-DINITRO-2-METHYLPHENOL	10	U	

PROJ_NO: 00436

SDG: CTO33-6 MEDIA: WATER DATA FRACTION: OS

nsample	MPT09-GW-MW04S-110706
samp_date	11/7/2006
lab_id	WW6039-2
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
4-AMINOBIPHENYL	4	UJ	C
4-BROMOPHENYL PHENYL ETHER	3	U	
4-CHLORO-3-METHYLPHENOL	9	U	
4-CHLOROANILINE	4	UJ	C
4-CHLOROPHENYL PHENYL ETHER	3	U	
4-NITROANILINE	5	UR	C
4-NITROPHENOL	15	UJ	C
4-NITROQUINOLINE-1-OXIDE	9	UR	C
5-NITRO-O-TOLUIDINE	5	U	
7,12-DIMETHYLBENZ(A)ANTHRACENE	4	U	
A,A-DIMETHYLPHENETHYLAMINE	15	UR	E
ACENAPHTHENE	3	U	
ACENAPHTHYLENE	3	U	
ACETOPHENONE	5	U	
ANILINE	6	UJ	C
ANTHRACENE	3	U	
ARAMITE	8	UR	E
BENZO(A)ANTHRACENE	2	U	
BENZO(A)PYRENE	3	U	
BENZO(B)FLUORANTHENE	3	U	
BENZO(G,H,I)PERYLENE	8	U	
BENZO(K)FLUORANTHENE	4	U	
BENZYL ALCOHOL	8	U	
BIS(2-CHLOROETHOXY)METHANE	3	U	
BIS(2-CHLOROETHYL)ETHER	4	UJ	C
BIS(2-ETHYLHEXYL)PHTHALATE	7	UJ	C
BUTYL BENZYL PHTHALATE	6	UJ	C
CHLOROBENZILATE	7	UR	E
CHRYSENE	3	U	
DIALLATE	4	U	
DIBENZO(A,H)ANTHRACENE	7	U	
DIBENZOFURAN	3	U	

nsample	MPT09-GW-MW04S-110706
samp_date	11/7/2006
lab_id	WW6039-2
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
DIETHYL PHTHALATE	3	U	
DIMETHOATE	7	UR	E
DIMETHYL PHTHALATE	4	UR	E
DI-N-BUTYL PHTHALATE	7	U	
DI-N-OCTYL PHTHALATE	5	UJ	C
DINOSEB	5	U	
ETHYL METHANE SULFONATE	7	U	
ETHYL PARATHION	14	U	
FLUORANTHENE	8	U	
FLUORENE	3	U	
HEXACHLOROBENZENE	3	U	
HEXACHLOROBUTADIENE	2	U	
HEXACHLOROCYCLOPENTADIENE	2	U	
HEXACHLOROETHANE	3	U	
HEXACHLOROPHENE	5	UR	CE
HEXACHLOROPROPENE	3	UJ	E
INDENO(1,2,3-CD)PYRENE	7	UJ	C
ISODRIN	4	U	
ISOPHORONE	3	U	
ISOSAFROLE	5	U	
METHAPYRILENE	8	UJ	C
METHYL METHANE SULFONATE	7	U	
NAPHTHALENE	2	U	
NITROBENZENE	2	U	
N-NITROSODIETHYLAMINE	3	U	
N-NITROSODIMETHYLAMINE	4	U	
N-NITROSO-DI-N-BUTYLAMINE	8	U	
N-NITROSO-DI-N-PROPYLAMINE	4	U	
N-NITROSODIPHENYLAMINE	5	U	
N-NITROSOMETHYLETHYLAMINE	5	U	
N-NITROSOMORPHOLINE	4	U	
N-NITROSOPIPERIDINE	3	U	

nsample	MPT09-GW-MW04S-110706
samp_date	11/7/2006
lab_id	WW6039-2
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
N-NITROSOPYRROLIDINE	5	U	
O,O,O-TRIETHYL PHOSPHOROTHIOATE	3	U	
O-TOLUIDINE	10	U	
P-(DIMETHYLAMINO)AZOBENZENE	6	U	
PENTACHLOROBENZENE	3	U	
PENTACHLORONITROBENZENE	4	U	
PENTACHLOROPHENOL	16	U	
PHENACETIN	6	U	
PHENANTHRENE	3	U	
PHENOL	8	U	
PRONAMIDE	5	U	
PYRENE	6	U	
PYRIDINE	2	U	
SAFROLE	3	U	
SULFOTEPP	3	U	
THIONAZIN	4	U	

PROJ_NO: 00436

SDG: CTO33-6 MEDIA: WATER DATA FRACTION: OS

nsample	MPT09-GW-MW05S-110706
samp_date	11/7/2006
lab_id	WW6039-3
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4,5-TETRACHLOROBENZENE	4	U	
1,2,4-TRICHLOROBENZENE	2	U	
1,3,5-TRINITROBENZENE	5	UJ	E
1,3-DINITROBENZENE	5	U	
1,4-NAPHTHOQUINONE	4	UR	E
1,4-PHENYLENEDIAMINE	5	UR	E
1-NAPHTHYLAMINE	3	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	3	UJ	C
2,3,4,6-TETRACHLOROPHENOL	6	U	
2,4,5-TRICHLOROPHENOL	6	U	
2,4,6-TRICHLOROPHENOL	6	U	
2,4-DICHLOROPHENOL	7	U	
2,4-DIMETHYLPHENOL	7	U	
2,4-DINITROPHENOL	22	U	
2,4-DINITROTOLUENE	4	U	
2,6-DICHLOROPHENOL	8	U	
2,6-DINITROTOLUENE	4	U	
2-ACETYLAMINOFLUORENE	4	U	
2-CHLORONAPHTHALENE	2	U	
2-CHLOROPHENOL	8	U	
2-METHYLNAPHTHALENE	4	U	
2-METHYLPHENOL	8	U	
2-NAPHTHYLAMINE	4	UJ	C
2-NITROANILINE	3	U	
2-NITROPHENOL	7	U	
2-PICOLINE	3	U	
3&4-METHYLPHENOL	8	U	
3,3'-DICHLOROBENZIDINE	3	UJ	C
3,3'-DIMETHYLBENZIDINE	6	U	
3-METHYLCHOLANTHRENE	6	U	
3-NITROANILINE	4	UR	C
4,6-DINITRO-2-METHYLPHENOL	10	U	

nsample	MPT09-GW-MW05S-110706
samp_date	11/7/2006
lab_id	WW6039-3
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
4-AMINOBIPHENYL	4	UJ	C
4-BROMOPHENYL PHENYL ETHER	3	U	
4-CHLORO-3-METHYLPHENOL	9	U	
4-CHLOROANILINE	4	UJ	C
4-CHLOROPHENYL PHENYL ETHER	3	U	
4-NITROANILINE	5	UR	C
4-NITROPHENOL	15	UJ	C
4-NITROQUINOLINE-1-OXIDE	9	UR	C
5-NITRO-O-TOLUIDINE	5	U	
7,12-DIMETHYLBENZ(A)ANTHRACENE	4	U	
A,A-DIMETHYLPHENETHYLAMINE	15	UR	E
ACENAPHTHENE	3	U	
ACENAPHTHYLENE	3	U	
ACETOPHENONE	5	U	
ANILINE	6	UJ	C
ANTHRACENE	3	U	
ARAMITE	8	UR	E
BENZO(A)ANTHRACENE	2	U	
BENZO(A)PYRENE	3	U	
BENZO(B)FLUORANTHENE	3	U	
BENZO(G,H,I)PERYLENE	8	U	
BENZO(K)FLUORANTHENE	4	U	
BENZYL ALCOHOL	8	U	
BIS(2-CHLOROETHOXY)METHANE	3	U	
BIS(2-CHLOROETHYL)ETHER	4	UJ	C
BIS(2-ETHYLHEXYL)PHTHALATE	7	UJ	C
BUTYL BENZYL PHTHALATE	6	UJ	C
CHLOROBENZILATE	7	UR	E
CHRYSENE	3	U	
DIALLATE	4	U	
DIBENZO(A,H)ANTHRACENE	7	U	
DIBENZOFURAN	3	U	

nsample	MPT09-GW-MW05S-110706
samp_date	11/7/2006
lab_id	WW6039-3
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
DIETHYL PHTHALATE	3	U	
DIMETHOATE	7	UR	E
DIMETHYL PHTHALATE	4	UR	E
DI-N-BUTYL PHTHALATE	7	U	
DI-N-OCTYL PHTHALATE	5	UJ	C
DINOSEB	5	U	
ETHYL METHANE SULFONATE	7	U	
ETHYL PARATHION	14	U	
FLUORANTHENE	8	U	
FLUORENE	3	U	
HEXACHLOROBENZENE	3	U	
HEXACHLOROBUTADIENE	2	U	
HEXACHLOROCYCLOPENTADIENE	2	U	
HEXACHLOROETHANE	3	U	
HEXACHLOROPHENE	5	UR	CE
HEXACHLOROPROPENE	3	UJ	E
INDENO(1,2,3-CD)PYRENE	7	UJ	C
ISODRIN	4	U	
ISOPHORONE	3	U	
ISOSAFROLE	5	U	
METHAPYRILENE	8	UJ	C
METHYL METHANE SULFONATE	7	U	
NAPHTHALENE	2	U	
NITROBENZENE	2	U	
N-NITROSODIETHYLAMINE	3	U	
N-NITROSODIMETHYLAMINE	4	U	
N-NITROSO-DI-N-BUTYLAMINE	8	U	
N-NITROSO-DI-N-PROPYLAMINE	4	U	
N-NITROSODIPHENYLAMINE	5	U	
N-NITROSOMETHYLETHYLAMINE	5	U	
N-NITROSOMORPHOLINE	4	U	
N-NITROSOPIPERIDINE	3	U	

PROJ_NO: 00436

SDG: CTO33-6 MEDIA: WATER DATA FRACTION: OS

nsample	MPT09-GW-MW05S-110706
samp_date	11/7/2006
lab_id	WW6039-3
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
N-NITROSOPYRROLIDINE	5	U	
O,O,O-TRIETHYL PHOSPHOROTHIOATE	3	U	
O-TOLUIDINE	10	U	
P-(DIMETHYLAMINO)AZOBENZENE	6	U	
PENTACHLOROBENZENE	3	U	
PENTACHLORONITROBENZENE	4	U	
PENTACHLOROPHENOL	16	U	
PHENACETIN	6	U	
PHENANTHRENE	3	U	
PHENOL	8	U	
PRONAMIDE	5	U	
PYRENE	6	U	
PYRIDINE	2	U	
SAFROLE	3	U	
SULFOTEPP	3	U	
THIONAZIN	4	U	

nsample	MPT09-GW-MW06S-110606
samp_date	11/6/2006
lab_id	WW6011-4
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4,5-TETRACHLOROBENZENE	4	U	
1,2,4-TRICHLOROBENZENE	2	U	
1,3,5-TRINITROBENZENE	5	UJ	E
1,3-DINITROBENZENE	5	U	
1,4-NAPHTHOQUINONE	4	UR	E
1,4-PHENYLENEDIAMINE	5	UR	E
1-NAPHTHYLAMINE	3	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	3	UJ	C
2,3,4,6-TETRACHLOROPHENOL	6	U	
2,4,5-TRICHLOROPHENOL	6	U	
2,4,6-TRICHLOROPHENOL	6	U	
2,4-DICHLOROPHENOL	7	U	
2,4-DIMETHYLPHENOL	7	U	
2,4-DINITROPHENOL	22	U	
2,4-DINITROTOLUENE	4	U	
2,6-DICHLOROPHENOL	8	U	
2,6-DINITROTOLUENE	4	U	
2-ACETYLAMINOFLUORENE	4	U	
2-CHLORONAPHTHALENE	2	U	
2-CHLOROPHENOL	8	U	
2-METHYLNAPHTHALENE	4	U	
2-METHYLPHENOL	8	U	
2-NAPHTHYLAMINE	4	UJ	C
2-NITROANILINE	3	U	
2-NITROPHENOL	7	U	
2-PICOLINE	3	U	
3&4-METHYLPHENOL	8	U	
3,3'-DICHLOROBENZIDINE	3	UJ	C
3,3'-DIMETHYLBENZIDINE	6	U	
3-METHYLCHOLANTHRENE	6	U	
3-NITROANILINE	4	UR	C
4,6-DINITRO-2-METHYLPHENOL	10	U	

nsample	MPT09-GW-MW06S-110606
samp_date	11/6/2006
lab_id	WW6011-4
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
4-AMINOBIPHENYL	4	UJ	C
4-BROMOPHENYL PHENYL ETHER	3	U	
4-CHLORO-3-METHYLPHENOL	9	U	
4-CHLOROANILINE	4	UJ	C
4-CHLOROPHENYL PHENYL ETHER	3	U	
4-NITROANILINE	5	UR	C
4-NITROPHENOL	15	UJ	C
4-NITROQUINOLINE-1-OXIDE	9	UR	C
5-NITRO-O-TOLUIDINE	5	U	
7,12-DIMETHYLBENZ(A)ANTHRACENE	4	U	
A,A-DIMETHYLPHENETHYLAMINE	15	UR	E
ACENAPHTHENE	3	U	
ACENAPHTHYLENE	3	U	
ACETOPHENONE	5	U	
ANILINE	6	UJ	C
ANTHRACENE	3	U	
ARAMITE	8	UR	E
BENZO(A)ANTHRACENE	2	U	
BENZO(A)PYRENE	3	U	
BENZO(B)FLUORANTHENE	3	U	
BENZO(G,H,I)PERYLENE	8	U	
BENZO(K)FLUORANTHENE	4	U	
BENZYL ALCOHOL	8	U	
BIS(2-CHLOROETHOXY)METHANE	3	U	
BIS(2-CHLOROETHYL)ETHER	4	UJ	C
BIS(2-ETHYLHEXYL)PHTHALATE	7	UJ	C
BUTYL BENZYL PHTHALATE	6	UJ	C
CHLOROBENZILATE	7	UR	E
CHRYSENE	3	U	
DIALLATE	4	U	
DIBENZO(A,H)ANTHRACENE	7	U	
DIBENZOFURAN	3	U	

PROJ_NO: 00436

SDG: CTO33-6 MEDIA: WATER DATA FRACTION: OS

nsample	MPT09-GW-MW06S-110606
samp_date	11/6/2006
lab_id	WW6011-4
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
DIETHYL PHTHALATE	3	U	
DIMETHOATE	7	UR	E
DIMETHYL PHTHALATE	4	UR	E
DI-N-BUTYL PHTHALATE	7	U	
DI-N-OCTYL PHTHALATE	5	UJ	C
DINOSEB	5	U	
ETHYL METHANE SULFONATE	7	U	
ETHYL PARATHION	14	U	
FLUORANTHENE	8	U	
FLUORENE	3	U	
HEXACHLOROBENZENE	3	U	
HEXACHLOROBUTADIENE	2	U	
HEXACHLOROCYCLOPENTADIENE	2	U	
HEXACHLOROETHANE	3	U	
HEXACHLOROPHENE	5	UR	CE
HEXACHLOROPROPENE	3	UJ	E
INDENO(1,2,3-CD)PYRENE	7	UJ	C
ISODRIN	4	U	
ISOPHORONE	3	U	
ISOSAFROLE	5	U	
METHAPYRILENE	8	UJ	C
METHYL METHANE SULFONATE	7	U	
NAPHTHALENE	2	U	
NITROBENZENE	2	U	
N-NITROSODIETHYLAMINE	3	U	
N-NITROSODIMETHYLAMINE	4	U	
N-NITROSO-DI-N-BUTYLAMINE	8	U	
N-NITROSO-DI-N-PROPYLAMINE	4	U	
N-NITROSODIPHENYLAMINE	5	U	
N-NITROSOMETHYLETHYLAMINE	5	U	
N-NITROSOMORPHOLINE	4	U	
N-NITROSOPIPERIDINE	3	U	

nsample	MPT09-GW-MW06S-110606
samp_date	11/6/2006
lab_id	WW6011-4
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
N-NITROSOPYRROLIDINE	5	U	
O,O,O-TRIETHYL PHOSPHOROTHIOATE	3	U	
O-TOLUIDINE	10	U	
P-(DIMETHYLAMINO)AZOBENZENE	6	U	
PENTACHLOROBENZENE	3	U	
PENTACHLORONITROBENZENE	4	U	
PENTACHLOROPHENOL	16	U	
PHENACETIN	6	U	
PHENANTHRENE	3	U	
PHENOL	8	U	
PRONAMIDE	5	U	
PYRENE	6	U	
PYRIDINE	2	U	
SAFROLE	3	U	
SULFOTEPP	3	U	
THIONAZIN	4	U	

nsample	MPT09-GW-MW06S-110706
samp_date	11/7/2006
lab_id	WW6039-1
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4,5-TETRACHLOROBENZENE	4	U	
1,2,4-TRICHLOROBENZENE	2	U	
1,3,5-TRINITROBENZENE	5	UJ	E
1,3-DINITROBENZENE	5	U	
1,4-NAPHTHOQUINONE	4	UR	E
1,4-PHENYLENEDIAMINE	5	UR	E
1-NAPHTHYLAMINE	3	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	3	UJ	C
2,3,4,6-TETRACHLOROPHENOL	6	U	
2,4,5-TRICHLOROPHENOL	6	U	
2,4,6-TRICHLOROPHENOL	6	U	
2,4-DICHLOROPHENOL	7	U	
2,4-DIMETHYLPHENOL	7	U	
2,4-DINITROPHENOL	22	U	
2,4-DINITROTOLUENE	4	U	
2,6-DICHLOROPHENOL	8	U	
2,6-DINITROTOLUENE	4	U	
2-ACETYLAMINOFLUORENE	4	U	
2-CHLORONAPHTHALENE	2	U	
2-CHLOROPHENOL	8	U	
2-METHYLNAPHTHALENE	4	U	
2-METHYLPHENOL	8	U	
2-NAPHTHYLAMINE	4	UJ	C
2-NITROANILINE	3	U	
2-NITROPHENOL	7	U	
2-PICOLINE	3	U	
3&4-METHYLPHENOL	8	U	
3,3'-DICHLOROBENZIDINE	3	UJ	C
3,3'-DIMETHYLBENZIDINE	6	U	
3-METHYLCHOLANTHRENE	6	U	
3-NITROANILINE	4	UR	C
4,6-DINITRO-2-METHYLPHENOL	10	U	

PROJ_NO: 00436

SDG: CTO33-6 MEDIA: WATER DATA FRACTION: OS

nsample	MPT09-GW-MW06S-110706
samp_date	11/7/2006
lab_id	WW6039-1
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
4-AMINOBIPHENYL	4	UJ	C
4-BROMOPHENYL PHENYL ETHER	3	U	
4-CHLORO-3-METHYLPHENOL	9	U	
4-CHLOROANILINE	4	UJ	C
4-CHLOROPHENYL PHENYL ETHER	3	U	
4-NITROANILINE	5	UR	C
4-NITROPHENOL	15	UJ	C
4-NITROQUINOLINE-1-OXIDE	9	UR	C
5-NITRO-O-TOLUIDINE	5	U	
7,12-DIMETHYLBENZ(A)ANTHRACENE	4	U	
A,A-DIMETHYLPHENETHYLAMINE	15	UR	E
ACENAPHTHENE	3	U	
ACENAPHTHYLENE	3	U	
ACETOPHENONE	5	U	
ANILINE	6	UJ	C
ANTHRACENE	3	U	
ARAMITE	8	UR	E
BENZO(A)ANTHRACENE	2	U	
BENZO(A)PYRENE	3	U	
BENZO(B)FLUORANTHENE	3	U	
BENZO(G,H,I)PERYLENE	8	U	
BENZO(K)FLUORANTHENE	4	U	
BENZYL ALCOHOL	8	U	
BIS(2-CHLOROETHOXY)METHANE	3	U	
BIS(2-CHLOROETHYL)ETHER	4	UJ	C
BIS(2-ETHYLHEXYL)PHTHALATE	7	UJ	C
BUTYL BENZYL PHTHALATE	6	UJ	C
CHLOROBENZILATE	7	UR	E
CHRYSENE	3	U	
DIALLATE	4	U	
DIBENZO(A,H)ANTHRACENE	7	U	
DIBENZOFURAN	3	U	

nsample	MPT09-GW-MW06S-110706
samp_date	11/7/2006
lab_id	WW6039-1
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
DIETHYL PHTHALATE	3	U	
DIMETHOATE	7	UR	E
DIMETHYL PHTHALATE	4	UR	E
DI-N-BUTYL PHTHALATE	7	U	
DI-N-OCTYL PHTHALATE	5	UJ	C
DINOSEB	5	U	
ETHYL METHANE SULFONATE	7	U	
ETHYL PARATHION	14	U	
FLUORANTHENE	8	U	
FLUORENE	3	U	
HEXACHLOROBENZENE	3	U	
HEXACHLOROBUTADIENE	2	U	
HEXACHLOROCYCLOPENTADIENE	2	U	
HEXACHLOROETHANE	3	U	
HEXACHLOROPHENE	5	UR	CE
HEXACHLOROPROPENE	3	UJ	E
INDENO(1,2,3-CD)PYRENE	7	UJ	C
ISODRIN	4	U	
ISOPHORONE	3	U	
ISOSAFROLE	5	U	
METHAPYRILENE	8	UJ	C
METHYL METHANE SULFONATE	7	U	
NAPHTHALENE	2	U	
NITROBENZENE	2	U	
N-NITROSODIETHYLAMINE	3	U	
N-NITROSODIMETHYLAMINE	4	U	
N-NITROSO-DI-N-BUTYLAMINE	8	U	
N-NITROSO-DI-N-PROPYLAMINE	4	U	
N-NITROSODIPHENYLAMINE	5	U	
N-NITROSOMETHYLETHYLAMINE	5	U	
N-NITROSOMORPHOLINE	4	U	
N-NITROSOPIPERIDINE	3	U	

nsample	MPT09-GW-MW06S-110706
samp_date	11/7/2006
lab_id	WW6039-1
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
N-NITROSOPYRROLIDINE	5	U	
O,O,O-TRIETHYL PHOSPHOROTHIOATE	3	U	
O-TOLUIDINE	10	U	
P-(DIMETHYLAMINO)AZOBENZENE	6	U	
PENTACHLOROBENZENE	3	U	
PENTACHLORONITROBENZENE	4	U	
PENTACHLOROPHENOL	16	U	
PHENACETIN	6	U	
PHENANTHRENE	3	U	
PHENOL	8	U	
PRONAMIDE	5	U	
PYRENE	6	U	
PYRIDINE	2	U	
SAFROLE	3	U	
SULFOTEPP	3	U	
THIONAZIN	4	U	

PROJ_NO: 00436

SDG: CTO33-6 MEDIA: WATER DATA FRACTION: OS

nsample	MPT09-GW-RB01-110706	nsample	MPT09-GW-RB01-110706	nsample	MPT09-GW-RB01-110706
samp_date	11/7/2006	samp_date	11/7/2006	samp_date	11/7/2006
lab_id	WW6039-4	lab_id	WW6039-4	lab_id	WW6039-4
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/L	units	UG/L	units	UG/L
Pct_Solids	0.0	Pct_Solids	0.0	Pct_Solids	0.0
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4,5-TETRACHLOROBENZENE	4	U	
1,2,4-TRICHLOROBENZENE	2	U	
1,3,5-TRINITROBENZENE	6	UJ	E
1,3-DINITROBENZENE	5	U	
1,4-NAPHTHOQUINONE	4	UR	E
1,4-PHENYLENEDIAMINE	5	UR	E
1-NAPHTHYLAMINE	3	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	4	UJ	C
2,3,4,6-TETRACHLOROPHENOL	6	U	
2,4,5-TRICHLOROPHENOL	7	U	
2,4,6-TRICHLOROPHENOL	7	U	
2,4-DICHLOROPHENOL	7	U	
2,4-DIMETHYLPHENOL	7	U	
2,4-DINITROPHENOL	23	U	
2,4-DINITROTOLUENE	4	U	
2,6-DICHLOROPHENOL	8	U	
2,6-DINITROTOLUENE	4	U	
2-ACETYLAMINOFLUORENE	5	U	
2-CHLORONAPHTHALENE	3	U	
2-CHLOROPHENOL	8	U	
2-METHYLNAPHTHALENE	4	U	
2-METHYLPHENOL	8	U	
2-NAPHTHYLAMINE	4	UJ	C
2-NITROANILINE	3	U	
2-NITROPHENOL	7	U	
2-PICOLINE	3	U	
3&4-METHYLPHENOL	9	U	
3,3'-DICHLOROBENZIDINE	4	UJ	C
3,3'-DIMETHYLBENZIDINE	6	U	
3-METHYLCHOLANTHRENE	6	U	
3-NITROANILINE	4	UR	C
4,6-DINITRO-2-METHYLPHENOL	11	U	

Parameter	Result	Val Qual	Qual Code
4-AMINOBIPHENYL	4	UJ	C
4-BROMOPHENYL PHENYL ETHER	3	U	
4-CHLORO-3-METHYLPHENOL	10	U	
4-CHLOROANILINE	5	UJ	C
4-CHLOROPHENYL PHENYL ETHER	4	U	
4-NITROANILINE	5	UR	C
4-NITROPHENOL	16	UJ	C
4-NITROQUINOLINE-1-OXIDE	10	UR	C
5-NITRO-O-TOLUIDINE	5	U	
7,12-DIMETHYLBENZ(A)ANTHRACENE	4	U	
A,A-DIMETHYLPHENETHYLAMINE	16	UR	E
ACENAPHTHENE	3	U	
ACENAPHTHYLENE	3	U	
ACETOPHENONE	5	U	
ANILINE	6	UJ	C
ANTHRACENE	3	U	
ARAMITE	8	UR	E
BENZO(A)ANTHRACENE	3	U	
BENZO(A)PYRENE	3	U	
BENZO(B)FLUORANTHENE	4	U	
BENZO(G,H,I)PERYLENE	8	U	
BENZO(K)FLUORANTHENE	5	U	
BENZYL ALCOHOL	9	U	
BIS(2-CHLOROETHOXY)METHANE	4	U	
BIS(2-CHLOROETHYL)ETHER	4	UJ	C
BIS(2-ETHYLHEXYL)PHTHALATE	8	UJ	C
BUTYL BENZYL PHTHALATE	6	UJ	C
CHLOROBENZILATE	8	UR	E
CHRYSENE	3	U	
DIALLATE	4	U	
DIBENZO(A,H)ANTHRACENE	7	U	
DIBENZOFURAN	3	U	

Parameter	Result	Val Qual	Qual Code
DIETHYL PHTHALATE	3	U	
DIMETHOATE	8	UR	E
DIMETHYL PHTHALATE	4	UR	E
DI-N-BUTYL PHTHALATE	7	U	
DI-N-OCTYL PHTHALATE	5	UJ	C
DINOSEB	5	U	
ETHYL METHANE SULFONATE	7	U	
ETHYL PARATHION	14	U	
FLUORANTHENE	8	U	
FLUORENE	3	U	
HEXACHLOROBENZENE	3	U	
HEXACHLOROBUTADIENE	2	U	
HEXACHLOROCYCLOPENTADIENE	3	U	
HEXACHLOROETHANE	3	U	
HEXACHLOROPHENE	5	UR	CE
HEXACHLOROPROPENE	3	UJ	E
INDENO(1,2,3-CD)PYRENE	7	UJ	C
ISODRIN	4	U	
ISOPHORONE	3	U	
ISOSAFROLE	5	U	
METHAPYRILENE	9	UJ	C
METHYL METHANE SULFONATE	7	U	
NAPHTHALENE	3	U	
NITROBENZENE	2	U	
N-NITROSODIETHYLAMINE	4	U	
N-NITROSODIMETHYLAMINE	5	U	
N-NITROSO-DI-N-BUTYLAMINE	8	U	
N-NITROSO-DI-N-PROPYLAMINE	4	U	
N-NITROSODIPHENYLAMINE	5	U	
N-NITROSOMETHYLETHYLAMINE	5	U	
N-NITROSOMORPHOLINE	4	U	
N-NITROSOPIPERIDINE	3	U	

PROJ_NO: 00436

SDG: CTO33-6 MEDIA: WATER DATA FRACTION: OS

nsample	MPT09-GW-RB01-110706
samp_date	11/7/2006
lab_id	WW6039-4
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
N-NITROSOPYRROLIDINE	6	U	
O,O,O-TRIETHYL PHOSPHOROTHIOATE	3	U	
O-TOLUIDINE	10	U	
P-(DIMETHYLAMINO)AZOBENZENE	6	U	
PENTACHLOROBENZENE	3	U	
PENTACHLORONITROBENZENE	4	U	
PENTACHLOROPHENOL	17	U	
PHENACETIN	6	U	
PHENANTHRENE	3	U	
PHENOL	9	U	
PRONAMIDE	5	U	
PYRENE	7	U	
PYRIDINE	2	U	
SAFROLE	3	U	
SULFOTEPP	3	U	
THIONAZIN	4	U	

nsample	MPT10-GW-MW01S-110606
samp_date	11/6/2006
lab_id	WW6011-1
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4,5-TETRACHLOROBENZENE	4	U	
1,2,4-TRICHLOROBENZENE	2	U	
1,3,5-TRINITROBENZENE	5	UJ	E
1,3-DINITROBENZENE	5	U	
1,4-NAPHTHOQUINONE	4	UR	E
1,4-PHENYLENEDIAMINE	5	UR	E
1-NAPHTHYLAMINE	3	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	3	UJ	C
2,3,4,6-TETRACHLOROPHENOL	6	U	
2,4,5-TRICHLOROPHENOL	6	U	
2,4,6-TRICHLOROPHENOL	6	U	
2,4-DICHLOROPHENOL	7	U	
2,4-DIMETHYLPHENOL	7	U	
2,4-DINITROPHENOL	22	U	
2,4-DINITROTOLUENE	4	U	
2,6-DICHLOROPHENOL	8	U	
2,6-DINITROTOLUENE	4	U	
2-ACETYLAMINOFLUORENE	4	U	
2-CHLORONAPHTHALENE	2	U	
2-CHLOROPHENOL	8	U	
2-METHYLNAPHTHALENE	4	U	
2-METHYLPHENOL	8	U	
2-NAPHTHYLAMINE	4	UJ	C
2-NITROANILINE	3	U	
2-NITROPHENOL	7	U	
2-PICOLINE	3	U	
3&4-METHYLPHENOL	8	U	
3,3'-DICHLOROBENZIDINE	3	UJ	C
3,3'-DIMETHYLBENZIDINE	6	U	
3-METHYLCHOLANTHRENE	6	U	
3-NITROANILINE	4	UR	C
4,6-DINITRO-2-METHYLPHENOL	10	U	

nsample	MPT10-GW-MW01S-110606
samp_date	11/6/2006
lab_id	WW6011-1
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
4-AMINOBIPHENYL	4	UJ	C
4-BROMOPHENYL PHENYL ETHER	3	U	
4-CHLORO-3-METHYLPHENOL	9	U	
4-CHLOROANILINE	4	UJ	C
4-CHLOROPHENYL PHENYL ETHER	3	U	
4-NITROANILINE	5	UR	C
4-NITROPHENOL	15	UJ	C
4-NITROQUINOLINE-1-OXIDE	9	UR	C
5-NITRO-O-TOLUIDINE	5	U	
7,12-DIMETHYLBENZ(A)ANTHRACENE	4	U	
A,A-DIMETHYLPHENETHYLAMINE	15	UR	E
ACENAPHTHENE	3	U	
ACENAPHTHYLENE	3	U	
ACETOPHENONE	5	U	
ANILINE	6	UJ	C
ANTHRACENE	3	U	
ARAMITE	8	UR	E
BENZO(A)ANTHRACENE	2	U	
BENZO(A)PYRENE	3	U	
BENZO(B)FLUORANTHENE	3	U	
BENZO(G,H,I)PERYLENE	8	U	
BENZO(K)FLUORANTHENE	4	U	
BENZYL ALCOHOL	8	U	
BIS(2-CHLOROETHOXY)METHANE	3	U	
BIS(2-CHLOROETHYL)ETHER	4	UJ	C
BIS(2-ETHYLHEXYL)PHTHALATE	7	UJ	C
BUTYL BENZYL PHTHALATE	6	UJ	C
CHLOROBENZILATE	7	UR	E
CHRYSENE	3	U	
DIALLATE	4	U	
DIBENZO(A,H)ANTHRACENE	7	U	
DIBENZOFURAN	3	U	

PROJ_NO: 00436

SDG: CTO33-6 MEDIA: WATER DATA FRACTION: OS

nsample	MPT10-GW-MW01S-110606
samp_date	11/6/2006
lab_id	WW6011-1
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
DIETHYL PHTHALATE	3	U	
DIMETHOATE	7	UR	E
DIMETHYL PHTHALATE	4	UR	E
DI-N-BUTYL PHTHALATE	7	U	
DI-N-OCTYL PHTHALATE	5	UJ	C
DINOSEB	5	U	
ETHYL METHANE SULFONATE	7	U	
ETHYL PARATHION	14	U	
FLUORANTHENE	8	U	
FLUORENE	3	U	
HEXACHLOROBENZENE	3	U	
HEXACHLOROBUTADIENE	2	U	
HEXACHLOROCYCLOPENTADIENE	2	U	
HEXACHLOROETHANE	3	U	
HEXACHLOROPHENE	5	UR	CE
HEXACHLOROPROPENE	3	UJ	E
INDENO(1,2,3-CD)PYRENE	7	UJ	C
ISODRIN	4	U	
ISOPHORONE	3	U	
ISOSAFROLE	5	U	
METHAPYRILENE	8	UJ	C
METHYL METHANE SULFONATE	7	U	
NAPHTHALENE	2	U	
NITROBENZENE	2	U	
N-NITROSODIETHYLAMINE	3	U	
N-NITROSODIMETHYLAMINE	4	U	
N-NITROSO-DI-N-BUTYLAMINE	8	U	
N-NITROSO-DI-N-PROPYLAMINE	4	U	
N-NITROSODIPHENYLAMINE	5	U	
N-NITROSOMETHYLETHYLAMINE	5	U	
N-NITROSOMORPHOLINE	4	U	
N-NITROSOPIPERIDINE	3	U	

nsample	MPT10-GW-MW01S-110606
samp_date	11/6/2006
lab_id	WW6011-1
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
N-NITROSOPYRROLIDINE	5	U	
O,O,O-TRIETHYL PHOSPHOROTHIOATE	3	U	
O-TOLUIDINE	10	U	
P-(DIMETHYLAMINO)AZOBENZENE	6	U	
PENTACHLOROBENZENE	3	U	
PENTACHLORONITROBENZENE	4	U	
PENTACHLOROPHENOL	16	U	
PHENACETIN	6	U	
PHENANTHRENE	3	U	
PHENOL	8	U	
PRONAMIDE	5	U	
PYRENE	6	U	
PYRIDINE	2	U	
SAFROLE	3	U	
SULFOTEPP	3	U	
THIONAZIN	4	U	

PROJ_NO: 00436

SDG: CTO33-6 MEDIA: WATER DATA FRACTION: PAH

nsample	MPT07-GW-TW01S-110806	nsample	MPT07-GW-TW01S-110806D	nsample	MPT08-GW-MW12S-110806
samp_date	11/8/2006	samp_date	11/8/2006	samp_date	11/8/2006
lab_id	WW6081-5	lab_id	WW6081-5DL	lab_id	WW6081-6
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/L	units	UG/L	units	UG/L
Pct_Solids	0.0	Pct_Solids	0.0	Pct_Solids	0.0
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Lab Qual	Val Qual	Qual Code
ACENAPHTHENE	2			
ACENAPHTHYLENE	0.06	U	U	
ANTHRACENE	0.06	U	U	
BENZO(A)ANTHRACENE	0.07	U	U	
BENZO(A)PYRENE	0.05	U	U	
BENZO(B)FLUORANTHENE	0.08	U	U	
BENZO(G,H,I)PERYLENE	0.09	U	U	
BENZO(K)FLUORANTHENE	0.1	U	U	
CHRYSENE	0.07	U	U	
DIBENZO(A,H)ANTHRACENE	0.1	U	U	
FLUORANTHENE	0.06	U	U	
FLUORENE	2			
INDENO(1,2,3-CD)PYRENE	0.1	U	U	
NAPHTHALENE	0.6			
PHENANTHRENE	0.05	U	U	
PYRENE	0.06	U	U	

Parameter	Result	Lab Qual	Val Qual	Qual Code
1-METHYLNAPHTHALENE	36			
2-METHYLNAPHTHALENE	10			

Parameter	Result	Lab Qual	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.1	U	U	
2-METHYLNAPHTHALENE	0.07	U	U	
ACENAPHTHENE	0.07	U	U	
ACENAPHTHYLENE	0.06	U	U	
ANTHRACENE	0.06	U	U	
BENZO(A)ANTHRACENE	0.07	U	U	
BENZO(A)PYRENE	0.05	U	U	
BENZO(B)FLUORANTHENE	0.08	U	U	
BENZO(G,H,I)PERYLENE	0.08	U	U	
BENZO(K)FLUORANTHENE	0.1	U	U	
CHRYSENE	0.07	U	U	
DIBENZO(A,H)ANTHRACENE	0.1	U	U	
FLUORANTHENE	0.06	U	U	
FLUORENE	0.07	U	U	
INDENO(1,2,3-CD)PYRENE	0.1	U	U	
NAPHTHALENE	0.1	U	U	
PHENANTHRENE	0.05	U	U	
PYRENE	0.06	U	U	

PROJ_NO: 00436

SDG: CTO33-6 MEDIA: WATER DATA FRACTION: PAH

nsample	MPT11-GW-MW05S-110706
samp_date	11/7/2006
lab_id	WW6039-5
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Lab Qual	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.1	U	U	
2-METHYLNAPHTHALENE	0.07	U	U	
ACENAPHTHENE	0.07	U	U	
ACENAPHTHYLENE	0.06	U	U	
ANTHRACENE	0.06	U	U	
BENZO(A)ANTHRACENE	0.07	U	U	
BENZO(A)PYRENE	0.05	U	U	
BENZO(B)FLUORANTHENE	0.08	U	U	
BENZO(G,H,I)PERYLENE	0.08	U	U	
BENZO(K)FLUORANTHENE	0.1	U	U	
CHRYSENE	0.07	U	U	
DIBENZO(A,H)ANTHRACENE	0.1	U	U	
FLUORANTHENE	0.06	U	U	
FLUORENE	0.07	U	U	
INDENO(1,2,3-CD)PYRENE	0.09	U	U	
NAPHTHALENE	0.1	U	U	
PHENANTHRENE	0.05	U	U	
PYRENE	0.06	U	U	

nsample	MPT11-GW-RB02-110706
samp_date	11/7/2006
lab_id	WW6039-6
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Lab Qual	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.1	U	U	
2-METHYLNAPHTHALENE	0.07	U	U	
ACENAPHTHENE	0.07	U	U	
ACENAPHTHYLENE	0.06	U	U	
ANTHRACENE	0.06	U	U	
BENZO(A)ANTHRACENE	0.1	I	J	P
BENZO(A)PYRENE	0.05	U	U	
BENZO(B)FLUORANTHENE	0.08	U	U	
BENZO(G,H,I)PERYLENE	0.08	U	U	
BENZO(K)FLUORANTHENE	0.1	U	U	
CHRYSENE	0.07	U	U	
DIBENZO(A,H)ANTHRACENE	0.1	U	U	
FLUORANTHENE	0.06	U	U	
FLUORENE	0.07	U	U	
INDENO(1,2,3-CD)PYRENE	0.09	U	U	
NAPHTHALENE	0.1	U	U	
PHENANTHRENE	0.05	U	U	
PYRENE	0.06	U	U	

nsample	MPT51-GW-MW01S-110806
samp_date	11/8/2006
lab_id	WW6081-1
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Lab Qual	Val Qual	Qual Code
2-METHYLNAPHTHALENE	0.07	U	U	
ACENAPHTHENE	1			
ACENAPHTHYLENE	0.2	I	J	P
ANTHRACENE	0.06	U	U	
BENZO(A)ANTHRACENE	0.07	U	U	
BENZO(A)PYRENE	0.05	U	U	
BENZO(B)FLUORANTHENE	0.08	U	U	
BENZO(G,H,I)PERYLENE	0.08	U	U	
BENZO(K)FLUORANTHENE	0.1	U	U	
CHRYSENE	0.07	U	U	
DIBENZO(A,H)ANTHRACENE	0.1	U	U	
FLUORANTHENE	0.06	U	U	
FLUORENE	2			
INDENO(1,2,3-CD)PYRENE	0.1	U	U	
NAPHTHALENE	0.4			
PHENANTHRENE	0.05	U	U	
PYRENE	0.06	U	U	

PROJ_NO: 00436

SDG: CTO33-6 MEDIA: WATER DATA FRACTION: PAH

nsample	MPT51-GW-MW01S-110806D
samp_date	11/8/2006
lab_id	WW6081-1DL
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Lab Qual	Val Qual	Qual Code
1-METHYLNAPHTHALENE	8			

nsample	MPT51-GW-MW02S-110806
samp_date	11/8/2006
lab_id	WW6081-2
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Lab Qual	Val Qual	Qual Code
ACENAPHTHENE	2			
ACENAPHTHYLENE	0.06	U	U	
ANTHRACENE	0.06	U	U	
BENZO(A)ANTHRACENE	0.07	U	U	
BENZO(A)PYRENE	0.05	U	U	
BENZO(B)FLUORANTHENE	0.08	U	U	
BENZO(G,H,I)PERYLENE	0.08	U	U	
BENZO(K)FLUORANTHENE	0.1	U	U	
CHRYSENE	0.07	U	U	
DIBENZO(A,H)ANTHRACENE	0.1	U	U	
FLUORANTHENE	0.06	U	U	
INDENO(1,2,3-CD)PYRENE	0.1	U	U	
PHENANTHRENE	3			
PYRENE	0.06	U	U	

nsample	MPT51-GW-MW02S-110806D
samp_date	11/8/2006
lab_id	WW6081-2DL
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Lab Qual	Val Qual	Qual Code
1-METHYLNAPHTHALENE	110			
2-METHYLNAPHTHALENE	110			
FLUORENE	5	I	J	P
NAPHTHALENE	92			

PROJ_NO: 00436

SDG: CTO33-6 MEDIA: WATER DATA FRACTION: PAH

nsample	MPT51-GW-MW03S-110806
samp_date	11/8/2006
lab_id	WW6081-3
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Lab Qual	Val Qual	Qual Code
2-METHYLNAPHTHALENE	1			
ACENAPHTHENE	0.8			
ACENAPHTHYLENE	0.06	U	U	
ANTHRACENE	0.06	U	U	
BENZO(A)ANTHRACENE	0.07	U	U	
BENZO(A)PYRENE	0.05	U	U	
BENZO(B)FLUORANTHENE	0.08	U	U	
BENZO(G,H,I)PERYLENE	0.08	U	U	
BENZO(K)FLUORANTHENE	0.1	U	U	
CHRYSENE	0.07	U	U	
DIBENZO(A,H)ANTHRACENE	0.1	U	U	
FLUORANTHENE	0.06	U	U	
FLUORENE	2			
INDENO(1,2,3-CD)PYRENE	0.09	U	U	
NAPHTHALENE	1			
PHENANTHRENE	1			
PYRENE	0.06	U	U	

nsample	MPT51-GW-MW03S-110806D
samp_date	11/8/2006
lab_id	WW6081-3DL
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Lab Qual	Val Qual	Qual Code
1-METHYLNAPHTHALENE	8			

nsample	MPT51-RB03-110806
samp_date	11/8/2006
lab_id	WW6081-4
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Lab Qual	Val Qual	Qual Code
1-METHYLNAPHTHALENE	0.1	U	U	
2-METHYLNAPHTHALENE	0.07	U	U	
ACENAPHTHENE	0.07	U	U	
ACENAPHTHYLENE	0.06	U	U	
ANTHRACENE	0.06	U	U	
BENZO(A)ANTHRACENE	0.07	U	U	
BENZO(A)PYRENE	0.05	U	U	
BENZO(B)FLUORANTHENE	0.08	U	U	
BENZO(G,H,I)PERYLENE	0.08	U	U	
BENZO(K)FLUORANTHENE	0.1	U	U	
CHRYSENE	0.07	U	U	
DIBENZO(A,H)ANTHRACENE	0.1	U	U	
FLUORANTHENE	0.06	U	U	
FLUORENE	0.07	U	U	
INDENO(1,2,3-CD)PYRENE	0.09	U	U	
NAPHTHALENE	0.1	U	U	
PHENANTHRENE	0.05	U	U	
PYRENE	0.06	U	U	

PROJ_NO: 00436

SDG: CTO33-6 MEDIA: WATER DATA FRACTION: PEST/PCB

nsample	MPT08-GW-MW21S-110606
samp_date	11/6/2006
lab_id	WW6011-3
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Lab Qual	Val Qual	Qual Code
AROCLOR-1016	0.38	U	UJ	E
AROCLOR-1221	0.16	U	U	
AROCLOR-1232	0.26	U	U	
AROCLOR-1242	0.2	U	U	
AROCLOR-1248	0.18	U	U	
AROCLOR-1254	0.24	U	U	
AROCLOR-1260	0.25	U	UJ	E

nsample	MPT08-GW-MW22S-110606
samp_date	11/6/2006
lab_id	WW6011-2
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Lab Qual	Val Qual	Qual Code
AROCLOR-1016	0.38	U	UJ	E
AROCLOR-1221	0.16	U	U	
AROCLOR-1232	0.26	U	U	
AROCLOR-1242	0.2	U	U	
AROCLOR-1248	0.18	U	U	
AROCLOR-1254	0.24	U	U	
AROCLOR-1260	0.25	U	UJ	E

nsample	MPT09-GW-MW04S-110706R
samp_date	11/7/2006
lab_id	WW6039-2RE
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Lab Qual	Val Qual	Qual Code
AROCLOR-1016	0.38	U	U	
AROCLOR-1221	0.16	U	U	
AROCLOR-1232	0.26	U	U	
AROCLOR-1242	0.2	U	U	
AROCLOR-1248	0.18	U	U	
AROCLOR-1254	0.24	U	U	
AROCLOR-1260	0.25	U	U	

PROJ_NO: 00436

SDG: CTO33-6 MEDIA: WATER DATA FRACTION: PEST/PCB

nsample	MPT09-GW-MW05S-110706R
samp_date	11/7/2006
lab_id	WW6039-3RE
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Lab Qual	Val Qual	Qual Code
AROCLOR-1016	0.38	U	U	
AROCLOR-1221	0.16	U	U	
AROCLOR-1232	0.26	U	U	
AROCLOR-1242	0.2	U	U	
AROCLOR-1248	0.18	U	U	
AROCLOR-1254	0.24	U	U	
AROCLOR-1260	0.25	U	U	

nsample	MPT09-GW-MW06S-110606
samp_date	11/6/2006
lab_id	WW6011-4
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Lab Qual	Val Qual	Qual Code
AROCLOR-1016	0.38	U	UJ	E
AROCLOR-1221	0.16	U	U	
AROCLOR-1232	0.26	U	U	
AROCLOR-1242	0.2	U	U	
AROCLOR-1248	0.18	U	U	
AROCLOR-1254	0.24	U	U	
AROCLOR-1260	0.25	U	UJ	E

nsample	MPT09-GW-MW06S-110706R
samp_date	11/7/2006
lab_id	WW6039-1RE
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Lab Qual	Val Qual	Qual Code
AROCLOR-1016	0.38	U	U	
AROCLOR-1221	0.16	U	U	
AROCLOR-1232	0.26	U	U	
AROCLOR-1242	0.2	U	U	
AROCLOR-1248	0.18	U	U	
AROCLOR-1254	0.24	U	U	
AROCLOR-1260	0.25	U	U	

PROJ_NO: 00436

SDG: CTO33-6 MEDIA: WATER DATA FRACTION: PEST/PCB

nsample	MPT09-GW-RB01-110706RE	nsample	MPT10-GW-MW01S-110606
samp_date	11/7/2006	samp_date	11/6/2006
lab_id	WW6039-4RE	lab_id	WW6011-1
qc_type	NM	qc_type	NM
units	UG/L	units	UG/L
Pct_Solids	0.0	Pct_Solids	0.0
DUP_OF:		DUP_OF:	

Parameter	Result	Lab Qual	Val Qual	Qual Code
AROCLOR-1016	0.38	U	U	
AROCLOR-1221	0.16	U	U	
AROCLOR-1232	0.26	U	U	
AROCLOR-1242	0.2	U	U	
AROCLOR-1248	0.18	U	U	
AROCLOR-1254	0.24	U	U	
AROCLOR-1260	0.25	U	U	

Parameter	Result	Lab Qual	Val Qual	Qual Code
AROCLOR-1016	0.38	U	UJ	RE
AROCLOR-1221	0.16	U	UJ	R
AROCLOR-1232	0.26	U	UJ	R
AROCLOR-1242	0.2	U	UJ	R
AROCLOR-1248	0.18	U	UJ	R
AROCLOR-1254	0.24	U	UJ	R
AROCLOR-1260	0.25	U	UJ	RE

PROJ_NO: 00436

SDG: CTO33-6 MEDIA: WATER DATA FRACTION: PET

nsample	MPT07-GW-TW01S-110806D
samp_date	11/8/2006
lab_id	WW6081-5DL
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TPH (C08-C40)	8700	J	ER

nsample	MPT08-GW-MW12S-110806
samp_date	11/8/2006
lab_id	WW6081-6
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TPH (C08-C40)	230	U	

nsample	MPT11-GW-MW05S-110706
samp_date	11/7/2006
lab_id	WW6039-5
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TPH (C08-C40)	570	J	E

PROJ_NO: 00436

SDG: CTO33-6 MEDIA: WATER DATA FRACTION: PET

nsample	MPT11-GW-RB02-110706
samp_date	11/7/2006
lab_id	WW6039-6
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TPH (C08-C40)	290	J	E

nsample	MPT51-GW-MW01S-110806
samp_date	11/8/2006
lab_id	WW6081-1
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TPH (C08-C40)	4700	J	ER

nsample	MPT51-GW-MW02S-110806D
samp_date	11/8/2006
lab_id	WW6081-2DL
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TPH (C08-C40)	12000	J	ER

PROJ_NO: 00436

SDG: CTO33-6 MEDIA: WATER DATA FRACTION: PET

nsample	MPT51-GW-MW03S-110806	nsample	MPT51-RB03-110806
samp_date	11/8/2006	samp_date	11/8/2006
lab_id	WW6081-3	lab_id	WW6081-4
qc_type	NM	qc_type	NM
units	UG/L	units	UG/L
Pct_Solids	0.0	Pct_Solids	0.0
DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TPH (C08-C40)	2400	J	E

Parameter	Result	Val Qual	Qual Code
TPH (C08-C40)	410	J	E

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date: 11/06/06
Received Date: 11/07/06
Extraction Date:
Analysis Date: 15-NOV-2006 16:05
Report Date: 11/20/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6011-1
Client ID: PT10-GW-MW01S-110606
SDG: CTO33-6
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG34169
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	0.3	1.0	2	2	0.3
74-87-3	Chloromethane	U	0.6	1.0	2	2	0.6
75-01-4	Vinyl chloride	U	0.6	1.0	2	2	0.6
74-83-9	Bromomethane	U	0.6	1.0	2	2	0.6
75-00-3	Chloroethane	U	0.5	1.0	2	2	0.5
75-69-4	Trichlorofluoromethane	U	0.4	1.0	2	2	0.4
75-35-4	1,1-Dichloroethene	U	0.6	1.0	1	1	0.6
75-09-2	Methylene Chloride	U	2	1.0	5	5	2
156-60-5	trans-1,2-Dichloroethene	U	0.6	1.0	1	1	0.6
75-34-3	1,1-Dichloroethane	U	0.4	1.0	1	1	0.4
67-66-3	Chloroform	U	0.4	1.0	1	1	0.4
71-55-6	1,1,1-Trichloroethane	U	0.5	1.0	1	1	0.5
107-06-2	1,2-Dichloroethane	U	0.4	1.0	1	1	0.4
56-23-5	Carbon Tetrachloride	U	0.5	1.0	1	1	0.5
71-43-2	Benzene	U	0.5	1.0	1	1	0.5
78-87-5	1,2-Dichloropropane	U	0.5	1.0	1	1	0.5
79-01-6	Trichloroethene	U	0.4	1.0	1	1	0.4
74-95-3	Dibromomethane	U	0.4	1.0	1	1	0.4
75-27-4	Bromodichloromethane	U	0.4	1.0	1	1	0.4
10061-01-5	cis-1,3-dichloropropene	U	0.4	1.0	1	1	0.4
108-88-3	Toluene	U	0.4	1.0	1	1	0.4
10061-02-6	trans-1,3-Dichloropropene	U	0.4	1.0	1	1	0.4
79-00-5	1,1,2-Trichloroethane	U	0.5	1.0	1	1	0.5
124-48-1	Dibromochloromethane	U	0.3	1.0	1	1	0.3
127-18-4	Tetrachloroethene	U	0.6	1.0	1	1	0.6
106-93-4	1,2-Dibromoethane	U	0.3	1.0	1	1	0.3
108-90-7	Chlorobenzene	U	0.3	1.0	1	1	0.3
630-20-6	1,1,1,2-Tetrachloroethane	U	0.4	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	0.3	1.0	1	1	0.3
75-25-2	Bromoform	U	0.4	1.0	1	1	0.4
100-42-5	Styrene	U	0.3	1.0	1	1	0.3
79-34-5	1,1,2,2-Tetrachloroethane	U	0.6	1.0	1	1	0.6
96-18-4	1,2,3-Trichloropropane	U	0.5	1.0	1	1	0.5
96-12-8	1,2-Dibromo-3-Chloropropane	U	0.6	1.0	1	1	0.6
67-64-1	Acetone	U	3	1.0	5	5	3
78-93-3	2-Butanone	U	3	1.0	5	5	3
108-10-1	4-methyl-2-pentanone	U	2	1.0	5	5	2
591-78-6	2-Hexanone	U	2	1.0	5	5	2
	m+p-Xylenes	U	1.0	1.0	2	2	1.0
95-47-6	o-Xylene	U	0.4	1.0	1	1	0.4
108-05-4	Vinyl Acetate	U	0.5	1.0	1	1	0.5
75-15-0	Carbon Disulfide	U	0.6	1.0	1	1	0.6
75-05-8	Acetonitrile	U	14	1.0	25	25	14

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date: 11/06/06
Received Date: 11/07/06
Extraction Date:
Analysis Date: 15-NOV-2006 16:05
Report Date: 11/20/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6011-1
Client ID: PT10-GW-MW01S-11060
SDG: CTO33-6
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG34169
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
107-02-8	Acrolein	U	3	1.0	10	10	3
107-13-1	Acrylonitrile	U	4	1.0	5	5	4
126-99-8	Chloroprene	U	0.5	1.0	1	1	0.5
107-05-1	Allyl Chloride	U	0.6	1.0	1	1	0.6
123-91-1	1,4-Dioxane	U	20	1.0	100	100	20
107-12-0	Propionitrile	U	4	1.0	10	10	4
97-63-2	Ethyl Methacrylate	U	0.4	1.0	1	1	0.4
74-88-4	Iodomethane	U	0.2	1.0	1	1	0.2
78-83-1	Isobutyl Alcohol	U	13	1.0	20	20	13
126-98-7	Methacrylonitrile	U	3	1.0	10	10	3
80-62-6	Methyl Methacrylate	U	0.6	1.0	1	1	0.6
76-01-1	Pentachloroethane	U	0.6	1.0	1	1	0.6
110-57-6	trans-1,4-Dichloro-2-Butene	U	0.7	1.0	1	1	0.7
120-82-1	1,2,4-Trichlorobenzene	U	0.4	1.0	1	1	0.4
95-50-1	1,2-Dichlorobenzene	U	0.3	1.0	1	1	0.3
541-73-1	1,3-Dichlorobenzene	U	0.4	1.0	1	1	0.4
106-46-7	1,4-Dichlorobenzene	U	0.4	1.0	1	1	0.4
156-59-2	cis-1,2-Dichloroethene	U	0.5	1.0	1	1	0.5
1868-53-7	Dibromofluoromethane		93%				
17060-07-0	1,2-Dichloroethane-D4		99%				
2037-26-5	Toluene-D8		85%				
460-00-4	P-Bromofluorobenzene		88%				

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date: 11/06/06
Received Date: 11/07/06
Extraction Date:
Analysis Date: 15-NOV-2006 16:37
Report Date: 11/20/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6011-2
Client ID: PT08-GW-MW22S-11060
SDG: CTO33-6
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG34169
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	0.3	1.0	2	2	0.3
74-87-3	Chloromethane	U	0.6	1.0	2	2	0.6
75-01-4	Vinyl chloride	U	0.6	1.0	2	2	0.6
74-83-9	Bromomethane	U	0.6	1.0	2	2	0.6
75-00-3	Chloroethane	U	0.5	1.0	2	2	0.5
75-69-4	Trichlorofluoromethane	U	0.4	1.0	2	2	0.4
75-35-4	1,1-Dichloroethene	U	0.6	1.0	1	1	0.6
75-09-2	Methylene Chloride	U	2	1.0	5	5	2
156-60-5	trans-1,2-Dichloroethene	U	0.6	1.0	1	1	0.6
75-34-3	1,1-Dichloroethane	U	0.4	1.0	1	1	0.4
67-66-3	Chloroform	U	0.4	1.0	1	1	0.4
71-55-6	1,1,1-Trichloroethane	U	0.5	1.0	1	1	0.5
107-06-2	1,2-Dichloroethane	U	0.4	1.0	1	1	0.4
56-23-5	Carbon Tetrachloride	U	0.5	1.0	1	1	0.5
71-43-2	Benzene	U	0.5	1.0	1	1	0.5
78-87-5	1,2-Dichloropropane	U	0.5	1.0	1	1	0.5
79-01-6	Trichloroethene	U	0.4	1.0	1	1	0.4
74-95-3	Dibromomethane	U	0.4	1.0	1	1	0.4
75-27-4	Bromodichloromethane	U	0.4	1.0	1	1	0.4
10061-01-5	cis-1,3-dichloropropene	U	0.4	1.0	1	1	0.4
108-88-3	Toluene	U	0.4	1.0	1	1	0.4
10061-02-6	trans-1,3-Dichloropropene	U	0.4	1.0	1	1	0.4
79-00-5	1,1,2-Trichloroethane	U	0.5	1.0	1	1	0.5
124-48-1	Dibromochloromethane	U	0.3	1.0	1	1	0.3
127-18-4	Tetrachloroethene	U	0.6	1.0	1	1	0.6
106-93-4	1,2-Dibromoethane	U	0.3	1.0	1	1	0.3
108-90-7	Chlorobenzene	U	0.3	1.0	1	1	0.3
630-20-6	1,1,1,2-Tetrachloroethane	U	0.4	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	0.3	1.0	1	1	0.3
75-25-2	Bromoform	U	0.4	1.0	1	1	0.4
100-42-5	Styrene	U	0.3	1.0	1	1	0.3
79-34-5	1,1,2,2-Tetrachloroethane	U	0.6	1.0	1	1	0.6
96-18-4	1,2,3-Trichloropropane	U	0.5	1.0	1	1	0.5
96-12-8	1,2-Dibromo-3-Chloropropane	U	0.6	1.0	1	1	0.6
67-64-1	Acetone	U	3	1.0	5	5	3
78-93-3	2-Butanone	U	3	1.0	5	5	3
108-10-1	4-methyl-2-pentanone	U	2	1.0	5	5	2
591-78-6	2-Hexanone	U	2	1.0	5	5	2
	m+p-Xylenes	U	1.0	1.0	2	2	1.0
95-47-6	o-Xylene	U	0.4	1.0	1	1	0.4
108-05-4	Vinyl Acetate	U	0.5	1.0	1	1	0.5
75-15-0	Carbon Disulfide	U	0.6	1.0	1	1	0.6
75-05-8	Acetonitrile	U	14	1.0	25	25	14

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date: 11/06/06
Received Date: 11/07/06
Extraction Date:
Analysis Date: 15-NOV-2006 16:37
Report Date: 11/20/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6011-2
Client ID: PT08-GW-MW22S-11060
SDG: CTO33-6
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG34169
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
107-02-8	Acrolein	U	3	1.0	10	10	3
107-13-1	Acrylonitrile	U	4	1.0	5	5	4
126-99-8	Chloroprene	U	0.5	1.0	1	1	0.5
107-05-1	Allyl Chloride	U	0.6	1.0	1	1	0.6
123-91-1	1,4-Dioxane	U	20	1.0	100	100	20
107-12-0	Propionitrile	U	4	1.0	10	10	4
97-63-2	Ethyl Methacrylate	U	0.4	1.0	1	1	0.4
74-88-4	Iodomethane	U	0.2	1.0	1	1	0.2
78-83-1	Isobutyl Alcohol	U	13	1.0	20	20	13
126-98-7	Methacrylonitrile	U	3	1.0	10	10	3
80-62-6	Methyl Methacrylate	U	0.6	1.0	1	1	0.6
76-01-1	Pentachloroethane	U	0.6	1.0	1	1	0.6
110-57-6	trans-1,4-Dichloro-2-Butene	U	0.7	1.0	1	1	0.7
120-82-1	1,2,4-Trichlorobenzene	U	0.4	1.0	1	1	0.4
95-50-1	1,2-Dichlorobenzene	U	0.3	1.0	1	1	0.3
541-73-1	1,3-Dichlorobenzene	U	0.4	1.0	1	1	0.4
106-46-7	1,4-Dichlorobenzene	U	0.4	1.0	1	1	0.4
156-59-2	cis-1,2-Dichloroethene	U	0.5	1.0	1	1	0.5
1868-53-7	Dibromofluoromethane		92%				
17060-07-0	1,2-Dichloroethane-D4		101%				
2037-26-5	Toluene-D8		87%				
460-00-4	P-Bromofluorobenzene		98%				

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date: 11/06/06
Received Date: 11/07/06
Extraction Date:
Analysis Date: 15-NOV-2006 17:10
Report Date: 11/20/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6011-3
Client ID: PT08-GW-MW21S-11060
SDG: CTO33-6
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG34169
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	0.3	1.0	2	2	0.3
74-87-3	Chloromethane	U	0.6	1.0	2	2	0.6
75-01-4	Vinyl chloride	U	0.6	1.0	2	2	0.6
74-83-9	Bromomethane	U	0.6	1.0	2	2	0.6
75-00-3	Chloroethane	U	0.5	1.0	2	2	0.5
75-69-4	Trichlorofluoromethane	U	0.4	1.0	2	2	0.4
75-35-4	1,1-Dichloroethene	U	0.6	1.0	1	1	0.6
75-09-2	Methylene Chloride	U	2	1.0	5	5	2
156-60-5	trans-1,2-Dichloroethene	U	0.6	1.0	1	1	0.6
75-34-3	1,1-Dichloroethane	U	0.4	1.0	1	1	0.4
67-66-3	Chloroform	U	0.4	1.0	1	1	0.4
71-55-6	1,1,1-Trichloroethane	U	0.5	1.0	1	1	0.5
107-06-2	1,2-Dichloroethane	U	0.4	1.0	1	1	0.4
56-23-5	Carbon Tetrachloride	U	0.5	1.0	1	1	0.5
71-43-2	Benzene	U	0.5	1.0	1	1	0.5
78-87-5	1,2-Dichloropropane	U	0.5	1.0	1	1	0.5
79-01-6	Trichloroethene	U	0.4	1.0	1	1	0.4
74-95-3	Dibromomethane	U	0.4	1.0	1	1	0.4
75-27-4	Bromodichloromethane	U	0.4	1.0	1	1	0.4
10061-01-5	cis-1,3-dichloropropene	U	0.4	1.0	1	1	0.4
108-88-3	Toluene	U	0.4	1.0	1	1	0.4
10061-02-6	trans-1,3-Dichloropropene	U	0.4	1.0	1	1	0.4
79-00-5	1,1,2-Trichloroethane	U	0.5	1.0	1	1	0.5
124-48-1	Dibromochloromethane	U	0.3	1.0	1	1	0.3
127-18-4	Tetrachloroethene	U	0.6	1.0	1	1	0.6
106-93-4	1,2-Dibromoethane	U	0.3	1.0	1	1	0.3
108-90-7	Chlorobenzene	U	0.3	1.0	1	1	0.3
630-20-6	1,1,1,2-Tetrachloroethane	U	0.4	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	0.3	1.0	1	1	0.3
75-25-2	Bromoform	U	0.4	1.0	1	1	0.4
100-42-5	Styrene	U	0.3	1.0	1	1	0.3
79-34-5	1,1,2,2-Tetrachloroethane	U	0.6	1.0	1	1	0.6
96-18-4	1,2,3-Trichloropropane	U	0.5	1.0	1	1	0.5
96-12-8	1,2-Dibromo-3-Chloropropane	U	0.6	1.0	1	1	0.6
67-64-1	Acetone	U	3	1.0	5	5	3
78-93-3	2-Butanone	U	3	1.0	5	5	3
108-10-1	4-methyl-2-pentanone	U	2	1.0	5	5	2
591-78-6	2-Hexanone	U	2	1.0	5	5	2
	m+p-Xylenes	U	1.0	1.0	2	2	1.0
95-47-6	o-Xylene	U	0.4	1.0	1	1	0.4
108-05-4	Vinyl Acetate	U	0.5	1.0	1	1	0.5
75-15-0	Carbon Disulfide	U	0.6	1.0	1	1	0.6
75-05-8	Acetonitrile	U	14	1.0	25	25	14

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date: 11/06/06
Received Date: 11/07/06
Extraction Date:
Analysis Date: 15-NOV-2006 17:10
Report Date: 11/20/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6011-3
Client ID: PT08-GW-MW21S-11060
SDG: CTO33-6
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG34169
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
107-02-8	Acrolein	U	3	1.0	10	10	3
107-13-1	Acrylonitrile	U	4	1.0	5	5	4
126-99-8	Chloroprene	U	0.5	1.0	1	1	0.5
107-05-1	Allyl Chloride	U	0.6	1.0	1	1	0.6
123-91-1	1,4-Dioxane	U	20	1.0	100	100	20
107-12-0	Propionitrile	U	4	1.0	10	10	4
97-63-2	Ethyl Methacrylate	U	0.4	1.0	1	1	0.4
74-88-4	Iodomethane	U	0.2	1.0	1	1	0.2
78-83-1	Isobutyl Alcohol	U	13	1.0	20	20	13
126-98-7	Methacrylonitrile	U	3	1.0	10	10	3
80-62-6	Methyl Methacrylate	U	0.6	1.0	1	1	0.6
76-01-1	Pentachloroethane	U	0.6	1.0	1	1	0.6
110-57-6	trans-1,4-Dichloro-2-Butene	U	0.7	1.0	1	1	0.7
120-82-1	1,2,4-Trichlorobenzene	U	0.4	1.0	1	1	0.4
95-50-1	1,2-Dichlorobenzene	U	0.3	1.0	1	1	0.3
541-73-1	1,3-Dichlorobenzene	U	0.4	1.0	1	1	0.4
106-46-7	1,4-Dichlorobenzene	U	0.4	1.0	1	1	0.4
156-59-2	cis-1,2-Dichloroethene	U	0.5	1.0	1	1	0.5
1868-53-7	Dibromofluoromethane		96%				
17060-07-0	1,2-Dichloroethane-D4		102%				
2037-26-5	Toluene-D8		88%				
460-00-4	P-Bromofluorobenzene		99%				

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date: 11/06/06
Received Date: 11/07/06
Extraction Date:
Analysis Date: 15-NOV-2006 17:42
Report Date: 11/20/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6011-4
Client ID: PT09-GW-MW06S-11060
SDG: CTO33-6
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG34169
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	0.3	1.0	2	2	0.3
74-87-3	Chloromethane	U	0.6	1.0	2	2	0.6
75-01-4	Vinyl chloride	U	0.6	1.0	2	2	0.6
74-83-9	Bromomethane	U	0.6	1.0	2	2	0.6
75-00-3	Chloroethane	U	0.5	1.0	2	2	0.5
75-69-4	Trichlorofluoromethane	U	0.4	1.0	2	2	0.4
75-35-4	1,1-Dichloroethene	U	0.6	1.0	1	1	0.6
75-09-2	Methylene Chloride	U	2	1.0	5	5	2
156-60-5	trans-1,2-Dichloroethene	U	0.6	1.0	1	1	0.6
75-34-3	1,1-Dichloroethane	U	0.4	1.0	1	1	0.4
67-66-3	Chloroform	U	0.4	1.0	1	1	0.4
71-55-6	1,1,1-Trichloroethane	U	0.5	1.0	1	1	0.5
107-06-2	1,2-Dichloroethane	U	0.4	1.0	1	1	0.4
56-23-5	Carbon Tetrachloride	U	0.5	1.0	1	1	0.5
71-43-2	Benzene	U	0.5	1.0	1	1	0.5
78-87-5	1,2-Dichloropropane	U	0.5	1.0	1	1	0.5
79-01-6	Trichloroethene	U	0.4	1.0	1	1	0.4
74-95-3	Dibromomethane	U	0.4	1.0	1	1	0.4
75-27-4	Bromodichloromethane	U	0.4	1.0	1	1	0.4
10061-01-5	cis-1,3-dichloropropene	U	0.4	1.0	1	1	0.4
108-88-3	Toluene	U	0.4	1.0	1	1	0.4
10061-02-6	trans-1,3-Dichloropropene	U	0.4	1.0	1	1	0.4
79-00-5	1,1,2-Trichloroethane	U	0.5	1.0	1	1	0.5
124-48-1	Dibromochloromethane	U	0.3	1.0	1	1	0.3
127-18-4	Tetrachloroethene	U	0.6	1.0	1	1	0.6
106-93-4	1,2-Dibromoethane	U	0.3	1.0	1	1	0.3
108-90-7	Chlorobenzene	U	0.3	1.0	1	1	0.3
630-20-6	1,1,1,2-Tetrachloroethane	U	0.4	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	0.3	1.0	1	1	0.3
75-25-2	Bromoform	U	0.4	1.0	1	1	0.4
100-42-5	Styrene	U	0.3	1.0	1	1	0.3
79-34-5	1,1,2,2-Tetrachloroethane	U	0.6	1.0	1	1	0.6
96-18-4	1,2,3-Trichloropropane	U	0.5	1.0	1	1	0.5
96-12-8	1,2-Dibromo-3-Chloropropane	U	0.6	1.0	1	1	0.6
67-64-1	Acetone	U	3	1.0	5	5	3
78-93-3	2-Butanone	U	3	1.0	5	5	3
108-10-1	4-methyl-2-pentanone	U	2	1.0	5	5	2
591-78-6	2-Hexanone	U	2	1.0	5	5	2
	m+p-Xylenes	U	1.0	1.0	2	2	1.0
95-47-6	o-Xylene	U	0.4	1.0	1	1	0.4
108-05-4	Vinyl Acetate	U	0.5	1.0	1	1	0.5
75-15-0	Carbon Disulfide	U	0.6	1.0	1	1	0.6
75-05-8	Acetonitrile	U	14	1.0	25	25	14

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date: 11/06/06
Received Date: 11/07/06
Extraction Date:
Analysis Date: 15-NOV-2006 17:42
Report Date: 11/20/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6011-4
Client ID: PT09-GW-MW06S-11060
SDG: CTO33-6
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG34169
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
107-02-8	Acrolein	U	3	1.0	10	10	3
107-13-1	Acrylonitrile	U	4	1.0	5	5	4
126-99-8	Chloroprene	U	0.5	1.0	1	1	0.5
107-05-1	Allyl Chloride	U	0.6	1.0	1	1	0.6
123-91-1	1,4-Dioxane	U	20	1.0	100	100	20
107-12-0	Propionitrile	U	4	1.0	10	10	4
97-63-2	Ethyl Methacrylate	U	0.4	1.0	1	1	0.4
74-88-4	Iodomethane	U	0.2	1.0	1	1	0.2
78-83-1	Isobutyl Alcohol	U	13	1.0	20	20	13
126-98-7	Methacrylonitrile	U	3	1.0	10	10	3
80-62-6	Methyl Methacrylate	U	0.6	1.0	1	1	0.6
76-01-1	Pentachloroethane	U	0.6	1.0	1	1	0.6
110-57-6	trans-1,4-Dichloro-2-Butene	U	0.7	1.0	1	1	0.7
120-82-1	1,2,4-Trichlorobenzene	U	0.4	1.0	1	1	0.4
95-50-1	1,2-Dichlorobenzene	U	0.3	1.0	1	1	0.3
541-73-1	1,3-Dichlorobenzene	U	0.4	1.0	1	1	0.4
106-46-7	1,4-Dichlorobenzene	U	0.4	1.0	1	1	0.4
156-59-2	cis-1,2-Dichloroethene	U	0.5	1.0	1	1	0.5
1868-53-7	Dibromofluoromethane		102%				
17060-07-0	1,2-Dichloroethane-D4		103%				
2037-26-5	Toluene-D8		90%				
460-00-4	P-Bromofluorobenzene		98%				

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date: 10/26/06
Received Date: 11/07/06
Extraction Date:
Analysis Date: 15-NOV-2006 15:33
Report Date: 11/20/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6011-5
Client ID: TRIP BLANK
SDG: CTO33-6
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG34169
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	0.3	1.0	2	2	0.3
74-87-3	Chloromethane	U	0.6	1.0	2	2	0.6
75-01-4	Vinyl chloride	U	0.6	1.0	2	2	0.6
74-83-9	Bromomethane	U	0.6	1.0	2	2	0.6
75-00-3	Chloroethane	U	0.5	1.0	2	2	0.5
75-69-4	Trichlorofluoromethane	U	0.4	1.0	2	2	0.4
75-35-4	1,1-Dichloroethene	U	0.6	1.0	1	1	0.6
75-09-2	Methylene Chloride	U	2	1.0	5	5	2
156-60-5	trans-1,2-Dichloroethene	U	0.6	1.0	1	1	0.6
75-34-3	1,1-Dichloroethane	U	0.4	1.0	1	1	0.4
67-66-3	Chloroform	U	0.4	1.0	1	1	0.4
71-55-6	1,1,1-Trichloroethane	U	0.5	1.0	1	1	0.5
107-06-2	1,2-Dichloroethane	U	0.4	1.0	1	1	0.4
56-23-5	Carbon Tetrachloride	U	0.5	1.0	1	1	0.5
71-43-2	Benzene	U	0.5	1.0	1	1	0.5
78-87-5	1,2-Dichloropropane	U	0.5	1.0	1	1	0.5
79-01-6	Trichloroethene	U	0.4	1.0	1	1	0.4
74-95-3	Dibromomethane	U	0.4	1.0	1	1	0.4
75-27-4	Bromodichloromethane	U	0.4	1.0	1	1	0.4
10061-01-5	cis-1,3-dichloropropene	U	0.4	1.0	1	1	0.4
108-88-3	Toluene	U	0.4	1.0	1	1	0.4
10061-02-6	trans-1,3-Dichloropropene	U	0.4	1.0	1	1	0.4
79-00-5	1,1,2-Trichloroethane	U	0.5	1.0	1	1	0.5
124-48-1	Dibromochloromethane	U	0.3	1.0	1	1	0.3
127-18-4	Tetrachloroethene	U	0.6	1.0	1	1	0.6
106-93-4	1,2-Dibromoethane	U	0.3	1.0	1	1	0.3
108-90-7	Chlorobenzene	U	0.3	1.0	1	1	0.3
630-20-6	1,1,1,2-Tetrachloroethane	U	0.4	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	0.3	1.0	1	1	0.3
75-25-2	Bromoform	U	0.4	1.0	1	1	0.4
100-42-5	Styrene	U	0.3	1.0	1	1	0.3
79-34-5	1,1,2,2-Tetrachloroethane	U	0.6	1.0	1	1	0.6
96-18-4	1,2,3-Trichloropropane	U	0.5	1.0	1	1	0.5
96-12-8	1,2-Dibromo-3-Chloropropane	U	0.6	1.0	1	1	0.6
67-64-1	Acetone		5	1.0	5	5	3
78-93-3	2-Butanone	U	3	1.0	5	5	3
108-10-1	4-methyl-2-pentanone	U	2	1.0	5	5	2
591-78-6	2-Hexanone	U	2	1.0	5	5	2
	m+p-Xylenes	U	1.0	1.0	2	2	1.0
95-47-6	o-Xylene	U	0.4	1.0	1	1	0.4
108-05-4	Vinyl Acetate	U	0.5	1.0	1	1	0.5
75-15-0	Carbon Disulfide	U	0.6	1.0	1	1	0.6
75-05-8	Acetonitrile	U	14	1.0	25	25	14

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date: 10/26/06
Received Date: 11/07/06
Extraction Date:
Analysis Date: 15-NOV-2006 15:33
Report Date: 11/20/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6011-5
Client ID: TRIP BLANK
SDG: CTO33-6
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG34169
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
107-02-8	Acrolein	U	3	1.0	10	10	3
107-13-1	Acrylonitrile	U	4	1.0	5	5	4
126-99-8	Chloroprene	U	0.5	1.0	1	1	0.5
107-05-1	Allyl Chloride	U	0.6	1.0	1	1	0.6
123-91-1	1,4-Dioxane	U	20	1.0	100	100	20
107-12-0	Propionitrile	U	4	1.0	10	10	4
97-63-2	Ethyl Methacrylate	U	0.4	1.0	1	1	0.4
74-88-4	Iodomethane	U	0.2	1.0	1	1	0.2
78-83-1	Isobutyl Alcohol	U	13	1.0	20	20	13
126-98-7	Methacrylonitrile	U	3	1.0	10	10	3
80-62-6	Methyl Methacrylate	U	0.6	1.0	1	1	0.6
76-01-1	Pentachloroethane	U	0.6	1.0	1	1	0.6
110-57-6	trans-1,4-Dichloro-2-Butene	U	0.7	1.0	1	1	0.7
120-82-1	1,2,4-Trichlorobenzene	U	0.4	1.0	1	1	0.4
95-50-1	1,2-Dichlorobenzene	U	0.3	1.0	1	1	0.3
541-73-1	1,3-Dichlorobenzene	U	0.4	1.0	1	1	0.4
106-46-7	1,4-Dichlorobenzene	U	0.4	1.0	1	1	0.4
156-59-2	cis-1,2-Dichloroethene	U	0.5	1.0	1	1	0.5
1868-53-7	Dibromofluoromethane		92%				
17060-07-0	1,2-Dichloroethane-D4		100%				
2037-26-5	Toluene-D8		83%				
460-00-4	P-Bromofluorobenzene		92%				

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date: 10/26/06
Received Date: 11/08/06
Extraction Date:
Analysis Date: 15-NOV-2006 15:01
Report Date: 11/20/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6039-7
Client ID: TRIP BLANK
SDG: CTO33-6
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG34169
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	0.3	1.0	2	2	0.3
74-87-3	Chloromethane	I	1	1.0	2	2	0.6
75-01-4	Vinyl chloride	U	0.6	1.0	2	2	0.6
74-83-9	Bromomethane	U	0.6	1.0	2	2	0.6
75-00-3	Chloroethane	U	0.5	1.0	2	2	0.5
75-69-4	Trichlorofluoromethane	U	0.4	1.0	2	2	0.4
75-35-4	1,1-Dichloroethene	U	0.6	1.0	1	1	0.6
75-09-2	Methylene Chloride	U	2	1.0	5	5	2
156-60-5	trans-1,2-Dichloroethene	U	0.6	1.0	1	1	0.6
75-34-3	1,1-Dichloroethane	U	0.4	1.0	1	1	0.4
67-66-3	Chloroform	U	0.4	1.0	1	1	0.4
71-55-6	1,1,1-Trichloroethane	U	0.5	1.0	1	1	0.5
107-06-2	1,2-Dichloroethane	U	0.4	1.0	1	1	0.4
56-23-5	Carbon Tetrachloride	U	0.5	1.0	1	1	0.5
71-43-2	Benzene	U	0.5	1.0	1	1	0.5
78-87-5	1,2-Dichloropropane	U	0.5	1.0	1	1	0.5
79-01-6	Trichloroethene	U	0.4	1.0	1	1	0.4
74-95-3	Dibromomethane	U	0.4	1.0	1	1	0.4
75-27-4	Bromodichloromethane	U	0.4	1.0	1	1	0.4
10061-01-5	cis-1,3-dichloropropene	U	0.4	1.0	1	1	0.4
108-88-3	Toluene	U	0.4	1.0	1	1	0.4
10061-02-6	trans-1,3-Dichloropropene	U	0.4	1.0	1	1	0.4
79-00-5	1,1,2-Trichloroethane	U	0.5	1.0	1	1	0.5
124-48-1	Dibromochloromethane	U	0.3	1.0	1	1	0.3
127-18-4	Tetrachloroethene	U	0.6	1.0	1	1	0.6
106-93-4	1,2-Dibromoethane	U	0.3	1.0	1	1	0.3
108-90-7	Chlorobenzene	U	0.3	1.0	1	1	0.3
630-20-6	1,1,1,2-Tetrachloroethane	U	0.4	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	0.3	1.0	1	1	0.3
75-25-2	Bromoform	U	0.4	1.0	1	1	0.4
100-42-5	Styrene	U	0.3	1.0	1	1	0.3
79-34-5	1,1,2,2-Tetrachloroethane	U	0.6	1.0	1	1	0.6
96-18-4	1,2,3-Trichloropropane	U	0.5	1.0	1	1	0.5
96-12-8	1,2-Dibromo-3-Chloropropane	U	0.6	1.0	1	1	0.6
67-64-1	Acetone		5	1.0	5	5	3
78-93-3	2-Butanone	U	3	1.0	5	5	3
108-10-1	4-methyl-2-pentanone	U	2	1.0	5	5	2
591-78-6	2-Hexanone	U	2	1.0	5	5	2
	m+p-Xylenes	U	1.0	1.0	2	2	1.0
95-47-6	o-Xylene	U	0.4	1.0	1	1	0.4
108-05-4	Vinyl Acetate	U	0.5	1.0	1	1	0.5
75-15-0	Carbon Disulfide	U	0.6	1.0	1	1	0.6
75-05-8	Acetonitrile	U	14	1.0	25	25	14

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date: 10/26/06
Received Date: 11/08/06
Extraction Date:
Analysis Date: 15-NOV-2006 15:01
Report Date: 11/20/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6039-7
Client ID: TRIP BLANK
SDG: CTO33-6
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG34169
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
107-02-8	Acrolein	U	3	1.0	10	10	3
107-13-1	Acrylonitrile	U	4	1.0	5	5	4
126-99-8	Chloroprene	U	0.5	1.0	1	1	0.5
107-05-1	Allyl Chloride	U	0.6	1.0	1	1	0.6
123-91-1	1,4-Dioxane	U	20	1.0	100	100	20
107-12-0	Propionitrile	U	4	1.0	10	10	4
97-63-2	Ethyl Methacrylate	U	0.4	1.0	1	1	0.4
74-88-4	Iodomethane	U	0.2	1.0	1	1	0.2
78-83-1	Isobutyl Alcohol	U	13	1.0	20	20	13
126-98-7	Methacrylonitrile	U	3	1.0	10	10	3
80-62-6	Methyl Methacrylate	U	0.6	1.0	1	1	0.6
76-01-1	Pentachloroethane	U	0.6	1.0	1	1	0.6
110-57-6	trans-1,4-Dichloro-2-Butene	U	0.7	1.0	1	1	0.7
120-82-1	1,2,4-Trichlorobenzene	U	0.4	1.0	1	1	0.4
95-50-1	1,2-Dichlorobenzene	U	0.3	1.0	1	1	0.3
541-73-1	1,3-Dichlorobenzene	U	0.4	1.0	1	1	0.4
106-46-7	1,4-Dichlorobenzene	U	0.4	1.0	1	1	0.4
156-59-2	cis-1,2-Dichloroethene	U	0.5	1.0	1	1	0.5
1868-53-7	Dibromofluoromethane		94%				
17060-07-0	1,2-Dichloroethane-D4		101%				
2037-26-5	Toluene-D8		88%				
460-00-4	P-Bromofluorobenzene		96%				

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date: 11/07/06
Received Date: 11/08/06
Extraction Date:
Analysis Date: 15-NOV-2006 18:14
Report Date: 11/20/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6039-1
Client ID: PT09-GW-MW06S-11070
SDG: CTO33-6
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG34169
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	0.3	1.0	2	2	0.3
74-87-3	Chloromethane	U	0.6	1.0	2	2	0.6
75-01-4	Vinyl chloride	U	0.6	1.0	2	2	0.6
74-83-9	Bromomethane	U	0.6	1.0	2	2	0.6
75-00-3	Chloroethane	U	0.5	1.0	2	2	0.5
75-69-4	Trichlorofluoromethane	U	0.4	1.0	2	2	0.4
75-35-4	1,1-Dichloroethene	U	0.6	1.0	1	1	0.6
75-09-2	Methylene Chloride	U	2	1.0	5	5	2
156-60-5	trans-1,2-Dichloroethene	U	0.6	1.0	1	1	0.6
75-34-3	1,1-Dichloroethane	U	0.4	1.0	1	1	0.4
67-66-3	Chloroform	U	0.4	1.0	1	1	0.4
71-55-6	1,1,1-Trichloroethane	U	0.5	1.0	1	1	0.5
107-06-2	1,2-Dichloroethane	U	0.4	1.0	1	1	0.4
56-23-5	Carbon Tetrachloride	U	0.5	1.0	1	1	0.5
71-43-2	Benzene	U	0.5	1.0	1	1	0.5
78-87-5	1,2-Dichloropropane	U	0.5	1.0	1	1	0.5
79-01-6	Trichloroethene	U	0.4	1.0	1	1	0.4
74-95-3	Dibromomethane	U	0.4	1.0	1	1	0.4
75-27-4	Bromodichloromethane	U	0.4	1.0	1	1	0.4
10061-01-5	cis-1,3-dichloropropene	U	0.4	1.0	1	1	0.4
108-88-3	Toluene	U	0.4	1.0	1	1	0.4
10061-02-6	trans-1,3-Dichloropropene	U	0.4	1.0	1	1	0.4
79-00-5	1,1,2-Trichloroethane	U	0.5	1.0	1	1	0.5
124-48-1	Dibromochloromethane	U	0.3	1.0	1	1	0.3
127-18-4	Tetrachloroethene	U	0.6	1.0	1	1	0.6
106-93-4	1,2-Dibromoethane	U	0.3	1.0	1	1	0.3
108-90-7	Chlorobenzene	U	0.3	1.0	1	1	0.3
630-20-6	1,1,1,2-Tetrachloroethane	U	0.4	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	0.3	1.0	1	1	0.3
75-25-2	Bromoform	U	0.4	1.0	1	1	0.4
100-42-5	Styrene	U	0.3	1.0	1	1	0.3
79-34-5	1,1,2,2-Tetrachloroethane	U	0.6	1.0	1	1	0.6
96-18-4	1,2,3-Trichloropropane	U	0.5	1.0	1	1	0.5
96-12-8	1,2-Dibromo-3-Chloropropane	U	0.6	1.0	1	1	0.6
67-64-1	Acetone	U	3	1.0	5	5	3
78-93-3	2-Butanone	U	3	1.0	5	5	3
108-10-1	4-methyl-2-pentanone	U	2	1.0	5	5	2
591-78-6	2-Hexanone	U	2	1.0	5	5	2
	m+p-Xylenes	U	1.0	1.0	2	2	1.0
95-47-6	o-Xylene	U	0.4	1.0	1	1	0.4
108-05-4	Vinyl Acetate	U	0.5	1.0	1	1	0.5
75-15-0	Carbon Disulfide	U	0.6	1.0	1	1	0.6
75-05-8	Acetonitrile	U	14	1.0	25	25	14

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date: 11/07/06
Received Date: 11/08/06
Extraction Date:
Analysis Date: 15-NOV-2006 18:14
Report Date: 11/20/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6039-1
Client ID: PT09-GW-MW06S-11070
SDG: CTO33-6
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG34169
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
107-02-8	Acrolein	U	3	1.0	10	10	3
107-13-1	Acrylonitrile	U	4	1.0	5	5	4
126-99-8	Chloroprene	U	0.5	1.0	1	1	0.5
107-05-1	Allyl Chloride	U	0.6	1.0	1	1	0.6
123-91-1	1,4-Dioxane	U	20	1.0	100	100	20
107-12-0	Propionitrile	U	4	1.0	10	10	4
97-63-2	Ethyl Methacrylate	U	0.4	1.0	1	1	0.4
74-88-4	Iodomethane	U	0.2	1.0	1	1	0.2
78-83-1	Isobutyl Alcohol	U	13	1.0	20	20	13
126-98-7	Methacrylonitrile	U	3	1.0	10	10	3
80-62-6	Methyl Methacrylate	U	0.6	1.0	1	1	0.6
76-01-1	Pentachloroethane	U	0.6	1.0	1	1	0.6
110-57-6	trans-1,4-Dichloro-2-Butene	U	0.7	1.0	1	1	0.7
120-82-1	1,2,4-Trichlorobenzene	U	0.4	1.0	1	1	0.4
95-50-1	1,2-Dichlorobenzene	U	0.3	1.0	1	1	0.3
541-73-1	1,3-Dichlorobenzene	U	0.4	1.0	1	1	0.4
106-46-7	1,4-Dichlorobenzene	U	0.4	1.0	1	1	0.4
156-59-2	cis-1,2-Dichloroethene	U	0.5	1.0	1	1	0.5
1868-53-7	Dibromofluoromethane		92%				
17060-07-0	1,2-Dichloroethane-D4		97%				
2037-26-5	Toluene-D8		85%				
460-00-4	P-Bromofluorobenzene		91%				

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date: 11/07/06
Received Date: 11/08/06
Extraction Date:
Analysis Date: 15-NOV-2006 18:46
Report Date: 11/20/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6039-2
Client ID: PT09-GW-MW04S-11070
SDG: CTO33-6
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG34169
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	0.3	1.0	2	2	0.3
74-87-3	Chloromethane	U	0.6	1.0	2	2	0.6
75-01-4	Vinyl chloride	U	0.6	1.0	2	2	0.6
74-83-9	Bromomethane	U	0.6	1.0	2	2	0.6
75-00-3	Chloroethane	U	0.5	1.0	2	2	0.5
75-69-4	Trichlorofluoromethane	U	0.4	1.0	2	2	0.4
75-35-4	1,1-Dichloroethene	U	0.6	1.0	1	1	0.6
75-09-2	Methylene Chloride	U	2	1.0	5	5	2
156-60-5	trans-1,2-Dichloroethene	U	0.6	1.0	1	1	0.6
75-34-3	1,1-Dichloroethane	U	0.4	1.0	1	1	0.4
67-66-3	Chloroform	U	0.4	1.0	1	1	0.4
71-55-6	1,1,1-Trichloroethane	U	0.5	1.0	1	1	0.5
107-06-2	1,2-Dichloroethane	U	0.4	1.0	1	1	0.4
56-23-5	Carbon Tetrachloride	U	0.5	1.0	1	1	0.5
71-43-2	Benzene	U	0.5	1.0	1	1	0.5
78-87-5	1,2-Dichloropropane	U	0.5	1.0	1	1	0.5
79-01-6	Trichloroethene	U	0.4	1.0	1	1	0.4
74-95-3	Dibromomethane	U	0.4	1.0	1	1	0.4
75-27-4	Bromodichloromethane	U	0.4	1.0	1	1	0.4
10061-01-5	cis-1,3-dichloropropene	U	0.4	1.0	1	1	0.4
108-88-3	Toluene	U	0.4	1.0	1	1	0.4
10061-02-6	trans-1,3-Dichloropropene	U	0.4	1.0	1	1	0.4
79-00-5	1,1,2-Trichloroethane	U	0.5	1.0	1	1	0.5
124-48-1	Dibromochloromethane	U	0.3	1.0	1	1	0.3
127-18-4	Tetrachloroethene	U	0.6	1.0	1	1	0.6
106-93-4	1,2-Dibromoethane	U	0.3	1.0	1	1	0.3
108-90-7	Chlorobenzene	U	0.3	1.0	1	1	0.3
630-20-6	1,1,1,2-Tetrachloroethane	U	0.4	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	0.3	1.0	1	1	0.3
75-25-2	Bromoform	U	0.4	1.0	1	1	0.4
100-42-5	Styrene	U	0.3	1.0	1	1	0.3
79-34-5	1,1,2,2-Tetrachloroethane	U	0.6	1.0	1	1	0.6
96-18-4	1,2,3-Trichloropropane	U	0.5	1.0	1	1	0.5
96-12-8	1,2-Dibromo-3-Chloropropane	U	0.6	1.0	1	1	0.6
67-64-1	Acetone	U	3	1.0	5	5	3
78-93-3	2-Butanone	U	3	1.0	5	5	3
108-10-1	4-methyl-2-pentanone	U	2	1.0	5	5	2
591-78-6	2-Hexanone	U	2	1.0	5	5	2
	m+p-Xylenes	U	1.0	1.0	2	2	1.0
95-47-6	o-Xylene	U	0.4	1.0	1	1	0.4
108-05-4	Vinyl Acetate	U	0.5	1.0	1	1	0.5
75-15-0	Carbon Disulfide	U	0.6	1.0	1	1	0.6
75-05-8	Acetonitrile	U	14	1.0	25	25	14

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date: 11/07/06
Received Date: 11/08/06
Extraction Date:
Analysis Date: 15-NOV-2006 18:46
Report Date: 11/20/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6039-2
Client ID: PT09-GW-MW04S-11070
SDG: CTO33-6
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG34169
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
107-02-8	Acrolein	U	3	1.0	10	10	3
107-13-1	Acrylonitrile	U	4	1.0	5	5	4
126-99-8	Chloroprene	U	0.5	1.0	1	1	0.5
107-05-1	Allyl Chloride	U	0.6	1.0	1	1	0.6
123-91-1	1,4-Dioxane	U	20	1.0	100	100	20
107-12-0	Propionitrile	U	4	1.0	10	10	4
97-63-2	Ethyl Methacrylate	U	0.4	1.0	1	1	0.4
74-88-4	Iodomethane	U	0.2	1.0	1	1	0.2
78-83-1	Isobutyl Alcohol	U	13	1.0	20	20	13
126-98-7	Methacrylonitrile	U	3	1.0	10	10	3
80-62-6	Methyl Methacrylate	U	0.6	1.0	1	1	0.6
76-01-1	Pentachloroethane	U	0.6	1.0	1	1	0.6
110-57-6	trans-1,4-Dichloro-2-Butene	U	0.7	1.0	1	1	0.7
120-82-1	1,2,4-Trichlorobenzene	U	0.4	1.0	1	1	0.4
95-50-1	1,2-Dichlorobenzene	U	0.3	1.0	1	1	0.3
541-73-1	1,3-Dichlorobenzene	U	0.4	1.0	1	1	0.4
106-46-7	1,4-Dichlorobenzene	U	0.4	1.0	1	1	0.4
156-59-2	cis-1,2-Dichloroethene	U	0.5	1.0	1	1	0.5
1868-53-7	Dibromofluoromethane		94%				
17060-07-0	1,2-Dichloroethane-D4		102%				
2037-26-5	Toluene-D8		94%				
460-00-4	P-Bromofluorobenzene		104%				

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date: 11/07/06
Received Date: 11/08/06
Extraction Date:
Analysis Date: 15-NOV-2006 19:19
Report Date: 11/20/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6039-3
Client ID: PT09-GW-MW05S-11070
SDG: CTO33-6
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG34169
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	0.3	1.0	2	2	0.3
74-87-3	Chloromethane	U	0.6	1.0	2	2	0.6
75-01-4	Vinyl chloride	U	0.6	1.0	2	2	0.6
74-83-9	Bromomethane	U	0.6	1.0	2	2	0.6
75-00-3	Chloroethane	U	0.5	1.0	2	2	0.5
75-69-4	Trichlorofluoromethane	U	0.4	1.0	2	2	0.4
75-35-4	1,1-Dichloroethene	U	0.6	1.0	1	1	0.6
75-09-2	Methylene Chloride	U	2	1.0	5	5	2
156-60-5	trans-1,2-Dichloroethene	U	0.6	1.0	1	1	0.6
75-34-3	1,1-Dichloroethane	U	0.4	1.0	1	1	0.4
67-66-3	Chloroform	U	0.4	1.0	1	1	0.4
71-55-6	1,1,1-Trichloroethane	U	0.5	1.0	1	1	0.5
107-06-2	1,2-Dichloroethane	U	0.4	1.0	1	1	0.4
56-23-5	Carbon Tetrachloride	U	0.5	1.0	1	1	0.5
71-43-2	Benzene	U	0.5	1.0	1	1	0.5
78-87-5	1,2-Dichloropropane	U	0.5	1.0	1	1	0.5
79-01-6	Trichloroethene	U	0.4	1.0	1	1	0.4
74-95-3	Dibromomethane	U	0.4	1.0	1	1	0.4
75-27-4	Bromodichloromethane	U	0.4	1.0	1	1	0.4
10061-01-5	cis-1,3-dichloropropene	U	0.4	1.0	1	1	0.4
108-88-3	Toluene	U	0.4	1.0	1	1	0.4
10061-02-6	trans-1,3-Dichloropropene	U	0.4	1.0	1	1	0.4
79-00-5	1,1,2-Trichloroethane	U	0.5	1.0	1	1	0.5
124-48-1	Dibromochloromethane	U	0.3	1.0	1	1	0.3
127-18-4	Tetrachloroethene	U	0.6	1.0	1	1	0.6
106-93-4	1,2-Dibromoethane	U	0.3	1.0	1	1	0.3
108-90-7	Chlorobenzene	U	0.3	1.0	1	1	0.3
630-20-6	1,1,1,2-Tetrachloroethane	U	0.4	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	0.3	1.0	1	1	0.3
75-25-2	Bromoform	U	0.4	1.0	1	1	0.4
100-42-5	Styrene	U	0.3	1.0	1	1	0.3
79-34-5	1,1,2,2-Tetrachloroethane	U	0.6	1.0	1	1	0.6
96-18-4	1,2,3-Trichloropropane	U	0.5	1.0	1	1	0.5
96-12-8	1,2-Dibromo-3-Chloropropane	U	0.6	1.0	1	1	0.6
67-64-1	Acetone	U	3	1.0	5	5	3
78-93-3	2-Butanone	U	3	1.0	5	5	3
108-10-1	4-methyl-2-pentanone	U	2	1.0	5	5	2
591-78-6	2-Hexanone	U	2	1.0	5	5	2
	m+p-Xylenes	U	1.0	1.0	2	2	1.0
95-47-6	o-Xylene	U	0.4	1.0	1	1	0.4
108-05-4	Vinyl Acetate	U	0.5	1.0	1	1	0.5
75-15-0	Carbon Disulfide	U	0.6	1.0	1	1	0.6
75-05-8	Acetonitrile	U	14	1.0	25	25	14

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date: 11/07/06
Received Date: 11/08/06
Extraction Date:
Analysis Date: 15-NOV-2006 19:19
Report Date: 11/20/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6039-3
Client ID: PT09-GW-MW05S-11070
SDG: CTO33-6
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG34169
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
107-02-8	Acrolein	U	3	1.0	10	10	3
107-13-1	Acrylonitrile	U	4	1.0	5	5	4
126-99-8	Chloroprene	U	0.5	1.0	1	1	0.5
107-05-1	Allyl Chloride	U	0.6	1.0	1	1	0.6
123-91-1	1,4-Dioxane	U	20	1.0	100	100	20
107-12-0	Propionitrile	U	4	1.0	10	10	4
97-63-2	Ethyl Methacrylate	U	0.4	1.0	1	1	0.4
74-88-4	Iodomethane	U	0.2	1.0	1	1	0.2
78-83-1	Isobutyl Alcohol	U	13	1.0	20	20	13
126-98-7	Methacrylonitrile	U	3	1.0	10	10	3
80-62-6	Methyl Methacrylate	U	0.6	1.0	1	1	0.6
76-01-1	Pentachloroethane	U	0.6	1.0	1	1	0.6
110-57-6	trans-1,4-Dichloro-2-Butene	U	0.7	1.0	1	1	0.7
120-82-1	1,2,4-Trichlorobenzene	U	0.4	1.0	1	1	0.4
95-50-1	1,2-Dichlorobenzene	U	0.3	1.0	1	1	0.3
541-73-1	1,3-Dichlorobenzene	U	0.4	1.0	1	1	0.4
106-46-7	1,4-Dichlorobenzene	U	0.4	1.0	1	1	0.4
156-59-2	cis-1,2-Dichloroethene	U	0.5	1.0	1	1	0.5
1868-53-7	Dibromofluoromethane		92%				
17060-07-0	1,2-Dichloroethane-D4		98%				
2037-26-5	Toluene-D8		89%				
460-00-4	P-Bromofluorobenzene		96%				

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date: 11/07/06
Received Date: 11/08/06
Extraction Date:
Analysis Date: 15-NOV-2006 19:51
Report Date: 11/20/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6039-4
Client ID: PT09-GW-RB01-110706
SDG: CTO33-6
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG34169
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	0.3	1.0	2	2	0.3
74-87-3	Chloromethane	U	0.6	1.0	2	2	0.6
75-01-4	Vinyl chloride	U	0.6	1.0	2	2	0.6
74-83-9	Bromomethane	U	0.6	1.0	2	2	0.6
75-00-3	Chloroethane	U	0.5	1.0	2	2	0.5
75-69-4	Trichlorofluoromethane	U	0.4	1.0	2	2	0.4
75-35-4	1,1-Dichloroethene	U	0.6	1.0	1	1	0.6
75-09-2	Methylene Chloride	U	2	1.0	5	5	2
156-60-5	trans-1,2-Dichloroethene	U	0.6	1.0	1	1	0.6
75-34-3	1,1-Dichloroethane	U	0.4	1.0	1	1	0.4
67-66-3	Chloroform	I	0.5	1.0	1	1	0.4
71-55-6	1,1,1-Trichloroethane	U	0.5	1.0	1	1	0.5
107-06-2	1,2-Dichloroethane	U	0.4	1.0	1	1	0.4
56-23-5	Carbon Tetrachloride	U	0.5	1.0	1	1	0.5
71-43-2	Benzene	U	0.5	1.0	1	1	0.5
78-87-5	1,2-Dichloropropane	U	0.5	1.0	1	1	0.5
79-01-6	Trichloroethene	U	0.4	1.0	1	1	0.4
74-95-3	Dibromomethane	U	0.4	1.0	1	1	0.4
75-27-4	Bromodichloromethane	U	0.4	1.0	1	1	0.4
10061-01-5	cis-1,3-dichloropropene	U	0.4	1.0	1	1	0.4
108-88-3	Toluene	U	0.4	1.0	1	1	0.4
10061-02-6	trans-1,3-Dichloropropene	U	0.4	1.0	1	1	0.4
79-00-5	1,1,2-Trichloroethane	U	0.5	1.0	1	1	0.5
124-48-1	Dibromochloromethane	U	0.3	1.0	1	1	0.3
127-18-4	Tetrachloroethene	U	0.6	1.0	1	1	0.6
106-93-4	1,2-Dibromoethane	U	0.3	1.0	1	1	0.3
108-90-7	Chlorobenzene	U	0.3	1.0	1	1	0.3
630-20-6	1,1,1,2-Tetrachloroethane	U	0.4	1.0	1	1	0.4
100-41-4	Ethylbenzene	U	0.3	1.0	1	1	0.3
75-25-2	Bromoform	U	0.4	1.0	1	1	0.4
100-42-5	Styrene	U	0.3	1.0	1	1	0.3
79-34-5	1,1,2,2-Tetrachloroethane	U	0.6	1.0	1	1	0.6
96-18-4	1,2,3-Trichloropropane	U	0.5	1.0	1	1	0.5
96-12-8	1,2-Dibromo-3-Chloropropane	U	0.6	1.0	1	1	0.6
67-64-1	Acetone		11	1.0	5	5	3
78-93-3	2-Butanone	I	3	1.0	5	5	3
108-10-1	4-methyl-2-pentanone	U	2	1.0	5	5	2
591-78-6	2-Hexanone	U	2	1.0	5	5	2
	m+p-Xylenes	U	1.0	1.0	2	2	1.0
95-47-6	o-Xylene	U	0.4	1.0	1	1	0.4
108-05-4	Vinyl Acetate	U	0.5	1.0	1	1	0.5
75-15-0	Carbon Disulfide	U	0.6	1.0	1	1	0.6
75-05-8	Acetonitrile	U	14	1.0	25	25	14

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date: 11/07/06
Received Date: 11/08/06
Extraction Date:
Analysis Date: 15-NOV-2006 19:51
Report Date: 11/20/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6039-4
Client ID: PT09-GW-RB01-110706
SDG: CTO33-6
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG34169
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
107-02-8	Acrolein	U	3	1.0	10	10	3
107-13-1	Acrylonitrile	U	4	1.0	5	5	4
126-99-8	Chloroprene	U	0.5	1.0	1	1	0.5
107-05-1	Allyl Chloride	U	0.6	1.0	1	1	0.6
123-91-1	1,4-Dioxane	U	20	1.0	100	100	20
107-12-0	Propionitrile	U	4	1.0	10	10	4
97-63-2	Ethyl Methacrylate	U	0.4	1.0	1	1	0.4
74-88-4	Iodomethane	U	0.2	1.0	1	1	0.2
78-83-1	Isobutyl Alcohol	U	13	1.0	20	20	13
126-98-7	Methacrylonitrile	U	3	1.0	10	10	3
80-62-6	Methyl Methacrylate	U	0.6	1.0	1	1	0.6
76-01-1	Pentachloroethane	U	0.6	1.0	1	1	0.6
110-57-6	trans-1,4-Dichloro-2-Butene	U	0.7	1.0	1	1	0.7
120-82-1	1,2,4-Trichlorobenzene	U	0.4	1.0	1	1	0.4
95-50-1	1,2-Dichlorobenzene	U	0.3	1.0	1	1	0.3
541-73-1	1,3-Dichlorobenzene	U	0.4	1.0	1	1	0.4
106-46-7	1,4-Dichlorobenzene	U	0.4	1.0	1	1	0.4
156-59-2	cis-1,2-Dichloroethene	U	0.5	1.0	1	1	0.5
1868-53-7	Dibromofluoromethane		92%				
17060-07-0	1,2-Dichloroethane-D4		102%				
2037-26-5	Toluene-D8		86%				
460-00-4	P-Bromofluorobenzene		97%				

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date: 11/07/06
Received Date: 11/08/06
Extraction Date:
Analysis Date: 16-NOV-2006 17:48
Report Date: 11/20/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6039-5
Client ID: PT11-GW-MW05S-11070
SDG: CTO33-6
Extracted by:
Extraction Method: SW846 5030
Analyst: DMF
Analysis Method: SW846 8260B
Lab Prep Batch: WG34235
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-88-3	Toluene	U	0.4	1.0	1	1	0.4
71-43-2	Benzene	U	0.5	1.0	1	1	0.5
100-41-4	Ethylbenzene	U	0.3	1.0	1	1	0.3
	m+p-Xylenes	U	1.0	1.0	2	2	1.0
95-47-6	o-Xylene	U	0.4	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	1	1.0	3	3	1
1634-04-4	Methyl tert-butyl ether	U	0.5	1.0	1	1	0.5
1868-53-7	Dibromofluoromethane		98%				
17060-07-0	1,2-Dichloroethane-D4		95%				
2037-26-5	Toluene-D8		93%				
460-00-4	P-Bromofluorobenzene		109%				

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date: 11/07/06
Received Date: 11/08/06
Extraction Date:
Analysis Date: 16-NOV-2006 18:19
Report Date: 11/20/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6039-6
Client ID: PT11-GW-RB02-110706
SDG: CTO33-6
Extracted by:
Extraction Method: SW846 5030
Analyst: DMF
Analysis Method: SW846 8260B
Lab Prep Batch: WG34235
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-88-3	Toluene	U	0.4	1.0	1	1	0.4
71-43-2	Benzene	U	0.5	1.0	1	1	0.5
100-41-4	Ethylbenzene	U	0.3	1.0	1	1	0.3
	m+p-Xylenes	U	1.0	1.0	2	2	1.0
95-47-6	o-Xylene	U	0.4	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	1	1.0	3	3	1
1634-04-4	Methyl tert-butyl ether	U	0.5	1.0	1	1	0.5
1868-53-7	Dibromofluoromethane		97%				
17060-07-0	1,2-Dichloroethane-D4		95%				
2037-26-5	Toluene-D8		91%				
460-00-4	P-Bromofluorobenzene		107%				

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date: 11/08/06
Received Date: 11/09/06
Extraction Date:
Analysis Date: 17-NOV-2006 13:21
Report Date: 11/20/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6081-1
Client ID: PT51-GW-MW01S-11080
SDG: CTO33-6
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG34243
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-88-3	Toluene	U	0.4	1.0	1	1	0.4
71-43-2	Benzene	U	0.5	1.0	1	1	0.5
100-41-4	Ethylbenzene	U	0.3	1.0	1	1	0.3
	m+p-Xylenes	U	1.0	1.0	2	2	1.0
95-47-6	o-Xylene	U	0.4	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	1	1.0	3	3	1
1634-04-4	Methyl tert-butyl ether	U	0.5	1.0	1	1	0.5
1868-53-7	Dibromofluoromethane		96%				
17060-07-0	1,2-Dichloroethane-D4		101%				
2037-26-5	Toluene-D8		96%				
460-00-4	P-Bromofluorobenzene		93%				

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date: 11/08/06
Received Date: 11/09/06
Extraction Date:
Analysis Date: 17-NOV-2006 13:54
Report Date: 11/20/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6081-2
Client ID: PT51-GW-MW02S-11080
SDG: CTO33-6
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG34243
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-88-3	Toluene	U	0.4	1.0	1	1	0.4
71-43-2	Benzene	U	0.5	1.0	1	1	0.5
100-41-4	Ethylbenzene	U	0.3	1.0	1	1	0.3
	m+p-Xylenes	U	1.0	1.0	2	2	1.0
95-47-6	o-Xylene	U	0.4	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	1	1.0	3	3	1
1634-04-4	Methyl tert-butyl ether	U	0.5	1.0	1	1	0.5
1868-53-7	Dibromofluoromethane		97%				
17060-07-0	1,2-Dichloroethane-D4		98%				
2037-26-5	Toluene-D8		96%				
460-00-4	P-Bromofluorobenzene		94%				

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date: 11/08/06
Received Date: 11/09/06
Extraction Date:
Analysis Date: 17-NOV-2006 14:27
Report Date: 11/20/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6081-3
Client ID: PT51-GW-MW03S-11080
SDG: CTO33-6
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG34243
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-88-3	Toluene	U	0.4	1.0	1	1	0.4
71-43-2	Benzene	U	0.5	1.0	1	1	0.5
100-41-4	Ethylbenzene	U	0.3	1.0	1	1	0.3
	m+p-Xylenes	U	1.0	1.0	2	2	1.0
95-47-6	o-Xylene	U	0.4	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	1	1.0	3	3	1
1634-04-4	Methyl tert-butyl ether	U	0.5	1.0	1	1	0.5
1868-53-7	Dibromofluoromethane		98%				
17060-07-0	1,2-Dichloroethane-D4		95%				
2037-26-5	Toluene-D8		95%				
460-00-4	P-Bromofluorobenzene		92%				

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date: 11/08/06
Received Date: 11/09/06
Extraction Date:
Analysis Date: 17-NOV-2006 12:49
Report Date: 11/20/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6081-4
Client ID: MPT51-RB03-110806
SDG: CTO33-6
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG34243
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-88-3	Toluene	U	0.4	1.0	1	1	0.4
71-43-2	Benzene	U	0.5	1.0	1	1	0.5
100-41-4	Ethylbenzene	U	0.3	1.0	1	1	0.3
	m+p-Xylenes	U	1.0	1.0	2	2	1.0
95-47-6	o-Xylene	U	0.4	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	1	1.0	3	3	1
1634-04-4	Methyl tert-butyl ether	U	0.5	1.0	1	1	0.5
1868-53-7	Dibromofluoromethane		98%				
17060-07-0	1,2-Dichloroethane-D4		102%				
2037-26-5	Toluene-D8		97%				
460-00-4	P-Bromofluorobenzene		93%				

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date: 11/08/06
Received Date: 11/09/06
Extraction Date:
Analysis Date: 17-NOV-2006 15:00
Report Date: 11/20/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6081-5
Client ID: PT07-GW-TW01S-11080
SDG: CTO33-6
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG34243
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-88-3	Toluene	U	0.4	1.0	1	1	0.4
71-43-2	Benzene	U	0.5	1.0	1	1	0.5
100-41-4	Ethylbenzene	U	0.3	1.0	1	1	0.3
	m+p-Xylenes	U	1.0	1.0	2	2	1.0
95-47-6	o-Xylene	U	0.4	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	1	1.0	3	3	1
1634-04-4	Methyl tert-butyl ether	U	0.5	1.0	1	1	0.5
1868-53-7	Dibromofluoromethane		97%				
17060-07-0	1,2-Dichloroethane-D4		89%				
2037-26-5	Toluene-D8		95%				
460-00-4	P-Bromofluorobenzene		91%				

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date: 11/08/06
Received Date: 11/09/06
Extraction Date:
Analysis Date: 17-NOV-2006 15:33
Report Date: 11/20/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6081-6
Client ID: PT08-GW-MW12S-11080
SDG: CTO33-6
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG34243
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-88-3	Toluene	U	0.4	1.0	1	1	0.4
71-43-2	Benzene	U	0.5	1.0	1	1	0.5
100-41-4	Ethylbenzene	U	0.3	1.0	1	1	0.3
	m+p-Xylenes	U	1.0	1.0	2	2	1.0
95-47-6	o-Xylene	U	0.4	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	1	1.0	3	3	1
1634-04-4	Methyl tert-butyl ether	U	0.5	1.0	1	1	0.5
1868-53-7	Dibromofluoromethane		92%				
17060-07-0	1,2-Dichloroethane-D4		82%				
2037-26-5	Toluene-D8		94%				
460-00-4	P-Bromofluorobenzene		89%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date: 11/07/06
Received Date: 11/08/06
Extraction Date: 11/15/06
Analysis Date: 15-NOV-2006 15:31
Report Date: 11/21/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6039-5
Client ID: PT11-GW-MW05S-11070
SDG: CTO33-6
Extracted by: JLP
Extraction Method: 504.1
Analyst: JLP
Analysis Method: SW846 8011
Lab Prep Batch: WG34146
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
106-93-4	1,2-Dibromoethane	U	0.0065	1.0	0.050	0.050	0.0065
877-09-8	Tetrachloro-M-Xylene		94%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date: 11/07/06
Received Date: 11/08/06
Extraction Date: 11/15/06
Analysis Date: 15-NOV-2006 15:50
Report Date: 11/21/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6039-6
Client ID: PT11-GW-RB02-110706
SDG: CTO33-6
Extracted by: JLP
Extraction Method: 504.1
Analyst: JLP
Analysis Method: SW846 8011
Lab Prep Batch: WG34146
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
106-93-4	1,2-Dibromoethane	U	0.0066	1.0	0.050	0.050	0.0066
877-09-8	Tetrachloro-M-Xylene		98%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date: 11/08/06
Received Date: 11/09/06
Extraction Date: 11/15/06
Analysis Date: 15-NOV-2006 16:08
Report Date: 11/21/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6081-1
Client ID: PT51-GW-MW01S-11080
SDG: CTO33-6
Extracted by: JLP
Extraction Method: 504.1
Analyst: JLP
Analysis Method: SW846 8011
Lab Prep Batch: WG34146
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
106-93-4	1,2-Dibromoethane	U	0.0065	1.0	0.050	0.050	0.0065
877-09-8	Tetrachloro-M-Xylene		75%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date: 11/08/06
Received Date: 11/09/06
Extraction Date: 11/15/06
Analysis Date: 15-NOV-2006 16:26
Report Date: 11/21/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6081-2
Client ID: PT51-GW-MW02S-11080
SDG: CTO33-6
Extracted by: JLP
Extraction Method: 504.1
Analyst: JLP
Analysis Method: SW846 8011
Lab Prep Batch: WG34146
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
106-93-4	1,2-Dibromoethane	U	0.0065	1.0	0.050	0.050	0.0065
877-09-8	Tetrachloro-M-Xylene		45%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date: 11/08/06
Received Date: 11/09/06
Extraction Date: 11/15/06
Analysis Date: 15-NOV-2006 16:44
Report Date: 11/21/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6081-3
Client ID: PT51-GW-MW03S-11080
SDG: CTO33-6
Extracted by: JLP
Extraction Method: 504.1
Analyst: JLP
Analysis Method: SW846 8011
Lab Prep Batch: WG34146
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
106-93-4	1,2-Dibromoethane	U	0.0065	1.0	0.050	0.050	0.0065
877-09-8	Tetrachloro-M-Xylene		103%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date: 11/08/06
Received Date: 11/09/06
Extraction Date: 11/15/06
Analysis Date: 15-NOV-2006 17:02
Report Date: 11/21/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6081-4
Client ID: MPT51-RB03-110806
SDG: CTO33-6
Extracted by: JLP
Extraction Method: 504.1
Analyst: JLP
Analysis Method: SW846 8011
Lab Prep Batch: WG34146
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
106-93-4	1,2-Dibromoethane	U	0.0065	1.0	0.050	0.050	0.0065
877-09-8	Tetrachloro-M-Xylene		96%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date: 11/08/06
Received Date: 11/09/06
Extraction Date: 11/15/06
Analysis Date: 15-NOV-2006 17:21
Report Date: 11/21/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6081-5
Client ID: PT07-GW-TW01S-11080
SDG: CTO33-6
Extracted by: JLP
Extraction Method: 504.1
Analyst: JLP
Analysis Method: SW846 8011
Lab Prep Batch: WG34146
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
106-93-4	1,2-Dibromoethane	U	0.0065	1.0	0.050	0.050	0.0065
877-09-8	Tetrachloro-M-Xylene		78%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date: 11/08/06
Received Date: 11/09/06
Extraction Date: 11/15/06
Analysis Date: 15-NOV-2006 17:39
Report Date: 11/21/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6081-6
Client ID: PT08-GW-MW12S-11080
SDG: CTO33-6
Extracted by: JLP
Extraction Method: 504.1
Analyst: JLP
Analysis Method: SW846 8011
Lab Prep Batch: WG34146
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
106-93-4	1,2-Dibromoethane	U	0.0065	1.0	0.050	0.050	0.0065
877-09-8	Tetrachloro-M-Xylene		90%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date: 11/06/06
Received Date: 11/07/06
Extraction Date: 11/09/06
Analysis Date: 14-NOV-2006 11:35
Report Date: 11/20/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6011-1
Client ID: PT10-GW-MW01S-11060
SDG: CTO33-6
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG33955
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
62-75-9	N-Nitrosodimethylamine	U	4	1.0	10	10	4
110-86-1	Pyridine	U	2	1.0	50	50	2
109-06-8	2-Picoline	U	3	1.0	10	10	3
10595-95-6	N-Nitrosomethylethylamine	U	5	1.0	10	10	5
66-27-3	Methyl Methanesulfonate	U	7	1.0	20	20	7
55-18-5	N-Nitrosodiethylamine	U	3	1.0	20	20	3
62-50-0	Ethyl Methanesulfonate	U	7	1.0	10	10	7
62-53-3	Aniline	U	6	1.0	25	25	6
108-95-2	Phenol	U	8	1.0	10	10	8
111-44-4	Bis(2-Chloroethyl)ether	U	4	1.0	10	10	4
95-57-8	2-Chlorophenol	U	8	1.0	10	10	8
100-51-6	Benzyl alcohol	U	8	1.0	20	20	8
95-48-7	2-Methylphenol	U	8	1.0	10	10	8
108-60-1	Bis(2-Chloroisopropyl)ether	U	3	1.0	10	10	3
930-55-2	N-Nitrosopyrrolidine	U	5	1.0	10	10	5
98-86-2	Acetophenone	U	5	1.0	10	10	5
621-64-7	N-Nitroso-di-n-propylamine	U	4	1.0	10	10	4
95-53-4	o-Toluidine	U	10	1.0	10	10	10
106-44-5	3&4-Methylphenol	U	8	1.0	10	10	8
59-89-2	N-Nitrosomorpholine	U	4	1.0	10	10	4
67-72-1	Hexachloroethane	U	3	1.0	10	10	3
98-95-3	Nitrobenzene	U	2	1.0	10	10	2
100-75-4	N-Nitrosopiperidine	U	3	1.0	10	10	3
78-59-1	Isophorone	U	3	1.0	10	10	3
88-75-5	2-Nitrophenol	U	7	1.0	10	10	7
105-67-9	2,4-Dimethylphenol	U	7	1.0	10	10	7
126-68-1	O,O,O-Triethylphosphorothioat	U	3	1.0	20	20	3
111-91-1	Bis(2-Chloroethoxy)methane	U	3	1.0	10	10	3
120-83-2	2,4-Dichlorophenol	U	7	1.0	10	10	7
120-82-1	1,2,4-Trichlorobenzene	U	2	1.0	10	10	2
91-20-3	Naphthalene	U	2	1.0	10	10	2
122-09-8	A,A-Dimethylphenethylamine	U	15	1.0	25	25	15
87-65-0	2,6-Dichlorophenol	U	8	1.0	10	10	8
106-47-8	4-Chloroaniline	U	4	1.0	10	10	4
1888-71-7	Hexachloropropene	U	3	1.0	10	10	3
87-68-3	Hexachlorobutadiene	U	2	1.0	10	10	2
924-16-3	N-Nitroso-Di-N-Butylamine	U	8	1.0	10	10	8
106-50-3	p-Phenylenediamine	U	5	1.0	10	10	5
59-50-7	4-Chloro-3-Methylphenol	U	9	1.0	10	10	9
94-59-7	Safrole	U	3	1.0	10	10	3
120-58-1	Isosafrole	U	5	1.0	20	20	5
91-57-6	2-Methylnaphthalene	U	4	1.0	10	10	4
77-47-4	Hexachlorocyclopentadiene	U	2	1.0	10	10	2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date: 11/06/06
Received Date: 11/07/06
Extraction Date: 11/09/06
Analysis Date: 14-NOV-2006 11:35
Report Date: 11/20/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6011-1
Client ID: PT10-GW-MW01S-11060
SDG: CTO33-6
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG33955
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
95-94-3	1,2,4,5-Tetrachlorobenzene	U	4	1.0	10	10	4
88-06-2	2,4,6-Trichlorophenol	U	6	1.0	10	10	6
95-95-4	2,4,5-Trichlorophenol	U	6	1.0	25	25	6
91-58-7	2-Chloronaphthalene	U	2	1.0	10	10	2
88-74-4	2-Nitroaniline	U	3	1.0	25	25	3
130-15-4	1,4-Naphthoquinone	U	4	1.0	10	10	4
131-11-3	Dimethyl Phthalate	U	4	1.0	10	10	4
99-65-0	1,3-Dinitrobenzene	U	5	1.0	10	10	5
606-20-2	2,6-Dinitrotoluene	U	4	1.0	10	10	4
208-96-8	Acenaphthylene	U	3	1.0	10	10	3
99-09-2	3-Nitroaniline	U	4	1.0	25	25	4
83-32-9	Acenaphthene	U	3	1.0	10	10	3
51-28-5	2,4-Dinitrophenol	U	22	1.0	25	25	22
608-93-5	Pentachlorobenzene	U	3	1.0	10	10	3
132-64-9	Dibenzofuran	U	3	1.0	10	10	3
100-02-7	4-Nitrophenol	U	15	1.0	25	25	15
121-14-2	2,4-Dinitrotoluene	U	4	1.0	10	10	4
134-32-7	1-Naphthylamine	U	3	1.0	10	10	3
58-90-2	2,3,4,6-Tetrachlorophenol	U	6	1.0	10	10	6
91-59-8	2-Naphthylamine	U	4	1.0	10	10	4
84-66-2	Diethylphthalate	U	3	1.0	10	10	3
86-73-7	Fluorene	U	3	1.0	10	10	3
7005-72-3	4-Chlorophenyl-phenylether	U	3	1.0	10	10	3
99-55-8	5-Nitro-O-Toluidine	U	5	1.0	20	20	5
297-97-2	0,0-diethyl-o-2-pyrazinylphos	U	4	1.0	20	20	4
100-01-6	4-Nitroaniline	U	5	1.0	25	25	5
534-52-1	4,6-Dinitro-2-Methylphenol	U	10	1.0	25	25	10
86-30-6	N-Nitrosodiphenylamine/DPA	U	5	1.0	10	10	5
3689-24-5	Sulfotepp	U	3	1.0	10	10	3
2303-16-4	Diallate	U	4	1.0	20	20	4
99-35-4	1,3,5-Trinitrobenzene	U	5	1.0	10	10	5
101-55-3	4-Bromophenyl-phenylether	U	3	1.0	10	10	3
62-44-2	Phenacetin	U	6	1.0	10	10	6
118-74-1	Hexachlorobenzene	U	3	1.0	10	10	3
60-51-5	Dimethoate	U	7	1.0	10	10	7
87-86-5	Pentachlorophenol	U	16	1.0	25	25	16
82-68-8	Pentachloronitrobenzene	U	4	1.0	10	10	4
92-67-1	4-Aminobiphenyl	U	4	1.0	10	10	4
23950-58-5	Pronamide	U	5	1.0	10	10	5
85-01-8	Phenanthrene	U	3	1.0	10	10	3
88-85-7	Dinoseb	U	5	1.0	10	10	5
120-12-7	Anthracene	U	3	1.0	10	10	3
84-74-2	Di-n-butylphthalate	U	7	1.0	10	10	7

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date: 11/06/06
Received Date: 11/07/06
Extraction Date: 11/09/06
Analysis Date: 14-NOV-2006 11:35
Report Date: 11/20/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6011-1
Client ID: PT10-GW-MW01S-11060
SDG: CTO33-6
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG33955
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
56-57-5	4-Nitroquinoline-1-Oxide	U	9	1.0	25	25	9
56-38-2	Ethyl Parathion	U	14	1.0	10	10	14
91-80-5	Methapyrilene	U	8	1.0	10	10	8
465-73-6	Isodrin	U	4	1.0	20	20	4
206-44-0	Fluoranthene	U	8	1.0	10	10	8
129-00-0	Pyrene	U	6	1.0	10	10	6
140-57-8	Aramite	U	8	1.0	20	20	8
60-11-7	p-Dimethylaminoazobenzene	U	6	1.0	20	20	6
510-15-6	Chlorobenzilate	U	7	1.0	20	20	7
119-93-7	3,3'-Dimethylbenzidine	U	6	1.0	20	20	6
85-68-7	Butylbenzylphthalate	U	6	1.0	10	10	6
53-96-3	2-Acetylaminofluorene	U	4	1.0	10	10	4
56-55-3	Benzo(a)anthracene	U	2	1.0	10	10	2
91-94-1	3,3'-Dichlorobenzidine	U	3	1.0	10	10	3
218-01-9	Chrysene	U	3	1.0	10	10	3
117-81-7	bis(2-Ethylhexyl)phthalate	U	7	1.0	10	10	7
117-84-0	Di-n-octylphthalate	U	5	1.0	10	10	5
205-99-2	Benzo(b)fluoranthene	U	3	1.0	10	10	3
57-97-6	7,12-Dimethylbenz(A)Anthracen	U	4	1.0	10	10	4
207-08-9	Benzo(k)fluoranthene	U	4	1.0	10	10	4
70-30-4	Hexachlorophene	U	5	1.0	10	10	5
50-32-8	Benzo(a)pyrene	U	3	1.0	10	10	3
56-49-5	3-Methylcholanthrene	U	6	1.0	10	10	6
193-39-5	Indeno(1,2,3-cd)pyrene	U	7	1.0	10	10	7
53-70-3	Dibenzo(a,h)anthracene	U	7	1.0	10	10	7
191-24-2	Benzo(g,h,i)perylene	U	8	1.0	10	10	8
367-12-4	2-Fluorophenol		43%				
13127-88-3	Phenol-D6		25%				
4165-60-0	Nitrobenzene-D5		58%				
321-60-8	2-Fluorobiphenyl		64%				
118-79-6	2,4,6-Tribromophenol		63%				
1718-51-0	Terphenyl-D14		78%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date: 11/06/06
Received Date: 11/07/06
Extraction Date: 11/09/06
Analysis Date: 14-NOV-2006 12:19
Report Date: 11/20/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6011-2
Client ID: PT08-GW-MW22S-11060
SDG: CTO33-6
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG33955
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
62-75-9	N-Nitrosodimethylamine	U	4	1.0	10	10	4
110-86-1	Pyridine	U	2	1.0	50	50	2
109-06-8	2-Picoline	U	3	1.0	10	10	3
10595-95-6	N-Nitrosomethylethylamine	U	5	1.0	10	10	5
66-27-3	Methyl Methanesulfonate	U	7	1.0	20	20	7
55-18-5	N-Nitrosodiethylamine	U	3	1.0	20	20	3
62-50-0	Ethyl Methanesulfonate	U	7	1.0	10	10	7
62-53-3	Aniline	U	6	1.0	25	25	6
108-95-2	Phenol	U	8	1.0	10	10	8
111-44-4	Bis(2-Chloroethyl)ether	U	4	1.0	10	10	4
95-57-8	2-Chlorophenol	U	8	1.0	10	10	8
100-51-6	Benzyl alcohol	U	8	1.0	20	20	8
95-48-7	2-Methylphenol	U	8	1.0	10	10	8
108-60-1	Bis(2-Chloroisopropyl)ether	U	3	1.0	10	10	3
930-55-2	N-Nitrosopyrrolidine	U	5	1.0	10	10	5
98-86-2	Acetophenone	U	5	1.0	10	10	5
621-64-7	N-Nitroso-di-n-propylamine	U	4	1.0	10	10	4
95-53-4	o-Toluidine	U	10	1.0	10	10	10
106-44-5	3&4-Methylphenol	U	8	1.0	10	10	8
59-89-2	N-Nitrosomorpholine	U	4	1.0	10	10	4
67-72-1	Hexachloroethane	U	3	1.0	10	10	3
98-95-3	Nitrobenzene	U	2	1.0	10	10	2
100-75-4	N-Nitrosopiperidine	U	3	1.0	10	10	3
78-59-1	Isophorone	U	3	1.0	10	10	3
88-75-5	2-Nitrophenol	U	7	1.0	10	10	7
105-67-9	2,4-Dimethylphenol	U	7	1.0	10	10	7
126-68-1	O,O,O-Triethylphosphorothioat	U	3	1.0	20	20	3
111-91-1	Bis(2-Chloroethoxy)methane	U	3	1.0	10	10	3
120-83-2	2,4-Dichlorophenol	U	7	1.0	10	10	7
120-82-1	1,2,4-Trichlorobenzene	U	2	1.0	10	10	2
91-20-3	Naphthalene	U	2	1.0	10	10	2
122-09-8	A,A-Dimethylphenethylamine	U	15	1.0	25	25	15
87-65-0	2,6-Dichlorophenol	U	8	1.0	10	10	8
106-47-8	4-Chloroaniline	U	4	1.0	10	10	4
1888-71-7	Hexachloropropene	U	3	1.0	10	10	3
87-68-3	Hexachlorobutadiene	U	2	1.0	10	10	2
924-16-3	N-Nitroso-Di-N-Butylamine	U	8	1.0	10	10	8
106-50-3	p-Phenylenediamine	U	5	1.0	10	10	5
59-50-7	4-Chloro-3-Methylphenol	U	9	1.0	10	10	9
94-59-7	Safrole	U	3	1.0	10	10	3
120-58-1	Isosafrole	U	5	1.0	20	20	5
91-57-6	2-Methylnaphthalene	U	4	1.0	10	10	4
77-47-4	Hexachlorocyclopentadiene	U	2	1.0	10	10	2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date: 11/06/06
Received Date: 11/07/06
Extraction Date: 11/09/06
Analysis Date: 14-NOV-2006 12:19
Report Date: 11/20/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6011-2
Client ID: PT08-GW-MW22S-11060
SDG: CTO33-6
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG33955
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
95-94-3	1,2,4,5-Tetrachlorobenzene	U	4	1.0	10	10	4
88-06-2	2,4,6-Trichlorophenol	U	6	1.0	10	10	6
95-95-4	2,4,5-Trichlorophenol	U	6	1.0	25	25	6
91-58-7	2-Chloronaphthalene	U	2	1.0	10	10	2
88-74-4	2-Nitroaniline	U	3	1.0	25	25	3
130-15-4	1,4-Naphthoquinone	U	4	1.0	10	10	4
131-11-3	Dimethyl Phthalate	U	4	1.0	10	10	4
99-65-0	1,3-Dinitrobenzene	U	5	1.0	10	10	5
606-20-2	2,6-Dinitrotoluene	U	4	1.0	10	10	4
208-96-8	Acenaphthylene	U	3	1.0	10	10	3
99-09-2	3-Nitroaniline	U	4	1.0	25	25	4
83-32-9	Acenaphthene	U	3	1.0	10	10	3
51-28-5	2,4-Dinitrophenol	U	22	1.0	25	25	22
608-93-5	Pentachlorobenzene	U	3	1.0	10	10	3
132-64-9	Dibenzofuran	U	3	1.0	10	10	3
100-02-7	4-Nitrophenol	U	15	1.0	25	25	15
121-14-2	2,4-Dinitrotoluene	U	4	1.0	10	10	4
134-32-7	1-Naphthylamine	U	3	1.0	10	10	3
58-90-2	2,3,4,6-Tetrachlorophenol	U	6	1.0	10	10	6
91-59-8	2-Naphthylamine	U	4	1.0	10	10	4
84-66-2	Diethylphthalate	U	3	1.0	10	10	3
86-73-7	Fluorene	U	3	1.0	10	10	3
7005-72-3	4-Chlorophenyl-phenylether	U	3	1.0	10	10	3
99-55-8	5-Nitro-O-Toluidine	U	5	1.0	20	20	5
297-97-2	0,0-diethyl-o-2-pyrazinylphos	U	4	1.0	20	20	4
100-01-6	4-Nitroaniline	U	5	1.0	25	25	5
534-52-1	4,6-Dinitro-2-Methylphenol	U	10	1.0	25	25	10
86-30-6	N-Nitrosodiphenylamine/DPA	U	5	1.0	10	10	5
3689-24-5	Sulfotepp	U	3	1.0	10	10	3
2303-16-4	Diallate	U	4	1.0	20	20	4
99-35-4	1,3,5-Trinitrobenzene	U	5	1.0	10	10	5
101-55-3	4-Bromophenyl-phenylether	U	3	1.0	10	10	3
62-44-2	Phenacetin	U	6	1.0	10	10	6
118-74-1	Hexachlorobenzene	U	3	1.0	10	10	3
60-51-5	Dimethoate	U	7	1.0	10	10	7
87-86-5	Pentachlorophenol	U	16	1.0	25	25	16
82-68-8	Pentachloronitrobenzene	U	4	1.0	10	10	4
92-67-1	4-Aminobiphenyl	U	4	1.0	10	10	4
23950-58-5	Pronamide	U	5	1.0	10	10	5
85-01-8	Phenanthrene	U	3	1.0	10	10	3
88-85-7	Dinoseb	U	5	1.0	10	10	5
120-12-7	Anthracene	U	3	1.0	10	10	3
84-74-2	Di-n-butylphthalate	U	7	1.0	10	10	7

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date: 11/06/06
Received Date: 11/07/06
Extraction Date: 11/09/06
Analysis Date: 14-NOV-2006 12:19
Report Date: 11/20/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6011-2
Client ID: PT08-GW-MW22S-11060
SDG: CTO33-6
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG33955
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
56-57-5	4-Nitroquinoline-1-Oxide	U	9	1.0	25	25	9
56-38-2	Ethyl Parathion	U	14	1.0	10	10	14
91-80-5	Methapyrilene	U	8	1.0	10	10	8
465-73-6	Isodrin	U	4	1.0	20	20	4
206-44-0	Fluoranthene	U	8	1.0	10	10	8
129-00-0	Pyrene	U	6	1.0	10	10	6
140-57-8	Aramite	U	8	1.0	20	20	8
60-11-7	p-Dimethylaminoazobenzene	U	6	1.0	20	20	6
510-15-6	Chlorobenzilate	U	7	1.0	20	20	7
119-93-7	3,3'-Dimethylbenzidine	U	6	1.0	20	20	6
85-68-7	Butylbenzylphthalate	U	6	1.0	10	10	6
53-96-3	2-Acetylaminofluorene	U	4	1.0	10	10	4
56-55-3	Benzo(a)anthracene	U	2	1.0	10	10	2
91-94-1	3,3'-Dichlorobenzidine	U	3	1.0	10	10	3
218-01-9	Chrysene	U	3	1.0	10	10	3
117-81-7	bis(2-Ethylhexyl)phthalate	U	7	1.0	10	10	7
117-84-0	Di-n-octylphthalate	U	5	1.0	10	10	5
205-99-2	Benzo(b)fluoranthene	U	3	1.0	10	10	3
57-97-6	7,12-Dimethylbenz(A)Anthracen	U	4	1.0	10	10	4
207-08-9	Benzo(k)fluoranthene	U	4	1.0	10	10	4
70-30-4	Hexachlorophene	U	5	1.0	10	10	5
50-32-8	Benzo(a)pyrene	U	3	1.0	10	10	3
56-49-5	3-Methylcholanthrene	U	6	1.0	10	10	6
193-39-5	Indeno(1,2,3-cd)pyrene	U	7	1.0	10	10	7
53-70-3	Dibenzo(a,h)anthracene	U	7	1.0	10	10	7
191-24-2	Benzo(g,h,i)perylene	U	8	1.0	10	10	8
367-12-4	2-Fluorophenol		47%				
13127-88-3	Phenol-D6		34%				
4165-60-0	Nitrobenzene-D5		67%				
321-60-8	2-Fluorobiphenyl		71%				
118-79-6	2,4,6-Tribromophenol		65%				
1718-51-0	Terphenyl-D14		80%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date: 11/06/06
Received Date: 11/07/06
Extraction Date: 11/09/06
Analysis Date: 14-NOV-2006 15:39
Report Date: 11/20/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6011-3
Client ID: PT08-GW-MW21S-11060
SDG: CTO33-6
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG33955
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
62-75-9	N-Nitrosodimethylamine	U	4	1.0	10	10	4
110-86-1	Pyridine	U	2	1.0	50	50	2
109-06-8	2-Picoline	U	3	1.0	10	10	3
10595-95-6	N-Nitrosomethylethylamine	U	5	1.0	10	10	5
66-27-3	Methyl Methanesulfonate	U	7	1.0	20	20	7
55-18-5	N-Nitrosodiethylamine	U	3	1.0	20	20	3
62-50-0	Ethyl Methanesulfonate	U	7	1.0	10	10	7
62-53-3	Aniline	U	6	1.0	25	25	6
108-95-2	Phenol	U	8	1.0	10	10	8
111-44-4	Bis(2-Chloroethyl)ether	U	4	1.0	10	10	4
95-57-8	2-Chlorophenol	U	8	1.0	10	10	8
100-51-6	Benzyl alcohol	U	8	1.0	20	20	8
95-48-7	2-Methylphenol	U	8	1.0	10	10	8
108-60-1	Bis(2-Chloroisopropyl)ether	U	3	1.0	10	10	3
930-55-2	N-Nitrosopyrrolidine	U	5	1.0	10	10	5
98-86-2	Acetophenone	U	5	1.0	10	10	5
621-64-7	N-Nitroso-di-n-propylamine	U	4	1.0	10	10	4
95-53-4	o-Toluidine	U	10	1.0	10	10	10
106-44-5	3&4-Methylphenol	U	8	1.0	10	10	8
59-89-2	N-Nitrosomorpholine	U	4	1.0	10	10	4
67-72-1	Hexachloroethane	U	3	1.0	10	10	3
98-95-3	Nitrobenzene	U	2	1.0	10	10	2
100-75-4	N-Nitrosopiperidine	U	3	1.0	10	10	3
78-59-1	Isophorone	U	3	1.0	10	10	3
88-75-5	2-Nitrophenol	U	7	1.0	10	10	7
105-67-9	2,4-Dimethylphenol	U	7	1.0	10	10	7
126-68-1	O,O,O-Triethylphosphorothioat	U	3	1.0	20	20	3
111-91-1	Bis(2-Chloroethoxy)methane	U	3	1.0	10	10	3
120-83-2	2,4-Dichlorophenol	U	7	1.0	10	10	7
120-82-1	1,2,4-Trichlorobenzene	U	2	1.0	10	10	2
91-20-3	Naphthalene	U	2	1.0	10	10	2
122-09-8	A,A-Dimethylphenethylamine	U	15	1.0	25	25	15
87-65-0	2,6-Dichlorophenol	U	8	1.0	10	10	8
106-47-8	4-Chloroaniline	U	4	1.0	10	10	4
1888-71-7	Hexachloropropene	U	3	1.0	10	10	3
87-68-3	Hexachlorobutadiene	U	2	1.0	10	10	2
924-16-3	N-Nitroso-Di-N-Butylamine	U	8	1.0	10	10	8
106-50-3	p-Phenylenediamine	U	5	1.0	10	10	5
59-50-7	4-Chloro-3-Methylphenol	U	9	1.0	10	10	9
94-59-7	Safrole	U	3	1.0	10	10	3
120-58-1	Isosafrole	U	5	1.0	20	20	5
91-57-6	2-Methylnaphthalene	U	4	1.0	10	10	4
77-47-4	Hexachlorocyclopentadiene	U	2	1.0	10	10	2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date: 11/06/06
Received Date: 11/07/06
Extraction Date: 11/09/06
Analysis Date: 14-NOV-2006 15:39
Report Date: 11/20/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6011-3
Client ID: PT08-GW-MW21S-11060
SDG: CT033-6
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG33955
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
95-94-3	1,2,4,5-Tetrachlorobenzene	U	4	1.0	10	10	4
88-06-2	2,4,6-Trichlorophenol	U	6	1.0	10	10	6
95-95-4	2,4,5-Trichlorophenol	U	6	1.0	25	25	6
91-58-7	2-Chloronaphthalene	U	2	1.0	10	10	2
88-74-4	2-Nitroaniline	U	3	1.0	25	25	3
130-15-4	1,4-Naphthoquinone	U	4	1.0	10	10	4
131-11-3	Dimethyl Phthalate	U	4	1.0	10	10	4
99-65-0	1,3-Dinitrobenzene	U	5	1.0	10	10	5
606-20-2	2,6-Dinitrotoluene	U	4	1.0	10	10	4
208-96-8	Acenaphthylene	U	3	1.0	10	10	3
99-09-2	3-Nitroaniline	U	4	1.0	25	25	4
83-32-9	Acenaphthene	U	3	1.0	10	10	3
51-28-5	2,4-Dinitrophenol	U	22	1.0	25	25	22
608-93-5	Pentachlorobenzene	U	3	1.0	10	10	3
132-64-9	Dibenzofuran	U	3	1.0	10	10	3
100-02-7	4-Nitrophenol	U	15	1.0	25	25	15
121-14-2	2,4-Dinitrotoluene	U	4	1.0	10	10	4
134-32-7	1-Naphthylamine	U	3	1.0	10	10	3
58-90-2	2,3,4,6-Tetrachlorophenol	U	6	1.0	10	10	6
91-59-8	2-Naphthylamine	U	4	1.0	10	10	4
84-66-2	Diethylphthalate	U	3	1.0	10	10	3
86-73-7	Fluorene	U	3	1.0	10	10	3
7005-72-3	4-Chlorophenyl-phenylether	U	3	1.0	10	10	3
99-55-8	5-Nitro-O-Toluidine	U	5	1.0	20	20	5
297-97-2	0,0-diethyl-o-2-pyrazinylphos	U	4	1.0	20	20	4
100-01-6	4-Nitroaniline	U	5	1.0	25	25	5
534-52-1	4,6-Dinitro-2-Methylphenol	U	10	1.0	25	25	10
86-30-6	N-Nitrosodiphenylamine/DPA	U	5	1.0	10	10	5
3689-24-5	Sulfotepp	U	3	1.0	10	10	3
2303-16-4	Diallate	U	4	1.0	20	20	4
99-35-4	1,3,5-Trinitrobenzene	U	5	1.0	10	10	5
101-55-3	4-Bromophenyl-phenylether	U	3	1.0	10	10	3
62-44-2	Phenacetin	U	6	1.0	10	10	6
118-74-1	Hexachlorobenzene	U	3	1.0	10	10	3
60-51-5	Dimethoate	U	7	1.0	10	10	7
87-86-5	Pentachlorophenol	U	16	1.0	25	25	16
82-68-8	Pentachloronitrobenzene	U	4	1.0	10	10	4
92-67-1	4-Aminobiphenyl	U	4	1.0	10	10	4
23950-58-5	Pronamide	U	5	1.0	10	10	5
85-01-8	Phenanthrene	U	3	1.0	10	10	3
88-85-7	Dinoseb	U	5	1.0	10	10	5
120-12-7	Anthracene	U	3	1.0	10	10	3
84-74-2	Di-n-butylphthalate	U	7	1.0	10	10	7

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date: 11/06/06
Received Date: 11/07/06
Extraction Date: 11/09/06
Analysis Date: 14-NOV-2006 15:39
Report Date: 11/20/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6011-3
Client ID: PT08-GW-MW21S-11060
SDG: CTO33-6
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG33955
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
56-57-5	4-Nitroquinoline-1-Oxide	U	9	1.0	25	25	9
56-38-2	Ethyl Parathion	U	14	1.0	10	10	14
91-80-5	Methapyrilene	U	8	1.0	10	10	8
465-73-6	Isodrin	U	4	1.0	20	20	4
206-44-0	Fluoranthene	U	8	1.0	10	10	8
129-00-0	Pyrene	U	6	1.0	10	10	6
140-57-8	Aramite	U	8	1.0	20	20	8
60-11-7	p-Dimethylaminoazobenzene	U	6	1.0	20	20	6
510-15-6	Chlorobenzilate	U	7	1.0	20	20	7
119-93-7	3,3'-Dimethylbenzidine	U	6	1.0	20	20	6
85-68-7	Butylbenzylphthalate	U	6	1.0	10	10	6
53-96-3	2-Acetylaminofluorene	U	4	1.0	10	10	4
56-55-3	Benzo(a)anthracene	U	2	1.0	10	10	2
91-94-1	3,3'-Dichlorobenzidine	U	3	1.0	10	10	3
218-01-9	Chrysene	U	3	1.0	10	10	3
117-81-7	bis(2-Ethylhexyl)phthalate	U	7	1.0	10	10	7
117-84-0	Di-n-octylphthalate	U	5	1.0	10	10	5
205-99-2	Benzo(b)fluoranthene	U	3	1.0	10	10	3
57-97-6	7,12-Dimethylbenz(A)Anthracen	U	4	1.0	10	10	4
207-08-9	Benzo(k)fluoranthene	U	4	1.0	10	10	4
70-30-4	Hexachlorophene	U	5	1.0	10	10	5
50-32-8	Benzo(a)pyrene	U	3	1.0	10	10	3
56-49-5	3-Methylcholanthrene	U	6	1.0	10	10	6
193-39-5	Indeno(1,2,3-cd)pyrene	U	7	1.0	10	10	7
53-70-3	Dibenzo(a,h)anthracene	U	7	1.0	10	10	7
191-24-2	Benzo(g,h,i)perylene	U	8	1.0	10	10	8
367-12-4	2-Fluorophenol		36%				
13127-88-3	Phenol-D6		26%				
4165-60-0	Nitrobenzene-D5		54%				
321-60-8	2-Fluorobiphenyl		J 55%				
118-79-6	2,4,6-Tribromophenol		51%				
1718-51-0	Terphenyl-D14		73%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date: 11/06/06
Received Date: 11/07/06
Extraction Date: 11/09/06
Analysis Date: 14-NOV-2006 16:22
Report Date: 11/20/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6011-4
Client ID: PT09-GW-MW06S-11060
SDG: CTO33-6
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG33955
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
62-75-9	N-Nitrosodimethylamine	U	4	1.0	10	10	4
110-86-1	Pyridine	U	2	1.0	50	50	2
109-06-8	2-Picoline	U	3	1.0	10	10	3
10595-95-6	N-Nitrosomethylethylamine	U	5	1.0	10	10	5
66-27-3	Methyl Methanesulfonate	U	7	1.0	20	20	7
55-18-5	N-Nitrosodiethylamine	U	3	1.0	20	20	3
62-50-0	Ethyl Methanesulfonate	U	7	1.0	10	10	7
62-53-3	Aniline	U	6	1.0	25	25	6
108-95-2	Phenol	U	8	1.0	10	10	8
111-44-4	Bis(2-Chloroethyl)ether	U	4	1.0	10	10	4
95-57-8	2-Chlorophenol	U	8	1.0	10	10	8
100-51-6	Benzyl alcohol	U	8	1.0	20	20	8
95-48-7	2-Methylphenol	U	8	1.0	10	10	8
108-60-1	Bis(2-Chloroisopropyl)ether	U	3	1.0	10	10	3
930-55-2	N-Nitrosopyrrolidine	U	5	1.0	10	10	5
98-86-2	Acetophenone	U	5	1.0	10	10	5
621-64-7	N-Nitroso-di-n-propylamine	U	4	1.0	10	10	4
95-53-4	o-Toluidine	U	10	1.0	10	10	10
106-44-5	3&4-Methylphenol	U	8	1.0	10	10	8
59-89-2	N-Nitrosomorpholine	U	4	1.0	10	10	4
67-72-1	Hexachloroethane	U	3	1.0	10	10	3
98-95-3	Nitrobenzene	U	2	1.0	10	10	2
100-75-4	N-Nitrosopiperidine	U	3	1.0	10	10	3
78-59-1	Isophorone	U	3	1.0	10	10	3
88-75-5	2-Nitrophenol	U	7	1.0	10	10	7
105-67-9	2,4-Dimethylphenol	U	7	1.0	10	10	7
126-68-1	O,O,O-Triethylphosphorothioat	U	3	1.0	20	20	3
111-91-1	Bis(2-Chloroethoxy)methane	U	3	1.0	10	10	3
120-83-2	2,4-Dichlorophenol	U	7	1.0	10	10	7
120-82-1	1,2,4-Trichlorobenzene	U	2	1.0	10	10	2
91-20-3	Naphthalene	U	2	1.0	10	10	2
122-09-8	A,A-Dimethylphenethylamine	U	15	1.0	25	25	15
87-65-0	2,6-Dichlorophenol	U	8	1.0	10	10	8
106-47-8	4-Chloroaniline	U	4	1.0	10	10	4
1888-71-7	Hexachloropropene	U	3	1.0	10	10	3
87-68-3	Hexachlorobutadiene	U	2	1.0	10	10	2
924-16-3	N-Nitroso-Di-N-Butylamine	U	8	1.0	10	10	8
106-50-3	p-Phenylenediamine	U	5	1.0	10	10	5
59-50-7	4-Chloro-3-Methylphenol	U	9	1.0	10	10	9
94-59-7	Safrole	U	3	1.0	10	10	3
120-58-1	Isosafrole	U	5	1.0	20	20	5
91-57-6	2-Methylnaphthalene	U	4	1.0	10	10	4
77-47-4	Hexachlorocyclopentadiene	U	2	1.0	10	10	2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date: 11/06/06
Received Date: 11/07/06
Extraction Date: 11/09/06
Analysis Date: 14-NOV-2006 16:22
Report Date: 11/20/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6011-4
Client ID: PT09-GW-MW06S-11060
SDG: CTO33-6
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG33955
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
95-94-3	1,2,4,5-Tetrachlorobenzene	U	4	1.0	10	10	4
88-06-2	2,4,6-Trichlorophenol	U	6	1.0	10	10	6
95-95-4	2,4,5-Trichlorophenol	U	6	1.0	25	25	6
91-58-7	2-Chloronaphthalene	U	2	1.0	10	10	2
88-74-4	2-Nitroaniline	U	3	1.0	25	25	3
130-15-4	1,4-Naphthoquinone	U	4	1.0	10	10	4
131-11-3	Dimethyl Phthalate	U	4	1.0	10	10	4
99-65-0	1,3-Dinitrobenzene	U	5	1.0	10	10	5
606-20-2	2,6-Dinitrotoluene	U	4	1.0	10	10	4
208-96-8	Acenaphthylene	U	3	1.0	10	10	3
99-09-2	3-Nitroaniline	U	4	1.0	25	25	4
83-32-9	Acenaphthene	U	3	1.0	10	10	3
51-28-5	2,4-Dinitrophenol	U	22	1.0	25	25	22
608-93-5	Pentachlorobenzene	U	3	1.0	10	10	3
132-64-9	Dibenzofuran	U	3	1.0	10	10	3
100-02-7	4-Nitrophenol	U	15	1.0	25	25	15
121-14-2	2,4-Dinitrotoluene	U	4	1.0	10	10	4
134-32-7	1-Naphthylamine	U	3	1.0	10	10	3
58-90-2	2,3,4,6-Tetrachlorophenol	U	6	1.0	10	10	6
91-59-8	2-Naphthylamine	U	4	1.0	10	10	4
84-66-2	Diethylphthalate	U	3	1.0	10	10	3
86-73-7	Fluorene	U	3	1.0	10	10	3
7005-72-3	4-Chlorophenyl-phenylether	U	3	1.0	10	10	3
99-55-8	5-Nitro-O-Toluidine	U	5	1.0	20	20	5
297-97-2	0,0-diethyl-o-2-pyrazinylphos	U	4	1.0	20	20	4
100-01-6	4-Nitroaniline	U	5	1.0	25	25	5
534-52-1	4,6-Dinitro-2-Methylphenol	U	10	1.0	25	25	10
86-30-6	N-Nitrosodiphenylamine/DPA	U	5	1.0	10	10	5
3689-24-5	Sulfotepp	U	3	1.0	10	10	3
2303-16-4	Diallate	U	4	1.0	20	20	4
99-35-4	1,3,5-Trinitrobenzene	U	5	1.0	10	10	5
101-55-3	4-Bromophenyl-phenylether	U	3	1.0	10	10	3
62-44-2	Phenacetin	U	6	1.0	10	10	6
118-74-1	Hexachlorobenzene	U	3	1.0	10	10	3
60-51-5	Dimethoate	U	7	1.0	10	10	7
87-86-5	Pentachlorophenol	U	16	1.0	25	25	16
82-68-8	Pentachloronitrobenzene	U	4	1.0	10	10	4
92-67-1	4-Aminobiphenyl	U	4	1.0	10	10	4
23950-58-5	Pronamide	U	5	1.0	10	10	5
85-01-8	Phenanthrene	U	3	1.0	10	10	3
88-85-7	Dinoseb	U	5	1.0	10	10	5
120-12-7	Anthracene	U	3	1.0	10	10	3
84-74-2	Di-n-butylphthalate	U	7	1.0	10	10	7

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date: 11/06/06
Received Date: 11/07/06
Extraction Date: 11/09/06
Analysis Date: 14-NOV-2006 16:22
Report Date: 11/20/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6011-4
Client ID: PT09-GW-MW06S-11060
SDG: CTO33-6
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG33955
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
56-57-5	4-Nitroquinoline-1-Oxide	U	9	1.0	25	25	9
56-38-2	Ethyl Parathion	U	14	1.0	10	10	14
91-80-5	Methapyrilene	U	8	1.0	10	10	8
465-73-6	Isodrin	U	4	1.0	20	20	4
206-44-0	Fluoranthene	U	8	1.0	10	10	8
129-00-0	Pyrene	U	6	1.0	10	10	6
140-57-8	Aramite	U	8	1.0	20	20	8
60-11-7	p-Dimethylaminoazobenzene	U	6	1.0	20	20	6
510-15-6	Chlorobenzilate	U	7	1.0	20	20	7
119-93-7	3,3'-Dimethylbenzidine	U	6	1.0	20	20	6
85-68-7	Butylbenzylphthalate	U	6	1.0	10	10	6
53-96-3	2-Acetylaminofluorene	U	4	1.0	10	10	4
56-55-3	Benzo(a)anthracene	U	2	1.0	10	10	2
91-94-1	3,3'-Dichlorobenzidine	U	3	1.0	10	10	3
218-01-9	Chrysene	U	3	1.0	10	10	3
117-81-7	bis(2-Ethylhexyl)phthalate	U	7	1.0	10	10	7
117-84-0	Di-n-octylphthalate	U	5	1.0	10	10	5
205-99-2	Benzo(b)fluoranthene	U	3	1.0	10	10	3
57-97-6	7,12-Dimethylbenz(A)Anthracen	U	4	1.0	10	10	4
207-08-9	Benzo(k)fluoranthene	U	4	1.0	10	10	4
70-30-4	Hexachlorophene	U	5	1.0	10	10	5
50-32-8	Benzo(a)pyrene	U	3	1.0	10	10	3
56-49-5	3-Methylcholanthrene	U	6	1.0	10	10	6
193-39-5	Indeno(1,2,3-cd)pyrene	U	7	1.0	10	10	7
53-70-3	Dibenzo(a,h)anthracene	U	7	1.0	10	10	7
191-24-2	Benzo(g,h,i)perylene	U	8	1.0	10	10	8
367-12-4	2-Fluorophenol		48%				
13127-88-3	Phenol-D6		35%				
4165-60-0	Nitrobenzene-D5		70%				
321-60-8	2-Fluorobiphenyl		70%				
118-79-6	2,4,6-Tribromophenol		68%				
1718-51-0	Terphenyl-D14		88%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date: 11/07/06
Received Date: 11/08/06
Extraction Date: 11/09/06
Analysis Date: 14-NOV-2006 17:06
Report Date: 11/20/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6039-1
Client ID: PT09-GW-MW06S-11070
SDG: CTO33-6
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG33955
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
62-75-9	N-Nitrosodimethylamine	U	4	1.0	10	10	4
110-86-1	Pyridine	U	2	1.0	50	50	2
109-06-8	2-Picoline	U	3	1.0	10	10	3
10595-95-6	N-Nitrosomethylethylamine	U	5	1.0	10	10	5
66-27-3	Methyl Methanesulfonate	U	7	1.0	20	20	7
55-18-5	N-Nitrosodiethylamine	U	3	1.0	20	20	3
62-50-0	Ethyl Methanesulfonate	U	7	1.0	10	10	7
62-53-3	Aniline	U	6	1.0	25	25	6
108-95-2	Phenol	U	8	1.0	10	10	8
111-44-4	Bis(2-Chloroethyl)ether	U	4	1.0	10	10	4
95-57-8	2-Chlorophenol	U	8	1.0	10	10	8
100-51-6	Benzyl alcohol	U	8	1.0	20	20	8
95-48-7	2-Methylphenol	U	8	1.0	10	10	8
108-60-1	Bis(2-Chloroisopropyl)ether	U	3	1.0	10	10	3
930-55-2	N-Nitrosopyrrolidine	U	5	1.0	10	10	5
98-86-2	Acetophenone	U	5	1.0	10	10	5
621-64-7	N-Nitroso-di-n-propylamine	U	4	1.0	10	10	4
95-53-4	o-Toluidine	U	10	1.0	10	10	10
106-44-5	3&4-Methylphenol	U	8	1.0	10	10	8
59-89-2	N-Nitrosomorpholine	U	4	1.0	10	10	4
67-72-1	Hexachloroethane	U	3	1.0	10	10	3
98-95-3	Nitrobenzene	U	2	1.0	10	10	2
100-75-4	N-Nitrosopiperidine	U	3	1.0	10	10	3
78-59-1	Isophorone	U	3	1.0	10	10	3
88-75-5	2-Nitrophenol	U	7	1.0	10	10	7
105-67-9	2,4-Dimethylphenol	U	7	1.0	10	10	7
126-68-1	O,O,O-Triethylphosphorothioat	U	3	1.0	20	20	3
111-91-1	Bis(2-Chloroethoxy)methane	U	3	1.0	10	10	3
120-83-2	2,4-Dichlorophenol	U	7	1.0	10	10	7
120-82-1	1,2,4-Trichlorobenzene	U	2	1.0	10	10	2
91-20-3	Naphthalene	U	2	1.0	10	10	2
122-09-8	A,A-Dimethylphenethylamine	U	15	1.0	25	25	15
87-65-0	2,6-Dichlorophenol	U	8	1.0	10	10	8
106-47-8	4-Chloroaniline	U	4	1.0	10	10	4
1888-71-7	Hexachloropropene	U	3	1.0	10	10	3
87-68-3	Hexachlorobutadiene	U	2	1.0	10	10	2
924-16-3	N-Nitroso-Di-N-Butylamine	U	8	1.0	10	10	8
106-50-3	p-Phenylenediamine	U	5	1.0	10	10	5
59-50-7	4-Chloro-3-Methylphenol	U	9	1.0	10	10	9
94-59-7	Safrole	U	3	1.0	10	10	3
120-58-1	Isosafrole	U	5	1.0	20	20	5
91-57-6	2-Methylnaphthalene	U	4	1.0	10	10	4
77-47-4	Hexachlorocyclopentadiene	U	2	1.0	10	10	2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date: 11/07/06
Received Date: 11/08/06
Extraction Date: 11/09/06
Analysis Date: 14-NOV-2006 17:06
Report Date: 11/20/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6039-1
Client ID: PT09-GW-MW06S-11070
SDG: CTO33-6
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG33955
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
95-94-3	1,2,4,5-Tetrachlorobenzene	U	4	1.0	10	10	4
88-06-2	2,4,6-Trichlorophenol	U	6	1.0	10	10	6
95-95-4	2,4,5-Trichlorophenol	U	6	1.0	25	25	6
91-58-7	2-Chloronaphthalene	U	2	1.0	10	10	2
88-74-4	2-Nitroaniline	U	3	1.0	25	25	3
130-15-4	1,4-Naphthoquinone	U	4	1.0	10	10	4
131-11-3	Dimethyl Phthalate	U	4	1.0	10	10	4
99-65-0	1,3-Dinitrobenzene	U	5	1.0	10	10	5
606-20-2	2,6-Dinitrotoluene	U	4	1.0	10	10	4
208-96-8	Acenaphthylene	U	3	1.0	10	10	3
99-09-2	3-Nitroaniline	U	4	1.0	25	25	4
83-32-9	Acenaphthene	U	3	1.0	10	10	3
51-28-5	2,4-Dinitrophenol	U	22	1.0	25	25	22
608-93-5	Pentachlorobenzene	U	3	1.0	10	10	3
132-64-9	Dibenzofuran	U	3	1.0	10	10	3
100-02-7	4-Nitrophenol	U	15	1.0	25	25	15
121-14-2	2,4-Dinitrotoluene	U	4	1.0	10	10	4
134-32-7	1-Naphthylamine	U	3	1.0	10	10	3
58-90-2	2,3,4,6-Tetrachlorophenol	U	6	1.0	10	10	6
91-59-8	2-Naphthylamine	U	4	1.0	10	10	4
84-66-2	Diethylphthalate	U	3	1.0	10	10	3
86-73-7	Fluorene	U	3	1.0	10	10	3
7005-72-3	4-Chlorophenyl-phenylether	U	3	1.0	10	10	3
99-55-8	5-Nitro-O-Toluidine	U	5	1.0	20	20	5
297-97-2	0,0-diethyl-o-2-pyrazinylphos	U	4	1.0	20	20	4
100-01-6	4-Nitroaniline	U	5	1.0	25	25	5
534-52-1	4,6-Dinitro-2-Methylphenol	U	10	1.0	25	25	10
86-30-6	N-Nitrosodiphenylamine/DPA	U	5	1.0	10	10	5
3689-24-5	Sulfotepp	U	3	1.0	10	10	3
2303-16-4	Diallate	U	4	1.0	20	20	4
99-35-4	1,3,5-Trinitrobenzene	U	5	1.0	10	10	5
101-55-3	4-Bromophenyl-phenylether	U	3	1.0	10	10	3
62-44-2	Phenacetin	U	6	1.0	10	10	6
118-74-1	Hexachlorobenzene	U	3	1.0	10	10	3
60-51-5	Dimethoate	U	7	1.0	10	10	7
87-86-5	Pentachlorophenol	U	16	1.0	25	25	16
82-68-8	Pentachloronitrobenzene	U	4	1.0	10	10	4
92-67-1	4-Aminobiphenyl	U	4	1.0	10	10	4
23950-58-5	Pronamide	U	5	1.0	10	10	5
85-01-8	Phenanthrene	U	3	1.0	10	10	3
88-85-7	Dinoseb	U	5	1.0	10	10	5
120-12-7	Anthracene	U	3	1.0	10	10	3
84-74-2	Di-n-butylphthalate	U	7	1.0	10	10	7

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date: 11/07/06
Received Date: 11/08/06
Extraction Date: 11/09/06
Analysis Date: 14-NOV-2006 17:06
Report Date: 11/20/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6039-1
Client ID: PT09-GW-MW06S-11070
SDG: CTO33-6
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG33955
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
56-57-5	4-Nitroquinoline-1-Oxide	U	9	1.0	25	25	9
56-38-2	Ethyl Parathion	U	14	1.0	10	10	14
91-80-5	Methapyrilene	U	8	1.0	10	10	8
465-73-6	Isodrin	U	4	1.0	20	20	4
206-44-0	Fluoranthene	U	8	1.0	10	10	8
129-00-0	Pyrene	U	6	1.0	10	10	6
140-57-8	Aramite	U	8	1.0	20	20	8
60-11-7	p-Dimethylaminoazobenzene	U	6	1.0	20	20	6
510-15-6	Chlorobenzilate	U	7	1.0	20	20	7
119-93-7	3,3'-Dimethylbenzidine	U	6	1.0	20	20	6
85-68-7	Butylbenzylphthalate	U	6	1.0	10	10	6
53-96-3	2-Acetylaminofluorene	U	4	1.0	10	10	4
56-55-3	Benzo(a)anthracene	U	2	1.0	10	10	2
91-94-1	3,3'-Dichlorobenzidine	U	3	1.0	10	10	3
218-01-9	Chrysene	U	3	1.0	10	10	3
117-81-7	bis(2-Ethylhexyl)phthalate	U	7	1.0	10	10	7
117-84-0	Di-n-octylphthalate	U	5	1.0	10	10	5
205-99-2	Benzo(b)fluoranthene	U	3	1.0	10	10	3
57-97-6	7,12-Dimethylbenz(A)Anthracen	U	4	1.0	10	10	4
207-08-9	Benzo(k)fluoranthene	U	4	1.0	10	10	4
70-30-4	Hexachlorophene	U	5	1.0	10	10	5
50-32-8	Benzo(a)pyrene	U	3	1.0	10	10	3
56-49-5	3-Methylcholanthrene	U	6	1.0	10	10	6
193-39-5	Indeno(1,2,3-cd)pyrene	U	7	1.0	10	10	7
53-70-3	Dibenzo(a,h)anthracene	U	7	1.0	10	10	7
191-24-2	Benzo(g,h,i)perylene	U	8	1.0	10	10	8
367-12-4	2-Fluorophenol		36%				
13127-88-3	Phenol-D6		26%				
4165-60-0	Nitrobenzene-D5		63%				
321-60-8	2-Fluorobiphenyl		65%				
118-79-6	2,4,6-Tribromophenol		60%				
1718-51-0	Terphenyl-D14		82%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date: 11/07/06
Received Date: 11/08/06
Extraction Date: 11/09/06
Analysis Date: 14-NOV-2006 17:49
Report Date: 11/20/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6039-2
Client ID: PT09-GW-MW04S-11070
SDG: CTO33-6
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG33955
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
62-75-9	N-Nitrosodimethylamine	U	4	1.0	10	10	4
110-86-1	Pyridine	U	2	1.0	50	50	2
109-06-8	2-Picoline	U	3	1.0	10	10	3
10595-95-6	N-Nitrosomethylethylamine	U	5	1.0	10	10	5
66-27-3	Methyl Methanesulfonate	U	7	1.0	20	20	7
55-18-5	N-Nitrosodiethylamine	U	3	1.0	20	20	3
62-50-0	Ethyl Methanesulfonate	U	7	1.0	10	10	7
62-53-3	Aniline	U	6	1.0	25	25	6
108-95-2	Phenol	U	8	1.0	10	10	8
111-44-4	Bis(2-Chloroethyl)ether	U	4	1.0	10	10	4
95-57-8	2-Chlorophenol	U	8	1.0	10	10	8
100-51-6	Benzyl alcohol	U	8	1.0	20	20	8
95-48-7	2-Methylphenol	U	8	1.0	10	10	8
108-60-1	Bis(2-Chloroisopropyl)ether	U	3	1.0	10	10	3
930-55-2	N-Nitrosopyrrolidine	U	5	1.0	10	10	5
98-86-2	Acetophenone	U	5	1.0	10	10	5
621-64-7	N-Nitroso-di-n-propylamine	U	4	1.0	10	10	4
95-53-4	o-Toluidine	U	10	1.0	10	10	10
106-44-5	3&4-Methylphenol	U	8	1.0	10	10	8
59-89-2	N-Nitrosomorpholine	U	4	1.0	10	10	4
67-72-1	Hexachloroethane	U	3	1.0	10	10	3
98-95-3	Nitrobenzene	U	2	1.0	10	10	2
100-75-4	N-Nitrosopiperidine	U	3	1.0	10	10	3
78-59-1	Isophorone	U	3	1.0	10	10	3
88-75-5	2-Nitrophenol	U	7	1.0	10	10	7
105-67-9	2,4-Dimethylphenol	U	7	1.0	10	10	7
126-68-1	O,O,O-Triethylphosphorothioat	U	3	1.0	20	20	3
111-91-1	Bis(2-Chloroethoxy)methane	U	3	1.0	10	10	3
120-83-2	2,4-Dichlorophenol	U	7	1.0	10	10	7
120-82-1	1,2,4-Trichlorobenzene	U	2	1.0	10	10	2
91-20-3	Naphthalene	U	2	1.0	10	10	2
122-09-8	A,A-Dimethylphenethylamine	U	15	1.0	25	25	15
87-65-0	2,6-Dichlorophenol	U	8	1.0	10	10	8
106-47-8	4-Chloroaniline	U	4	1.0	10	10	4
1888-71-7	Hexachloropropene	U	3	1.0	10	10	3
87-68-3	Hexachlorobutadiene	U	2	1.0	10	10	2
924-16-3	N-Nitroso-Di-N-Butylamine	U	8	1.0	10	10	8
106-50-3	p-Phenylenediamine	U	5	1.0	10	10	5
59-50-7	4-Chloro-3-Methylphenol	U	9	1.0	10	10	9
94-59-7	Safrole	U	3	1.0	10	10	3
120-58-1	Isosafrole	U	5	1.0	20	20	5
91-57-6	2-Methylnaphthalene	U	4	1.0	10	10	4
77-47-4	Hexachlorocyclopentadiene	U	2	1.0	10	10	2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date: 11/07/06
Received Date: 11/08/06
Extraction Date: 11/09/06
Analysis Date: 14-NOV-2006 17:49
Report Date: 11/20/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6039-2
Client ID: PT09-GW-MW04S-11070
SDG: CTO33-6
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG33955
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
95-94-3	1,2,4,5-Tetrachlorobenzene	U	4	1.0	10	10	4
88-06-2	2,4,6-Trichlorophenol	U	6	1.0	10	10	6
95-95-4	2,4,5-Trichlorophenol	U	6	1.0	25	25	6
91-58-7	2-Chloronaphthalene	U	2	1.0	10	10	2
88-74-4	2-Nitroaniline	U	3	1.0	25	25	3
130-15-4	1,4-Naphthoquinone	U	4	1.0	10	10	4
131-11-3	Dimethyl Phthalate	U	4	1.0	10	10	4
99-65-0	1,3-Dinitrobenzene	U	5	1.0	10	10	5
606-20-2	2,6-Dinitrotoluene	U	4	1.0	10	10	4
208-96-8	Acenaphthylene	U	3	1.0	10	10	3
99-09-2	3-Nitroaniline	U	4	1.0	25	25	4
83-32-9	Acenaphthene	U	3	1.0	10	10	3
51-28-5	2,4-Dinitrophenol	U	22	1.0	25	25	22
608-93-5	Pentachlorobenzene	U	3	1.0	10	10	3
132-64-9	Dibenzofuran	U	3	1.0	10	10	3
100-02-7	4-Nitrophenol	U	15	1.0	25	25	15
121-14-2	2,4-Dinitrotoluene	U	4	1.0	10	10	4
134-32-7	1-Naphthylamine	U	3	1.0	10	10	3
58-90-2	2,3,4,6-Tetrachlorophenol	U	6	1.0	10	10	6
91-59-8	2-Naphthylamine	U	4	1.0	10	10	4
84-66-2	Diethylphthalate	U	3	1.0	10	10	3
86-73-7	Fluorene	U	3	1.0	10	10	3
7005-72-3	4-Chlorophenyl-phenylether	U	3	1.0	10	10	3
99-55-8	5-Nitro-O-Toluidine	U	5	1.0	20	20	5
297-97-2	0,0-diethyl-o-2-pyrazinylphos	U	4	1.0	20	20	4
100-01-6	4-Nitroaniline	U	5	1.0	25	25	5
534-52-1	4,6-Dinitro-2-Methylphenol	U	10	1.0	25	25	10
86-30-6	N-Nitrosodiphenylamine/DPA	U	5	1.0	10	10	5
3689-24-5	Sulfotepp	U	3	1.0	10	10	3
2303-16-4	Diallate	U	4	1.0	20	20	4
99-35-4	1,3,5-Trinitrobenzene	U	5	1.0	10	10	5
101-55-3	4-Bromophenyl-phenylether	U	3	1.0	10	10	3
62-44-2	Phenacetin	U	6	1.0	10	10	6
118-74-1	Hexachlorobenzene	U	3	1.0	10	10	3
60-51-5	Dimethoate	U	7	1.0	10	10	7
87-86-5	Pentachlorophenol	U	16	1.0	25	25	16
82-68-8	Pentachloronitrobenzene	U	4	1.0	10	10	4
92-67-1	4-Aminobiphenyl	U	4	1.0	10	10	4
23950-58-5	Pronamide	U	5	1.0	10	10	5
85-01-8	Phenanthrene	U	3	1.0	10	10	3
88-85-7	Dinoseb	U	5	1.0	10	10	5
120-12-7	Anthracene	U	3	1.0	10	10	3
84-74-2	Di-n-butylphthalate	U	7	1.0	10	10	7

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date: 11/07/06
Received Date: 11/08/06
Extraction Date: 11/09/06
Analysis Date: 14-NOV-2006 17:49
Report Date: 11/20/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6039-2
Client ID: PT09-GW-MW04S-11070
SDG: CTO33-6
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG33955
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
56-57-5	4-Nitroquinoline-1-Oxide	U	9	1.0	25	25	9
56-38-2	Ethyl Parathion	U	14	1.0	10	10	14
91-80-5	Methapyrilene	U	8	1.0	10	10	8
465-73-6	Isodrin	U	4	1.0	20	20	4
206-44-0	Fluoranthene	U	8	1.0	10	10	8
129-00-0	Pyrene	U	6	1.0	10	10	6
140-57-8	Aramite	U	8	1.0	20	20	8
60-11-7	p-Dimethylaminoazobenzene	U	6	1.0	20	20	6
510-15-6	Chlorobenzilate	U	7	1.0	20	20	7
119-93-7	3,3'-Dimethylbenzidine	U	6	1.0	20	20	6
85-68-7	Butylbenzylphthalate	U	6	1.0	10	10	6
53-96-3	2-Acetylaminofluorene	U	4	1.0	10	10	4
56-55-3	Benzo(a)anthracene	U	2	1.0	10	10	2
91-94-1	3,3'-Dichlorobenzidine	U	3	1.0	10	10	3
218-01-9	Chrysene	U	3	1.0	10	10	3
117-81-7	bis(2-Ethylhexyl)phthalate	U	7	1.0	10	10	7
117-84-0	Di-n-octylphthalate	U	5	1.0	10	10	5
205-99-2	Benzo(b)fluoranthene	U	3	1.0	10	10	3
57-97-6	7,12-Dimethylbenz(A)Anthracen	U	4	1.0	10	10	4
207-08-9	Benzo(k)fluoranthene	U	4	1.0	10	10	4
70-30-4	Hexachlorophene	U	5	1.0	10	10	5
50-32-8	Benzo(a)pyrene	U	3	1.0	10	10	3
56-49-5	3-Methylcholanthrene	U	6	1.0	10	10	6
193-39-5	Indeno(1,2,3-cd)pyrene	U	7	1.0	10	10	7
53-70-3	Dibenzo(a,h)anthracene	U	7	1.0	10	10	7
191-24-2	Benzo(g,h,i)perylene	U	8	1.0	10	10	8
367-12-4	2-Fluorophenol		44%				
13127-88-3	Phenol-D6		30%				
4165-60-0	Nitrobenzene-D5		60%				
321-60-8	2-Fluorobiphenyl		64%				
118-79-6	2,4,6-Tribromophenol		63%				
1718-51-0	Terphenyl-D14		80%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date: 11/07/06
Received Date: 11/08/06
Extraction Date: 11/09/06
Analysis Date: 14-NOV-2006 18:33
Report Date: 11/20/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6039-3
Client ID: PT09-GW-MW05S-11070
SDG: CTO33-6
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG33955
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
62-75-9	N-Nitrosodimethylamine	U	4	1.0	10	10	4
110-86-1	Pyridine	U	2	1.0	50	50	2
109-06-8	2-Picoline	U	3	1.0	10	10	3
10595-95-6	N-Nitrosomethylethylamine	U	5	1.0	10	10	5
66-27-3	Methyl Methanesulfonate	U	7	1.0	20	20	7
55-18-5	N-Nitrosodiethylamine	U	3	1.0	20	20	3
62-50-0	Ethyl Methanesulfonate	U	7	1.0	10	10	7
62-53-3	Aniline	U	6	1.0	25	25	6
108-95-2	Phenol	U	8	1.0	10	10	8
111-44-4	Bis(2-Chloroethyl)ether	U	4	1.0	10	10	4
95-57-8	2-Chlorophenol	U	8	1.0	10	10	8
100-51-6	Benzyl alcohol	U	8	1.0	20	20	8
95-48-7	2-Methylphenol	U	8	1.0	10	10	8
108-60-1	Bis(2-Chloroisopropyl)ether	U	3	1.0	10	10	3
930-55-2	N-Nitrosopyrrolidine	U	5	1.0	10	10	5
98-86-2	Acetophenone	U	5	1.0	10	10	5
621-64-7	N-Nitroso-di-n-propylamine	U	4	1.0	10	10	4
95-53-4	o-Toluidine	U	10	1.0	10	10	10
106-44-5	3&4-Methylphenol	U	8	1.0	10	10	8
59-89-2	N-Nitrosomorpholine	U	4	1.0	10	10	4
67-72-1	Hexachloroethane	U	3	1.0	10	10	3
98-95-3	Nitrobenzene	U	2	1.0	10	10	2
100-75-4	N-Nitrosopiperidine	U	3	1.0	10	10	3
78-59-1	Isophorone	U	3	1.0	10	10	3
88-75-5	2-Nitrophenol	U	7	1.0	10	10	7
105-67-9	2,4-Dimethylphenol	U	7	1.0	10	10	7
126-68-1	O,O,O-Triethylphosphorothioat	U	3	1.0	20	20	3
111-91-1	Bis(2-Chloroethoxy)methane	U	3	1.0	10	10	3
120-83-2	2,4-Dichlorophenol	U	7	1.0	10	10	7
120-82-1	1,2,4-Trichlorobenzene	U	2	1.0	10	10	2
91-20-3	Naphthalene	U	2	1.0	10	10	2
122-09-8	A,A-Dimethylphenethylamine	U	15	1.0	25	25	15
87-65-0	2,6-Dichlorophenol	U	8	1.0	10	10	8
106-47-8	4-Chloroaniline	U	4	1.0	10	10	4
1888-71-7	Hexachloropropene	U	3	1.0	10	10	3
87-68-3	Hexachlorobutadiene	U	2	1.0	10	10	2
924-16-3	N-Nitroso-Di-N-Butylamine	U	8	1.0	10	10	8
106-50-3	p-Phenylenediamine	U	5	1.0	10	10	5
59-50-7	4-Chloro-3-Methylphenol	U	9	1.0	10	10	9
94-59-7	Safrole	U	3	1.0	10	10	3
120-58-1	Isosafrole	U	5	1.0	20	20	5
91-57-6	2-Methylnaphthalene	U	4	1.0	10	10	4
77-47-4	Hexachlorocyclopentadiene	U	2	1.0	10	10	2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date: 11/07/06
Received Date: 11/08/06
Extraction Date: 11/09/06
Analysis Date: 14-NOV-2006 18:33
Report Date: 11/20/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6039-3
Client ID: PT09-GW-MW05S-11070
SDG: CTO33-6
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG33955
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
95-94-3	1,2,4,5-Tetrachlorobenzene	U	4	1.0	10	10	4
88-06-2	2,4,6-Trichlorophenol	U	6	1.0	10	10	6
95-95-4	2,4,5-Trichlorophenol	U	6	1.0	25	25	6
91-58-7	2-Chloronaphthalene	U	2	1.0	10	10	2
88-74-4	2-Nitroaniline	U	3	1.0	25	25	3
130-15-4	1,4-Naphthoquinone	U	4	1.0	10	10	4
131-11-3	Dimethyl Phthalate	U	4	1.0	10	10	4
99-65-0	1,3-Dinitrobenzene	U	5	1.0	10	10	5
606-20-2	2,6-Dinitrotoluene	U	4	1.0	10	10	4
208-96-8	Acenaphthylene	U	3	1.0	10	10	3
99-09-2	3-Nitroaniline	U	4	1.0	25	25	4
83-32-9	Acenaphthene	U	3	1.0	10	10	3
51-28-5	2,4-Dinitrophenol	U	22	1.0	25	25	22
608-93-5	Pentachlorobenzene	U	3	1.0	10	10	3
132-64-9	Dibenzofuran	U	3	1.0	10	10	3
100-02-7	4-Nitrophenol	U	15	1.0	25	25	15
121-14-2	2,4-Dinitrotoluene	U	4	1.0	10	10	4
134-32-7	1-Naphthylamine	U	3	1.0	10	10	3
58-90-2	2,3,4,6-Tetrachlorophenol	U	6	1.0	10	10	6
91-59-8	2-Naphthylamine	U	4	1.0	10	10	4
84-66-2	Diethylphthalate	U	3	1.0	10	10	3
86-73-7	Fluorene	U	3	1.0	10	10	3
7005-72-3	4-Chlorophenyl-phenylether	U	3	1.0	10	10	3
99-55-8	5-Nitro-O-Toluidine	U	5	1.0	20	20	5
297-97-2	0,0-diethyl-o-2-pyrazinylphos	U	4	1.0	20	20	4
100-01-6	4-Nitroaniline	U	5	1.0	25	25	5
534-52-1	4,6-Dinitro-2-Methylphenol	U	10	1.0	25	25	10
86-30-6	N-Nitrosodiphenylamine/DPA	U	5	1.0	10	10	5
3689-24-5	Sulfotepp	U	3	1.0	10	10	3
2303-16-4	Diallate	U	4	1.0	20	20	4
99-35-4	1,3,5-Trinitrobenzene	U	5	1.0	10	10	5
101-55-3	4-Bromophenyl-phenylether	U	3	1.0	10	10	3
62-44-2	Phenacetin	U	6	1.0	10	10	6
118-74-1	Hexachlorobenzene	U	3	1.0	10	10	3
60-51-5	Dimethoate	U	7	1.0	10	10	7
87-86-5	Pentachlorophenol	U	16	1.0	25	25	16
82-68-8	Pentachloronitrobenzene	U	4	1.0	10	10	4
92-67-1	4-Aminobiphenyl	U	4	1.0	10	10	4
23950-58-5	Pronamide	U	5	1.0	10	10	5
85-01-8	Phenanthrene	U	3	1.0	10	10	3
88-85-7	Dinoseb	U	5	1.0	10	10	5
120-12-7	Anthracene	U	3	1.0	10	10	3
84-74-2	Di-n-butylphthalate	U	7	1.0	10	10	7

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date: 11/07/06
Received Date: 11/08/06
Extraction Date: 11/09/06
Analysis Date: 14-NOV-2006 18:33
Report Date: 11/20/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6039-3
Client ID: PT09-GW-MW05S-11070
SDG: CTO33-6
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG33955
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
56-57-5	4-Nitroquinoline-1-Oxide	U	9	1.0	25	25	9
56-38-2	Ethyl Parathion	U	14	1.0	10	10	14
91-80-5	Methapyrilene	U	8	1.0	10	10	8
465-73-6	Isodrin	U	4	1.0	20	20	4
206-44-0	Fluoranthene	U	8	1.0	10	10	8
129-00-0	Pyrene	U	6	1.0	10	10	6
140-57-8	Aramite	U	8	1.0	20	20	8
60-11-7	p-Dimethylaminoazobenzene	U	6	1.0	20	20	6
510-15-6	Chlorobenzilate	U	7	1.0	20	20	7
119-93-7	3,3'-Dimethylbenzidine	U	6	1.0	20	20	6
85-68-7	Butylbenzylphthalate	U	6	1.0	10	10	6
53-96-3	2-Acetylaminofluorene	U	4	1.0	10	10	4
56-55-3	Benzo(a)anthracene	U	2	1.0	10	10	2
91-94-1	3,3'-Dichlorobenzidine	U	3	1.0	10	10	3
218-01-9	Chrysene	U	3	1.0	10	10	3
117-81-7	bis(2-Ethylhexyl)phthalate	U	7	1.0	10	10	7
117-84-0	Di-n-octylphthalate	U	5	1.0	10	10	5
205-99-2	Benzo(b)fluoranthene	U	3	1.0	10	10	3
57-97-6	7,12-Dimethylbenz(A)Anthracen	U	4	1.0	10	10	4
207-08-9	Benzo(k)fluoranthene	U	4	1.0	10	10	4
70-30-4	Hexachlorophene	U	5	1.0	10	10	5
50-32-8	Benzo(a)pyrene	U	3	1.0	10	10	3
56-49-5	3-Methylcholanthrene	U	6	1.0	10	10	6
193-39-5	Indeno(1,2,3-cd)pyrene	U	7	1.0	10	10	7
53-70-3	Dibenzo(a,h)anthracene	U	7	1.0	10	10	7
191-24-2	Benzo(g,h,i)perylene	U	8	1.0	10	10	8
367-12-4	2-Fluorophenol		40%				
13127-88-3	Phenol-D6		29%				
4165-60-0	Nitrobenzene-D5		64%				
321-60-8	2-Fluorobiphenyl		64%				
118-79-6	2,4,6-Tribromophenol		60%				
1718-51-0	Terphenyl-D14		85%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date: 11/07/06
Received Date: 11/08/06
Extraction Date: 11/09/06
Analysis Date: 14-NOV-2006 19:16
Report Date: 11/20/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6039-4
Client ID: PT09-GW-RB01-110706
SDG: CTO33-6
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG33955
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
62-75-9	N-Nitrosodimethylamine	U	5	1.0	10	10	5
110-86-1	Pyridine	U	2	1.0	50	50	2
109-06-8	2-Picoline	U	3	1.0	10	10	3
10595-95-6	N-Nitrosomethylethylamine	U	5	1.0	10	10	5
66-27-3	Methyl Methanesulfonate	U	7	1.0	20	20	7
55-18-5	N-Nitrosodiethylamine	U	4	1.0	20	20	4
62-50-0	Ethyl Methanesulfonate	U	7	1.0	10	10	7
62-53-3	Aniline	U	6	1.0	25	25	6
108-95-2	Phenol	U	9	1.0	10	10	9
111-44-4	Bis(2-Chloroethyl)ether	U	4	1.0	10	10	4
95-57-8	2-Chlorophenol	U	8	1.0	10	10	8
100-51-6	Benzyl alcohol	U	9	1.0	20	20	9
95-48-7	2-Methylphenol	U	8	1.0	10	10	8
108-60-1	Bis(2-Chloroisopropyl)ether	U	4	1.0	10	10	4
930-55-2	N-Nitrosopyrrolidine	U	6	1.0	10	10	6
98-86-2	Acetophenone	U	5	1.0	10	10	5
621-64-7	N-Nitroso-di-n-propylamine	U	4	1.0	10	10	4
95-53-4	o-Toluidine	U	10	1.0	10	10	10
106-44-5	3&4-Methylphenol	U	9	1.0	10	10	9
59-89-2	N-Nitrosomorpholine	U	4	1.0	10	10	4
67-72-1	Hexachloroethane	U	3	1.0	10	10	3
98-95-3	Nitrobenzene	U	2	1.0	10	10	2
100-75-4	N-Nitrosopiperidine	U	3	1.0	10	10	3
78-59-1	Isophorone	U	3	1.0	10	10	3
88-75-5	2-Nitrophenol	U	7	1.0	10	10	7
105-67-9	2,4-Dimethylphenol	U	7	1.0	10	10	7
126-68-1	O,O,O-Triethylphosphorothioat	U	3	1.0	20	20	3
111-91-1	Bis(2-Chloroethoxy)methane	U	4	1.0	10	10	4
120-83-2	2,4-Dichlorophenol	U	7	1.0	10	10	7
120-82-1	1,2,4-Trichlorobenzene	U	2	1.0	10	10	2
91-20-3	Naphthalene	U	3	1.0	10	10	3
122-09-8	A,A-Dimethylphenethylamine	U	16	1.0	25	25	16
87-65-0	2,6-Dichlorophenol	U	8	1.0	10	10	8
106-47-8	4-Chloroaniline	U	5	1.0	10	10	5
1888-71-7	Hexachloropropene	U	3	1.0	10	10	3
87-68-3	Hexachlorobutadiene	U	2	1.0	10	10	2
924-16-3	N-Nitroso-Di-N-Butylamine	U	8	1.0	10	10	8
106-50-3	p-Phenylenediamine	U	5	1.0	10	10	5
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	10
94-59-7	Safrole	U	3	1.0	10	10	3
120-58-1	Isosafrole	U	5	1.0	20	20	5
91-57-6	2-Methylnaphthalene	U	4	1.0	10	10	4
77-47-4	Hexachlorocyclopentadiene	U	3	1.0	10	10	3

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date: 11/07/06
Received Date: 11/08/06
Extraction Date: 11/09/06
Analysis Date: 14-NOV-2006 19:16
Report Date: 11/20/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6039-4
Client ID: PT09-GW-RB01-110706
SDG: CTO33-6
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG33955
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
95-94-3	1,2,4,5-Tetrachlorobenzene	U	4	1.0	10	10	4
88-06-2	2,4,6-Trichlorophenol	U	7	1.0	10	10	7
95-95-4	2,4,5-Trichlorophenol	U	7	1.0	25	25	7
91-58-7	2-Chloronaphthalene	U	3	1.0	10	10	3
88-74-4	2-Nitroaniline	U	3	1.0	25	25	3
130-15-4	1,4-Naphthoquinone	U	4	1.0	10	10	4
131-11-3	Dimethyl Phthalate	U	4	1.0	10	10	4
99-65-0	1,3-Dinitrobenzene	U	5	1.0	10	10	5
606-20-2	2,6-Dinitrotoluene	U	4	1.0	10	10	4
208-96-8	Acenaphthylene	U	3	1.0	10	10	3
99-09-2	3-Nitroaniline	U	4	1.0	25	25	4
83-32-9	Acenaphthene	U	3	1.0	10	10	3
51-28-5	2,4-Dinitrophenol	U	23	1.0	25	25	23
608-93-5	Pentachlorobenzene	U	3	1.0	10	10	3
132-64-9	Dibenzofuran	U	3	1.0	10	10	3
100-02-7	4-Nitrophenol	U	16	1.0	25	25	16
121-14-2	2,4-Dinitrotoluene	U	4	1.0	10	10	4
134-32-7	1-Naphthylamine	U	3	1.0	10	10	3
58-90-2	2,3,4,6-Tetrachlorophenol	U	6	1.0	10	10	6
91-59-8	2-Naphthylamine	U	4	1.0	10	10	4
84-66-2	Diethylphthalate	U	3	1.0	10	10	3
86-73-7	Fluorene	U	3	1.0	10	10	3
7005-72-3	4-Chlorophenyl-phenylether	U	4	1.0	10	10	4
99-55-8	5-Nitro-O-Toluidine	U	5	1.0	20	20	5
297-97-2	0,0-diethyl-o-2-pyrazinylphos	U	4	1.0	20	20	4
100-01-6	4-Nitroaniline	U	5	1.0	25	25	5
534-52-1	4,6-Dinitro-2-Methylphenol	U	11	1.0	25	25	11
86-30-6	N-Nitrosodiphenylamine/DPA	U	5	1.0	10	10	5
3689-24-5	Sulfotepp	U	3	1.0	10	10	3
2303-16-4	Diallate	U	4	1.0	20	20	4
99-35-4	1,3,5-Trinitrobenzene	U	6	1.0	10	10	6
101-55-3	4-Bromophenyl-phenylether	U	3	1.0	10	10	3
62-44-2	Phenacetin	U	6	1.0	10	10	6
118-74-1	Hexachlorobenzene	U	3	1.0	10	10	3
60-51-5	Dimethoate	U	8	1.0	10	10	8
87-86-5	Pentachlorophenol	U	17	1.0	25	25	17
82-68-8	Pentachloronitrobenzene	U	4	1.0	10	10	4
92-67-1	4-Aminobiphenyl	U	4	1.0	10	10	4
23950-58-5	Pronamide	U	5	1.0	10	10	5
85-01-8	Phenanthrene	U	3	1.0	10	10	3
88-85-7	Dinoseb	U	5	1.0	10	10	5
120-12-7	Anthracene	U	3	1.0	10	10	3
84-74-2	Di-n-butylphthalate	U	7	1.0	10	10	7

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date: 11/07/06
Received Date: 11/08/06
Extraction Date: 11/09/06
Analysis Date: 14-NOV-2006 19:16
Report Date: 11/20/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6039-4
Client ID: PT09-GW-RB01-110706
SDG: CTO33-6
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG33955
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
56-57-5	4-Nitroquinoline-1-Oxide	U	10	1.0	25	25	10
56-38-2	Ethyl Parathion	U	14	1.0	10	10	14
91-80-5	Methapyrilene	U	9	1.0	10	10	9
465-73-6	Isodrin	U	4	1.0	20	20	4
206-44-0	Fluoranthene	U	8	1.0	10	10	8
129-00-0	Pyrene	U	7	1.0	10	10	7
140-57-8	Aramite	U	8	1.0	20	20	8
60-11-7	p-Dimethylaminoazobenzene	U	6	1.0	20	20	6
510-15-6	Chlorobenzilate	U	8	1.0	20	20	8
119-93-7	3,3'-Dimethylbenzidine	U	6	1.0	20	20	6
85-68-7	Butylbenzylphthalate	U	6	1.0	10	10	6
53-96-3	2-Acetylaminofluorene	U	5	1.0	10	10	5
56-55-3	Benzo(a)anthracene	U	3	1.0	10	10	3
91-94-1	3,3'-Dichlorobenzidine	U	4	1.0	10	10	4
218-01-9	Chrysene	U	3	1.0	10	10	3
117-81-7	bis(2-Ethylhexyl)phthalate	U	8	1.0	10	10	8
117-84-0	Di-n-octylphthalate	U	5	1.0	10	10	5
205-99-2	Benzo(b)fluoranthene	U	4	1.0	10	10	4
57-97-6	7,12-Dimethylbenz(A)Anthracen	U	4	1.0	10	10	4
207-08-9	Benzo(k)fluoranthene	U	5	1.0	10	10	5
70-30-4	Hexachlorophene	U	5	1.0	10	10	5
50-32-8	Benzo(a)pyrene	U	3	1.0	10	10	3
56-49-5	3-Methylcholanthrene	U	6	1.0	10	10	6
193-39-5	Indeno(1,2,3-cd)pyrene	U	7	1.0	10	10	7
53-70-3	Dibenzo(a,h)anthracene	U	7	1.0	10	10	7
191-24-2	Benzo(g,h,i)perylene	U	8	1.0	10	10	8
367-12-4	2-Fluorophenol		49%				
13127-88-3	Phenol-D6		34%				
4165-60-0	Nitrobenzene-D5		63%				
321-60-8	2-Fluorobiphenyl		64%				
118-79-6	2,4,6-Tribromophenol		65%				
1718-51-0	Terphenyl-D14		77%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0013 NAVSTA Mayport
PO No:
Sample Date: 11/07/06
Received Date: 11/08/06
Extraction Date: 11/09/06
Analysis Date: 11-NOV-2006 13:08
Report Date: 11/20/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6039-5
Client ID: PT11-GW-MW05S-11070
SDG: CTO33-6
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 M8270C
Lab Prep Batch: WG33956
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	U	0.1	1.0	0.2	0.2	0.1
91-57-6	2-Methylnaphthalene	U	0.07	1.0	0.2	0.2	0.07
90-12-0	1-Methylnaphthalene	U	0.1	1.0	0.2	0.2	0.1
208-96-8	Acenaphthylene	U	0.06	1.0	0.2	0.2	0.06
83-32-9	Acenaphthene	U	0.07	1.0	0.2	0.2	0.07
86-73-7	Fluorene	U	0.07	1.0	0.2	0.2	0.07
85-01-8	Phenanthrene	U	0.05	1.0	0.2	0.2	0.05
120-12-7	Anthracene	U	0.06	1.0	0.2	0.2	0.06
206-44-0	Fluoranthene	U	0.06	1.0	0.2	0.2	0.06
129-00-0	Pyrene	U	0.06	1.0	0.2	0.2	0.06
56-55-3	Benzo(a)anthracene	U	0.07	1.0	0.2	0.2	0.07
218-01-9	Chrysene	U	0.07	1.0	0.2	0.2	0.07
205-99-2	Benzo(b)fluoranthene	U	0.08	1.0	0.2	0.2	0.08
207-08-9	Benzo(k)fluoranthene	U	0.1	1.0	0.2	0.2	0.1
50-32-8	Benzo(a)pyrene	U	0.05	1.0	0.2	0.2	0.05
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.09	1.0	0.2	0.2	0.09
191-24-2	Benzo(g,h,i)perylene	U	0.08	1.0	0.2	0.2	0.08
53-70-3	Dibenzo(a,h)anthracene	U	0.1	1.0	0.2	0.2	0.1
7297-45-2	2-Methylnaphthalene-d10		55%				
81103-79-9	Fluorene-d10		65%				
1718-52-1	Pyrene-d10		73%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0013 NAVSTA Mayport
PO No:
Sample Date: 11/07/06
Received Date: 11/08/06
Extraction Date: 11/09/06
Analysis Date: 11-NOV-2006 13:52
Report Date: 11/20/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6039-6
Client ID: PT11-GW-RB02-110706
SDG: CTO33-6
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 M8270C
Lab Prep Batch: WG33956
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	U	0.1	1.0	0.2	0.2	0.1
91-57-6	2-Methylnaphthalene	U	0.07	1.0	0.2	0.2	0.07
90-12-0	1-Methylnaphthalene	U	0.1	1.0	0.2	0.2	0.1
208-96-8	Acenaphthylene	U	0.06	1.0	0.2	0.2	0.06
83-32-9	Acenaphthene	U	0.07	1.0	0.2	0.2	0.07
86-73-7	Fluorene	U	0.07	1.0	0.2	0.2	0.07
85-01-8	Phenanthrene	U	0.05	1.0	0.2	0.2	0.05
120-12-7	Anthracene	U	0.06	1.0	0.2	0.2	0.06
206-44-0	Fluoranthene	U	0.06	1.0	0.2	0.2	0.06
129-00-0	Pyrene	U	0.06	1.0	0.2	0.2	0.06
56-55-3	Benzo(a)anthracene	I	0.1	1.0	0.2	0.2	0.07
218-01-9	Chrysene	U	0.07	1.0	0.2	0.2	0.07
205-99-2	Benzo(b)fluoranthene	U	0.08	1.0	0.2	0.2	0.08
207-08-9	Benzo(k)fluoranthene	U	0.1	1.0	0.2	0.2	0.1
50-32-8	Benzo(a)pyrene	U	0.05	1.0	0.2	0.2	0.05
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.09	1.0	0.2	0.2	0.09
191-24-2	Benzo(g,h,i)perylene	U	0.08	1.0	0.2	0.2	0.08
53-70-3	Dibenzo(a,h)anthracene	U	0.1	1.0	0.2	0.2	0.1
7297-45-2	2-Methylnaphthalene-d10		71%				
81103-79-9	Fluorene-d10		80%				
1718-52-1	Pyrene-d10		80%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0013 NAVSTA Mayport
PO No:
Sample Date: 11/08/06
Received Date: 11/09/06
Extraction Date: 11/13/06
Analysis Date: 15-NOV-2006 13:53
Report Date: 11/20/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6081-1
Client ID: PT51-GW-MW01S-11080
SDG: CTO33-6
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 M8270C
Lab Prep Batch: WG34064
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene		0.4	1.0	0.2	0.2	0.1
91-57-6	2-Methylnaphthalene	U	0.07	1.0	0.2	0.2	0.07
90-12-0	1-Methylnaphthalene	L	7	1.0	0.2	0.2	0.1
208-96-8	Acenaphthylene	I	0.2	1.0	0.2	0.2	0.06
83-32-9	Acenaphthene		1	1.0	0.2	0.2	0.07
86-73-7	Fluorene		2	1.0	0.2	0.2	0.07
85-01-8	Phenanthrene	U	0.05	1.0	0.2	0.2	0.05
120-12-7	Anthracene	U	0.06	1.0	0.2	0.2	0.06
206-44-0	Fluoranthene	U	0.06	1.0	0.2	0.2	0.06
129-00-0	Pyrene	U	0.06	1.0	0.2	0.2	0.06
56-55-3	Benzo(a)anthracene	U	0.07	1.0	0.2	0.2	0.07
218-01-9	Chrysene	U	0.07	1.0	0.2	0.2	0.07
205-99-2	Benzo(b)fluoranthene	U	0.08	1.0	0.2	0.2	0.08
207-08-9	Benzo(k)fluoranthene	U	0.1	1.0	0.2	0.2	0.1
50-32-8	Benzo(a)pyrene	U	0.05	1.0	0.2	0.2	0.05
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.10	1.0	0.2	0.2	0.10
191-24-2	Benzo(g,h,i)perylene	U	0.08	1.0	0.2	0.2	0.08
53-70-3	Dibenzo(a,h)anthracene	U	0.1	1.0	0.2	0.2	0.1
7297-45-2	2-Methylnaphthalene-d10		88%				
81103-79-9	Fluorene-d10		86%				
1718-52-1	Pyrene-d10		64%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0013 NAVSTA Mayport
PO No:
Sample Date: 11/08/06
Received Date: 11/09/06
Extraction Date: 11/13/06
Analysis Date: 15-NOV-2006 19:43
Report Date: 11/20/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6081-1DL
Client ID: PT51-GW-MW01S-11080
SDG: CTO33-6
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 M8270C
Lab Prep Batch: WG34064
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene		0.4	2.0	0.2	0.4	0.2
91-57-6	2-Methylnaphthalene	U	0.1	2.0	0.2	0.4	0.1
90-12-0	1-Methylnaphthalene		8	2.0	0.2	0.4	0.3
208-96-8	Acenaphthylene	U	0.1	2.0	0.2	0.4	0.1
83-32-9	Acenaphthene		1	2.0	0.2	0.4	0.1
86-73-7	Fluorene		2	2.0	0.2	0.4	0.1
85-01-8	Phenanthrene	U	0.10	2.0	0.2	0.4	0.10
120-12-7	Anthracene	U	0.1	2.0	0.2	0.4	0.1
206-44-0	Fluoranthene	U	0.1	2.0	0.2	0.4	0.1
129-00-0	Pyrene	U	0.1	2.0	0.2	0.4	0.1
56-55-3	Benzo(a)anthracene	U	0.1	2.0	0.2	0.4	0.1
218-01-9	Chrysene	U	0.1	2.0	0.2	0.4	0.1
205-99-2	Benzo(b)fluoranthene	U	0.2	2.0	0.2	0.4	0.2
207-08-9	Benzo(k)fluoranthene	U	0.2	2.0	0.2	0.4	0.2
50-32-8	Benzo(a)pyrene	U	0.10	2.0	0.2	0.4	0.10
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.2	2.0	0.2	0.4	0.2
191-24-2	Benzo(g,h,i)perylene	U	0.2	2.0	0.2	0.4	0.2
53-70-3	Dibenzo(a,h)anthracene	U	0.2	2.0	0.2	0.4	0.2
7297-45-2	2-Methylnaphthalene-d10		82%				
81103-79-9	Fluorene-d10		111%				
1718-52-1	Pyrene-d10		74%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0013 NAVSTA Mayport
PO No:
Sample Date: 11/08/06
Received Date: 11/09/06
Extraction Date: 11/13/06
Analysis Date: 15-NOV-2006 14:37
Report Date: 11/20/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6081-2
Client ID: PT51-GW-MW02S-11080
SDG: CTO33-6
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 M8270C
Lab Prep Batch: WG34064
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	L	63	1.0	0.2	0.2	0.1
91-57-6	2-Methylnaphthalene	L	91	1.0	0.2	0.2	0.07
90-12-0	1-Methylnaphthalene	L	70	1.0	0.2	0.2	0.1
208-96-8	Acenaphthylene	U	0.06	1.0	0.2	0.2	0.06
83-32-9	Acenaphthene		2	1.0	0.2	0.2	0.07
86-73-7	Fluorene	L	6	1.0	0.2	0.2	0.07
85-01-8	Phenanthrene		3	1.0	0.2	0.2	0.05
120-12-7	Anthracene	U	0.06	1.0	0.2	0.2	0.06
206-44-0	Fluoranthene	U	0.06	1.0	0.2	0.2	0.06
129-00-0	Pyrene	U	0.06	1.0	0.2	0.2	0.06
56-55-3	Benzo(a)anthracene	U	0.07	1.0	0.2	0.2	0.07
218-01-9	Chrysene	U	0.07	1.0	0.2	0.2	0.07
205-99-2	Benzo(b)fluoranthene	U	0.08	1.0	0.2	0.2	0.08
207-08-9	Benzo(k)fluoranthene	U	0.1	1.0	0.2	0.2	0.1
50-32-8	Benzo(a)pyrene	U	0.05	1.0	0.2	0.2	0.05
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.10	1.0	0.2	0.2	0.10
191-24-2	Benzo(g,h,i)perylene	U	0.08	1.0	0.2	0.2	0.08
53-70-3	Dibenzo(a,h)anthracene	U	0.1	1.0	0.2	0.2	0.1
7297-45-2	2-Methylnaphthalene-d10		79%				
81103-79-9	Fluorene-d10		91%				
1718-52-1	Pyrene-d10		75%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0013 NAVSTA Mayport
PO No:
Sample Date: 11/08/06
Received Date: 11/09/06
Extraction Date: 11/13/06
Analysis Date: 15-NOV-2006 20:27
Report Date: 11/20/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6081-2DL
Client ID: PT51-GW-MW02S-11080
SDG: CTO33-6
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 M8270C
Lab Prep Batch: WG34064
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene		92	50	0.2	10	6
91-57-6	2-Methylnaphthalene		110	50	0.2	10	3
90-12-0	1-Methylnaphthalene		110	50	0.2	10	7
208-96-8	Acenaphthylene	U	3	50	0.2	10	3
83-32-9	Acenaphthene	U	3	50	0.2	10	3
86-73-7	Fluorene	I	5	50	0.2	10	3
85-01-8	Phenanthrene	I	4	50	0.2	10	2
120-12-7	Anthracene	U	3	50	0.2	10	3
206-44-0	Fluoranthene	U	3	50	0.2	10	3
129-00-0	Pyrene	U	3	50	0.2	10	3
56-55-3	Benzo(a)anthracene	U	3	50	0.2	10	3
218-01-9	Chrysene	U	3	50	0.2	10	3
205-99-2	Benzo(b)fluoranthene	U	4	50	0.2	10	4
207-08-9	Benzo(k)fluoranthene	U	5	50	0.2	10	5
50-32-8	Benzo(a)pyrene	U	2	50	0.2	10	2
193-39-5	Indeno(1,2,3-cd)pyrene	U	5	50	0.2	10	5
191-24-2	Benzo(g,h,i)perylene	U	4	50	0.2	10	4
53-70-3	Dibenzo(a,h)anthracene	U	6	50	0.2	10	6
7297-45-2	2-Methylnaphthalene-d10		D				
81103-79-9	Fluorene-d10		D				
1718-52-1	Pyrene-d10		D				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0013 NAVSTA Mayport
PO No:
Sample Date: 11/08/06
Received Date: 11/09/06
Extraction Date: 11/13/06
Analysis Date: 15-NOV-2006 15:21
Report Date: 11/20/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6081-3
Client ID: PT51-GW-MW03S-11080
SDG: CTO33-6
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 M8270C
Lab Prep Batch: WG34064
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene		1	1.0	0.2	0.2	0.1
91-57-6	2-Methylnaphthalene		1	1.0	0.2	0.2	0.07
90-12-0	1-Methylnaphthalene	L	7	1.0	0.2	0.2	0.1
208-96-8	Acenaphthylene	U	0.06	1.0	0.2	0.2	0.06
83-32-9	Acenaphthene		0.8	1.0	0.2	0.2	0.07
86-73-7	Fluorene		2	1.0	0.2	0.2	0.07
85-01-8	Phenanthrene		1	1.0	0.2	0.2	0.05
120-12-7	Anthracene	U	0.06	1.0	0.2	0.2	0.06
206-44-0	Fluoranthene	U	0.06	1.0	0.2	0.2	0.06
129-00-0	Pyrene	U	0.06	1.0	0.2	0.2	0.06
56-55-3	Benzo(a)anthracene	U	0.07	1.0	0.2	0.2	0.07
218-01-9	Chrysene	U	0.07	1.0	0.2	0.2	0.07
205-99-2	Benzo(b)fluoranthene	U	0.08	1.0	0.2	0.2	0.08
207-08-9	Benzo(k)fluoranthene	U	0.1	1.0	0.2	0.2	0.1
50-32-8	Benzo(a)pyrene	U	0.05	1.0	0.2	0.2	0.05
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.09	1.0	0.2	0.2	0.09
191-24-2	Benzo(g,h,i)perylene	U	0.08	1.0	0.2	0.2	0.08
53-70-3	Dibenzo(a,h)anthracene	U	0.1	1.0	0.2	0.2	0.1
7297-45-2	2-Methylnaphthalene-d10		76%				
81103-79-9	Fluorene-d10		89%				
1718-52-1	Pyrene-d10		100%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0013 NAVSTA Mayport
PO No:
Sample Date: 11/08/06
Received Date: 11/09/06
Extraction Date: 11/13/06
Analysis Date: 15-NOV-2006 21:10
Report Date: 11/20/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6081-3DL
Client ID: PT51-GW-MW03S-11080
SDG: CTO33-6
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 M8270C
Lab Prep Batch: WG34064
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene		1	2.0	0.2	0.4	0.2
91-57-6	2-Methylnaphthalene		1	2.0	0.2	0.4	0.1
90-12-0	1-Methylnaphthalene		8	2.0	0.2	0.4	0.3
208-96-8	Acenaphthylene	U	0.1	2.0	0.2	0.4	0.1
83-32-9	Acenaphthene		0.8	2.0	0.2	0.4	0.1
86-73-7	Fluorene		2	2.0	0.2	0.4	0.1
85-01-8	Phenanthrene		1	2.0	0.2	0.4	0.09
120-12-7	Anthracene	U	0.1	2.0	0.2	0.4	0.1
206-44-0	Fluoranthene	U	0.1	2.0	0.2	0.4	0.1
129-00-0	Pyrene	U	0.1	2.0	0.2	0.4	0.1
56-55-3	Benzo(a)anthracene	U	0.1	2.0	0.2	0.4	0.1
218-01-9	Chrysene	U	0.1	2.0	0.2	0.4	0.1
205-99-2	Benzo(b)fluoranthene	U	0.2	2.0	0.2	0.4	0.2
207-08-9	Benzo(k)fluoranthene	U	0.2	2.0	0.2	0.4	0.2
50-32-8	Benzo(a)pyrene	U	0.09	2.0	0.2	0.4	0.09
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.2	2.0	0.2	0.4	0.2
191-24-2	Benzo(g,h,i)perylene	U	0.2	2.0	0.2	0.4	0.2
53-70-3	Dibenzo(a,h)anthracene	U	0.2	2.0	0.2	0.4	0.2
7297-45-2	2-Methylnaphthalene-d10		73%				
81103-79-9	Fluorene-d10		104%				
1718-52-1	Pyrene-d10		77%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0013 NAVSTA Mayport
PO No:
Sample Date: 11/08/06
Received Date: 11/09/06
Extraction Date: 11/13/06
Analysis Date: 15-NOV-2006 17:32
Report Date: 11/20/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6081-4
Client ID: MPT51-RB03-110806
SDG: CTO33-6
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 M8270C
Lab Prep Batch: WG34064
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	U	0.1	1.0	0.2	0.2	0.1
91-57-6	2-Methylnaphthalene	U	0.07	1.0	0.2	0.2	0.07
90-12-0	1-Methylnaphthalene	U	0.1	1.0	0.2	0.2	0.1
208-96-8	Acenaphthylene	U	0.06	1.0	0.2	0.2	0.06
83-32-9	Acenaphthene	U	0.07	1.0	0.2	0.2	0.07
86-73-7	Fluorene	U	0.07	1.0	0.2	0.2	0.07
85-01-8	Phenanthrene	U	0.05	1.0	0.2	0.2	0.05
120-12-7	Anthracene	U	0.06	1.0	0.2	0.2	0.06
206-44-0	Fluoranthene	U	0.06	1.0	0.2	0.2	0.06
129-00-0	Pyrene	U	0.06	1.0	0.2	0.2	0.06
56-55-3	Benzo(a)anthracene	U	0.07	1.0	0.2	0.2	0.07
218-01-9	Chrysene	U	0.07	1.0	0.2	0.2	0.07
205-99-2	Benzo(b)fluoranthene	U	0.08	1.0	0.2	0.2	0.08
207-08-9	Benzo(k)fluoranthene	U	0.1	1.0	0.2	0.2	0.1
50-32-8	Benzo(a)pyrene	U	0.05	1.0	0.2	0.2	0.05
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.09	1.0	0.2	0.2	0.09
191-24-2	Benzo(g,h,i)perylene	U	0.08	1.0	0.2	0.2	0.08
53-70-3	Dibenzo(a,h)anthracene	U	0.1	1.0	0.2	0.2	0.1
7297-45-2	2-Methylnaphthalene-d10		71%				
81103-79-9	Fluorene-d10		76%				
1718-52-1	Pyrene-d10		85%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0013 NAVSTA Mayport
PO No:
Sample Date: 11/08/06
Received Date: 11/09/06
Extraction Date: 11/13/06
Analysis Date: 15-NOV-2006 16:05
Report Date: 11/20/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6081-5
Client ID: PT07-GW-TW01S-11080
SDG: CTO33-6
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 M8270C
Lab Prep Batch: WG34064
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene		0.6	1.0	0.2	0.2	0.1
91-57-6	2-Methylnaphthalene	L	11	1.0	0.2	0.2	0.07
90-12-0	1-Methylnaphthalene	L	30	1.0	0.2	0.2	0.1
208-96-8	Acenaphthylene	U	0.06	1.0	0.2	0.2	0.06
83-32-9	Acenaphthene		2	1.0	0.2	0.2	0.07
86-73-7	Fluorene		2	1.0	0.2	0.2	0.07
85-01-8	Phenanthrene	U	0.05	1.0	0.2	0.2	0.05
120-12-7	Anthracene	U	0.06	1.0	0.2	0.2	0.06
206-44-0	Fluoranthene	U	0.06	1.0	0.2	0.2	0.06
129-00-0	Pyrene	U	0.06	1.0	0.2	0.2	0.06
56-55-3	Benzo(a)anthracene	U	0.07	1.0	0.2	0.2	0.07
218-01-9	Chrysene	U	0.07	1.0	0.2	0.2	0.07
205-99-2	Benzo(b)fluoranthene	U	0.08	1.0	0.2	0.2	0.08
207-08-9	Benzo(k)fluoranthene	U	0.1	1.0	0.2	0.2	0.1
50-32-8	Benzo(a)pyrene	U	0.05	1.0	0.2	0.2	0.05
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.10	1.0	0.2	0.2	0.10
191-24-2	Benzo(g,h,i)perylene	U	0.09	1.0	0.2	0.2	0.09
53-70-3	Dibenzo(a,h)anthracene	U	0.1	1.0	0.2	0.2	0.1
7297-45-2	2-Methylnaphthalene-d10		86%				
81103-79-9	Fluorene-d10		82%				
1718-52-1	Pyrene-d10		69%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0013 NAVSTA Mayport
PO No:
Sample Date: 11/08/06
Received Date: 11/09/06
Extraction Date: 11/13/06
Analysis Date: 15-NOV-2006 22:37
Report Date: 11/20/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6081-5DL
Client ID: PT07-GW-TW01S-11080
SDG: CTO33-6
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 M8270C
Lab Prep Batch: WG34064
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	U	1	10	0.2	2	1
91-57-6	2-Methylnaphthalene		10	10	0.2	2	0.7
90-12-0	1-Methylnaphthalene		36	10	0.2	2	1
208-96-8	Acenaphthylene	U	0.6	10	0.2	2	0.6
83-32-9	Acenaphthene	I	2	10	0.2	2	0.7
86-73-7	Fluorene	I	2	10	0.2	2	0.7
85-01-8	Phenanthrene	U	0.5	10	0.2	2	0.5
120-12-7	Anthracene	U	0.6	10	0.2	2	0.6
206-44-0	Fluoranthene	U	0.6	10	0.2	2	0.6
129-00-0	Pyrene	U	0.6	10	0.2	2	0.6
56-55-3	Benzo(a)anthracene	U	0.7	10	0.2	2	0.7
218-01-9	Chrysene	U	0.7	10	0.2	2	0.7
205-99-2	Benzo(b)fluoranthene	U	0.8	10	0.2	2	0.8
207-08-9	Benzo(k)fluoranthene	U	1	10	0.2	2	1
50-32-8	Benzo(a)pyrene	U	0.5	10	0.2	2	0.5
193-39-5	Indeno(1,2,3-cd)pyrene	U	1.0	10	0.2	2	1.0
191-24-2	Benzo(g,h,i)perylene	U	0.9	10	0.2	2	0.9
53-70-3	Dibenzo(a,h)anthracene	U	1	10	0.2	2	1
7297-45-2	2-Methylnaphthalene-d10		D				
81103-79-9	Fluorene-d10		D				
1718-52-1	Pyrene-d10		D				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0013 NAVSTA Mayport
PO No:
Sample Date: 11/08/06
Received Date: 11/09/06
Extraction Date: 11/13/06
Analysis Date: 15-NOV-2006 16:49
Report Date: 11/20/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6081-6
Client ID: PT08-GW-MW12S-11080
SDG: CTO33-6
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 M8270C
Lab Prep Batch: WG34064
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
91-20-3	Naphthalene	U	0.1	1.0	0.2	0.2	0.1
91-57-6	2-Methylnaphthalene	U	0.07	1.0	0.2	0.2	0.07
90-12-0	1-Methylnaphthalene	U	0.1	1.0	0.2	0.2	0.1
208-96-8	Acenaphthylene	U	0.06	1.0	0.2	0.2	0.06
83-32-9	Acenaphthene	U	0.07	1.0	0.2	0.2	0.07
86-73-7	Fluorene	U	0.07	1.0	0.2	0.2	0.07
85-01-8	Phenanthrene	U	0.05	1.0	0.2	0.2	0.05
120-12-7	Anthracene	U	0.06	1.0	0.2	0.2	0.06
206-44-0	Fluoranthene	U	0.06	1.0	0.2	0.2	0.06
129-00-0	Pyrene	U	0.06	1.0	0.2	0.2	0.06
56-55-3	Benzo(a)anthracene	U	0.07	1.0	0.2	0.2	0.07
218-01-9	Chrysene	U	0.07	1.0	0.2	0.2	0.07
205-99-2	Benzo(b)fluoranthene	U	0.08	1.0	0.2	0.2	0.08
207-08-9	Benzo(k)fluoranthene	U	0.1	1.0	0.2	0.2	0.1
50-32-8	Benzo(a)pyrene	U	0.05	1.0	0.2	0.2	0.05
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.10	1.0	0.2	0.2	0.10
191-24-2	Benzo(g,h,i)perylene	U	0.08	1.0	0.2	0.2	0.08
53-70-3	Dibenzo(a,h)anthracene	U	0.1	1.0	0.2	0.2	0.1
7297-45-2	2-Methylnaphthalene-d10		74%				
81103-79-9	Fluorene-d10		77%				
1718-52-1	Pyrene-d10		81%				

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date: 11/06/06
Received Date: 11/07/06
Extraction Date: 11/10/06
Analysis Date: 14-NOV-2006 14:56
Report Date: 11/20/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6011-1
Client ID: PT10-GW-MW01S-11060
SDG: CTO33-6
Extracted by: GN
Extraction Method: SW846 3510
Analyst: LRS
Analysis Method: SW846 8082
Lab Prep Batch: WG34004
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	0.38	1.0	0.50	0.50	0.38
11104-28-2	Aroclor-1221	U	0.16	1.0	0.50	0.50	0.16
11141-16-5	Aroclor-1232	U	0.26	1.0	0.50	0.50	0.26
53469-21-9	Aroclor-1242	U	0.20	1.0	0.50	0.50	0.20
12672-29-6	Aroclor-1248	U	0.18	1.0	0.50	0.50	0.18
11097-69-1	Aroclor-1254	U	0.24	1.0	0.50	0.50	0.24
11096-82-5	Aroclor-1260	U	0.25	1.0	0.50	0.50	0.25
877-09-8	Tetrachloro-m-xylene		J 47%				
2051-24-3	Decachlorobiphenyl		50%				

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date: 11/06/06
Received Date: 11/07/06
Extraction Date: 11/14/06
Analysis Date: 16-NOV-2006 11:00
Report Date: 11/20/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6011-1RE
Client ID: PT10-GW-MW01S-11060
SDG: CTO33-6
Extracted by: GN
Extraction Method: SW846 3520
Analyst: LRS
Analysis Method: SW846 8082
Lab Prep Batch: WG34118
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	0.38	1.0	0.50	0.50	0.38
11104-28-2	Aroclor-1221	U	0.16	1.0	0.50	0.50	0.16
11141-16-5	Aroclor-1232	U	0.26	1.0	0.50	0.50	0.26
53469-21-9	Aroclor-1242	U	0.20	1.0	0.50	0.50	0.20
12672-29-6	Aroclor-1248	U	0.18	1.0	0.50	0.50	0.18
11097-69-1	Aroclor-1254	U	0.24	1.0	0.50	0.50	0.24
11096-82-5	Aroclor-1260	U	0.25	1.0	0.50	0.50	0.25
877-09-8	Tetrachloro-m-xylene		79%				
2051-24-3	Decachlorobiphenyl		59%				

KATAHDIN ANALYTICAL SERVICES

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date: 11/06/06
Received Date: 11/07/06
Extraction Date: 11/10/06
Analysis Date: 14-NOV-2006 15:24
Report Date: 11/20/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6011-2
Client ID: PT08-GW-MW22S-11060
SDG: CTO33-6
Extracted by: GN
Extraction Method: SW846 3510
Analyst: LRS
Analysis Method: SW846 8082
Lab Prep Batch: WG34004
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	0.38	1.0	0.50	0.50	0.38
11104-28-2	Aroclor-1221	U	0.16	1.0	0.50	0.50	0.16
11141-16-5	Aroclor-1232	U	0.26	1.0	0.50	0.50	0.26
53469-21-9	Aroclor-1242	U	0.20	1.0	0.50	0.50	0.20
12672-29-6	Aroclor-1248	U	0.18	1.0	0.50	0.50	0.18
11097-69-1	Aroclor-1254	U	0.24	1.0	0.50	0.50	0.24
11096-82-5	Aroclor-1260	U	0.25	1.0	0.50	0.50	0.25
877-09-8	Tetrachloro-m-xylene		65%				
2051-24-3	Decachlorobiphenyl		65%				

KATAHDIN ANALYTICAL SERVICES

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date: 11/06/06
Received Date: 11/07/06
Extraction Date: 11/14/06
Analysis Date: 16-NOV-2006 11:29
Report Date: 11/20/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6011-2RE
Client ID: PT08-GW-MW22S-11060
SDG: CTO33-6
Extracted by: GN
Extraction Method: SW846 3520
Analyst: LRS
Analysis Method: SW846 8082
Lab Prep Batch: WG34118
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	0.38	1.0	0.50	0.50	0.38
11104-28-2	Aroclor-1221	U	0.16	1.0	0.50	0.50	0.16
11141-16-5	Aroclor-1232	U	0.26	1.0	0.50	0.50	0.26
53469-21-9	Aroclor-1242	U	0.20	1.0	0.50	0.50	0.20
12672-29-6	Aroclor-1248	U	0.18	1.0	0.50	0.50	0.18
11097-69-1	Aroclor-1254	U	0.24	1.0	0.50	0.50	0.24
11096-82-5	Aroclor-1260	U	0.25	1.0	0.50	0.50	0.25
877-09-8	Tetrachloro-m-xylene		77%				
2051-24-3	Decachlorobiphenyl		58%				

KATAHDIN ANALYTICAL SERVICES

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date: 11/06/06
Received Date: 11/07/06
Extraction Date: 11/10/06
Analysis Date: 14-NOV-2006 15:53
Report Date: 11/20/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6011-3
Client ID: PT08-GW-MW21S-11060
SDG: CTO33-6
Extracted by: GN
Extraction Method: SW846 3510
Analyst: LRS
Analysis Method: SW846 8082
Lab Prep Batch: WG34004
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	0.38	1.0	0.50	0.50	0.38
11104-28-2	Aroclor-1221	U	0.16	1.0	0.50	0.50	0.16
11141-16-5	Aroclor-1232	U	0.26	1.0	0.50	0.50	0.26
53469-21-9	Aroclor-1242	U	0.20	1.0	0.50	0.50	0.20
12672-29-6	Aroclor-1248	U	0.18	1.0	0.50	0.50	0.18
11097-69-1	Aroclor-1254	U	0.24	1.0	0.50	0.50	0.24
11096-82-5	Aroclor-1260	U	0.25	1.0	0.50	0.50	0.25
877-09-8	Tetrachloro-m-xylene		59%				
2051-24-3	Decachlorobiphenyl		49%				

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date: 11/06/06
Received Date: 11/07/06
Extraction Date: 11/14/06
Analysis Date: 16-NOV-2006 11:57
Report Date: 11/20/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6011-3RE
Client ID: PT08-GW-MW21S-11060
SDG: CTO33-6
Extracted by: GN
Extraction Method: SW846 3520
Analyst: LRS
Analysis Method: SW846 8082
Lab Prep Batch: WG34118
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	0.38	1.0	0.50	0.50	0.38
11104-28-2	Aroclor-1221	U	0.16	1.0	0.50	0.50	0.16
11141-16-5	Aroclor-1232	U	0.26	1.0	0.50	0.50	0.26
53469-21-9	Aroclor-1242	U	0.20	1.0	0.50	0.50	0.20
12672-29-6	Aroclor-1248	U	0.18	1.0	0.50	0.50	0.18
11097-69-1	Aroclor-1254	U	0.24	1.0	0.50	0.50	0.24
11096-82-5	Aroclor-1260	U	0.25	1.0	0.50	0.50	0.25
877-09-8	Tetrachloro-m-xylene		82%				
2051-24-3	Decachlorobiphenyl		66%				

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date: 11/06/06
Received Date: 11/07/06
Extraction Date: 11/10/06
Analysis Date: 14-NOV-2006 16:21
Report Date: 11/20/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6011-4
Client ID: PT09-GW-MW06S-11060
SDG: CTO33-6
Extracted by: GN
Extraction Method: SW846 3510
Analyst: LRS
Analysis Method: SW846 8082
Lab Prep Batch: WG34004
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	0.38	1.0	0.50	0.50	0.38
11104-28-2	Aroclor-1221	U	0.16	1.0	0.50	0.50	0.16
11141-16-5	Aroclor-1232	U	0.26	1.0	0.50	0.50	0.26
53469-21-9	Aroclor-1242	U	0.20	1.0	0.50	0.50	0.20
12672-29-6	Aroclor-1248	U	0.18	1.0	0.50	0.50	0.18
11097-69-1	Aroclor-1254	U	0.24	1.0	0.50	0.50	0.24
11096-82-5	Aroclor-1260	U	0.25	1.0	0.50	0.50	0.25
877-09-8	Tetrachloro-m-xylene		59%				
2051-24-3	Decachlorobiphenyl		56%				

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date: 11/06/06
Received Date: 11/07/06
Extraction Date: 11/14/06
Analysis Date: 16-NOV-2006 12:25
Report Date: 11/20/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6011-4RE
Client ID: PT09-GW-MW06S-11060
SDG: CTO33-6
Extracted by: GN
Extraction Method: SW846 3520
Analyst: LRS
Analysis Method: SW846 8082
Lab Prep Batch: WG34118
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	0.40	1.0	0.50	0.50	0.40
11104-28-2	Aroclor-1221	U	0.17	1.0	0.50	0.50	0.17
11141-16-5	Aroclor-1232	U	0.28	1.0	0.50	0.50	0.28
53469-21-9	Aroclor-1242	U	0.21	1.0	0.50	0.50	0.21
12672-29-6	Aroclor-1248	U	0.19	1.0	0.50	0.50	0.19
11097-69-1	Aroclor-1254	U	0.25	1.0	0.50	0.50	0.25
11096-82-5	Aroclor-1260	U	0.27	1.0	0.50	0.50	0.27
877-09-8	Tetrachloro-m-xylene		76%				
2051-24-3	Decachlorobiphenyl		58%				

KATAHDIN ANALYTICAL SERVICES

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date: 11/07/06
Received Date: 11/08/06
Extraction Date: 11/14/06
Analysis Date: 16-NOV-2006 12:54
Report Date: 11/20/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6039-1RE
Client ID: PT09-GW-MW06S-11070
SDG: CTO33-6
Extracted by: GN
Extraction Method: SW846 3520
Analyst: LRS
Analysis Method: SW846 8082
Lab Prep Batch: WG34118
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	0.38	1.0	0.50	0.50	0.38
11104-28-2	Aroclor-1221	U	0.16	1.0	0.50	0.50	0.16
11141-16-5	Aroclor-1232	U	0.26	1.0	0.50	0.50	0.26
53469-21-9	Aroclor-1242	U	0.20	1.0	0.50	0.50	0.20
12672-29-6	Aroclor-1248	U	0.18	1.0	0.50	0.50	0.18
11097-69-1	Aroclor-1254	U	0.24	1.0	0.50	0.50	0.24
11096-82-5	Aroclor-1260	U	0.25	1.0	0.50	0.50	0.25
877-09-8	Tetrachloro-m-xylene		76%				
2051-24-3	Decachlorobiphenyl		44%				

KATAHDIN ANALYTICAL SERVICES

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date: 11/07/06
Received Date: 11/08/06
Extraction Date: 11/14/06
Analysis Date: 16-NOV-2006 13:22
Report Date: 11/20/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6039-2RE
Client ID: PT09-GW-MW04S-11070
SDG: CTO33-6
Extracted by: GN
Extraction Method: SW846 3520
Analyst: LRS
Analysis Method: SW846 8082
Lab Prep Batch: WG34118
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	0.38	1.0	0.50	0.50	0.38
11104-28-2	Aroclor-1221	U	0.16	1.0	0.50	0.50	0.16
11141-16-5	Aroclor-1232	U	0.26	1.0	0.50	0.50	0.26
53469-21-9	Aroclor-1242	U	0.20	1.0	0.50	0.50	0.20
12672-29-6	Aroclor-1248	U	0.18	1.0	0.50	0.50	0.18
11097-69-1	Aroclor-1254	U	0.24	1.0	0.50	0.50	0.24
11096-82-5	Aroclor-1260	U	0.25	1.0	0.50	0.50	0.25
877-09-8	Tetrachloro-m-xylene		76%				
2051-24-3	Decachlorobiphenyl		48%				

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date: 11/07/06
Received Date: 11/08/06
Extraction Date: 11/14/06
Analysis Date: 16-NOV-2006 13:50
Report Date: 11/20/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6039-3RE
Client ID: PT09-GW-MW05S-11070
SDG: CTO33-6
Extracted by: GN
Extraction Method: SW846 3520
Analyst: LRS
Analysis Method: SW846 8082
Lab Prep Batch: WG34118
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	0.38	1.0	0.50	0.50	0.38
11104-28-2	Aroclor-1221	U	0.16	1.0	0.50	0.50	0.16
11141-16-5	Aroclor-1232	U	0.26	1.0	0.50	0.50	0.26
53469-21-9	Aroclor-1242	U	0.20	1.0	0.50	0.50	0.20
12672-29-6	Aroclor-1248	U	0.18	1.0	0.50	0.50	0.18
11097-69-1	Aroclor-1254	U	0.24	1.0	0.50	0.50	0.24
11096-82-5	Aroclor-1260	U	0.25	1.0	0.50	0.50	0.25
877-09-8	Tetrachloro-m-xylene		82%				
2051-24-3	Decachlorobiphenyl		74%				

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date: 11/07/06
Received Date: 11/08/06
Extraction Date: 11/14/06
Analysis Date: 16-NOV-2006 14:18
Report Date: 11/20/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6039-4RE
Client ID: PT09-GW-RB01-110706
SDG: CTO33-6
Extracted by: GN
Extraction Method: SW846 3520
Analyst: LRS
Analysis Method: SW846 8082
Lab Prep Batch: WG34118
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	0.38	1.0	0.50	0.50	0.38
11104-28-2	Aroclor-1221	U	0.16	1.0	0.50	0.50	0.16
11141-16-5	Aroclor-1232	U	0.26	1.0	0.50	0.50	0.26
53469-21-9	Aroclor-1242	U	0.20	1.0	0.50	0.50	0.20
12672-29-6	Aroclor-1248	U	0.18	1.0	0.50	0.50	0.18
11097-69-1	Aroclor-1254	U	0.24	1.0	0.50	0.50	0.24
11096-82-5	Aroclor-1260	U	0.25	1.0	0.50	0.50	0.25
877-09-8	Tetrachloro-m-xylene		70%				
2051-24-3	Decachlorobiphenyl		50%				

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date: 11/07/06
Received Date: 11/08/06
Extraction Date: 11/10/06
Analysis Date: 21-NOV-2006 02:25
Report Date: 11/27/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6039-5
Client ID: PT11-GW-MW05S-11070
SDG: CTO33-6
Extracted by: GN
Extraction Method: SW846 3510
Analyst: JLP
Analysis Method: SW846 M8015
Lab Prep Batch: WG34022
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Petroleum Range Organics	J	570	1.0	500	500	230
	n-Triacontane-D62		133%				
	O-Terphenyl		126%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date: 11/07/06
Received Date: 11/08/06
Extraction Date: 11/10/06
Analysis Date: 21-NOV-2006 03:40
Report Date: 11/27/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6039-6
Client ID: PT11-GW-RB02-110706
SDG: CTO33-6
Extracted by: GN
Extraction Method: SW846 3510
Analyst: JLP
Analysis Method: SW846 M8015
Lab Prep Batch: WG34022
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Petroleum Range Organics	IJ	290	1.0	500	500	230
	n-Triacontane-D62		129%				
	O-Terphenyl		121%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date: 11/08/06
Received Date: 11/09/06
Extraction Date: 11/10/06
Analysis Date: 21-NOV-2006 04:56
Report Date: 11/27/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6081-1
Client ID: PT51-GW-MW01S-11080
SDG: CTO33-6
Extracted by: GN
Extraction Method: SW846 3510
Analyst: JLP
Analysis Method: SW846 M8015
Lab Prep Batch: WG34022
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Petroleum Range Organics	J	4700	1.0	500	510	230
	n-Triacontane-D62		168%				
	O-Terphenyl		J161%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date: 11/08/06
Received Date: 11/09/06
Extraction Date: 11/10/06
Analysis Date: 21-NOV-2006 18:52
Report Date: 11/27/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6081-2DL
Client ID: PT51-GW-MW02S-11080
SDG: CTO33-6
Extracted by: GN
Extraction Method: SW846 3510
Analyst: JLP
Analysis Method: SW846 M8015
Lab Prep Batch: WG34022
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Petroleum Range Organics	J	12000	5.0	500	2600	1200
	n-Triacontane-D62		172%				
	O-Terphenyl		J161%				

KATAHDIN ANALYTICAL SERVICES

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date: 11/08/06
Received Date: 11/09/06
Extraction Date: 11/10/06
Analysis Date: 21-NOV-2006 07:27
Report Date: 11/27/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6081-3
Client ID: PT51-GW-MW03S-11080
SDG: CTO33-6
Extracted by: GN
Extraction Method: SW846 3510
Analyst: JLP
Analysis Method: SW846 M8015
Lab Prep Batch: WG34022
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Petroleum Range Organics	J	2400	1.0	500	510	230
	n-Triacontane-D62		138%				
	O-Terphenyl		134%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date: 11/08/06
Received Date: 11/09/06
Extraction Date: 11/10/06
Analysis Date: 21-NOV-2006 08:42
Report Date: 11/27/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6081-4
Client ID: MPTS1-RB03-110806
SDG: CTO33-6
Extracted by: GN
Extraction Method: SW846 3510
Analyst: JLP
Analysis Method: SW846 M8015
Lab Prep Batch: WG34022
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Petroleum Range Organics	IJ	410	1.0	500	500	210
	n-Triacontane-D62		126%				
	O-Terphenyl		119%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date: 11/08/06
Received Date: 11/09/06
Extraction Date: 11/10/06
Analysis Date: 21-NOV-2006 20:08
Report Date: 11/27/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6081-5DL
Client ID: PT07-GW-TW01S-11080
SDG: CTO33-6
Extracted by: GN
Extraction Method: SW846 3510
Analyst: JLP
Analysis Method: SW846 M8015
Lab Prep Batch: WG34022
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Petroleum Range Organics	J	8700	5.0	500	2600	1200
	n-Triacontane-D62		J257%				
	O-Terphenyl		J232%				

KATAHDIN ANALYTICAL SERVICES

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date: 11/08/06
Received Date: 11/09/06
Extraction Date: 11/10/06
Analysis Date: 21-NOV-2006 21:23
Report Date: 11/27/2006
Matrix: WATER
% Solids: NA

Lab ID: WW6081-6
Client ID: PT08-GW-MW12S-11080
SDG: CTO33-6
Extracted by: GN
Extraction Method: SW846 3510
Analyst: JLP
Analysis Method: SW846 M8015
Lab Prep Batch: WG34022
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Petroleum Range Organics	U	230	1.0	500	510	230
	n-Triacontane-D62		111%				
	O-Terphenyl		110%				

APPENDIX C

SUPPORT DOCUMENTATION

SDG NARRATIVE
KATAHDIN ANALYTICAL SERVICES
TETRA TECH NUS
CASE CTO 0033 NAVSTA MAYPORT
SDG: CTO33-6
WW6011, WW6039, WW6081

Sample Receipt

The following samples were received on November 7, 8 and 9, 2006 and were logged in under Katahdin Analytical Services work order numbers WW6011, WW6039 and WW6081 for a hardcopy due date of November 28, 2006.

KATAHDIN Sample No.	TTNUS Sample Identification
WW6011-1	MPT10-GW-MW01S-11060
WW6011-2	MPT08-GW-MW22S-11060
WW6011-3	MPT08-GW-MW21S-11060
WW6011-4	MPT09-GW-MW06S-11060
WW6011-5	TRIP BLANK
WW6039-1	MPT09-GW-MW06S-11070
WW6039-2	MPT09-GW-MW04S-11070
WW6039-3	MPT09-GW-MW05S-11070
WW6039-4	MPT09-GW-RB01-110706
WW6039-5	MPT11-GW-MW05S-11070
WW6039-6	MPT11-GW-RB02-110706
WW6039-7	TRIP BLANK
WW6081-1	MPT51-GW-MW01S-11080
WW6081-2	MPT51-GW-MW02S-11080
WW6081-3	MPT51-GW-MW03S-11080
WW6081-4	MPT51-GW-RB03-110806
WW6081-5	MPT07-GW-TW01S-11080
WW6081-6	MPT08-GW-MW12S-11080

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

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

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

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

Organics Analysis

The samples of SDG CTO33-6 were analyzed in accordance with "Test Methods for Evaluating Solid Wastes: Physical/Chemical Methods." SW-846, 2nd edition, 1982 (revised 1984), 3rd edition, 1986, and Updates I, II, IIA, and III 1996, Office of Solid Waste and Emergency Response and/or Method for Determination of Petroleum Range Organics (Method #FL-PRO), Florida Department of Environmental Protection, November 1, 1995 for the specific methods listed below or on the Report of Analysis. Some manual integrations may have been performed due to split peaks and/or corrected baselines. All have been flagged with an "M" (software-generated) on the pertinent quantitation reports.

All samples with the exception of WW6011-5, WW6039-7, and WW6081-4 exceed the 19-character limit of the Katahdin Analytical Services' organics forms processing system. Therefore, the first character ("M") in the client ID for these samples was omitted on all forms.

8260B Analysis

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

The initial calibration analyzed on the F instrument on 11/06/06 had a %RSD value for acetone that exceeded the method acceptance limit of 15%. Although the %RSD is greater than 15%, acetone was calibrated with the average model since this calibration model is more accurate for this analyte at concentrations near the PQL than either the linear or quadratic calibration models.

8270C Appendix IX Analysis

The reported percent recovery acceptance limits for the Laboratory Control Samples (LCSs) are statistically derived for the full list of spiked compounds. The recoveries of the spiked analytes in the LCS, Matrix Spike (MS) and Matrix Spike Duplicate (MSD) are compared to these acceptance limits. Katahdin standard operating procedure is not to take corrective action until greater than ten percent of the spiked analytes (with the exception of the common laboratory phthalate ester contaminants) in the LCS are outside of the QC limits. If the associated MS/MSD have greater than ten percent of the spiked analytes outside of the QC limits, no corrective action is taken, as long the LCS is acceptable.

* The spiked analytes α,α-dimethylphenethylamine, p-phenylenediamine, 1,4-naphthoquinone, dimethoate, aramite and chlorobenzilate had no recoveries in the LCS and LCSD. All of these analytes are additional appendix IX analytes which often times have poor recoveries due the chemical nature of the analytes.

The initial calibration analyzed on 09/22/06 had %RSD values for several analytes that exceeded the method acceptance limit of 15%. For these analytes, a linear model was used for quantitation instead of an average response factor. The analytes 3,3'-dichlorobenzidine, 1,4-naphthoquinone and 4-nitro-quinoline-1-oxide failed for both the linear and quadratic models in the initial calibration curve due to the correlation coefficient being less than the method acceptance criteria of 0.990. These compounds were calibrated using the average model. Since these analytes were not detected above the MDL for any of the associated samples and all other QC criteria were met, the associated samples were not reanalyzed.

The target analyte hexachlorophene is included in the calibration standard mix. However, hexachlorophene could not be calibrated by method 8270C because it is unstable in the calibration standard and is therefore not detectable by GC/MS. Since there were no responses for this analyte in the initial calibration standards and the calibration verification standards, there are no data points reported for these compounds on the Form 6 and Form 7 and there are no recoveries in the LCS and LCSD. As a result, quantitation of this analyte in the samples was not possible. However, the chromatogram has been searched for specific ions and the spectrum has been evaluated for the presence of hexachlorophene. This analyte was not detected in the samples.

The calibration verification standard (CV) (file U6027) had a high response for the calibration check compound (CCC) di-n-octylphthalate, which resulted in a %D that was outside the method acceptance limit of 20%. Since a high response would indicate a high bias and this target analyte was not detected above the PQL in the samples, the samples were not reanalyzed.

The method blank WG33955-1 and sample WW6011-3 had low recoveries for one surrogate, which were outside the laboratory established acceptance limits. Since the associated LCS and LCSD also had low recoveries for the same surrogate and all of the spiked target analytes had acceptable recoveries in the LCS/LCSD with the exception of the problematic appendix IX analytes, the sample was not reextracted.

8270C SIM Analysis

The reported percent recovery acceptance limits for the Laboratory Control Samples (LCSs) are nominal limits for the full list of spiked compounds. The recoveries of the spiked analytes in the LCS, Matrix Spike (MS) and Matrix Spike Duplicate (MSD) are compared to these acceptance limits. Katahdin standard operating procedure is not to take corrective action until greater than ten percent of the spiked analytes (with the exception of the common laboratory phthalate ester contaminants) in the LCS are outside of the QC limits. If the associated MS/MSD have greater than ten percent of the spiked analytes outside of the QC limits, no corrective action is taken, as long the LCS is acceptable.

The LCS had a high recovery for the spiked analyte benzo (b) fluoranthene. This was due to an analyst inadvertently adding the appendix IX spike mix to the LCS before extracting. Evidently, an analyte in this mix interferes with the analyte benzo (b) fluoranthene.

The laboratory method blank WG33956-1 and the LCSD WG33956-3 had low recoveries for one surrogate, which were outside the laboratory established acceptance limits. All of the spiked

target analytes, except benzo (b) fluoranthene, in the associated LCS/LCSD had acceptable recoveries. The client was notified and informed the laboratory to proceed with narration.

8082 Analysis

The method blank WG34004-1, the laboratory control samples WG34004-2 and 3 had low recoveries for the extraction surrogate TCX on both channels, which were outside of the laboratory established acceptance limits. The LCS and LCSD also had low recoveries for Aroclor 1016 and the LCSD had a low recovery for Aroclor 1260, which were outside of the laboratory established acceptance limits. The associated samples WW6011-1 through 4 were reextracted one day out of hold time. Both analyses are included in the report. The associated samples WW6039-1 through 4 were reextracted within hold time. Only the reextract analysis is included in the report.

Samples WW6011-3 and 4 had low recoveries for the extraction surrogate TCX on channel A, which were outside of the laboratory established acceptance limits. These samples were reextracted for the reason mentioned above.

The CVs (files 6WK3024, 6WK4024, 6WK3100 and 6WK4100) had high responses for DCB on both channels, which resulted in %D's that were outside of the method acceptance limits of 15%. Since the recoveries for DCB in all associated samples were within the acceptance limits, the associated samples were not reanalyzed.

The CV (files 6WK3049 and 6WK4049) had high responses for DCB on both channels and a low response for TCX on channel A, which resulted in %D's that were outside of the method acceptance limits of 15%. Since the recoveries for DCB in all associated samples were within the acceptance limits and TCX was within the acceptance limits on the confirmation channel, the associated samples were not reanalyzed.

The Form 7 for the CV (file 6WK4049) is flagged for the surrogate, TCX on channel B, indicating that the %D is greater than the method acceptance limit of 15%. The %D is actually within the method acceptance limits and should not be flagged, but due to software limitations the flagging could not be removed.

The Form 7 for the CV (files 6WK3122 and 6WK4122) is flagged for the surrogates TCX and DCB on both channels, indicating that the %D's are greater than the method acceptance limit of 15%. The %D's are actually within the method acceptance limits and should not be flagged, but due to software limitations the flagging could not be removed.

8011 Analysis

There were no protocol deviations or observations noted by the organics laboratory staff for this analysis.

FL-PRO Analysis

The method blank WG34022-1, LCSD WG34022-3 and samples WW6081-1 and 2 had high recoveries for the surrogate o-terphenyl, which were outside of the method acceptance limits.

Sample WW6081-5 had high recoveries for both surrogates o-terphenyl and n-triacontane-D_{62}, which were outside of the method acceptance limits. The client was notified and informed the laboratory to proceed with narration.

The LCS WG34022-2 and LCSD WG34022-3 had high recoveries for the PRO range that were outside of the method acceptance limits. The client was notified and informed the laboratory to proceed with narration.

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

Metals Analysis

The samples of SDG CTO33-6 were prepared and analyzed for metals in accordance with the "Test Methods for Evaluating Aqueous Waste", SW-846, November 1986, Third Edition.

Inductively-Coupled Plasma (ICP) Atomic Emission Spectroscopic Analysis

Aqueous-matrix Katahdin Sample Nos. WW6011- (1-4) and WW6039- (1-4) were digested for ICP analysis on 11/22/06 (QC Batch WK22ICW2) in accordance with USEPA Method 3010B. Katahdin Sample No. WW6039-4 was prepared with duplicate matrix-spiked aliquots.

ICP analyses of the SDG CTO33-6 sample digestates were performed using a Thermo Jarrell Ash (TJA) Trace ICP spectrometer and a TJA ICAP 61E ICP spectrometer in accordance with USEPA Method 6010B. All samples were analyzed within holding times and all analytical run QC criteria were met, with the following comments or exceptions:

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

The CCV analyzed at 23:23 on 11/22/06 (BWK22A) was above the laboratory's acceptance limit for cadmium. Since this indicated a high bias, only sample results less than the laboratory's PQL were reported.

The CRI analyzed at 23:25 on 11/27/06 (AWK27B) was outside the laboratory's acceptance limit for selenium. A CRI is not required for USEPA Method 6010B and the results were reported.

The PQL standard analyzed at 16:53 on 11/22/06 (BWK22A) was outside the laboratory's acceptance limits for calcium. A 100 ppb standard for calcium was analyzed immediately following and was within the laboratory's acceptance limits (50%-150% recovery of true value). Calcium results accepted from this run refer to 100 ppb as the PQL.

The CCB analyzed at 17:29 on 11/22/06 (BWK22A) was above the laboratory's acceptance limit for calcium and magnesium. Since this indicated a high bias, sample results greater than ten times the failed blank or less than the PQL were reported.

Analysis of Mercury by Cold Vapor Atomic Absorption (CVAA)

Aqueous-matrix Katahdin Sample Nos. WW6011- (1-4) and WW6039- (1-4) were digested for mercury analysis on 11/21/06 (QC Batch WK21HGW0) in accordance with USEPA Method 7471.

Mercury analyses of SDG CTO33-6 sample digestates were performed in accordance with USEPA Method 7471 using a Cetac M6100 automated mercury analyzer. All samples were analyzed within holding times and all analytical run QC criteria were met.

Matrix QC Summary

The recoveries for all analytes in the matrix-spiked aliquots of Katahdin Sample No. WW6039-4 were within the laboratory's acceptance limits (75% - 125% recovery of the added element, if the native concentration is less than four times the amount added).

The matrix-spike duplicate analyses of Katahdin Sample No. WW6039-4 are within the laboratory's acceptance limits (<20% relative difference between duplicate matrix-spiked aliquots) for all analytes.

The serial dilution analyses of Katahdin Sample Nos. WW6039-4 are within the laboratory's acceptance limit (<10% relative percent difference, if the concentration in the original sample is greater than 50 times the IDL) for all analytes.

Wet Chemistry Analysis

The samples of SDG CTO33-6 were analyzed in accordance with the specific methods listed on the Report of Analysis.

Analyses for cyanide were performed according to "U.S. EPA Contract Laboratory Program Statement of Work for Inorganic Analysis", SOW ILM04.0.

All Wet Chemistry results were evaluated to Katahdin Analytical Services' Method Detection Limits (MDL). Measured concentrations that fall between the MDL and Katahdin's Practical Quantitation Limit (PQL) are flagged "J". Measured concentrations that are below the MDL are flagged "U" and reported as "U PQL", where "PQL" is the numerical value of the Practical Quantitation Limit.

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

Subcontracted Analysis

Analyses for Sulfide were performed by a subcontract laboratory. Please refer to the section of the data package titled Subcontracted Data.

Katahdin
ANALYTICAL SERVICES

Cert. No. E87604

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

Leslie Dimond
11.30.06

Leslie Dimond
Quality Assurance Officer

WW6011

TETRA TECH NUS, INC.

CHAIN OF CUSTODY

NUMBER 2373

PROJECT NO: 112G00436	FACILITY: NS MAYPORT	PROJECT MANAGER: Shina Ballard	PHONE NUMBER: (904) 636-6125
SAMPLERS (SIGNATURE)		FIELD OPERATIONS LEADER: Terry Cottenoir	PHONE NUMBER: (904) 636-6125
		CARRIER/WAYBILL NUMBER: FedEx AIRBILLS 8427 1827 1199, 8427 1827 1203	

LABORATORY NAME AND CONTACT: KATAHDIN / ANDREA COLBY

ADDRESS: 340 COUNTY ROAD No. 5

CITY, STATE: WESTBROOK, ME 04092

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

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

PRESERVATIVE USED: HCl, NONE, NONE, NaOH, ZnAc, HNO3

TYPE OF ANALYSIS: VOA, SVOA, PCBs, Cyanide, Sulfide, Metals

DATE YEAR 2006	TIME	SAMPLE ID	LOCATION ID	TOP DEPTH (FT)	BOTTOM DEPTH (FT)	MATRIX (GW, SO, SW, SD, QC, ETC.)	COLLECTION METHOD GRAB (G) COMP (C)	No. OF CONTAINERS	VOA	SVOA	PCBs	Cyanide	Sulfide	Metals			COMMENTS
11/06	1050	MPT10-GW-MW015-110606				GW	G	10	3	2	2	1	1	1			Cool To 4°C
	1245	MPT08-GW-MW225-110606				↓	↓	↓	↓	↓	↓	↓	↓	↓			
	1425	MPT08-GW-MW215-110606				↓	↓	↓	↓	↓	↓	↓	↓	↓			Job #:
	1533	MPT09-GW-MW065-110606				↓	↓	↓	↓	↓	↓	↓	↓	↓			CTO 33
																	MAYPORT
																	Parameter:
																	Appendix IX VOC
																	Appendix IX SVOC
																	Appendix IX Metal

1. RELINQUISHED BY: Jonathan Foster	DATE: 11-06-06	TIME	1. RECEIVED BY	DATE: 11/07/06	TIME: 0900
2. RELINQUISHED BY	DATE	TIME	2. RECEIVED BY	DATE	TIME
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE	TIME

COMMENTS

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

4/02R

WW6039

TETRA TECH NUS, INC.

CHAIN OF CUSTODY | NUMBER 2374 | PAGE 1 OF 1

PROJECT NO:	FACILITY:	PROJECT MANAGER	PHONE NUMBER	LABORATORY NAME AND CONTACT:
1126D	NS MAYPORT	Shing Ballard	(904) 636-6125	Katahdin Analytical Services Andrea Colby
SAMPLERS (SIGNATURE)		FIELD OPERATIONS LEADER	PHONE NUMBER	ADDRESS
		Terry Cottenoir	(904) 636-6125	340 County Road No. 5
		CARRIER/WAYBILL NUMBER		CITY, STATE
		Fed Ex: 8549 7858 3335 8427 1827 1214 8427 1827 1225		Westbrook, ME 04092

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

DATE YEAR 2006	TIME	SAMPLE ID	LOCATION ID	TOP DEPTH (FT)	BOTTOM DEPTH (FT)	MATRIX (GW, SO, SW, SD, QC, ETC.)	COLLECTION METHOD GRAB (G) COMP (C)	No. OF CONTAINERS	VOA	SVOA	PCBs	Cyanide	Sulfide	Metals	VOA+MBTEX	EDB	TRPH	PAH	COMMENTS
CONTAINER TYPE PLASTIC (P) or GLASS (G)									G	G	G	P	P	P	G	G	G	G	
PRESERVATIVE USED									HCl	None	None	NaOH	ZnAc	HNO3	HCl	HCl	HCl	None	
11/7	0955	MPT09-GW-MW067-110706				GW	G	10	3	2	2	1	1	1					Cool to 4°
	1110	MPT09-GW-MW095-110706						10	3	2	2	1	1	1					Appx IX VOC, SVOC,
	1207	MPT09-GW-MW055-110706						10	3	2	2	1	1	1					Metals & Sulfide
	1300	MPT09-GW-RB01-110706				QC		10	3	2	2	1	1	1					Cyanide,
	1410	MPT11-GW-MW058-110706				GW		9							3	2	2	2	
	1500	MPT11-GW-RB02-110706				QC		9							3	2	2	2	
10/26	0935	TRIP BLANK				QC		2	2										

1. RELINQUISHED BY Jonathan Foster	DATE 11-7-06	TIME 1800	1. RECEIVED BY	DATE 11/08/06	TIME 0925
2. RELINQUISHED BY	DATE	TIME	2. RECEIVED BY	DATE	TIME
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE	TIME
COMMENTS					

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WW6001

TETRA TECH NUS, INC.

CHAIN OF CUSTODY

NUMBER 110806

PAGE 1 OF 1

PROJECT NO:	FACILITY:	PROJECT MANAGER	PHONE NUMBER	LABORATORY NAME AND CONTACT:
112600436	NS Mayport	Shina Ballard	(904) 636-6125	Katahdin Analytical / Andrea Colby
SAMPLERS (SIGNATURE)		FIELD OPERATIONS LEADER: Terry Cottenoir	PHONE NUMBER: (904) 636-6125	ADDRESS: 340 County Rd
		CARRIER/WAYBILL NUMBER: 842718271155		CITY, STATE: Westbrook, ME 04092-1901

STANDARD TAT [X]
RUSH TAT [ ]
[ ] 24 hr. [ ] 48 hr. [ ] 72 hr. [ ] 7 day [ ] 14 day

DATE YEAR 2006	TIME	SAMPLE ID	LOCATION ID	TOP DEPTH (FT)	BOTTOM DEPTH (FT)	MATRIX (GW, SO, SW, SD, QC, ETC.)	COLLECTION METHOD GRAP (G) COMP (C)	No. OF CONTAINERS	TYPE OF ANALYSIS: PAH	TRPH	EDB	VOA + MBTEX					COMMENTS
CONTAINER TYPE PLASTIC (P) or GLASS (G)									G	G	G	G					
PRESERVATIVE USED									None	HCl	HCl	HCl					
11/8	0930	MPT51-GW-MW01S-110806				GW	G		2	2	2	3					Ice to 4°C
	1035	MPT51-GW-MW02S-110806				GW	G		2	2	2	3					
	1150	MPT51-GW-MW03S-110806				GW	G		2	2	2	3					
	1230	MPT51-RB03-110806				QC	G		2	2	2	3					
	1429	MPT07-GW-TW01S-110806				GW	G		2	2	2	3					
	1305	MPT08-GW-MW12S-110806				GW	G		2	2	2	3					

	DATE	TIME		DATE	TIME
1. RELINQUISHED BY Jonathan Foster	11-8-06	1630	1. RECEIVED BY	11/09/06	0945
2. RELINQUISHED BY	DATE	TIME	2. RECEIVED BY	DATE	TIME
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE	TIME

COMMENTS

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY) 4/02R

100000

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO 0033 NAVSTA MAYPORT SDG No.: CTO33-6

Instrument ID: GCMS-F Calibration Date(s): 11/06/06 11/06/06

Column: RTX-VMS ID: 0.18 (mm) Calibration Time(s): 1642 2234

LAB FILE ID: RF1: F3440 RF5: F3439 RF20: F3438
RF50: F3437 RF100: F3436 RF200: F3435

COMPOUND	RF1	RF5	RF20	RF50	RF100	RF200	CURVE	COEFFICENTS A0	COEFFICENTS A1	%RSD OR R^2	MAX %RSD OR R^2	
Dichlorodifluoromethane	0.518	0.523	0.462	0.543	0.518	0.539	AVRG		0.51695485	5.602	15.000	
Chloromethane	0.576	0.508	0.479	0.534	0.504	0.462	AVRG		0.51041392	7.942	15.000	
Vinyl chloride	0.550	0.496	0.467	0.541	0.525	0.486	AVRG		0.51070539	6.458	15.000	
Bromomethane	0.492	0.461	0.387	0.444	0.452	0.450	AVRG		0.44781934	7.625	15.000	
Chloroethane	0.350	0.329	0.272	0.314	0.309	0.346	AVRG		0.32015751	8.952	15.000	
Trichlorofluoromethane	1.183	1.127	0.996	1.196	1.131	1.174	AVRG		1.13457982	6.464	15.000	
1,1-Dichloroethene	0.510	0.474	0.468	0.497	0.478	0.468	AVRG		0.48249974	3.554	15.000	
Methylene Chloride	16210	44052	142920	394350	742360	1330300	LINR	-2.32e-002	1.79581778	0.99968	0.99000	
trans-1,2-Dichloroethene	0.601	0.535	0.514	0.559	0.531	0.520	AVRG		0.54341585	5.903	15.000	
1,1-Dichloroethane	0.995	0.909	0.863	0.998	0.903	0.866	AVRG		0.92224019	6.534	15.000	
Chloroform	1.186	1.080	1.011	1.160	1.122	1.105	AVRG		1.11074859	5.553	15.000	
1,1,1-Trichloroethane	0.996	0.963	0.898	1.035	0.994	0.978	AVRG		0.97740946	4.682	15.000	
1,2-Dichloroethane	0.960	0.822	0.716	0.785	0.729	0.765	AVRG		0.79624931	11.172	15.000	
Carbon Tetrachloride	0.735	0.675	0.606	0.691	0.666	0.689	AVRG		0.67698577	6.229	15.000	
Benzene	1.274	1.292	1.235	1.389	1.261	1.260	AVRG		1.28518998	4.196	15.000	
1,2-Dichloropropane	0.337	0.311	0.298	0.345	0.331	0.308	AVRG		0.32193466	5.789	15.000	
Trichloroethene	0.429	0.440	0.402	0.438	0.405	0.414	AVRG		0.42138917	3.960	15.000	
Dibromomethane	0.355	0.325	0.287	0.335	0.314	0.304	AVRG		0.32009924	7.433	15.000	
Bromodichloromethane	0.768	0.733	0.664	0.742	0.709	0.705	AVRG		0.72011360	4.996	15.000	
cis-1,3-dichloropropene	0.503	0.604	0.581	0.694	0.624	0.651	AVRG		0.60962848	10.687	15.000	
Toluene	0.667	0.799	0.783	0.858	0.828	0.820	AVRG		0.79286496	8.422	15.000	
trans-1,3-Dichloropropene	0.528	0.588	0.563	0.632	0.600	0.636	AVRG		0.59113870	6.988	15.000	
1,1,2-Trichloroethane	0.286	0.274	0.252	0.297	0.268	0.265	AVRG		0.27382604	5.824	15.000	
Dibromochloromethane	0.613	0.596	0.587	0.652	0.617	0.639	AVRG		0.61731320	3.965	15.000	
Tetrachloroethene	0.512	0.436	0.430	0.426	0.409	0.404	AVRG		0.43591056	9.002	15.000	
1,2-Dibromoethane	0.383	0.360	0.350	0.407	0.368	0.392	AVRG		0.37674811	5.704	15.000	
Chlorobenzene	1.271	1.090	1.027	1.152	1.039	1.063	AVRG		1.10701570	8.292	15.000	
1,1,1,2-Tetrachloroethane	0.583	0.482	0.455	0.505	0.476	0.510	AVRG		0.50180100	8.868	15.000	
Ethylbenzene	2.059	2.041	1.915	2.117	1.939	2.037	AVRG		2.01797966	3.796	15.000	
Bromoform	0.461	0.452	0.417	0.463	0.430	0.452	AVRG		0.44608382	4.137	15.000	
Styrene	7460	60917	289380	891990	1549000	3137400	LINR	3.395e-002	0.82255787	0.99705	0.99000	
1,1,2,2-Tetrachloroethane	0.754	0.800	0.766	0.927	0.805	0.727	AVRG		0.79669211	8.814	15.000	
1,2,3-Trichloropropane	0.718	0.739	0.693	0.769	0.666	0.643	AVRG		0.70466075	6.641	15.000	
1,2-Dibromo-3-Chloropropa	0.147	0.184	0.184	0.234	0.194	0.197	AVRG		0.18999593	14.672	15.000	
Acetone	0.288	0.207	0.194	0.222	0.187	0.174	AVRG		0.21210950	19.295	15.000	<-
2-Butanone	0.165	0.194	0.198	0.235	0.194	0.176	AVRG		0.19376234	12.376	15.000	
4-methyl-2-pentanone	13425	119090	562060	1614900	2730600	4615200	LINR	-0.2117276	3.26566848	0.99706	0.99000	
2-Hexanone	7482	81677	420360	1210900	1953800	3316500	LINR	-0.2956558	3.82529823	0.99455	0.99000	
m+p-Xylenes	0.520	0.653	0.587	0.689	0.662	0.678	AVRG		0.63154514	10.326	15.000	
o-Xylene	3575	32323	154770	483780	879490	1694800	LINR	0.00000000	1.52931174	0.99853	0.99000	
Vinyl Acetate	6181	53832	244940	838560	1523400	2670800	LINR	6.014e-003	1.12764043	0.99905	0.99000	
Carbon Disulfide	1.808	1.604	1.581	1.751	1.661	1.575	AVRG		1.66312125	5.818	15.000	
Acetonitrile	0.016	0.014	0.012	0.014	0.012	0.011	AVRG		1.328e-002	14.740	15.000	
Acrolein	0.032	0.039	0.041	0.044	0.044	0.041	AVRG		4.028e-002	11.788	15.000	

FORM VI VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO 0033 NAVSTA MAYPORT SDG No.: CTO33-6

Instrument ID: GCMS-F Calibration Date(s): 11/06/06 11/06/06

Column: RTX-VMS ID: 0.18 (mm) Calibration Time(s): 1642 2234

LAB FILE ID: RF1: F3440 RF5: F3439 RF20: F3438
RF50: F3437 RF100: F3436 RF200: F3435

COMPOUND	RF1	RF5	RF20	RF50	RF100	RF200	CURVE	COEFFICENTS A0	COEFFICENTS A1	%RSD OR R^2	MAX %RSD OR R^2
Acrylonitrile	4233	34018	156800	425570	741700	1248300	LINR	-0.2512892	9.44109786	0.99606	0.99000
Chloroprene	5699	48246	218000	631800	1226700	2196600	LINR	6.461e-003	1.07850387	0.99964	0.99000
Allyl Chloride	0.821	0.827	0.809	0.876	0.910	0.886	AVRG		0.85492263	4.815	15.000
1,4-Dioxane	1738	6775	23541	65415	106160	166080	LINR	-2.0900866	360.748587	0.99084	0.99000
Propionitrile	0.035	0.042	0.047	0.048	0.043	0.038	AVRG		4.227e-002	12.206	15.000
Ethyl Methacrylate	1712	20281	112270	357270	673250	1207100	LINR	2.062e-002	2.50078430	0.99968	0.99000
Iodomethane	5529	31806	146740	499740	1029400	2158100	LINR	8.952e-002	1.10644588	0.99541	0.99000
Isobutyl Alcohol	0.018	0.013	0.016	0.017	0.014	0.012	AVRG		1.519e-002	24.368	15.000
Methacrylonitrile	19198	168610	713310	1927000	3484400	6182100	LINR	-0.2021698	3.85977384	0.99921	0.99000
Methyl Methacrylate	1955	17095	105580	316800	584280	1073000	LINR	2.077e-002	2.82493394	0.99958	0.99000
Pentachloroethane	2447	17882	77425	235670	497470	970560	LINR	2.643e-002	1.65298428	0.99939	0.99000
trans-1,4-Dichloro-2-Bute	1290	11119	46228	138000	261770	510010	LINR	-1.82e-003	3.15801877	0.99955	0.99000
1,2,4-Trichlorobenzene	3596	28526	145520	494790	915620	1803500	LINR	1.225e-002	0.89037038	0.99912	0.99000
1,2-Dichlorobenzene	1.175	1.424	1.426	1.586	1.483	1.425	AVRG		1.42001530	9.525	15.000
1,3-Dichlorobenzene	1.470	1.573	1.437	1.682	1.573	1.516	AVRG		1.54212294	5.677	15.000
1,4-Dichlorobenzene	1.938	1.625	1.552	1.697	1.559	1.513	AVRG		1.64728684	9.483	15.000
cis-1,2-Dichloroethene	0.420	0.449	0.490	0.593	0.565	0.519	AVRG		0.50581207	13.120	15.000
Dibromofluoromethane	0.710	0.609	0.645	0.616	0.633	0.617	AVRG		0.63831194	5.857	15.000
1,2-Dichloroethane-D4	1.032	0.879	0.866	0.802	0.815	0.848	AVRG		0.87366895	9.480	15.000
Toluene-D8	1.016	1.084	1.209	1.133	1.122	1.123	AVRG		1.11439528	5.690	15.000
P-Bromofluorobenzene	0.398	0.432	0.510	0.496	0.548	0.560	AVRG		0.49058244	13.035	15.000

Average %RSD test result.

Calculate Average %RSD: 13.88754272
Maximum Average %RSD: 15.00000000

Note: Passes Average %RSD Test.

FORM VI VOA

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG34169-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0033 NAVSTA MAYPORT SDG No.: CTO33-6

Lab File ID: F3638 Lab Sample ID: WG34169-2

Date Analyzed: 11/15/06 Time Analyzed: 1357

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: GCMS-F

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

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	WG34169-LCS	WG34169-1	F3636	11/15/06	1242
02	TRIP BLANK	WW6039-7	F3640	11/15/06	1501
03	TRIP BLANK	WW6011-5	F3641	11/15/06	1533
04	PT10-GW-MW01S-11060	WW6011-1	F3642	11/15/06	1605
05	PT08-GW-MW22S-11060	WW6011-2	F3643	11/15/06	1637
06	PT08-GW-MW21S-11060	WW6011-3	F3644	11/15/06	1710
07	PT09-GW-MW06S-11060	WW6011-4	F3645	11/15/06	1742
08	PT09-GW-MW06S-11070	WW6039-1	F3646	11/15/06	1814
09	PT09-GW-MW04S-11070	WW6039-2	F3647	11/15/06	1846
10	PT09-GW-MW05S-11070	WW6039-3	F3648	11/15/06	1919
11	PT09-GW-RB01-110706	WW6039-4	F3649	11/15/06	1951
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COMMENTS:

FORM IV VOA

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 11/15/06
Report Date: 11/20/2006
Matrix: WATER

Lab ID: WG34169-1
Client ID: WG34169-LCS
SDG: CTO33-6
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG34169
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.		%REC.	QC. LIMITS
Dichlorodifluoromethane	50	NA	45		91	10-200
Chloromethane	50	NA	39		79	40-125
Vinyl chloride	50	NA	41		82	27-143
Bromomethane	50	NA	39		77	52-141
Chloroethane	50	NA	42		84	64-124
Trichlorofluoromethane	50	NA	53		106	63-153
Diethyl Ether	50	NA	45		91	63-146
Tertiary-butyl alcohol	250	NA	128		51	50-150
1,1-Dichloroethene	50	NA	43		86	85-129
Carbon Disulfide	50	NA	42		85	80-134
Freon-113	50	NA	49		97	79-129
Iodomethane	50	NA	34		67	67-144
Acrolein	250	NA	163		65	10-200
Methylene Chloride	50	NA	44		87	86-124
Acetone	50	NA	60		121	41-180
Isobutyl Alcohol	1000	NA	642		64	20-176
trans-1,2-Dichloroethene	50	NA	44		87	80-128
Allyl Chloride	50	NA	42		84	68-133
Methyl tert-butyl ether	100	NA	90		90	79-132
Acetonitrile	500	NA	324		65	35-171
Di-isopropyl ether	50	NA	40	*	80	82-122
Chloroprene	50	NA	44		89	77-133
Methacrylonitrile	500	NA	423		85	73-137
Propionitrile	500	NA	397		79	54-148
1,1-Dichloroethane	50	NA	47		94	90-127
Acrylonitrile	250	NA	209		84	70-135
Ethyl tertiary-butyl ether	50	NA	43		86	84-122
Vinyl Acetate	50	NA	42		84	47-122
cis-1,2-Dichloroethene	50	NA	46		91	84-121
1,2-Dichloroethylene (total)	100	NA	89		89	83-123
Methyl Methacrylate	50	NA	44		87	73-133
2,2-Dichloropropane	50	NA	49		98	68-149
Bromochloromethane	50	NA	53		106	87-120
Chloroform	50	NA	49		97	87-127
Carbon Tetrachloride	50	NA	51		102	74-149
Tetrahydrofuran	50	NA	32		64	46-154
1,1,1-Trichloroethane	50	NA	51		103	76-145
1,1-Dichloropropene	50	NA	49		97	87-130
2-Butanone	50	NA	49		98	30-150
Benzene	50	NA	44	*	88	90-116
Cyclohexane	50	NA	34	*	68	70-130
Ethyl Methacrylate	50	NA	43		87	60-138
Tertiary-amyl methyl ether	50	NA	42		84	82-118
1,2-Dichloroethane	50	NA	49		98	71-149
Trichloroethene	50	NA	48		97	83-132

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 11/15/06
Report Date: 11/20/2006
Matrix: WATER

Lab ID: WG34169-1
Client ID: WG34169-LCS
SDG: CTO33-6
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG34169
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.		%REC.	QC. LIMITS
Dibromomethane	50	NA	48		96	76-132
1,2-Dichloropropane	50	NA	46	*	93	95-112
Bromodichloromethane	50	NA	48		97	76-132
cis-1,3-dichloropropene	50	NA	51		103	85-127
1,4-Dioxane	1000	NA	709		71	10-125
2-Chloroethylvinylether	50	NA	45		90	20-137
Toluene	50	NA	47		94	85-122
4-methyl-2-pentanone	50	NA	37		75	63-154
Tetrachloroethene	50	NA	57		114	48-155
trans-1,3-Dichloropropene	50	NA	55		109	85-144
1,1,2-Trichloroethane	50	NA	48		96	78-124
Dibromochloromethane	50	NA	50		100	63-128
1,3-Dichloropropane	50	NA	45		90	65-127
1,2-Dibromoethane	50	NA	50		101	75-129
2-Hexanone	50	NA	34		68	47-160
Chlorobenzene	50	NA	46		92	68-128
Ethylbenzene	50	NA	42		84	76-124
1,1,1,2-Tetrachloroethane	50	NA	48		96	69-133
Xylenes (total)	150	NA	140		93	67-129
m+p-Xylenes	100	NA	95		95	68-127
o-Xylene	50	NA	46		92	64-133
Styrene	50	NA	45		90	66-130
Bromoform	50	NA	50		100	59-135
Isopropylbenzene	50	NA	51		103	95-140
cis-1,4-Dichloro-2-Butene	50	NA	41		82	56-155
trans-1,4-Dichloro-2-Butene	50	NA	43		85	66-151
Bromobenzene	50	NA	47		95	86-122
N-Propylbenzene	50	NA	46	*	91	92-124
1,1,2,2-Tetrachloroethane	50	NA	46		92	75-128
1,3,5-Trimethylbenzene	50	NA	46		93	86-127
2-Chlorotoluene	50	NA	51		103	84-129
1,2,3-Trichloropropane	50	NA	45		90	57-145
4-Chlorotoluene	50	NA	50		101	83-129
tert-Butylbenzene	50	NA	44		88	86-131
Pentachloroethane	50	NA	36		72	22-197
1,2,4-Trimethylbenzene	50	NA	46		92	85-124
P-Isopropyltoluene	50	NA	44		87	84-131
1,3-Dichlorobenzene	50	NA	50		100	81-121
1,4-Dichlorobenzene	50	NA	46		92	81-120
N-Butylbenzene	50	NA	44		88	67-138
sec-Butylbenzene	50	NA	44		88	82-128
1,2-Dichlorobenzene	50	NA	52		104	74-124
1,2-Dibromo-3-Chloropropane	50	NA	48		96	55-151
1,3,5-Trichlorobenzene	50	NA	48		96	77-122
Hexachlorobutadiene	50	NA	45		89	75-119

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 11/15/06
Report Date: 11/20/2006
Matrix: WATER

Lab ID: WG34169-1
Client ID: WG34169-LCS
SDG: CTO33-6
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG34169
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.		%REC.	QC. LIMITS
1,2,4-Trichlorobenzene	50	NA	45		90	64-125
1,2,3-Trimethylbenzene	50	NA	48		96	84-122
Naphthalene	50	NA	47		94	40-137
1,2,3-Trichlorobenzene	50	NA	48		95	38-140
Methyl Acetate	50	NA	38		76	61-168
Methylcyclohexane	50	NA	40	*	80	81-130
1-Chlorohexane	50	NA	48		97	80-120
Total Alkylbenzenes	350	NA	314		90	60-140

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO 0033 NAVSTA MAYPORT SDG No.: CTO33-6

Instrument ID: GCMS-S Calibration Date(s): 11/16/06 11/16/06

Column: RTX-VMS ID: 0.18 (mm) Calibration Time(s): 1522 1805

LAB FILE ID: RF1: S2179 RF5: S2184 RF20: S2183
RF50: S2182 RF100: S2181 RF200: S2180

COMPOUND	RF1	RF5	RF20	RF50	RF100	RF200	CURVE	COEFF. A1	%RSD OR R^2	MAX %RSD OR R^2
Toluene	0.843	0.620	0.852	0.840	0.833	0.827	AVRG	0.80261540	11.177	15.000
Benzene	1.493	1.063	1.454	1.459	1.429	1.444	AVRG	1.39032606	11.628	15.000
Ethylbenzene	2.109	1.507	2.021	2.121	1.964	2.020	AVRG	1.95704939	11.673	15.000
m+p-Xylenes	0.690	0.495	0.667	0.671	0.664	0.652	AVRG	0.63987656	11.245	15.000
o-Xylene	0.627	0.458	0.646	0.636	0.643	0.663	AVRG	0.61228771	12.498	15.000
Xylenes (total)							AVRG			0.000
Methyl tert-butyl ether	1.176	1.143	1.326	1.400	1.356	1.334	AVRG	1.28923092	8.086	15.000
Dibromofluoromethane	0.431	0.604	0.576	0.621	0.616	0.625	AVRG	0.57896867	12.860	15.000
1,2-Dichloroethane-D4	0.468	0.612	0.592	0.613	0.608	0.629	AVRG	0.58687715	10.149	15.000
Toluene-D8	0.844	1.127	1.099	1.163	1.126	1.125	AVRG	1.08065681	10.875	15.000
P-Bromofluorobenzene	0.365	0.422	0.416	0.444	0.424	0.436	AVRG	0.41791382	6.692	15.000

Average %RSD test result.

Calculate Average %RSD: 14.45878124
Maximum Average %RSD: 15.00000000

Note: Passes Average %RSD Test.

FORM VI VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO 0033 NAVSTA MAYPORT SDG No.: CTO33-6

Instrument ID: GCMS-T Calibration Date(s): 11/08/06 11/08/06

Column: RTX-VMS ID: 0.18 (mm) Calibration Time(s): 1401 1640

LAB FILE ID: RF1: T3573 RF5: T3572 RF20: T3571
RF50: T3570 RF100: T3569 RF200: T3568

COMPOUND	RF1	RF5	RF20	RF50	RF100	RF200	CURVE	COEFF. A1	%RSD OR R^2	MAX %RSD OR R^2
Toluene	0.776	0.751	0.830	0.782	0.744	0.718	AVRG	0.76678482	5.027	15.000
Benzene	1.376	1.348	1.455	1.408	1.369	1.370	AVRG	1.38771350	2.749	15.000
Ethylbenzene	1.651	1.702	1.833	1.769	1.784	1.745	AVRG	1.74738171	3.669	15.000
m+p-Xylenes	0.561	0.585	0.644	0.628	0.604	0.554	AVRG	0.59617668	6.046	15.000
o-Xylene	0.438	0.553	0.607	0.614	0.604	0.606	AVRG	0.57053095	12.028	15.000
Xylenes (total)							AVRG			0.000
Methyl tert-butyl ether	1.172	1.352	1.395	1.382	1.344	1.314	AVRG	1.32632855	6.112	15.000
Dibromofluoromethane	0.524	0.629	0.651	0.611	0.616	0.604	AVRG	0.60585388	7.173	15.000
1,2-Dichloroethane-D4	0.779	0.767	0.730	0.671	0.689	0.665	AVRG	0.71694683	6.886	15.000
Toluene-D8	0.925	1.060	1.116	1.040	1.030	0.985	AVRG	1.02584591	6.371	15.000
P-Bromofluorobenzene	0.344	0.389	0.425	0.398	0.397	0.384	AVRG	0.38947898	6.796	15.000

Average %RSD test result.

Calculate Average %RSD: 7.423933506
Maximum Average %RSD: 15.00000000

Note: Passes Average %RSD Test.

FORM VI VOA

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG34235-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0033 NAVSTA MAYPORT SDG No.: CTO33-6

Lab File ID: T3755 Lab Sample ID: WG34235-2

Date Analyzed: 11/16/06 Time Analyzed: 1149

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: GCMS-T

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

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	WG34235-LCS	WG34235-1	T3753	11/16/06	1033
02	PT11-GW-MW05S-11070	WW6039-5	T3766	11/16/06	1748
03	PT11-GW-RB02-110706	WW6039-6	T3767	11/16/06	1819
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COMMENTS:

FORM IV VOA

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 11/17/06
Report Date: 11/20/2006
Matrix: WATER

Lab ID: WG34243-1
Client ID: WG34243-LCS
SDG: CTO33-6
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG34243
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.		%REC.	QC. LIMITS
Dichlorodifluoromethane	50	NA	45		89	10-200
Chloromethane	50	NA	42		85	40-125
Vinyl chloride	50	NA	48		96	27-143
Bromomethane	50	NA	48		96	52-141
Chloroethane	50	NA	50		101	64-124
Trichlorofluoromethane	50	NA	54		108	63-153
Diethyl Ether	50	NA	57		113	63-146
Tertiary-butyl alcohol	250	NA	218		87	50-150
1,1-Dichloroethene	50	NA	47		93	85-129
Carbon Disulfide	50	NA	52		105	80-134
Freon-113	50	NA	57		114	79-129
Iodomethane	50	NA	46		92	67-144
Acrolein	250	NA	296		118	10-200
Methylene Chloride	50	NA	46		91	86-124
Acetone	50	NA	108	*	216	41-180
Isobutyl Alcohol	1000	NA	1090		109	20-176
trans-1,2-Dichloroethene	50	NA	49		98	80-128
Allyl Chloride	50	NA	63		125	68-133
Methyl tert-butyl ether	100	NA	113		113	79-132
Acetonitrile	500	NA	604		121	35-171
Di-isopropyl ether	50	NA	57		114	82-122
Chloroprene	50	NA	58		116	77-133
Methacrylonitrile	500	NA	600		120	73-137
Propionitrile	500	NA	615		123	54-148
1,1-Dichloroethane	50	NA	53		106	90-127
Acrylonitrile	250	NA	283		113	70-135
Ethyl tertiary-butyl ether	50	NA	57		115	84-122
Vinyl Acetate	50	NA	52		104	47-122
cis-1,2-Dichloroethene	50	NA	49		99	84-121
1,2-Dichloroethylene (total)	100	NA	98		98	83-123
Methyl Methacrylate	50	NA	56		113	73-133
2,2-Dichloropropane	50	NA	50		99	68-149
Bromochloromethane	50	NA	55		111	87-120
Chloroform	50	NA	51		102	87-127
Carbon Tetrachloride	50	NA	48		95	74-149
Tetrahydrofuran	50	NA	54		109	46-154
1,1,1-Trichloroethane	50	NA	52		104	76-145
1,1-Dichloropropene	50	NA	50		100	87-130
2-Butanone	50	NA	75		149	30-150
Benzene	50	NA	49		99	90-116
Cyclohexane	50	NA	51		103	70-130
Ethyl Methacrylate	50	NA	54		108	60-138
Tertiary-amyl methyl ether	50	NA	59		118	82-118
1,2-Dichloroethane	50	NA	51		102	71-149
Trichloroethene	50	NA	50		100	83-132

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 11/17/06
Report Date: 11/20/2006
Matrix: WATER

Lab ID: WG34243-1
Client ID: WG34243-LCS
SDG: CTO33-6
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG34243
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
Dibromomethane	50	NA	52	105	76-132
1,2-Dichloropropane	50	NA	50	101	95-112
Bromodichloromethane	50	NA	49	99	76-132
cis-1,3-dichloropropene	50	NA	52	104	85-127
1,4-Dioxane	1000	NA	422	42	10-125
2-Chloroethylvinylether	50	NA	57	114	20-137
Toluene	50	NA	50	99	85-122
4-methyl-2-pentanone	50	NA	57	113	63-154
Tetrachloroethene	50	NA	52	104	48-155
trans-1,3-Dichloropropene	50	NA	59	117	85-144
1,1,2-Trichloroethane	50	NA	52	104	78-124
Dibromochloromethane	50	NA	52	104	63-128
1,3-Dichloropropane	50	NA	53	105	65-127
1,2-Dibromoethane	50	NA	53	106	75-129
2-Hexanone	50	NA	68	136	47-160
Chlorobenzene	50	NA	51	103	68-128
Ethylbenzene	50	NA	50	101	76-124
1,1,1,2-Tetrachloroethane	50	NA	51	102	69-133
Xylenes (total)	150	NA	152	101	67-129
m+p-Xylenes	100	NA	101	101	68-127
o-Xylene	50	NA	51	102	64-133
Styrene	50	NA	51	102	66-130
Bromoform	50	NA	55	110	59-135
Isopropylbenzene	50	NA	55	110	95-140
cis-1,4-Dichloro-2-Butene	50	NA	57	115	56-155
trans-1,4-Dichloro-2-Butene	50	NA	60	120	66-151
Bromobenzene	50	NA	51	102	86-122
N-Propylbenzene	50	NA	51	102	92-124
1,1,2,2-Tetrachloroethane	50	NA	54	108	75-128
1,3,5-Trimethylbenzene	50	NA	50	101	86-127
2-Chlorotoluene	50	NA	50	100	84-129
1,2,3-Trichloropropane	50	NA	54	107	57-145
4-Chlorotoluene	50	NA	52	103	83-129
tert-Butylbenzene	50	NA	52	104	86-131
Pentachloroethane	50	NA	54	109	22-197
1,2,4-Trimethylbenzene	50	NA	50	100	85-124
P-Isopropyltoluene	50	NA	52	105	84-131
1,3-Dichlorobenzene	50	NA	50	99	81-121
1,4-Dichlorobenzene	50	NA	51	102	81-120
N-Butylbenzene	50	NA	50	99	67-138
sec-Butylbenzene	50	NA	50	100	82-128
1,2-Dichlorobenzene	50	NA	51	102	74-124
1,2-Dibromo-3-Chloropropane	50	NA	53	106	55-151
1,3,5-Trichlorobenzene	50	NA	53	106	77-122
Hexachlorobutadiene	50	NA	47	94	75-119

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 11/17/06
Report Date: 11/20/2006
Matrix: WATER

Lab ID: WG34243-1
Client ID: WG34243-LCS
SDG: CTO33-6
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG34243
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
1,2,4-Trichlorobenzene	50	NA	48	96	64-125
1,2,3-Trimethylbenzene	50	NA	55	110	84-122
Naphthalene	50	NA	51	101	40-137
1,2,3-Trichlorobenzene	50	NA	50	100	38-140
Methyl Acetate	50	NA	56	111	61-168
Methylcyclohexane	50	NA	57	114	81-130
1-Chlorohexane	50	NA	52	103	80-120
Total Alkylbenzenes	350	NA	356	102	60-140

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG34243-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0033 NAVSTA MAYPORT SDG No.: CTO33-6

Lab File ID: S2191 Lab Sample ID: WG34243-2

Date Analyzed: 11/17/06 Time Analyzed: 1030

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: GCMS-S

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

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	WG34243-LCS	WG34243-1	S2189	11/17/06	0915
02	MPT51-RB03-110806	WW6081-4	S2195	11/17/06	1249
03	PT51-GW-MW01S-11080	WW6081-1	S2196	11/17/06	1321
04	PT51-GW-MW02S-11080	WW6081-2	S2197	11/17/06	1354
05	PT51-GW-MW03S-11080	WW6081-3	S2198	11/17/06	1427
06	PT07-GW-TW01S-11080	WW6081-5	S2199	11/17/06	1500
07	PT08-GW-MW12S-11080	WW6081-6	S2200	11/17/06	1533
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COMMENTS:

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 11/16/06
Report Date: 11/20/2006
Matrix: WATER

Lab ID: WG34235-1
Client ID: WG34235-LCS
SDG: CTO33-6
Extracted by:
Extraction Method: SW846 5030
Analyst: DMF
Analysis Method: SW846 8260B
Lab Prep Batch: WG34235
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
Dichlorodifluoromethane	50	NA	57	115	10-200
Chloromethane	50	NA	53	105	40-125
Vinyl chloride	50	NA	58	117	27-143
Bromomethane	50	NA	48	97	52-141
Chloroethane	50	NA	59	118	64-124
Trichlorofluoromethane	50	NA	65	129	63-153
Diethyl Ether	50	NA	62	123	63-146
Tertiary-butyl alcohol	250	NA	255	102	50-150
1,1-Dichloroethene	50	NA	52	104	85-129
Carbon Disulfide	50	NA	57	113	80-134
Freon-113	50	NA	60	121	79-129
Iodomethane	50	NA	42	83	67-144
Acrolein	250	NA	356	142	10-200
Methylene Chloride	50	NA	55	110	86-124
Acetone	50	NA	86	173	41-180
Isobutyl Alcohol	1000	NA	1300	130	20-176
trans-1,2-Dichloroethene	50	NA	51	102	80-128
Allyl Chloride	50	NA	58	117	68-133
Methyl tert-butyl ether	100	NA	118	118	79-132
Acetonitrile	500	NA	604	121	35-171
Di-isopropyl ether	50	NA	58	117	82-122
Chloroprene	50	NA	58	116	77-133
Methacrylonitrile	500	NA	638	128	73-137
Propionitrile	500	NA	625	125	54-148
1,1-Dichloroethane	50	NA	58	116	90-127
Acrylonitrile	250	NA	301	120	70-135
Ethyl tertiary-butyl ether	50	NA	61	122	84-122
Vinyl Acetate	50	NA	59	119	47-122
cis-1,2-Dichloroethene	50	NA	51	101	84-121
1,2-Dichloroethylene (total)	100	NA	101	101	83-123
Methyl Methacrylate	50	NA	58	116	73-133
2,2-Dichloropropane	50	NA	56	112	68-149
Bromochloromethane	50	NA	57	114	87-120
Chloroform	50	NA	57	113	87-127
Carbon Tetrachloride	50	NA	57	113	74-149
Tetrahydrofuran	50	NA	55	110	46-154
1,1,1-Trichloroethane	50	NA	58	116	76-145
1,1-Dichloropropene	50	NA	57	114	87-130
2-Butanone	50	NA	62	123	30-150
Benzene	50	NA	54	107	90-116
Cyclohexane	50	NA	54	107	70-130
Ethyl Methacrylate	50	NA	58	115	60-138
Tertiary-amyl methyl ether	50	NA	59	118	82-118
1,2-Dichloroethane	50	NA	56	112	71-149
Trichloroethene	50	NA	54	108	83-132

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 11/16/06
Report Date: 11/20/2006
Matrix: WATER

Lab ID: WG34235-1
Client ID: WG34235-LCS
SDG: CTO33-6
Extracted by:
Extraction Method: SW846 5030
Analyst: DMF
Analysis Method: SW846 8260B
Lab Prep Batch: WG34235
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.		%REC.	QC. LIMITS
Dibromomethane	50	NA	54		108	76-132
1,2-Dichloropropane	50	NA	56	*	113	95-112
Bromodichloromethane	50	NA	53		106	76-132
cis-1,3-dichloropropene	50	NA	59		118	85-127
1,4-Dioxane	1000	NA	1170		117	10-125
2-Chloroethylvinylether	50	NA	69	*	138	20-137
Toluene	50	NA	54		108	85-122
4-methyl-2-pentanone	50	NA	58		116	63-154
Tetrachloroethene	50	NA	52		104	48-155
trans-1,3-Dichloropropene	50	NA	63		126	85-144
1,1,2-Trichloroethane	50	NA	53		106	78-124
Dibromochloromethane	50	NA	50		99	63-128
1,3-Dichloropropane	50	NA	52		104	65-127
1,2-Dibromoethane	50	NA	58		117	75-129
2-Hexanone	50	NA	56		112	47-160
Chlorobenzene	50	NA	53		106	68-128
Ethylbenzene	50	NA	52		104	76-124
1,1,1,2-Tetrachloroethane	50	NA	51		101	69-133
Xylenes (total)	150	NA	164		109	67-129
m+p-Xylenes	100	NA	110		110	68-127
o-Xylene	50	NA	54		109	64-133
Styrene	50	NA	53		105	66-130
Bromoform	50	NA	48		96	59-135
Isopropylbenzene	50	NA	59		118	95-140
cis-1,4-Dichloro-2-Butene	50	NA	56		112	56-155
trans-1,4-Dichloro-2-Butene	50	NA	56		112	66-151
Bromobenzene	50	NA	49		98	86-122
N-Propylbenzene	50	NA	55		109	92-124
1,1,2,2-Tetrachloroethane	50	NA	50		101	75-128
1,3,5-Trimethylbenzene	50	NA	54		108	86-127
2-Chlorotoluene	50	NA	54		107	84-129
1,2,3-Trichloropropane	50	NA	51		103	57-145
4-Chlorotoluene	50	NA	53		106	83-129
tert-Butylbenzene	50	NA	55		111	86-131
Pentachloroethane	50	NA	59		119	22-197
1,2,4-Trimethylbenzene	50	NA	54		109	85-124
P-Isopropyltoluene	50	NA	57		114	84-131
1,3-Dichlorobenzene	50	NA	50		101	81-121
1,4-Dichlorobenzene	50	NA	49		98	81-120
N-Butylbenzene	50	NA	56		111	67-138
sec-Butylbenzene	50	NA	56		111	82-128
1,2-Dichlorobenzene	50	NA	51		101	74-124
1,2-Dibromo-3-Chloropropane	50	NA	48		95	55-151
1,3,5-Trichlorobenzene	50	NA	56		112	77-122
Hexachlorobutadiene	50	NA	48		96	75-119

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 11/16/06
Report Date: 11/20/2006
Matrix: WATER

Lab ID: WG34235-1
Client ID: WG34235-LCS
SDG: CTO33-6
Extracted by:
Extraction Method: SW846 5030
Analyst: DMF
Analysis Method: SW846 8260B
Lab Prep Batch: WG34235
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
1,2,4-Trichlorobenzene	50	NA	52	105	64-125
1,2,3-Trimethylbenzene	50	NA	59	118	84-122
Naphthalene	50	NA	50	100	40-137
1,2,3-Trichlorobenzene	50	NA	50	99	38-140
Methyl Acetate	50	NA	56	112	61-168
Methylcyclohexane	50	NA	56	113	81-130
1-Chlorohexane	50	NA	57	115	80-120
Total Alkylbenzenes	350	NA	387	110	60-140

LAB CONTROL SAMPLE

Client:
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 11/17/06
Report Date: 11/20/2006
Matrix: WATER

Lab ID: WG34243-1
Client ID: WG34243-LCS
SDG: CTO33-6
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG34243
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
Dichlorodifluoromethane	50	NA	45	89	10-200
Chloromethane	50	NA	42	85	40-125
Vinyl chloride	50	NA	48	96	27-143
Bromomethane	50	NA	48	96	52-141
Chloroethane	50	NA	50	101	64-124
Trichlorofluoromethane	50	NA	54	108	63-153
Diethyl Ether	50	NA	57	113	63-146
Tertiary-butyl alcohol	250	NA	218	87	50-150
1,1-Dichloroethene	50	NA	47	93	85-129
Carbon Disulfide	50	NA	52	105	80-134
Freon-113	50	NA	57	114	79-129
Iodomethane	50	NA	46	92	67-144
Acrolein	250	NA	296	118	10-200
Methylene Chloride	50	NA	46	91	86-124
Acetone	50	NA	108	* 216	41-180
Isobutyl Alcohol	1000	NA	1090	109	20-176
trans-1,2-Dichloroethene	50	NA	49	98	80-128
Allyl Chloride	50	NA	63	125	68-133
Methyl tert-butyl ether	100	NA	113	113	79-132
Acetonitrile	500	NA	604	121	35-171
Di-isopropyl ether	50	NA	57	114	82-122
Chloroprene	50	NA	58	116	77-133
Methacrylonitrile	500	NA	600	120	73-137
Propionitrile	500	NA	615	123	54-148
1,1-Dichloroethane	50	NA	53	106	90-127
Acrylonitrile	250	NA	283	113	70-135
Ethyl tertiary-butyl ether	50	NA	57	115	84-122
Vinyl Acetate	50	NA	52	104	47-122
cis-1,2-Dichloroethene	50	NA	49	99	84-121
1,2-Dichloroethylene (total)	100	NA	98	98	83-123
Methyl Methacrylate	50	NA	56	113	73-133
2,2-Dichloropropane	50	NA	50	99	68-149
Bromochloromethane	50	NA	55	111	87-120
Chloroform	50	NA	51	102	87-127
Carbon Tetrachloride	50	NA	48	95	74-149
Tetrahydrofuran	50	NA	54	109	46-154
1,1,1-Trichloroethane	50	NA	52	104	76-145
1,1-Dichloropropene	50	NA	50	100	87-130
2-Butanone	50	NA	75	149	30-150
Benzene OK	50	NA	49	99	90-116
Cyclohexane	50	NA	51	103	70-130
Ethyl Methacrylate	50	NA	54	108	60-138
Tertiary-amyl methyl ether OK	50	NA	59	118	82-118
1,2-Dichloroethane	50	NA	51	102	71-149
Trichloroethene	50	NA	50	100	83-132

Associated with BTEX, MTBE only

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0033 NAVSTA MAYPORT SDG No.: CTO33-6

Lab File ID: FB537 BFB Injection Date: 11/15/06

Instrument ID: GCMS-F BFB Injection Time: 1000

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	25.9
75	30.0 - 60.0% of mass 95	59.3
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	89.2
175	5.0 - 9.0% of mass 174	6.5 (7.3)1
176	95.0 - 101.0% of mass 174	87.5 (98.1)1
177	5.0 - 9.0% of mass 176	4.4 (5.1)2

1-Value is % mass 174 2-Value is % mass 176

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

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		VSTD050F15C	F3635	11/15/06	1158
02	WG34169-LCS	WG34169-1	F3636	11/15/06	1242
03	WG34169-BLANK	WG34169-2	F3638	11/15/06	1357
04	TRIP BLANK	WW6039-7	F3640	11/15/06	1501
05	TRIP BLANK	WW6011-5	F3641	11/15/06	1533
06	PT10-GW-MW01S-11060	WW6011-1	F3642	11/15/06	1605
07	PT08-GW-MW22S-11060	WW6011-2	F3643	11/15/06	1637
08	PT08-GW-MW21S-11060	WW6011-3	F3644	11/15/06	1710
09	PT09-GW-MW06S-11060	WW6011-4	F3645	11/15/06	1742
10	PT09-GW-MW06S-11070	WW6039-1	F3646	11/15/06	1814
11	PT09-GW-MW04S-11070	WW6039-2	F3647	11/15/06	1846
12	PT09-GW-MW05S-11070	WW6039-3	F3648	11/15/06	1919
13	PT09-GW-RB01-110706	WW6039-4	F3649	11/15/06	1951
14					
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22					

FORM V VOA

VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0033 NAVSTA MAYPORT SDG No.: CTO33-6

Instrument ID: GCMS-F Calibration Date: 11/15/06 Time: 1158

Lab File ID: F3635 Init. Calib. Date(s): 11/06/06 11/06/06

Init. Calib. Times: 1642 2234

GC Column: RTX-VMS ID: 0.18 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
J/UJ Dichlorodifluoromethane	0.5170000	0.6688600	0.6688600	0.01	29.37		AVRG
Chloromethane	0.5100000	0.4207800	0.4207800	0.1	-17.49		AVRG
Vinyl chloride	0.5110000	0.5081500	0.5081500	0.01	-0.56	20.00	AVRG
Bromomethane	0.4480000	0.4185500	0.4185500	0.01	-6.57		AVRG
Chloroethane	0.3200000	0.2743500	0.2743500	0.01	-14.27		AVRG
Trichlorofluoromethane	1.1340000	1.3398000	1.3398000	0.01	18.15		AVRG
1,1-Dichloroethene	0.4820000	0.4858200	0.4858200	0.1	0.79	20.00	AVRG
Methylene Chloride	51.080000	50.000000	0.5817900	0.01	2.16		LINR
trans-1,2-Dichloroethene	0.5430000	0.5310600	0.5310600	0.01	-2.20		AVRG
1,1-Dichloroethane	0.9220000	0.9155300	0.9155300	0.1	-0.70		AVRG
Chloroform	1.1110000	1.1484000	1.1484000	0.01	3.37	20.00	AVRG
1,1,1-Trichloroethane	0.9770000	1.0720000	1.0720000	0.01	9.72		AVRG
1,2-Dichloroethane	0.7960000	0.8591600	0.8591600	0.01	7.93		AVRG
Carbon Tetrachloride	0.6770000	0.7827800	0.7827800	0.01	15.62		AVRG
Benzene	1.2850000	1.2467000	1.2467000	0.01	-2.98		AVRG
1,2-Dichloropropane	0.3220000	0.3107800	0.3107800	0.01	-3.48	20.00	AVRG
Trichloroethene	0.4210000	0.4501700	0.4501700	0.01	6.93		AVRG
Dibromomethane	0.3200000	0.3334000	0.3334000	0.01	4.19		AVRG
Bromodichloromethane	0.7200000	0.8289700	0.8289700	0.01	15.14		AVRG
cis-1,3-dichloropropene	0.6100000	0.6676200	0.6676200	0.01	9.44		AVRG
Toluene	0.7920000	0.8379100	0.8379100	0.01	5.80	20.00	AVRG
trans-1,3-Dichloropropene	0.5910000	0.6339400	0.6339400	0.01	7.26		AVRG
1,1,2-Trichloroethane	0.2740000	0.2815300	0.2815300	0.01	2.75		AVRG
Dibromochloromethane	0.6170000	0.6813000	0.6813000	0.01	10.42		AVRG
Tetrachloroethene	0.4360000	0.4571200	0.4571200	0.01	4.84		AVRG
1,2-Dibromoethane	0.3770000	0.4069100	0.4069100	0.01	7.93		AVRG
Chlorobenzene	1.1070000	1.1238000	1.1238000	0.3	1.52		AVRG
1,1,1,2-Tetrachloroethane	0.5020000	0.5310900	0.5310900	0.01	5.79		AVRG
Ethylbenzene	2.0180000	2.0292000	2.0292000	0.01	0.56	20.00	AVRG

FORM VII PEST

VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0033 NAVSTA MAYPORT SDG No.: CTO33-6

Instrument ID: GCMS-F Calibration Date: 11/15/06 Time: 1158

Lab File ID: F3635 Init. Calib. Date(s): 11/06/06 11/06/06

Init. Calib. Times: 1642 2234

GC Column: RTX-VMS ID: 0.18 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Bromoform	0.4460000	0.4598700	0.4598700	0.1	3.11		AVRG
Styrene	50.648000	50.000000	1.1902000	0.01	1.30		LINR
1,1,2,2-Tetrachloroethane	0.7960000	0.7508600	0.7508600	0.3	-5.67		AVRG
1,2,3-Trichloropropane	0.7050000	0.6471900	0.6471900	0.01	-8.20		AVRG
1,2-Dibromo-3-Chloropropane	0.1900000	0.1966100	0.1966100	0.01	3.48		AVRG
Acetone	0.2120000	0.1707400	0.1707400	0.01	-19.46		AVRG
2-Butanone	0.1940000	0.1531800	0.1531800	0.01	-21.04		AVRG
4-methyl-2-pentanone	229.29000	250.00000	0.2938200	0.01	-8.28		LINR
2-Hexanone	221.96000	250.00000	0.2475500	0.01	-11.22		LINR
m+p-Xylenes	0.6320000	0.6784100	0.6784100	0.01	7.34		AVRG
o-Xylene	48.622000	50.000000	0.6358700	0.01	-2.76		LINR
Vinyl Acetate	45.716000	50.000000	0.8055000	0.01	-8.57		LINR
Carbon Disulfide	1.6630000	1.6066000	1.6066000	0.01	-3.39		AVRG
Acetonitrile UR	1.3e-002	6.26e-003	6.26e-003	0.01	-51.85		AVRG <
Acrolein UR	4.e-002	1.85e-002	1.85e-002	0.01	-53.75		AVRG
Acrylonitrile	126.92000	250.00000	5.91e-002	0.01	-49.23		LINR
Chloroprene	30.623000	50.000000	0.5618900	0.01	-38.75		LINR
Allyl Chloride UJ 3-chloropropene	0.8550000	0.4994600	0.4994600	0.01	-41.59		AVRG
1,4-Dioxane UJ	464.08000	1000.0000	1.58e-003	0.001	-53.59		LINR
Propionitrile UR	4.2e-002	2.11e-002	2.11e-002	0.01	-49.76		AVRG
Ethyl Methacrylate	30.898000	50.000000	0.2388600	0.01	-38.20		LINR
Iodomethane	47.813000	50.000000	0.7833500	0.01	-4.37		LINR
Isobutyl Alcohol UR	1.5e-002	5.84e-003	5.84e-003	0.01	-61.07		AVRG <
Methacrylonitrile	269.63000	500.00000	0.1449500	0.01	-46.07		LINR
Methyl Methacrylate	29.235000	50.000000	0.1996300	0.01	-41.53		LINR
Pentachloroethane	36.888000	50.000000	0.4303400	0.01	-26.22		LINR
trans-1,4-Dichloro-2-Butene	31.243000	50.000000	0.1984400	0.01	-37.51		LINR
1,2,4-Trichlorobenzene	54.574000	50.000000	1.2121000	0.01	9.15		LINR
1,2-Dichlorobenzene	1.4200000	1.5915000	1.5915000	0.01	12.08		AVRG

FORM VII PEST

Report of Analytical Results

Client:
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 17-NOV-2006 10:30
Report Date: 11/20/2006
Matrix: WATER
% Solids: NA

Lab ID: WG34243-2
Client ID: WG34243-Blank
SDG: CTO33-6
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG34243
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-88-3	Toluene	U	0.4	1.0	1	1	0.4
71-43-2	Benzene	U	0.5	1.0	1	1	0.5
100-41-4	Ethylbenzene	U	0.3	1.0	1	1	0.3
	m+p-Xylenes	U	1.0	1.0	2	2	1.0
95-47-6	o-Xylene	U	0.4	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	1	1.0	3	3	1
1634-04-4	Methyl tert-butyl ether	U	0.5	1.0	1	1	0.5
1868-53-7	Dibromofluoromethane		95%				
17060-07-0	1,2-Dichloroethane-D4		96%				
2037-26-5	Toluene-D8		94%				
460-00-4	P-Bromofluorobenzene		91%				

Report of Analytical Results

Client:
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 16-NOV-2006 11:49
Report Date: 11/20/2006
Matrix: WATER
% Solids: NA

Lab ID: WG34235-2
Client ID: WG34235-Blank
SDG: CTO33-6
Extracted by:
Extraction Method: SW846 5030
Analyst: DMF
Analysis Method: SW846 8260B
Lab Prep Batch: WG34235
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
108-88-3	Toluene	U	0.4	1.0	1	1	0.4
71-43-2	Benzene	U	0.5	1.0	1	1	0.5
100-41-4	Ethylbenzene	U	0.3	1.0	1	1	0.3
	m+p-Xylenes	U	1.0	1.0	2	2	1.0
95-47-6	o-Xylene	U	0.4	1.0	1	1	0.4
1330-20-7	Xylenes (total)	U	1	1.0	3	3	1
1634-04-4	Methyl tert-butyl ether	U	0.5	1.0	1	1	0.5
1868-53-7	Dibromofluoromethane		97%				
17060-07-0	1,2-Dichloroethane-D4		94%				
2037-26-5	Toluene-D8		94%				
460-00-4	P-Bromofluorobenzene		103%				

FORM 2
WATER SEMIVOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0033 NAVSTA MAYPORT SDG No.: CTO33-6

	CLIENT SAMPLE ID	LAB SAMPLE ID	S1 2FP#	S2 PHL#	S3 NBZ#	S4 FBP#	S5 TBP#	S6 TPH#	S7 #	S8 #	TOT OUT
01	WG33955-BLANK	WG33955-1	50	37	72	54J	68	73			1
02	WG33955-LCS	WG33955-2	41	34	57	55J	72	82			1
03	WG33955-LCSD	WG33955-3	43	33	58	53J	72	81			1
04	PT10-GW-MW01S-11060	WW6011-1	43	25	58	64	63	78			0
05	PT08-GW-MW22S-11060	WW6011-2	47	34	67	71	65	80			0
06	PT08-GW-MW21S-11060	WW6011-3	36	26	54	55J	51	73			1
07	PT09-GW-MW06S-11060	WW6011-4	48	35	70	70	68	88			0
08	PT09-GW-MW06S-11070	WW6039-1	36	26	63	65	60	82			0
09	PT09-GW-MW04S-11070	WW6039-2	44	30	60	64	63	80			0
10	PT09-GW-MW05S-11070	WW6039-3	40	29	64	64	60	85			0
11	PT09-GW-RB01-110706	WW6039-4	49	34	63	64	65	77			0
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											

		QC LIMITS
S1 (2FP)	= 2-Fluorophenol	(34-105)
S2 (PHL)	= Phenol-D6	(10-115)
S3 (NBZ)	= Nitrobenzene-D5	(54-102)
S4 (FBP)	= 2-Fluorobiphenyl	(58-111)
S5 (TBP)	= 2,4,6-Tribromophenol	(51-144)
S6 (TPH)	= Terphenyl-D14	(22-139)

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

FORM II SV-1

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0033 NAVSTA MAYPORT SDG No.: CTO33-6

Lab File ID: UD338 DFTPP Injection Date: 09/22/06

Instrument ID: GCMS-U DFTPP Injection Time: 1139

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	31.0
68	Less than 2.0% of mass 69	0.5 (1.4)1
69	Less than 100.0% of mass 198	37.6
70	Less than 2.0% of mass 69	0.1 (0.3)1
127	40.0 - 60.0% of mass 198	45.7
197	Less than 1.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 30.0% of mass 198	24.6
365	1.0 - 100.0% of mass 198	3.8
441	0.0 - 100.0% of mass 443	13.9 (75.7)2
442	40.0 - 100.0% of mass 198	92.5
443	17.0 - 23.0% of mass 442	18.4 (19.9)3

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

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

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		SSTD050U0922A	U5470	09/22/06	1157
02		SSTD200U0922A	U5471	09/22/06	1240
03		SSTD150U0922A	U5472	09/22/06	1323
04		SSTD100U0922A	U5473	09/22/06	1406
05		SSTD025U0922A	U5474	09/22/06	1449
06		SSTD010U0922A	U5475	09/22/06	1533
07		SSTD050U0922B	U5476	09/22/06	1617
08		SSTD200U0922B	U5477	09/22/06	1700
09		SSTD150U0922B	U5478	09/22/06	1744
10		SSTD100U0922B	U5479	09/22/06	1826
11		SSTD025U0922B	U5480	09/22/06	1909
12		SSTD010U0922B	U5481	09/22/06	1953
13					
14					
15					
16					
17					
18					
19					
20					

FORM V SV

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO 0033 NAVSTA MAYPORT SDG No.: CTO33-6

Instrument ID: GCMS-U Calibration Date(s): 09/22/06 09/22/06

Column: DB5-MS ID: 0.25 (mm) Calibration Time(s): 1157 1533

LAB FILE ID: RF10: U5475 RF25: U5474 RF50: U5470
RF100: U5473 RF150: U5472 RF200: U5471

COMPOUND	RF10	RF25	RF50	RF100	RF150	RF200	CURVE	COEFFICENTS A0	COEFFICENTS A1	%RSD OR R^2	MAX %RSD OR R^2
N-Nitrosodimethylamine	0.567	0.609	0.666	0.615	0.640	0.614	AVRG		0.61881379	5.341	15.000
Pyridine	1.082	1.251	1.306	1.258	1.332	1.280	AVRG		1.25155890	7.072	15.000
Aniline	1.468	1.679	1.776	1.582	1.676	1.600	AVRG		1.62999960	6.457	15.000
2,2'-Oxybis(1-Chloropropa	1.330	1.393	1.407	1.246	1.280	1.204	AVRG		1.31017272	6.199	15.000
Phenol	1.300	1.425	1.442	1.341	1.306	1.278	AVRG		1.34898232	5.112	15.000
Bis(2-Chloroethyl)ether	1.135	1.175	1.132	1.021	1.039	0.971	AVRG		1.07873053	7.395	15.000
2-Chlorophenol	1.145	1.229	1.238	1.147	1.158	1.112	AVRG		1.17131762	4.299	15.000
1,3-Dichlorobenzene	1.305	1.341	1.339	1.210	1.207	1.153	AVRG		1.25900907	6.294	15.000
1,4-Dichlorobenzene	1.302	1.346	1.352	1.215	1.222	1.168	AVRG		1.26724915	6.020	15.000
Benzyl alcohol	0.562	0.685	0.754	0.684	0.722	0.707	AVRG		0.68559914	9.642	15.000
2-Methylphenol	0.959	1.041	1.091	0.979	0.969	0.928	AVRG		0.99438308	6.027	15.000
Bis(2-Chloroisopropyl)eth	1.330	1.393	1.407	1.246	1.280	1.207	AVRG		1.31069819	6.138	15.000
1,2-Dichlorobenzene	1.218	1.274	1.269	1.133	1.151	1.110	AVRG		1.19240479	5.950	15.000
N-Nitroso-di-n-propylamin	0.798	0.812	0.874	0.786	0.797	0.732	AVRG		0.79989084	5.714	15.000
3&4-Methylphenol	0.988	1.062	1.122	1.012	1.046	1.035	AVRG		1.04420667	4.401	15.000
Hexachloroethane	0.586	0.614	0.630	0.557	0.557	0.519	AVRG		0.57701665	7.092	15.000
Nitrobenzene	0.300	0.333	0.333	0.320	0.333	0.310	AVRG		0.32147670	4.377	15.000
Isophorone	0.558	0.591	0.601	0.548	0.602	0.566	AVRG		0.57765305	4.027	15.000
2-Nitrophenol	0.148	0.170	0.173	0.164	0.164	0.156	AVRG		0.16263241	5.620	15.000
2,4-Dimethylphenol	0.294	0.335	0.347	0.314	0.326	0.298	AVRG		0.31897380	6.542	15.000
Bis(2-Chloroethoxy)methan	0.344	0.370	0.365	0.337	0.354	0.333	AVRG		0.35044610	4.277	15.000
Benzoic acid	47898	150260	309560	701370	1142700	1394700	LINR	6.455e-002	4.73633331	0.99572	0.99000
2,4-Dichlorophenol	0.237	0.269	0.278	0.257	0.265	0.249	AVRG		0.25930875	5.610	15.000
1,2,4-Trichlorobenzene	0.314	0.322	0.322	0.282	0.295	0.276	AVRG		0.30194277	6.751	15.000
Naphthalene	0.864	0.874	0.858	0.786	0.802	0.727	AVRG		0.81867044	6.967	15.000
4-Chloroaniline	0.270	0.309	0.371	0.346	0.361	0.340	AVRG		0.33298122	11.238	15.000
Hexachlorobutadiene	0.207	0.213	0.209	0.186	0.186	0.172	AVRG		0.19539535	8.324	15.000
4-Chloro-3-Methylphenol	0.264	0.278	0.301	0.278	0.287	0.272	AVRG		0.28002940	4.606	15.000
2-Methylnaphthalene	0.557	0.565	0.564	0.497	0.524	0.493	AVRG		0.53337140	6.225	15.000
1-Methylnaphthalene	0.570	0.561	0.572	0.529	0.534	0.505	AVRG		0.54523069	4.944	15.000
Hexachlorocyclopentadiene	0.223	0.294	0.315	0.310	0.317	0.294	AVRG		0.29230822	12.179	15.000
2,4,6-Trichlorophenol	0.315	0.344	0.358	0.329	0.327	0.304	AVRG		0.32957908	5.880	15.000
2,4,5-Trichlorophenol	0.322	0.361	0.383	0.375	0.367	0.350	AVRG		0.35965128	5.970	15.000
Diethyl Adipate	0.355	0.360	0.368	0.335	0.339	0.308	AVRG		0.34403406	6.308	15.000
2-Chloronaphthalene	0.302	0.310	0.308	0.285	0.282	0.267	AVRG		0.29245488	5.719	15.000
2-Nitroaniline	0.246	0.283	0.298	0.285	0.289	0.272	AVRG		0.27891627	6.468	15.000
1,4-Dinitrobenzene	0.153	0.186	0.204	0.198	0.205	0.198	AVRG		0.19068113	10.367	15.000
Dimethyl Phthalate	1.144	1.104	1.133	1.006	1.014	0.944	AVRG		1.05756849	7.670	15.000
1,3-Dinitrobenzene	0.146	0.165	0.173	0.158	0.164	0.150	AVRG		0.15945925	6.325	15.000
2,6-Dinitrotoluene	0.249	0.252	0.261	0.234	0.242	0.233	AVRG		0.24516853	4.387	15.000
Acenaphthylene	1.369	1.358	1.334	1.217	1.221	1.100	AVRG		1.26630336	8.343	15.000
1,2-Dinitrobenzene	0.169	0.172	0.177	0.158	0.165	0.159	AVRG		0.16691663	4.363	15.000
3-Nitroaniline	0.165	0.158	0.222	0.216	0.219	0.209	AVRG		0.19822478	14.478	15.000
Acenaphthene	0.851	0.870	0.852	0.764	0.756	0.720	AVRG		0.80232806	7.846	15.000

FORM VI SV

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO 0033 NAVSTA MAYPORT SDG No.: CTO33-6

Instrument ID: GCMS-U Calibration Date(s): 09/22/06 09/22/06

Column: DB5-MS ID: 0.25 (mm) Calibration Time(s): 1157 1533

LAB FILE ID: RF10: U5475 RF25: U5474 RF50: U5470
RF100: U5473 RF150: U5472 RF200: U5471

COMPOUND	RF10	RF25	RF50	RF100	RF150	RF200	CURVE	COEFFICENTS A0	A1	%RSD OR R^2	MAX %RSD OR R^2	
Dibenzofuran	1.330	1.309	1.310	1.156	1.196	1.104	AVRG		1.23398657	7.693	15.000	
2,4-Dinitrophenol	10337	63521	139120	319650	544800	659260	LINR	0.11834814	5.99032885	0.99597	0.99000	
4-Nitrophenol	29717	37313	126960	323030	541100	671110	LINR	0.15335101	5.89984609	0.99429	0.99000	
2,4-Dinitrotoluene	0.294	0.318	0.345	0.303	0.305	0.282	AVRG		0.30797570	7.099	15.000	
2,3,5,6-Tetrachlorophenol	0.297	0.328	0.349	0.309	0.312	0.293	AVRG		0.31461283	6.590	15.000	
2,3,4,6-Tetrachlorophenol	0.318	0.321	0.340	0.296	0.297	0.278	AVRG		0.30827688	7.179	15.000	
Diethylphthalate	1.126	1.124	1.175	0.991	0.981	0.884	AVRG		1.04702605	10.686	15.000	
Fluorene	1.132	1.094	1.109	0.972	0.974	0.891	AVRG		1.02887702	9.353	15.000	
4-Chlorophenyl-phenylethe	0.580	0.583	0.597	0.511	0.525	0.484	AVRG		0.54659958	8.430	15.000	
4-Nitroaniline	0.149	0.208	0.208	0.189	0.204	0.184	AVRG		0.19035121	11.842	15.000	
4,6-Dinitro-2-Methylpheno	0.093	0.124	0.141	0.131	0.135	0.130	AVRG		0.12565487	13.587	15.000	
N-Nitrosodiphenylamine/DP	0.560	0.557	0.542	0.502	0.498	0.474	AVRG		0.52215191	6.799	15.000	
N-Nitrosodiphenylamine	0.560	0.557	0.542	0.502	0.498	0.474	AVRG		0.52215191	6.799	15.000	
Azobenzene	0.660	0.698	0.681	0.641	0.681	0.656	AVRG		0.66962870	3.090	15.000	
1,2-Diphenylhydrazine	0.688	0.698	0.679	0.641	0.681	0.656	AVRG		0.67396940	3.151	15.000	
4-Bromophenyl-phenylether	0.226	0.233	0.230	0.210	0.201	0.197	AVRG		0.21602865	7.134	15.000	
Hexachlorobenzene	0.292	0.292	0.280	0.253	0.249	0.238	AVRG		0.26736779	8.740	15.000	
Pentachlorophenol	0.121	0.154	0.176	0.160	0.163	0.150	AVRG		0.15390876	11.910	15.000	
Phenanthrene	1.029	1.028	1.007	0.915	0.885	0.849	AVRG		0.95204048	8.280	15.000	
Dinoseb							AVRG				0.000	<-
Anthracene	0.972	1.025	1.018	0.908	0.882	0.833	AVRG		0.93972789	8.247	15.000	
Carbazole	0.737	0.624	0.729	0.658	0.644	0.637	AVRG		0.67162003	7.313	15.000	
Di-n-butylphthalate	1.182	1.188	1.240	1.046	1.005	0.944	AVRG		1.10098859	10.769	15.000	
Fluoranthene	1.051	1.111	1.118	0.975	0.924	0.843	AVRG		1.00373519	10.889	15.000	
Benzidine	58347	233610	655560	1546100	2168500	2504600	LINR	0.18441803	1.63075210	0.99647	0.99000	
Pyrene	1.219	1.293	1.384	1.192	1.328	1.303	AVRG		1.28639276	5.504	15.000	
Butylbenzylphthalate	0.528	0.566	0.614	0.540	0.587	0.556	AVRG		0.56526233	5.610	15.000	
Bis(2-ethylhexyl)adipate	0.433	0.467	0.532	0.453	0.517	0.502	AVRG		0.48418210	8.079	15.000	
Benzo(a)anthracene	1.099	1.114	1.105	1.052	1.076	1.013	AVRG		1.07647856	3.561	15.000	
3,3'-Dichlorobenzidine	0.313	0.230	0.286	0.253	0.185	0.192	AVRG		0.24304599	20.878	15.000	<-
Chrysene	1.129	1.094	1.032	0.953	0.964	0.857	AVRG		1.00485368	9.955	15.000	
bis(2-Ethylhexyl)phthalat	0.727	0.795	0.851	0.734	0.763	0.730	AVRG		0.76683668	6.348	15.000	
Di-n-octylphthalate	1.272	1.302	1.511	1.214	1.270	1.126	AVRG		1.28248818	9.996	15.000	
Benzo(b)fluoranthene	1.050	1.047	1.043	0.970	0.978	0.929	AVRG		1.00269494	5.093	15.000	
Benzo(k)fluoranthene	1.266	1.134	1.106	1.000	1.016	0.875	AVRG		1.06599430	12.562	15.000	
Benzo(a)pyrene	1.052	1.009	0.954	0.898	0.916	0.818	AVRG		0.94138966	8.839	15.000	
Indeno(1,2,3-cd)pyrene	0.570	0.751	0.663	0.739	0.761	0.723	AVRG		0.70114342	10.404	15.000	
Dibenzo(a,h)anthracene	0.836	0.791	0.749	0.733	0.795	0.737	AVRG		0.77352553	5.243	15.000	
Benzo(g,h,i)perylene	0.812	0.909	0.776	0.808	0.823	0.755	AVRG		0.81407310	6.529	15.000	
2-Fluorophenol	1.182	1.299	1.330	1.249	1.284	1.225	AVRG		1.26145936	4.247	15.000	
Phenol-D6	1.376	1.502	1.547	1.403	1.474	1.400	AVRG		1.45030023	4.675	15.000	
Nitrobenzene-D5	0.346	0.377	0.380	0.360	0.374	0.355	AVRG		0.36541446	3.722	15.000	
2-Fluorobiphenyl	1.152	1.146	1.098	1.017	1.024	0.952	AVRG		1.06489658	7.531	15.000	

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO 0033 NAVSTA MAYPORT SDG No.: CTO33-6

Instrument ID: GCMS-U Calibration Date(s): 09/22/06 09/22/06

Column: DB5-MS ID: 0.25 (mm) Calibration Time(s): 1157 1533

LAB FILE ID: RF10: U5475 RF25: U5474 RF50: U5470
RF100: U5473 RF150: U5472 RF200: U5471

COMPOUND	RF10	RF25	RF50	RF100	RF150	RF200	CURVE	COEFFICENTS A0	A1	%RSD OR R^2	MAX %RSD OR R^2
2,4,6-Tribromophenol	0.247	0.251	0.278	0.234	0.240	0.224	AVRG		0.24584349	7.566	15.000
Terphenyl-D14	0.868	0.898	0.992	0.858	0.981	0.952	AVRG		0.92484525	6.280	15.000

Average %RSD test result.

Calculate Average %RSD: 7.167237282
Maximum Average %RSD: 15.00000000

Note: Passes Average %RSD Test.

FORM VI SV

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO 0033 NAVSTA MAYPORT SDG No.: CTO33-6

Instrument ID: GCMS-U Calibration Date(s): 09/22/06 09/22/06

Column: DB5-MS ID: 0.25 (mm) Calibration Time(s): 1617 1953

LAB FILE ID: RF10: U5481 RF25: U5480 RF50: U5476
RF100: U5479 RF150: U5478 RF200: U5477

COMPOUND	RF10	RF25	RF50	RF100	RF150	RF200	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2	
1,4-Dioxane	0.377	0.392	0.369	0.361	0.372	0.360	AVRG		0.37167631		3.212	15.000	
2-Picoline	1.327	1.420	1.427	1.385	1.384	1.344	AVRG		1.38104888		2.878	15.000	
Ethyl Methacrylate	1.148	1.155	1.070	1.044	1.073	1.025	AVRG		1.08579752		4.970	15.000	
N-Nitrosomethylethylamine	0.560	0.591	0.569	0.557	0.583	0.566	AVRG		0.57098751		2.359	15.000	
Methyl Methanesulfonate	0.866	0.920	0.884	0.872	0.901	0.847	AVRG		0.88171058		2.974	15.000	
N-Nitrosodiethylamine	0.577	0.575	0.560	0.550	0.600	0.538	AVRG		0.56661771		3.874	15.000	
Ethyl Methanesulfonate	0.855	0.921	0.864	0.898	0.953	0.923	AVRG		0.90217420		4.150	15.000	
Benzaldehyde	0.707	0.829	0.800	0.739	0.699	0.667	AVRG		0.74016402		8.458	15.000	
Pentachloroethane	0.533	0.538	0.509	0.496	0.498	0.474	AVRG		0.50815940		4.783	15.000	
N-Nitrosopyrrolidine	0.480	0.533	0.508	0.527	0.564	0.542	AVRG		0.52592944		5.486	15.000	
Acetophenone	0.384	0.421	0.438	0.416	0.420	0.403	AVRG		0.41371974		4.367	15.000	
o-Toluidine	0.443	0.458	0.465	0.442	0.450	0.430	AVRG		0.44787687		2.766	15.000	
N-Nitrosomorpholine	0.668	0.700	0.647	0.664	0.712	0.672	AVRG		0.67702873		3.549	15.000	
N-Nitrosopiperidine	0.162	0.158	0.162	0.158	0.164	0.157	AVRG		0.16050228		1.731	15.000	
O,O,O-Triethylphosphoroth	0.182	0.172	0.172	0.165	0.168	0.151	AVRG		0.16821931		6.138	15.000	
A,A-Dimethylphenethylamin	0.776	0.688	0.699	0.719	0.715		AVRG		0.71937968		4.691	15.000	
2,6-Dichlorophenol	0.240	0.225	0.249	0.237	0.245	0.235	AVRG		0.23872811		3.505	15.000	
Hexachloropropene	0.260	0.257	0.257	0.248	0.250	0.228	AVRG		0.24985187		4.697	15.000	
N-Nitroso-Di-N-Butylamine	0.266	0.282	0.273	0.266	0.254	0.229	AVRG		0.26164029		7.155	15.000	
p-Phenylenediamine	0.363	0.472	0.442	0.372	0.360	0.328	AVRG		0.38949454		14.163	15.000	
Caprolactam	0.089	0.094	0.092	0.088	0.098	0.088	AVRG		9.143e-002		4.406	15.000	
Isosafrole	0.258	0.249	0.247	0.231	0.238	0.221	AVRG		0.24088293		5.546	15.000	
1,2,4,5-Tetrachlorobenzen	0.619	0.582	0.573	0.506	0.514	0.495	AVRG		0.54807537		9.150	15.000	
Safrole	0.219	0.247	0.238	0.222	0.220	0.204	AVRG		0.22519077		6.798	15.000	
1,1'-Biphenyl	1.343	1.255	1.201	1.087	1.054	0.995	AVRG		1.15599798		11.473	15.000	
1-Chloronaphthalene	0.384	0.338	0.316	0.328	0.329	0.312	AVRG		0.33488226		7.783	15.000	
Diphenylether	0.734	0.700	0.684	0.610	0.616	0.595	AVRG		0.65646996		8.690	15.000	
1,4-Naphthoquinone	0.330	0.344	0.298	0.251	0.230		AVRG		0.29073916		16.954	15.000	<
Pentachlorobenzene	0.581	0.560	0.526	0.483	0.478	0.448	AVRG		0.51264025		10.104	15.000	
1-Naphthylamine	0.996	1.048	0.984	0.952	0.948	0.856	AVRG		0.96410430		6.646	15.000	
2-Naphthylamine	0.807	0.987	0.975	0.926	0.886	0.842	AVRG		0.90380037		7.971	15.000	
5-Nitro-O-Toluidine	0.223	0.277	0.278	0.272	0.277	0.263	AVRG		0.26504515		8.083	15.000	
O,O-diethyl-o-2-pyrazinyl	0.216	0.247	0.223	0.214	0.201	0.193	AVRG		0.21579001		8.773	15.000	
Sulfotepp	0.156	0.148	0.148	0.138	0.139	0.129	AVRG		0.14323531		6.698	15.000	
Diallate	0.269	0.268	0.259	0.239	0.256	0.242	AVRG		0.25554587		5.082	15.000	
1,3,5-Trinitrobenzene	8264	40745	93515	199460	287890	357120	LINR	4.234e-002	15.9093805		0.99798	0.99000	
Phorate	0.459	0.470	0.468	0.429	0.439	0.412	AVRG		0.44632712		5.246	15.000	
Phenacetin	0.344	0.386	0.365	0.350	0.357	0.339	AVRG		0.35677763		4.715	15.000	
Dimethoate	74488	212230	385420	687360	831120	1018700	2ORDR	1.068e-002	2.82592237	3.43938535	0.99844	0.99000	
Atrazine	64319	162760	314640	575200	724160	899590	2ORDR	-7.9e-003	4.08801601	3.27199271	0.99923	0.99000	
Pentachloronitrobenzene	0.124	0.130	0.121	0.112	0.116	0.108	AVRG		0.11849025		6.938	15.000	
4-Aminobiphenyl	0.558	0.587	0.615	0.615	0.590	0.568	AVRG		0.58886632		3.979	15.000	
Pronamide	0.348	0.361	0.337	0.326	0.316	0.301	AVRG		0.33146504		6.590	15.000	
Disulfoton	0.389	0.387	0.371	0.349	0.354	0.330	AVRG		0.36318479		6.382	15.000	

FORM VI SV

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO 0033 NAVSTA MAYPORT SDG No.: CTO33-6

Instrument ID: GCMS-U Calibration Date(s): 09/22/06 09/22/06

Column: DB5-MS ID: 0.25 (mm) Calibration Time(s): 1617 1953

LAB FILE ID: RF10: U5481 RF25: U5480 RF50: U5476
RF100: U5479 RF150: U5478 RF200: U5477

COMPOUND	RF10	RF25	RF50	RF100	RF150	RF200	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2	
Methyl Parathion	64418	188330	347300	613820	783140	938990	2ORDR	1.467e-002	3.27261794	3.72123558	0.99986	0.99000	
4-Nitroquinoline-1-Oxide	0.023	0.051	0.053	0.058	0.044	0.045	AVRG		4.587e-002		26.211	15.000	<
Ethyl Parathion	0.076	0.094	0.087	0.080	0.077	0.075	AVRG		8.145e-002		9.267	15.000	
Methapyrilene	75144	185760	307390	513510	610260	741490	2ORDR	-1.83e-002	3.07918653	7.89846340	0.99807	0.99000	
Isodrin	0.162	0.158	0.149	0.130	0.131	0.121	AVRG		0.14187477		11.874	15.000	
Aramite	0.072	0.083	0.076	0.074	0.070	0.064	AVRG		7.308e-002		8.762	15.000	
p-Dimethylaminoazobenzene	0.230	0.262	0.249	0.239	0.250	0.222	AVRG		0.24196222		5.951	15.000	
Chlorobenzilate	0.415	0.422	0.410	0.387	0.408	0.368	AVRG		0.40153770		5.017	15.000	
Famphur							AVRG					0.000	<
Kepone							AVRG					0.000	<
3,3'-Dimethylbenzidine	65068	206560	498970	894480	1123600	1463600	LINR	-1.2e-003	2.98685906		0.99434	0.99000	
2-Acetylaminofluorene	0.339	0.400	0.391	0.348	0.358	0.357	AVRG		0.36562863		6.705	15.000	
7,12-Dimethylbenz(A)Anthr	0.646	0.628	0.538	0.507	0.500	0.467	AVRG		0.54779746		13.336	15.000	
Hexachlorophene							AVRG					0.000	<
3-Methylcholanthrene	0.385	0.417	0.447	0.384	0.395	0.405	AVRG		0.40546547		5.862	15.000	
Dibenz(a,j)acridine	0.585	0.653	0.714	0.704	0.713	0.657	AVRG		0.67100723		7.512	15.000	

Average %RSD test result.

Calculate Average %RSD: 7.167237282
Maximum Average %RSD: 15.00000000

Note: Passes Average %RSD Test.

FORM VI SV

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0033 NAVSTA MAYPORT SDG No.: CTO33-6

Lab File ID: UD366 DFTPP Injection Date: 11/06/06

Instrument ID: GCMS-U DFTPP Injection Time: 0932

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	36.0
68	Less than 2.0% of mass 69	0.7 (1.5)1
69	Less than 100.0% of mass 198	43.3
70	Less than 2.0% of mass 69	0.1 (0.3)1
127	40.0 - 60.0% of mass 198	47.3
197	Less than 1.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 30.0% of mass 198	22.5
365	1.0 - 100.0% of mass 198	3.4
441	0.0 - 100.0% of mass 443	11.1 (74.4)2
442	40.0 - 100.0% of mass 198	76.5
443	17.0 - 23.0% of mass 442	15.0 (19.5)3

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

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

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		SSTD050U1106	U5903	11/06/06	0951
02		SSTD200U1106	U5904	11/06/06	1035
03		SSTD150U1106	U5905	11/06/06	1118
04		SSTD100U1106	U5906	11/06/06	1201
05		SSTD025U1106	U5907	11/06/06	1244
06		SSTD010U1106	U5908	11/06/06	1327
07					
08					
09					
10					
11					
12					
13					
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15					
16					
17					
18					
19					
20					

FORM V SV

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO 0033 NAVSTA MAYPORT SDG No.: CTO33-6

Instrument ID: GCMS-U Calibration Date(s): 11/06/06 11/06/06

Column: DB5-MS ID: 0.25 (mm) Calibration Time(s): 0951 1327

LAB FILE ID: RF10: U5908 RF25: U5907 RF50: U5903
RF100: U5906 RF150: U5905 RF200: U5904

COMPOUND	RF10	RF25	RF50	RF100	RF150	RF200	CURVE	COEFFICENTS A0	COEFFICENTS A1	%RSD OR R^2	MAX %RSD OR R^2
Dinoseb	17429	79970	260980	495800	750000	1029000	LINR	0.12614740	7.53621670	0.99446	0.99000

Average %RSD test result.

Calculate Average %RSD: 7.395958900
Maximum Average %RSD: 15.00000000

Note: Passes Average %RSD Test.

FORM VI SV

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0033 NAVSTA MAYPORT SDG No.: CTO33-6

Lab File ID: UD373 DFTPP Injection Date: 11/13/06

Instrument ID: GCMS-U DFTPP Injection Time: 0906

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	36.1
68	Less than 2.0% of mass 69	0.6 (1.4)1
69	Less than 100.0% of mass 198	42.3
70	Less than 2.0% of mass 69	0.1 (0.3)1
127	40.0 - 60.0% of mass 198	47.9
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	7.3
275	10.0 - 30.0% of mass 198	24.7
365	1.0 - 100.0% of mass 198	3.8
441	0.0 - 100.0% of mass 443	15.1 (80.6)2
442	40.0 - 100.0% of mass 198	95.7
443	17.0 - 23.0% of mass 442	18.8 (19.6)3

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

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

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		SSTD050U1113D	U6008	11/13/06	0925
02		SSTD050U1113B	U6009	11/13/06	1008
03		SSTD050U1113A	U6010	11/13/06	1051
04	WG33955-BLANK	WG33955-1	U6011	11/13/06	1134
05	WG33955-LCS	WG33955-2	U6012	11/13/06	1218
06	WG33955-LCSD	WG33955-3	U6013	11/13/06	1301
07					
08					
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12					
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20					

FORM V SV

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0033 NAVSTA MAYPORT SDG No.: CTO33-6

Instrument ID: GCMS-U Calibration Date: 11/13/06 Time: 1008

Lab File ID: U6009 Init. Calib. Date(s): 09/22/06 09/22/06

Init. Calib. Times: 1617 1953

GC Column: DB5-MS ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
1,4-Dioxane	0.3720000	0.3910600	0.3910600	0.01	5.12	100.00	AVRG
2-Picoline	1.3810000	1.3780000	1.3780000	0.01	-0.22	100.00	AVRG
Ethyl Methacrylate	1.0860000	1.1155000	1.1155000	0.01	2.72	100.00	AVRG
N-Nitrosomethylethylamine	0.5710000	0.5564300	0.5564300	0.01	-2.55	100.00	AVRG
Methyl Methanesulfonate	0.8820000	0.8712900	0.8712900	0.01	-1.21	100.00	AVRG
N-Nitrosodiethylamine	0.5670000	0.5434800	0.5434800	0.01	-4.15	100.00	AVRG
Ethyl Methanesulfonate	0.9020000	0.9381700	0.9381700	0.01	4.01	100.00	AVRG
Benzaldehyde	0.7400000	0.8553700	0.8553700	0.01	15.59	100.00	AVRG
Pentachloroethane	0.5080000	0.4982600	0.4982600	0.01	-1.92	100.00	AVRG
N-Nitrosopyrrolidine	0.5260000	0.4964700	0.4964700	0.01	-5.61	100.00	AVRG
Acetophenone	0.4140000	0.3959600	0.3959600	0.01	-4.36	100.00	AVRG
o-Toluidine	0.4480000	0.4348500	0.4348500	0.01	-2.94	100.00	AVRG
N-Nitrosomorpholine	0.6770000	0.6130100	0.6130100	0.01	-9.45	100.00	AVRG
N-Nitrosopiperidine	0.1600000	0.1474400	0.1474400	0.01	-7.85	100.00	AVRG
O,O,O-Triethylphosphorothioa	0.1680000	0.1448600	0.1448600	0.01	-13.77	100.00	AVRG
A,A-Dimethylphenethylamine	0.7190000	0.5976800	0.5976800	0.01	-16.87	100.00	AVRG
2,6-Dichlorophenol	0.2380000	0.2184000	0.2184000	0.01	-8.24	100.00	AVRG
Hexachloropropene	0.2500000	0.1987400	0.1987400	0.01	-20.50	100.00	AVRG
N-Nitroso-Di-N-Butylamine	0.2620000	0.2427300	0.2427300	0.01	-7.36	100.00	AVRG
p-Phenylenediamine	0.3900000	0.3405600	0.3405600	0.01	-12.68	100.00	AVRG
Caprolactam	9.2e-002	9.08e-002	9.08e-002	0.01	-1.30	100.00	AVRG
Isosafrole	0.2410000	0.2270100	0.2270100	0.01	-5.80	100.00	AVRG
1,2,4,5-Tetrachlorobenzene	0.5480000	0.5153200	0.5153200	0.01	-5.96	100.00	AVRG
Safrole	0.2250000	0.2240400	0.2240400	0.01	-0.43	100.00	AVRG
1,1'-Biphenyl	1.1560000	1.0981000	1.0981000	0.01	-5.01	100.00	AVRG
1-Chloronaphthalene	0.3340000	0.3254600	0.3254600	0.01	-2.56	100.00	AVRG
Diphenylether	0.6560000	0.5996400	0.5996400	0.01	-8.59	100.00	AVRG
1,4-Naphthoquinone	0.2910000	0.3058900	0.3058900	0.01	5.12	100.00	AVRG
Pentachlorobenzene	0.5130000	0.4580400	0.4580400	0.01	-10.71	100.00	AVRG

FORM VII PEST

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0033 NAVSTA MAYPORT SDG No.: CTO33-6

Instrument ID: GCMS-U Calibration Date: 11/13/06 Time: 1008

Lab File ID: U6009 Init. Calib. Date(s): 09/22/06 09/22/06

Init. Calib. Times: 1617 1953

GC Column: DB5-MS ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
1-Naphthylamine	0.9640000	0.8256100	0.8256100	0.01	-14.36	100.00	AVRG	
2-Naphthylamine	0.9040000	0.5656600	0.5656600	0.01	-37.43	100.00	AVRG	
5-Nitro-O-Toluidine	0.2650000	0.2612000	0.2612000	0.01	-1.43	100.00	AVRG	
0,0-diethyl-o-2-pyrazinylpho	0.2160000	0.1983000	0.1983000	0.01	-8.19	100.00	AVRG	
Sulfotepp	0.1430000	0.1417700	0.1417700	0.01	-0.86	100.00	AVRG	
Diallate	0.2560000	0.2604600	0.2604600	0.01	1.74	100.00	AVRG	
1,3,5-Trinitrobenzene	42.767000	50.000000	5.16e-002	0.01	-14.47	100.00	LINR	
Phorate	0.4460000	0.4193300	0.4193300	0.01	-5.98	100.00	AVRG	
Phenacetin	0.3570000	0.3879000	0.3879000	0.01	8.66	100.00	AVRG	
Dimethoate	51.948000	50.000000	0.2610000	0.01	3.90	100.00	2RDR	
Atrazine	35.893000	50.000000	0.1535600	0.01	-28.21	100.00	2RDR	
Pentachloronitrobenzene	0.1180000	0.1042400	0.1042400	0.01	-11.66	100.00	AVRG	
4-Aminobiphenyl	0.5890000	0.4472700	0.4472700	0.01	-24.06	100.00	AVRG	
Pronamide	0.3320000	0.3184200	0.3184200	0.01	-4.09	100.00	AVRG	
Disulfoton	0.3630000	0.3581700	0.3581700	0.01	-1.33	100.00	AVRG	
Methyl Parathion	52.034000	50.000000	0.2355500	0.01	4.07	100.00	2RDR	
4-Nitroquinoline-1-Oxide	4.6e-002	3.59e-002	3.59e-002	0.01	-21.96	100.00	AVRG	
Ethyl Parathion	8.2e-002	7.54e-002	7.54e-002	0.01	-8.05	100.00	AVRG	
Methapyrilene	78.006000	50.000000	0.2728000	0.01	56.01	100.00	2RDR	
Isodrin	0.1420000	0.1277000	0.1277000	0.01	-10.07	100.00	AVRG	
Aramite	7.3e-002	9.3e-002	9.3e-002	0.01	27.40	100.00	AVRG	
p-Dimethylaminoazobenzene	0.2420000	0.2461800	0.2461800	0.01	1.73	100.00	AVRG	
Chlorobenzilate	0.4020000	0.4392400	0.4392400	0.01	9.26	100.00	AVRG	
Famphur	0.0000000			0.01	0.00	100.00	AVRG	<-
Kepone	0.0000000	8.58e-003	8.58e-003	0.01	0.00	100.00	AVRG	<-
3,3'-Dimethylbenzidine	56.419000	50.000000	0.3781000	0.01	12.84	100.00	LINR	
2-Acetylaminofluorene	0.3660000	0.4314500	0.4314500	0.01	17.88	100.00	AVRG	
7,12-Dimethylbenz(A)Anthrace	0.5480000	0.4882800	0.4882800	0.01	-10.90	100.00	AVRG	
Hexachlorophene	0.0000000			0.01	0.00	100.00	AVRG	<-

FORM VII PEST

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0033 NAVSTA MAYPORT SDG No.: CTO33-6

Instrument ID: GCMS-U Calibration Date: 11/13/06 Time: 1008

Lab File ID: U6009 Init. Calib. Date(s): 09/22/06 09/22/06

Init. Calib. Times: 1617 1953

GC Column: DB5-MS ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
3-Methylcholanthrene	0.4060000	0.4043800	0.4043800	0.01	-0.40	100.00	AVRG
Dibenz(a,j)acridine	0.6710000	0.7384100	0.7384100	0.01	10.05	100.00	AVRG

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0033 NAVSTA MAYPORT SDG No.: CTO33-6

Lab File ID: UD374 DFTPP Injection Date: 11/14/06

Instrument ID: GCMS-U DFTPP Injection Time: 0855

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	37.7
68	Less than 2.0% of mass 69	0.5 (1.1)1
69	Less than 100.0% of mass 198	44.4
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	48.6
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	7.2
275	10.0 - 30.0% of mass 198	23.5
365	1.0 - 100.0% of mass 198	3.5
441	0.0 - 100.0% of mass 443	13.6 (81.4)2
442	40.0 - 100.0% of mass 198	87.0
443	17.0 - 23.0% of mass 442	16.7 (19.2)3

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

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

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		SSTD050U1114D	U6025	11/14/06	0914
02		SSTD050U1114B	U6026	11/14/06	0957
03		SSTD050U1114A	U6027	11/14/06	1040
04	PT10-GW-MW01S-11060	WW6011-1	U6028	11/14/06	1135
05	PT08-GW-MW22S-11060	WW6011-2	U6029	11/14/06	1219
06	PT08-GW-MW21S-11060	WW6011-3	U6030	11/14/06	1539
07	PT09-GW-MW06S-11060	WW6011-4	U6031	11/14/06	1622
08	PT09-GW-MW06S-11070	WW6039-1	U6032	11/14/06	1706
09	PT09-GW-MW04S-11070	WW6039-2	U6033	11/14/06	1749
10	PT09-GW-MW05S-11070	WW6039-3	U6034	11/14/06	1833
11	PT09-GW-RB01-110706	WW6039-4	U6035	11/14/06	1916
12					
13					
14					
15					
16					
17					
18					
19					
20					

FORM V SV

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0033 NAVSTA MAYPORT SDG No.: CTO33-6

Instrument ID: GCMS-U Calibration Date: 11/14/06 Time: 0957

Lab File ID: U6026 Init. Calib. Date(s): 09/22/06 09/22/06

Init. Calib. Times: 1617 1953

GC Column: DB5-MS ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
1,4-Dioxane	0.3720000	0.3946400	0.3946400	0.01	6.09	100.00	AVRG
2-Picoline	1.3810000	1.4032000	1.4032000	0.01	1.61	100.00	AVRG
Ethyl Methacrylate	1.0860000	1.0913000	1.0913000	0.01	0.49	100.00	AVRG
N-Nitrosomethylethylamine	0.5710000	0.5521600	0.5521600	0.01	-3.30	100.00	AVRG
Methyl Methanesulfonate	0.8820000	0.8562400	0.8562400	0.01	-2.92	100.00	AVRG
N-Nitrosodiethylamine	0.5670000	0.5356400	0.5356400	0.01	-5.53	100.00	AVRG
Ethyl Methanesulfonate	0.9020000	0.9258000	0.9258000	0.01	2.64	100.00	AVRG
Benzaldehyde	0.7400000	0.8135300	0.8135300	0.01	9.94	100.00	AVRG
Pentachloroethane	0.5080000	0.4968100	0.4968100	0.01	-2.20	100.00	AVRG
N-Nitrosopyrrolidine	0.5260000	0.4958100	0.4958100	0.01	-5.74	100.00	AVRG
Acetophenone	0.4140000	0.3846900	0.3846900	0.01	-7.08	100.00	AVRG
o-Toluidine	0.4480000	0.4197200	0.4197200	0.01	-6.31	100.00	AVRG
N-Nitrosomorpholine	0.6770000	0.6615100	0.6615100	0.01	-2.29	100.00	AVRG
N-Nitrosopiperidine	0.1600000	0.1421000	0.1421000	0.01	-11.19	100.00	AVRG
O,O,O-Triethylphosphorothioa	0.1680000	0.1410100	0.1410100	0.01	-16.06	100.00	AVRG
A,A-Dimethylphenethylamine	0.7190000	0.6073100	0.6073100	0.01	-15.53	100.00	AVRG
2,6-Dichlorophenol	0.2380000	0.2231500	0.2231500	0.01	-6.24	100.00	AVRG
Hexachloropropene	0.2500000	0.1961900	0.1961900	0.01	-21.52	100.00	AVRG
N-Nitroso-Di-N-Butylamine	0.2620000	0.2464400	0.2464400	0.01	-5.94	100.00	AVRG
p-Phenylenediamine	0.3900000	0.3655600	0.3655600	0.01	-6.27	100.00	AVRG
Caprolactam	9.2e-002	8.85e-002	8.85e-002	0.01	-3.80	100.00	AVRG
Isosafrole	0.2410000	0.2186000	0.2186000	0.01	-9.29	100.00	AVRG
1,2,4,5-Tetrachlorobenzene	0.5480000	0.5110000	0.5110000	0.01	-6.75	100.00	AVRG
Safrole	0.2250000	0.2193900	0.2193900	0.01	-2.49	100.00	AVRG
1,1'-Biphenyl	1.1560000	1.0894000	1.0894000	0.01	-5.76	100.00	AVRG
1-Chloronaphthalene	0.3340000	0.3272000	0.3272000	0.01	-2.04	100.00	AVRG
Diphenylether	0.6560000	0.6059200	0.6059200	0.01	-7.63	100.00	AVRG
1,4-Naphthoquinone	0.2910000	0.3383800	0.3383800	0.01	16.28	100.00	AVRG
Pentachlorobenzene	0.5130000	0.4627700	0.4627700	0.01	-9.79	100.00	AVRG

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0033 NAVSTA MAYPORT SDG No.: CTO33-6

Instrument ID: GCMS-U Calibration Date: 11/14/06 Time: 0957

Lab File ID: U6026 Init. Calib. Date(s): 09/22/06 09/22/06

Init. Calib. Times: 1617 1953

GC Column: DB5-MS ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
1-Naphthylamine	0.9640000	0.8399300	0.8399300	0.01	-12.87	100.00	AVRG	
2-Naphthylamine	0.9040000	0.6518600	0.6518600	0.01	-27.89	100.00	AVRG	
5-Nitro-O-Toluidine	0.2650000	0.2591200	0.2591200	0.01	-2.22	100.00	AVRG	
0,0-diethyl-o-2-pyrazinylpho	0.2160000	0.1932100	0.1932100	0.01	-10.55	100.00	AVRG	
Sulfotepp	0.1430000	0.1430500	0.1430500	0.01	0.03	100.00	AVRG	
Diallate	0.2560000	0.2597700	0.2597700	0.01	1.47	100.00	AVRG	
1,3,5-Trinitrobenzene	43.656000	50.000000	5.28e-002	0.01	-12.69	100.00	LINR	
Phorate	0.4460000	0.4346800	0.4346800	0.01	-2.54	100.00	AVRG	
Phenacetin	0.3570000	0.3789300	0.3789300	0.01	6.14	100.00	AVRG	
Dimethoate	52.941000	50.000000	0.2649000	0.01	5.88	100.00	2RDR	
Atrazine	41.949000	50.000000	0.1758400	0.01	-16.10	100.00	2RDR	
Pentachloronitrobenzene	0.1180000	0.1043800	0.1043800	0.01	-11.54	100.00	AVRG	
4-Aminobiphenyl	0.5890000	0.4196900	0.4196900	0.01	-28.74	100.00	AVRG	
Pronamide	0.3320000	0.3257000	0.3257000	0.01	-1.90	100.00	AVRG	
Disulfoton	0.3630000	0.3607800	0.3607800	0.01	-0.61	100.00	AVRG	
Methyl Parathion	51.940000	50.000000	0.2352100	0.01	3.88	100.00	2RDR	
4-Nitroquinoline-1-Oxide	4.6e-002	3.36e-002	3.36e-002	0.01	-26.96	100.00	AVRG	
Ethyl Parathion	8.2e-002	7.95e-002	7.95e-002	0.01	-3.05	100.00	AVRG	
Methapyrilene	67.371000	50.000000	0.2469000	0.01	34.74	100.00	2RDR	
Isodrin	0.1420000	0.1301500	0.1301500	0.01	-8.34	100.00	AVRG	
Aramite	7.3e-002	0.1097900	0.1097900	0.01	50.40	100.00	AVRG	
p-Dimethylaminoazobenzene	0.2420000	0.2847200	0.2847200	0.01	17.65	100.00	AVRG	
Chlorobenzilate	0.4020000	0.5205300	0.5205300	0.01	29.48	100.00	AVRG	
Famphur NOT Target	0.0000000	4.6e-003	4.6e-003	0.01	0.00	100.00	AVRG	<-
Kepone NOT Target	0.0000000	9.38e-003	9.38e-003	0.01	0.00	100.00	AVRG	<-
3,3'-Dimethylbenzidine	52.178000	50.000000	0.3497000	0.01	4.36	100.00	LINR	
2-Acetylaminofluorene	0.3660000	0.4097700	0.4097700	0.01	11.96	100.00	AVRG	
7,12-Dimethylbenz(A)Anthrace	0.5480000	0.5002500	0.5002500	0.01	-8.71	100.00	AVRG	
Hexachlorophene	0.0000000			0.01	0.00	100.00	AVRG	<-

unstable in calibration mix

FORM VII PEST

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0033 NAVSTA MAYPORT SDG No.: CTO33-6

Instrument ID: GCMS-U Calibration Date: 11/14/06 Time: 0957

Lab File ID: U6026 Init. Calib. Date(s): 09/22/06 09/22/06

Init. Calib. Times: 1617 1953

GC Column: DB5-MS ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
3-Methylcholanthrene	0.4060000	0.3855600	0.3855600	0.01	-5.03	100.00	AVRG
Dibenz(a,j)acridine	0.6710000	0.7205200	0.7205200	0.01	7.38	100.00	AVRG

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0033 NAVSTA MAYPORT SDG No.: CTO33-6

Instrument ID: GCMS-U Calibration Date: 11/14/06 Time: 1040

Lab File ID: U6027 Init. Calib. Date(s): 09/22/06 09/22/06

Init. Calib. Times: 1157 1533

GC Column: DB5-MS ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
N-Nitrosodimethylamine	0.6180000	0.6734600	0.6734600	0.01	8.97	100.00	AVRG
Pyridine	1.2520000	1.3540000	1.3540000	0.01	8.15	100.00	AVRG
Aniline	1.6300000	1.1450000	1.1450000	0.01	-29.76	100.00	AVRG
2,2'-Oxybis(1-Chloropropane)	1.3100000	1.0766000	1.0766000	0.01	-17.82	100.00	AVRG
Phenol	1.3490000	1.3439000	1.3439000	0.01	-0.38	20.00	AVRG
Bis(2-Chloroethyl)ether	1.0790000	1.4390000	1.4390000	0.01	33.36	100.00	AVRG
2-Chlorophenol	1.1720000	1.2088000	1.2088000	0.01	3.14	100.00	AVRG
1,3-Dichlorobenzene	1.2590000	1.2655000	1.2655000	0.01	0.52	100.00	AVRG
1,4-Dichlorobenzene	1.2680000	1.2811000	1.2811000	0.01	1.03	20.00	AVRG
Benzyl alcohol	0.6860000	0.7344500	0.7344500	0.01	7.06	100.00	AVRG
2-Methylphenol	0.9940000	1.1684000	1.1684000	0.01	17.54	100.00	AVRG
Bis(2-Chloroisopropyl)ether	1.3100000	0.7520700	0.7520700	0.01	42.59	100.00	AVRG
1,2-Dichlorobenzene	1.1920000	1.2196000	1.2196000	0.01	2.32	100.00	AVRG
N-Nitroso-di-n-propylamine	0.8000000	0.8231200	0.8231200	0.05	2.89	100.00	AVRG
3&4-Methylphenol	1.0440000	1.1533000	1.1533000	0.01	10.47	100.00	AVRG
Hexachloroethane	0.5770000	0.6039600	0.6039600	0.01	4.67	100.00	AVRG
Nitrobenzene	0.3220000	0.3301600	0.3301600	0.01	2.53	100.00	AVRG
Isophorone	0.5780000	0.5524400	0.5524400	0.01	-4.42	100.00	AVRG
2-Nitrophenol	0.1620000	0.1612600	0.1612600	0.01	-0.46	20.00	AVRG
2,4-Dimethylphenol	0.3190000	0.3318700	0.3318700	0.01	4.03	100.00	AVRG
Bis(2-Chloroethoxy)methane	0.3500000	0.3580600	0.3580600	0.01	2.30	100.00	AVRG
Benzoic acid Not Trap	33.843000	50.000000	0.1320000	0.01	32.31	100.00	LINR
2,4-Dichlorophenol	0.2590000	0.2565000	0.2565000	0.01	-0.96	20.00	AVRG
1,2,4-Trichlorobenzene	0.3020000	0.2754300	0.2754300	0.01	-8.80	100.00	AVRG
Naphthalene	0.8180000	0.7960100	0.7960100	0.01	-2.69	100.00	AVRG
4-Chloroaniline	0.3330000	9.53e-002	9.53e-002	0.01	-71.38	100.00	AVRG
Hexachlorobutadiene	0.1960000	0.1723800	0.1723800	0.01	-12.05	20.00	AVRG
4-Chloro-3-Methylphenol	0.2800000	0.2788800	0.2788800	0.01	-0.40	20.00	AVRG
2-Methylnaphthalene	0.5330000	0.5296200	0.5296200	0.01	-0.63	100.00	AVRG

FORM VII PEST

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0033 NAVSTA MAYPORT SDG No.: CTO33-6

Instrument ID: GCMS-U Calibration Date: 11/14/06 Time: 1040

Lab File ID: U6027 Init. Calib. Date(s): 09/22/06 09/22/06

Init. Calib. Times: 1157 1533

GC Column: DB5-MS ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
1-Methylnaphthalene	0.5450000	0.5229400	0.5229400	0.01	-4.05	100.00	AVRG
Hexachlorocyclopentadiene	0.2920000	0.2197900	0.2197900	0.05	-24.73	100.00	AVRG
2,4,6-Trichlorophenol	0.3300000	0.3234100	0.3234100	0.01	-2.00	20.00	AVRG
2,4,5-Trichlorophenol	0.3600000	0.3492900	0.3492900	0.01	-2.98	100.00	AVRG
Diethyl Adipate	0.3440000	0.3286100	0.3286100	0.01	-4.47	100.00	AVRG
2-Chloronaphthalene	0.2920000	0.2891100	0.2891100	0.01	-0.99	100.00	AVRG
2-Nitroaniline	0.2790000	0.3117000	0.3117000	0.01	11.72	100.00	AVRG
1,4-Dinitrobenzene	0.1910000	0.2006800	0.2006800	0.01	5.07	100.00	AVRG
Dimethyl Phthalate	1.0580000	1.0416000	1.0416000	0.01	-1.55	100.00	AVRG
1,3-Dinitrobenzene	0.1590000	0.1519000	0.1519000	0.01	-4.46	100.00	AVRG
2,6-Dinitrotoluene	0.2450000	0.2389200	0.2389200	0.01	-2.48	100.00	AVRG
Acenaphthylene	1.2660000	1.2622000	1.2622000	0.01	-0.30	100.00	AVRG
1,2-Dinitrobenzene	0.1670000	0.1687100	0.1687100	0.01	1.02	100.00	AVRG
UR 3-Nitroaniline UR	0.1980000	2.51e-002	2.51e-002	0.01	-87.32	100.00	AVRG
Acenaphthene	0.8020000	0.8089300	0.8089300	0.01	0.86	20.00	AVRG
Dibenzofuran	1.2340000	1.2082000	1.2082000	0.01	-2.09	100.00	AVRG
2,4-Dinitrophenol	37.779000	50.000000	0.1103300	0.05	-24.44	100.00	LINR
UJ 4-Nitrophenol	35.637000	50.000000	0.1000100	0.05	-28.73	100.00	LINR
2,4-Dinitrotoluene	0.3080000	0.3110000	0.3110000	0.01	0.97	100.00	AVRG
2,3,5,6-Tetrachlorophenol	0.3150000	0.2790700	0.2790700	0.01	-11.41	100.00	AVRG
2,3,4,6-Tetrachlorophenol	0.3080000	0.2790300	0.2790300	0.01	-9.40	100.00	AVRG
Diethylphthalate	1.0470000	1.0166000	1.0166000	0.01	-2.90	100.00	AVRG
Fluorene	1.0290000	0.9699900	0.9699900	0.01	-5.73	100.00	AVRG
4-Chlorophenyl-phenylether	0.5470000	0.5245200	0.5245200	0.01	-4.11	100.00	AVRG
UR 4-Nitroaniline UR	0.1900000	4.54e-002	4.54e-002	0.01	-76.10	100.00	AVRG
4,6-Dinitro-2-Methylphenol	0.1260000	0.1219600	0.1219600	0.01	-3.21	100.00	AVRG
N-Nitrosodiphenylamine/DPA	0.5220000	0.4663500	0.4663500	0.01	-10.66	20.00	AVRG
N-Nitrosodiphenylamine	0.5220000	0.4613500	0.4613500	0.01	-11.62	20.00	AVRG
Azobenzene	0.6700000	0.7061100	0.7061100	0.01	5.39	100.00	AVRG

FORM VII PEST

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0033 NAVSTA MAYPORT SDG No.: CTO33-6

Instrument ID: GCMS-U Calibration Date: 11/14/06 Time: 1040

Lab File ID: U6027 Init. Calib. Date(s): 09/22/06 09/22/06

Init. Calib. Times: 1157 1533

GC Column: DB5-MS ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
1,2-Diphenylhydrazine	0.6740000	0.7061800	0.7061800	0.01	4.77	100.00	AVRG	
4-Bromophenyl-phenylether	0.2160000	0.2163000	0.2163000	0.01	0.14	100.00	AVRG	
Hexachlorobenzene	0.2670000	0.2598300	0.2598300	0.01	-2.68	100.00	AVRG	
Pentachlorophenol	0.1540000	0.1266500	0.1266500	0.01	-17.76	20.00	AVRG	
Phenanthrene	0.9520000	0.9183400	0.9183400	0.01	-3.54	100.00	AVRG	
Dinoseb	0.0000000	50.000000	0.1179400	0.01	0.00	100.00	LINR	<-
Anthracene	0.9400000	0.9256700	0.9256700	0.01	-1.52	100.00	AVRG	
Carbazole Not target	0.6720000			0.01	-100.00	100.00	AVRG	<-
Di-n-butylphthalate	1.1010000	1.1167000	1.1167000	0.01	1.43	100.00	AVRG	
Fluoranthene	1.0040000	0.8740000	0.8740000	0.01	-12.95	20.00	AVRG	
Benzidine	0.0000000	50.000000	0.0000000	0.01	0.00	100.00	LINR	<-
Pyrene	1.2860000	1.5323000	1.5323000	0.01	19.15	100.00	AVRG	
Butylbenzylphthalate	0.5650000	0.7517600	0.7517600	0.01	33.06	100.00	AVRG	
Bis(2-ethylhexyl)adipate	0.4840000	0.7183100	0.7183100	0.01	48.41	100.00	AVRG	
Benzo(a)anthracene	1.0760000	0.9343400	0.9343400	0.01	-13.16	100.00	AVRG	
3,3'-Dichlorobenzidine	0.2430000	6.65e-002	6.65e-002	0.01	-72.63	100.00	AVRG	
Chrysene	1.0050000	1.0089000	1.0089000	0.01	0.39	100.00	AVRG	
bis(2-Ethylhexyl)phthalate	0.7670000	1.0385000	1.0385000	0.01	35.40	100.00	AVRG	
Di-n-octylphthalate	1.2820000	1.7526000	1.7526000	0.01	36.71	20.00	AVRG	<-
Benzo(b)fluoranthene	1.0030000	0.9155800	0.9155800	0.01	-8.72	100.00	AVRG	
Benzo(k)fluoranthene	1.0660000	1.0133000	1.0133000	0.01	-4.94	100.00	AVRG	
Benzo(a)pyrene	0.9410000	0.8477700	0.8477700	0.01	-9.91	20.00	AVRG	
Indeno(1,2,3-cd)pyrene	0.7010000	0.9524200	0.9524200	0.01	35.87	100.00	AVRG	
Dibenzo(a,h)anthracene	0.7740000	0.7522000	0.7522000	0.01	-2.82	100.00	AVRG	
Benzo(g,h,i)perylene	0.8140000	0.8208400	0.8208400	0.01	0.84	100.00	AVRG	
2-Fluorophenol	1.2620000	1.1866000	1.1866000	0.01	-5.97	100.00	AVRG	
Phenol-D6	1.4500000	1.3997000	1.3997000	0.01	-3.47	100.00	AVRG	
Nitrobenzene-D5	0.3650000	0.3401100	0.3401100	0.01	-6.82	100.00	AVRG	

FORM VII PEST

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0033 NAVSTA MAYPORT SDG No.: CTO33-6

Instrument ID: GCMS-U Calibration Date: 11/14/06 Time: 1040

Lab File ID: U6027 Init. Calib. Date(s): 09/22/06 09/22/06

Init. Calib. Times: 1157 1533

GC Column: DB5-MS ID: 0.25 (mm)

COMPOUND	RRF or AMOUNT	RRF50.000 or AMOUNT	CCAL RRF50.000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
2-Fluorobiphenyl	1.0650000	0.9515000	0.9515000	0.01	-10.66	100.00	AVRG
2,4,6-Tribromophenol	0.2460000	0.2136700	0.2136700	0.01	-13.14	100.00	AVRG
Terphenyl-D14	0.9250000	1.0671000	1.0671000	0.01	15.36	100.00	AVRG

FORM 4
SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG33955-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0033 NAVSTA MAYPORT SDG No.: CTO33-6

Lab File ID: U6011 Lab Sample ID: WG33955-1

Instrument ID: GCMS-U Date Extracted: 11/09/06

Matrix: (soil/water) WATER Date Analyzed: 11/13/06

Level: (low/med) LOW Time Analyzed: 1134

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

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	WG33955-LCS	WG33955-2	U6012	11/13/06	1218
02	WG33955-LCSD	WG33955-3	U6013	11/13/06	1301
03	PT10-GW-MW01S-11060	WW6011-1	U6028	11/14/06	1135
04	PT08-GW-MW22S-11060	WW6011-2	U6029	11/14/06	1219
05	PT08-GW-MW21S-11060	WW6011-3	U6030	11/14/06	1539
06	PT09-GW-MW06S-11060	WW6011-4	U6031	11/14/06	1622
07	PT09-GW-MW06S-11070	WW6039-1	U6032	11/14/06	1706
08	PT09-GW-MW04S-11070	WW6039-2	U6033	11/14/06	1749
09	PT09-GW-MW05S-11070	WW6039-3	U6034	11/14/06	1833
10	PT09-GW-RB01-110706	WW6039-4	U6035	11/14/06	1916
11					
12					
13					
14					
15					
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17					
18					
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20					
21					
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23					
24					
25					
26					
27					
28					
29					
30					

COMMENTS:

FORM IV SV

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date:
Received Date:
Extraction Date: 11/09/06
Analysis Date: 11/13/06
Report Date: 11/20/2006
Matrix: WATER

Lab ID: WG33955-2 & WG33955-3
Client ID: WG33955-LCS & WG33955-LCSD
SDG: CTO33-6
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG33955
Units: ug/L

COMPOUND	LCS SPIKE	LCSD SPIKE	SAMPLE CONC.	LCS CONC.	LCSD CONC.	LCS %REC.	LCSD %REC.		%RPD	%RPD LIMIT	QC. LIMITS
N-Nitrosodimethylamine	50	50	NA	26	30	52	59		13	30	13-111
Pyridine	50	50	NA	17	25	34	50	*	39	30	10-101
2-Picoline	50	50	NA	16	29	33	58	*	56	30	30-150
N-Nitrosomethylethylamine	50	50	NA	29	33	57	66		14	30	30-150
Methyl Methanesulfonate	100	100	NA	54	57	54	57		6	30	30-150
N-Nitrosodiethylamine	50	50	NA	31	33	61	66		8	30	30-150
Ethyl Methanesulfonate	100	100	NA	71	71	71	71		0.6	30	30-150
Aniline	50	50	NA	34	37	69	74		8	30	29-102
Phenol	100	100	NA	41	42	41	42		2	30	10-126
Bis(2-Chloroethyl)ether	50	50	NA	34	38	68	75		10	30	35-109
2-Chlorophenol	100	100	NA	67	69	67	69		3	30	52-112
Benzyl alcohol	50	50	NA	45	46	91	92		1	30	13-134
2-Methylphenol	100	100	NA	76	75	76	75		2	30	31-105
Bis(2-Chloroisopropyl)ether	50	50	NA	36	40	73	80		9	30	32-108
N-Nitrosopyrrolidine	50	50	NA	34	35	68	71		4	30	30-150
Acetophenone	100	100	NA	70	72	70	72		3	30	39-123
N-Nitroso-di-n-propylamine	50	50	NA	36	36	71	72		1	30	36-106
o-Toluidine	50	50	NA	32	31	63	62		1.0	30	30-150
3&4-Methylphenol	100	100	NA	75	75	75	75		0.4	30	24-116
N-Nitrosomorpholine	50	50	NA	38	39	75	77		2	30	30-150
Hexachloroethane	50	50	NA	23	24	45	49		8	30	30- 95
Nitrobenzene	50	50	NA	34	36	69	72		5	30	44-112
N-Nitrosopiperidine	50	50	NA	37	38	73	75		2	30	30-150
Isophorone	50	50	NA	38	38	76	76		0.3	30	50-110
2-Nitrophenol	100	100	NA	69	71	69	71		3	30	49-108
2,4-Dimethylphenol	100	100	NA	79	77	79	77		2	30	48-105
O,O,O-Triethylphosphorothioat	50	50	NA	30	28	60	57		6	30	30-150
Bis(2-Chloroethoxy)methane	50	50	NA	40	37	79	74		6	30	52-101
2,4-Dichlorophenol	100	100	NA	82	80	82	80		3	30	57-110
1,2,4-Trichlorobenzene	50	50	NA	23	25	47	50		7	30	31-114
Naphthalene	50	50	NA	30	31	60	61		2	30	33-109
A,A-Dimethylphenethylamine			NA							30	30-150
2,6-Dichlorophenol	100	100	NA	82	79	82	79		4	30	30-150
4-Chloroaniline	50	50	NA	41	42	82	85		4	30	29- 98
Hexachloropropene	50	50	NA	12	12	* 25	* 24		4	30	30-150
Hexachlorobutadiene	50	50	NA	21	23	43	46		8	30	30-107
N-Nitroso-Di-N-Butylamine	50	50	NA	31	32	63	64		1	30	30-150
p-Phenylenediamine			NA							30	30-150
4-Chloro-3-Methylphenol	100	100	NA	82	81	82	81		2	30	46-150
Safrole	50	50	NA	36	35	72	70		2	30	30-150
Isosafrole	50	50	NA	28	26	57	52		10	30	30-150
2-Methylnaphthalene	50	50	NA	34	33	69	67		3	30	48-121
Hexachlorocyclopentadiene	50	50	NA	13	12	26	24		10	30	10-106
1,2,4,5-Tetrachlorobenzene	50	50	NA	28	25	55	51		9	30	30-150
2,4,6-Trichlorophenol	100	100	NA	81	80	81	80		0.5	30	69-105

FORM III SV-1

U6012.D & U6013.D

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date:
Received Date:
Extraction Date: 11/09/06
Analysis Date: 11/13/06
Report Date: 11/20/2006
Matrix: WATER

Lab ID: WG33955-2 & WG33955-3
Client ID: WG33955-LCS & WG33955-LCSD
SDG: CTO33-6
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG33955
Units: ug/L

COMPOUND	LCS SPIKE	LCSD SPIKE	SAMPLE CONC.	LCS CONC.	LCSD CONC.	LCS %REC.	LCSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
2,4,5-Trichlorophenol	100	100	NA	85	84	85	84	0.5	30	58-117
2-Chloronaphthalene	50	50	NA	40	37	79	74	8	30	33-119
2-Nitroaniline	50	50	NA	51	54	102	109	6	30	45-127
1,4-Naphthoquinone			NA						30	30-150
Dimethyl Phthalate			NA						30	10-149
1,3-Dinitrobenzene	50	50	NA	40	44	80	87	8	30	30-150
2,6-Dinitrotoluene	50	50	NA	42	43	85	87	2	30	51-120
Acenaphthylene	50	50	NA	40	41	80	81	1	30	49-117
3-Nitroaniline	50	50	NA	51	54	101	108	6	30	20-125
Acenaphthene	50	50	NA	36	35	72	71	2	30	45-116
2,4-Dinitrophenol	100	100	NA	77	65	77	65	17	30	15-140
Pentachlorobenzene	50	50	NA	31	30	62	60	4	30	30-150
Dibenzofuran	50	50	NA	38	38	76	76	0.3	30	53-124
4-Nitrophenol	100	100	NA	35	30	35	30	14	30	10-158
2,4-Dinitrotoluene	50	50	NA	44	46	88	92	4	30	44-133
1-Naphthylamine	50	50	NA	22	27	44	54	19	30	30-150
2,3,4,6-Tetrachlorophenol	100	100	NA	80	79	80	79	2	30	30-150
2-Naphthylamine	50	50	NA	20	26	41	53	26	30	30-150
Diethylphthalate	50	50	NA	19	20	37	39	6	30	20-139
Fluorene	50	50	NA	38	38	76	77	1	30	46-127
4-Chlorophenyl-phenylether	50	50	NA	36	37	72	75	3	30	48-136
5-Nitro-O-Toluidine	50	50	NA	40	45	79	90	12	30	30-150
0,0-diethyl-o-2-pyrazinylphos	50	50	NA	36	37	71	74	4	30	30-150
4-Nitroaniline	50	50	NA	52	55	104	110	5	30	15-145
4,6-Dinitro-2-Methylphenol	100	100	NA	92	93	92	93	0.3	30	10-150
N-Nitrosodiphenylamine/DPA	50	50	NA	72	76	144	* 151	5	30	30-150
Sulfotepp	50	50	NA	31	32	62	64	3	30	30-150
Diallate	50	50	NA	41	44	83	87	5	30	30-150
1,3,5-Trinitrobenzene	50	50	NA	9.1	9.7	* 18	* 19	7	30	30-150
4-Bromophenyl-phenylether	50	50	NA	41	41	82	82	0.5	30	68-129
Phenacetin	50	50	NA	46	49	91	99	8	30	30-150
Hexachlorobenzene	50	50	NA	40	42	80	84	5	30	67-141
Dimethoate			NA						30	30-150
Pentachlorophenol	100	100	NA	83	75	83	75	10	30	10-174
Pentachloronitrobenzene	50	50	NA	38	39	77	77	0.2	30	30-150
4-Aminobiphenyl	50	50	NA	18	33	36	66	* 59	30	30-150
Pronamide	50	50	NA	38	40	76	80	6	30	30-150
Phenanthrene	50	50	NA	40	42	81	84	3	30	51-139
Dinoseb	50	50	NA	55	56	111	111	0.4	30	30-150
Anthracene	50	50	NA	38	40	77	81	6	30	53-133
Di-n-butylphthalate	50	50	NA	36	36	72	72	1	30	14-165
4-Nitroquinoline-1-Oxide	50	50	NA	31	35	63	69	10	30	30-150
Methapyrilene	50	50	NA	18	61	36	122	* 110	30	30-150
Isodrin	50	50	NA	37	36	73	72	2	30	30-150
Fluoranthene	50	50	NA	43	44	86	88	2	30	32-172

FORM III SV-1

U6012.D & U6013.D

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date:
Received Date:
Extraction Date: 11/09/06
Analysis Date: 11/13/06
Report Date: 11/20/2006
Matrix: WATER

Lab ID: WG33955-2 & WG33955-3
Client ID: WG33955-LCS & WG33955-LCSD
SDG: CTO33-6
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG33955
Units: ug/L

COMPOUND	LCS SPIKE	LCSD SPIKE	SAMPLE CONC.	LCS CONC.	LCSD CONC.	LCS %REC.	LCSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
Pyrene	50	50	NA	46	46	91	93	2	30	49-119
Aramite			NA						30	30-150
p-Dimethylaminoazobenzene	50	50	NA	43	43	86	86	0.5	30	30-150
Chlorobenzilate			NA						30	30-150
3,3'-Dimethylbenzidine	50	50	NA	22	38	44	76 *	52	30	30-150
Butylbenzylphthalate	50	50	NA	30	28	59	57	5	30	30-126
2-Acetylaminofluorene	50	50	NA	49	50	98	101	3	30	30-150
Benzo(a)anthracene	50	50	NA	39	40	78	79	2	30	53-111
3,3'-Dichlorobenzidine	50	50	NA	56	63	* 112	* 126	12	30	38-101
Chrysene	50	50	NA	39	40	78	80	2	30	59-120
bis(2-Ethylhexyl)phthalate	50	50	NA	51	51	102	101	0.8	30	39-125
Di-n-octylphthalate	50	50	NA	51	49	101	98	3	30	31-136
Benzo(b)fluoranthene	50	50	NA	39	39	79	78	0.8	30	52-120
7,12-Dimethylbenz(A)Anthracen	50	50	NA	35	34	69	69	0.6	30	30-150
Benzo(k)fluoranthene	50	50	NA	39	39	77	78	1	30	56-126
Hexachlorophene			NA						30	30-150
Benzo(a)pyrene	50	50	NA	39	40	78	81	4	30	51-120
3-Methylcholanthrene	50	50	NA	43	45	85	90	5	30	30-150
Indeno(1,2,3-cd)pyrene	50	50	NA	44	49	88	98	10	30	32-143
Dibenzo(a,h)anthracene	50	50	NA	41	47	81	95	15	30	37-134
Benzo(g,h,i)perylene	50	50	NA	43	45	86	90	5	30	32-143

FORM III SV-1 U6012.D & U6013.D

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date:
Received Date:
Extraction Date: 11/09/06
Analysis Date: 11/13/06
Report Date: 11/28/2006
Matrix: WATER

Lab ID: WG33955-2 & WG33955-3
Client ID: WG33955-LCS & WG33955-LCSD
SDG: CTO33-6
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG33955
Units: ug/L

COMPOUND	LCS SPIKE	LCSD SPIKE	SAMPLE CONC.	LCS CONC.	LCSD CONC.	LCS %REC.	LCSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
N-Nitrosodimethylamine	50	50	NA	26	30	52	59	13	30	13-111
Pyridine	50	50	NA	17	25	34	50	* 39	30	10-101
2-Picoline	50	50	NA	16	29	33	58	* 56	30	30-150
N-Nitrosomethylethylamine	50	50	NA	21	26	42	53	23	30	30-150
Methyl Methanesulfonate	100	100	NA	54	57	54	57	6	30	30-150
N-Nitrosodiethylamine	50	50	NA	31	33	61	66	8	30	30-150
Ethyl Methanesulfonate	100	100	NA	71	71	71	71	0.6	30	30-150
Aniline	50	50	NA	34	37	69	74	8	30	29-102
Phenol	100	100	NA	41	42	41	42	2	30	10-126
Bis(2-Chloroethyl)ether	50	50	NA	34	38	68	75	10	30	35-109
2-Chlorophenol	100	100	NA	67	69	67	69	3	30	52-112
Benzyl alcohol	50	50	NA	45	46	91	92	1	30	13-134
2-Methylphenol	100	100	NA	76	75	76	75	2	30	31-105
Bis(2-Chloroisopropyl)ether	50	50	NA	36	20	73	39	* 60	30	32-108
N-Nitrosopyrrolidine	50	50	NA	34	35	68	71	4	30	30-150
Acetophenone	100	100	NA	70	72	70	72	3	30	39-123
N-Nitroso-di-n-propylamine	50	50	NA	36	36	71	72	1	30	36-106
o-Toluidine	50	50	NA	32	31	63	62	1.0	30	30-150
3&4-Methylphenol	100	100	NA	75	75	75	75	0.4	30	24-116
N-Nitrosomorpholine	50	50	NA	38	39	75	77	2	30	30-150
Hexachloroethane	50	50	NA	23	24	45	49	8	30	30- 95
Nitrobenzene	50	50	NA	34	36	69	72	5	30	44-112
N-Nitrosopiperidine	50	50	NA	37	38	73	75	2	30	30-150
Isophorone	50	50	NA	38	38	76	76	0.3	30	50-110
2-Nitrophenol	100	100	NA	69	71	69	71	3	30	49-108
2,4-Dimethylphenol	100	100	NA	79	77	79	77	2	30	48-105
O,O,O-Triethylphosphorothioat	50	50	NA	30	28	60	57	6	30	30-150
Bis(2-Chloroethoxy)methane	50	50	NA	40	37	79	74	6	30	52-101
2,4-Dichlorophenol	100	100	NA	82	80	82	80	3	30	57-110
1,2,4-Trichlorobenzene	50	50	NA	23	25	47	50	7	30	31-114
Naphthalene	50	50	NA	30	31	60	61	2	30	33-109
A,A-Dimethylphenethylamine			NA						30	30-150
2,6-Dichlorophenol	100	100	NA	82	79	82	79	4	30	30-150
4-Chloroaniline	50	50	NA	41	42	82	85	4	30	29- 98
Hexachloropropene	50	50	NA	12	12	* 25	24	4	30	30-150
Hexachlorobutadiene	50	50	NA	21	23	43	46	8	30	30-107
N-Nitroso-Di-N-Butylamine	50	50	NA	31	32	63	64	1	30	30-150
p-Phenylenediamine			NA						30	30-150
4-Chloro-3-Methylphenol	100	100	NA	82	81	82	81	2	30	46-150
Safrole	50	50	NA	36	35	72	70	2	30	30-150
Isosafrole	50	50	NA	28	26	57	52	10	30	30-150
2-Methylnaphthalene	50	50	NA	34	33	69	67	3	30	48-121
Hexachlorocyclopentadiene	50	50	NA	13	12	26	24	10	30	10-106
1,2,4,5-Tetrachlorobenzene	50	50	NA	28	25	55	51	9	30	30-150
2,4,6-Trichlorophenol	100	100	NA	81	80	81	80	0.5	30	69-105

FORM III SV-1
U6012.D & U6013.D

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date:
Received Date:
Extraction Date: 11/09/06
Analysis Date: 11/13/06
Report Date: 11/28/2006
Matrix: WATER

Lab ID: WG33955-2 & WG33955-3
Client ID: WG33955-LCS & WG33955-LCSD
SDG: CTO33-6
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG33955
Units: ug/L

COMPOUND	LCS SPIKE	LCSD SPIKE	SAMPLE CONC.	LCS CONC.	LCSD CONC.	LCS %REC.	LCSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
2,4,5-Trichlorophenol	100	100	NA	85	84	85	84	0.5	30	58-117
2-Chloronaphthalene	50	50	NA	40	37	79	74	8	30	33-119
2-Nitroaniline	50	50	NA	51	54	102	109	6	30	45-127
1,4-Naphthoquinone			NA						30	30-150
Dimethyl Phthalate	50	50	NA	3.0	3.3	* 6	* 7	9	30	10-149
1,3-Dinitrobenzene	50	50	NA	40	44	80	87	8	30	30-150
2,6-Dinitrotoluene	50	50	NA	42	43	85	87	2	30	51-120
Acenaphthylene	50	50	NA	40	41	80	81	1	30	49-117
3-Nitroaniline	50	50	NA	51	54	101	108	6	30	20-125
Acenaphthene	50	50	NA	36	35	72	71	2	30	45-116
2,4-Dinitrophenol	100	100	NA	77	65	77	65	17	30	15-140
Pentachlorobenzene	50	50	NA	31	30	62	60	4	30	30-150
Dibenzofuran	50	50	NA	38	38	76	76	0.3	30	53-124
4-Nitrophenol	100	100	NA	35	29	35	29	18	30	10-158
2,4-Dinitrotoluene	50	50	NA	44	46	88	92	4	30	44-133
1-Naphthylamine	50	50	NA	22	27	44	54	19	30	30-150
2,3,4,6-Tetrachlorophenol	100	100	NA	80	79	80	79	2	30	30-150
2-Naphthylamine	50	50	NA	20	26	41	53	26	30	30-150
Diethylphthalate	50	50	NA	19	20	37	39	6	30	20-139
Fluorene	50	50	NA	38	38	76	77	1	30	46-127
4-Chlorophenyl-phenylether	50	50	NA	36	37	72	75	3	30	48-136
5-Nitro-O-Toluidine	50	50	NA	40	45	79	90	12	30	30-150
0,0-diethyl-o-2-pyrazinylphos	50	50	NA	36	37	71	74	4	30	30-150
4-Nitroaniline	50	50	NA	52	55	104	110	5	30	15-145
4,6-Dinitro-2-Methylphenol	100	100	NA	92	93	92	93	0.3	30	10-150
N-Nitrosodiphenylamine/DPA	50	50	NA	72	76	144	* 151	5	30	30-150
Sulfotepp	50	50	NA	31	32	62	64	3	30	30-150
Diallate	50	50	NA	41	44	83	87	5	30	30-150
1,3,5-Trinitrobenzene	50	50	NA	7.8	9.7	* 16	* 19	22	30	30-150
4-Bromophenyl-phenylether	50	50	NA	41	41	82	82	0.5	30	68-129
Phenacetin	50	50	NA	37	49	73	99	30	30	30-150
Hexachlorobenzene	50	50	NA	40	42	80	84	5	30	67-141
Dimethoate			NA						30	30-150
Pentachlorophenol	100	100	NA	83	75	83	75	10	30	10-174
Pentachloronitrobenzene	50	50	NA	38	39	77	77	0.2	30	30-150
4-Aminobiphenyl	50	50	NA	18	33	36	66	* 59	30	30-150
Pronamide	50	50	NA	38	40	76	80	6	30	30-150
Phenanthrene	50	50	NA	40	42	81	84	3	30	51-139
Dinoseb	50	50	NA	55	56	111	111	0.4	30	30-150
Anthracene	50	50	NA	38	40	77	81	6	30	53-133
Di-n-butylphthalate	50	50	NA	36	36	72	72	1	30	14-165
4-Nitroquinoline-1-Oxide	50	50	NA	31	35	63	69	10	30	30-150
Methapyrilene	50	50	NA	18	61	36	122	* 110	30	30-150
Isodrin	50	50	NA	37	36	73	72	2	30	30-150
Fluoranthene	50	50	NA	43	44	86	88	2	30	32-172

FORM III SV-1
U6012.D & U6013.D

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date:
Received Date:
Extraction Date: 11/09/06
Analysis Date: 11/13/06
Report Date: 11/28/2006
Matrix: WATER

Lab ID: WG33955-2 & WG33955-3
Client ID: WG33955-LCS & WG33955-LCSD
SDG: CTO33-6
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG33955
Units: ug/L

COMPOUND	LCS SPIKE	LCSD SPIKE	SAMPLE CONC.	LCS CONC.	LCSD CONC.	LCS %REC.	LCSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
Pyrene	50	50	NA	46	46	91	93	2	30	49-119
Aramite			NA						30	30-150
p-Dimethylaminoazobenzene	50	50	NA	43	43	86	86	0.5	30	30-150
Chlorobenzilate			NA						30	30-150
3,3'-Dimethylbenzidine	50	50	NA	22	38	44	76	* 52	30	30-150
Butylbenzylphthalate	50	50	NA	30	28	59	57	5	30	30-126
2-Acetylaminofluorene	50	50	NA	49	50	98	101	3	30	30-150
Benzo(a)anthracene	50	50	NA	39	40	78	79	2	30	53-111
3,3'-Dichlorobenzidine	50	50	NA	56	63	* 112	* 126	12	30	38-101
Chrysene	50	50	NA	39	40	78	80	2	30	59-120
bis(2-Ethylhexyl)phthalate	50	50	NA	51	51	102	101	0.8	30	39-125
Di-n-octylphthalate	50	50	NA	51	49	101	98	3	30	31-136
Benzo(b)fluoranthene	50	50	NA	39	39	79	78	0.8	30	52-120
7,12-Dimethylbenz(A)Anthracen	50	50	NA	35	34	69	69	0.6	30	30-150
Benzo(k)fluoranthene	50	50	NA	39	39	77	78	1	30	56-126
Hexachlorophene			NA						30	30-150
Benzo(a)pyrene	50	50	NA	39	40	78	81	4	30	51-120
3-Methylcholanthrene	50	50	NA	43	45	85	90	5	30	30-150
Indeno(1,2,3-cd)pyrene	50	50	NA	44	49	88	98	10	30	32-143
Dibenzo(a,h)anthracene	50	50	NA	41	47	81	95	15	30	37-134
Benzo(g,h,i)perylene	50	50	NA	43	45	86	90	5	30	32-143

FORM III SV-1

U6012.D & U6013.D

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date:
Received Date:
Extraction Date: 11/09/06
Analysis Date: 11/13/06
Report Date: 11/28/2006
Matrix: WATER

Lab ID: WG33955-2 & WG33955-3
Client ID: WG33955-LCS & WG33955-LCSD
SDG: CTO33-6
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG33955
Units: ug/L

COMPOUND	LCS SPIKE	LCSD SPIKE	SAMPLE CONC.	LCS CONC.	LCSD CONC.	LCS %REC.	LCSD %REC.		%RPD	%RPD LIMIT	QC. LIMITS
N-Nitrosodimethylamine	50	50	NA	26	30	52	59		13	30	13-111
Pyridine	50	50	NA	17	25	34	50	*	39	30	10-101
2-Picoline	50	50	NA	16	29	33	58	*	56	30	30-150
N-Nitrosomethylethylamine	50	50	NA	21	26	42	53		23	30	30-150
Methyl Methanesulfonate	100	100	NA	54	57	54	57		6	30	30-150
N-Nitrosodiethylamine	50	50	NA	31	33	61	66		8	30	30-150
Ethyl Methanesulfonate	100	100	NA	71	71	71	71		0.6	30	30-150
Aniline	50	50	NA	34	37	69	74		8	30	29-102
Phenol	100	100	NA	41	42	41	42		2	30	10-126
Bis(2-Chloroethyl)ether	50	50	NA	34	38	68	75		10	30	35-109
2-Chlorophenol	100	100	NA	67	69	67	69		3	30	52-112
Benzyl alcohol	50	50	NA	45	46	91	92		1	30	13-134
2-Methylphenol	100	100	NA	76	75	76	75		2	30	31-105
Bis(2-Chloroisopropyl)ether	50	50	NA	36	20	73	39	*	60	30	32-108
N-Nitrosopyrrolidine	50	50	NA	34	35	68	71		4	30	30-150
Acetophenone	100	100	NA	70	72	70	72		3	30	39-123
N-Nitroso-di-n-propylamine	50	50	NA	36	36	71	72		1	30	36-106
o-Toluidine	50	50	NA	32	31	63	62		1.0	30	30-150
3&4-Methylphenol	100	100	NA	75	75	75	75		0.4	30	24-116
N-Nitrosomorpholine	50	50	NA	38	39	75	77		2	30	30-150
Hexachloroethane	50	50	NA	23	24	45	49		8	30	30- 95
Nitrobenzene	50	50	NA	34	36	69	72		5	30	44-112
N-Nitrosopiperidine	50	50	NA	37	38	73	75		2	30	30-150
Isophorone	50	50	NA	38	38	76	76		0.3	30	50-110
2-Nitrophenol	100	100	NA	69	71	69	71		3	30	49-108
2,4-Dimethylphenol	100	100	NA	79	77	79	77		2	30	48-105
O,O,O-Triethylphosphorothioat	50	50	NA	30	28	60	57		6	30	30-150
Bis(2-Chloroethoxy)methane	50	50	NA	40	37	79	74		6	30	52-101
2,4-Dichlorophenol	100	100	NA	82	80	82	80		3	30	57-110
1,2,4-Trichlorobenzene	50	50	NA	23	25	47	50		7	30	31-114
Naphthalene	50	50	NA	30	31	60	61		2	30	33-109
4,A-Dimethylphenethylamine (UR)			NA			O %R				30	30-150
2,6-Dichlorophenol	100	100	NA	82	79	82	79		4	30	30-150
4-Chloroaniline	50	50	NA	41	42	82	85		4	30	29- 98
Hexachloropropene	50	50	NA	12	12	* 25	* 24		4	30	30-150
Hexachlorobutadiene	50	50	NA	21	23	43	46		8	30	30-107
N-Nitroso-Di-N-Butylamine	50	50	NA	31	32	63	64		1	30	30-150
p-Phenylenediamine (UR)			NA			O %R				30	30-150
4-Chloro-3-Methylphenol	100	100	NA	82	81	82	81		2	30	46-150
Safrole	50	50	NA	36	35	72	70		2	30	30-150
Isosafrole	50	50	NA	28	26	57	52		10	30	30-150
2-Methylnaphthalene	50	50	NA	34	33	69	67		3	30	48-121
Hexachlorocyclopentadiene	50	50	NA	13	12	26	24		10	30	10-106
1,2,4,5-Tetrachlorobenzene	50	50	NA	28	25	55	51		9	30	30-150
2,4,6-Trichlorophenol	100	100	NA	81	80	81	80		0.5	30	69-105

FORM III SV-1

U6012.D & U6013.D

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date:
Received Date:
Extraction Date: 11/09/06
Analysis Date: 11/13/06
Report Date: 11/28/2006
Matrix: WATER

Lab ID: WG33955-2 & WG33955-3
Client ID: WG33955-LCS & WG33955-LCSD
SDG: CTO33-6
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG33955
Units: ug/L

COMPOUND	LCS SPIKE	LCSD SPIKE	SAMPLE CONC.	LCS CONC.	LCSD CONC.	LCS %REC.	LCSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
2,4,5-Trichlorophenol	100	100	NA	85	84	85	84	0.5	30	58-117
2-Chloronaphthalene	50	50	NA	40	37	79	74	8	30	33-119
2-Nitroaniline UR	50	50	NA	51	54	102	109	6	30	45-127
1,4-Naphthoquinone			NA			0 SOR			30	30-150
Dimethyl Phthalate UR	50	50	NA	3.0	3.3	* 6	* 7	UR 9	30	10-149
1,3-Dinitrobenzene	50	50	NA	40	44	80	87	8	30	30-150
2,6-Dinitrotoluene	50	50	NA	42	43	85	87	2	30	51-120
Acenaphthylene	50	50	NA	40	41	80	81	1	30	49-117
3-Nitroaniline	50	50	NA	51	54	101	108	6	30	20-125
Acenaphthene	50	50	NA	36	35	72	71	2	30	45-116
2,4-Dinitrophenol	100	100	NA	77	65	77	65	17	30	15-140
Pentachlorobenzene	50	50	NA	31	30	62	60	4	30	30-150
Dibenzofuran	50	50	NA	38	38	76	76	0.3	30	53-124
4-Nitrophenol	100	100	NA	35	29	35	29	18	30	10-158
2,4-Dinitrotoluene	50	50	NA	44	46	88	92	4	30	44-133
1-Naphthylamine	50	50	NA	22	27	44	54	19	30	30-150
2,3,4,6-Tetrachlorophenol	100	100	NA	80	79	80	79	2	30	30-150
2-Naphthylamine	50	50	NA	20	26	41	53	26	30	30-150
Diethylphthalate	50	50	NA	19	20	37	39	6	30	20-139
Fluorene	50	50	NA	38	38	76	77	1	30	46-127
4-Chlorophenyl-phenylether	50	50	NA	36	37	72	75	3	30	48-136
5-Nitro-O-Toluidine	50	50	NA	40	45	79	90	12	30	30-150
0,0-diethyl-o-2-pyrazinylphos	50	50	NA	36	37	71	74	4	30	30-150
4-Nitroaniline	50	50	NA	52	55	104	110	5	30	15-145
4,6-Dinitro-2-Methylphenol	100	100	NA	92	93	92	93	0.3	30	10-150
N-Nitrosodiphenylamine/DPA	50	50	NA	72	76	144 *	151	ND HIB 5	30	30-150
Sulfotepp	50	50	NA	31	32	62	64	3	30	30-150
Diallate	50	50	NA	41	44	83	87	5	30	30-150
1,3,5-Trinitrobenzene	50	50	NA	7.8	9.7	* 16	* 19	22	30	30-150
4-Bromophenyl-phenylether	50	50	NA	41	41	82	82	0.5	30	68-129
Phenacetin	50	50	NA	37	49	73	99	30	30	30-150
Hexachlorobenzene	50	50	NA	40	42	80	84	5	30	67-141
Dimethoate UR			NA			0 SOR			30	30-150
Pentachlorophenol	100	100	NA	83	75	83	75	10	30	10-174
Pentachloronitrobenzene	50	50	NA	38	39	77	77	0.2	30	30-150
4-Aminobiphenyl	50	50	NA	18	33	36	66 *	59	30	30-150
Pronamide	50	50	NA	38	40	76	80	6	30	30-150
Phenanthrene	50	50	NA	40	42	81	84	3	30	51-139
Dinoseb	50	50	NA	55	56	111	111	0.4	30	30-150
Anthracene	50	50	NA	38	40	77	81	6	30	53-133
Di-n-butylphthalate	50	50	NA	36	36	72	72	1	30	14-165
4-Nitroquinoline-1-Oxide	50	50	NA	31	35	63	69	10	30	30-150
Methapyrilene	50	50	NA	18	61	36	122 *	110	30	30-150
Isodrin	50	50	NA	37	36	73	72	2	30	30-150
Fluoranthene	50	50	NA	43	44	86	88	2	30	32-172

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date:
Received Date:
Extraction Date: 11/09/06
Analysis Date: 11/13/06
Report Date: 11/28/2006
Matrix: WATER

Lab ID: WG33955-2 & WG33955-3
Client ID: WG33955-LCS & WG33955-LCSD
SDG: CTO33-6
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG33955
Units: ug/L

COMPOUND	LCS SPIKE	LCSD SPIKE	SAMPLE CONC.	LCS CONC.	LCSD CONC.	LCS %REC.	LCSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
Pyrene	50	50	NA	46	46	91	93	2	30	49-119
Aramite UR			NA			0 %R			30	30-150
p-Dimethylaminoazobenzene	50	50	NA	43	43	86	86	0.5	30	30-150
Chlorobenzilate UR			NA			0 %R			30	30-150
3,3'-Dimethylbenzidine	50	50	NA	22	38	44	76 *	52	30	30-150
Butylbenzylphthalate	50	50	NA	30	28	59	57	5	30	30-126
2-Acetylaminofluorene	50	50	NA	49	50	98	101	3	30	30-150
Benzo(a)anthracene	50	50	NA	39	40	78	79	2	30	53-111
3,3'-Dichlorobenzidine	50	50	NA	56	63	* 112	* 126	12	30	38-101
Chrysene	50	50	NA	39	40	78	80	2	30	59-120
bis(2-Ethylhexyl)phthalate	50	50	NA	51	51	102	101	0.8	30	39-125
Di-n-octylphthalate	50	50	NA	51	49	101	98	3	30	31-136
Benzo(b)fluoranthene	50	50	NA	39	39	79	78	0.8	30	52-120
7,12-Dimethylbenz(A)Anthracen	50	50	NA	35	34	69	69	0.6	30	30-150
Benzo(k)fluoranthene	50	50	NA	39	39	77	78	1	30	56-126
Hexachlorophene			NA						30	30-150
Benzo(a)pyrene	50	50	NA	39	40	78	81	4	30	51-120
3-Methylcholanthrene	50	50	NA	43	45	85	90	5	30	30-150
Indeno(1,2,3-cd)pyrene	50	50	NA	44	49	88	98	10	30	32-143
Dibenzo(a,h)anthracene	50	50	NA	41	47	81	95	15	30	37-134
Benzo(g,h,i)perylene	50	50	NA	43	45	86	90	5	30	32-143

page 3 of 3 FORM III SV-1 U6012.D & U6013.D

NO LIMITS

unstable in calibration solution or spike solution.

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 0013 NAVSTA Mayport
PO No:
Sample Date:
Received Date:
Extraction Date: 11/09/06
Analysis Date: 11/11/06
Report Date: 11/20/2006
Matrix: WATER

Lab ID: WG33956-2RA& WG33956-3
Client ID: WG33956-LCS & WG33956-LCSD
SDG: CT033-6
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 M8270C
Lab Prep Batch: WG33956
Units: ug/L

COMPOUND	LCS SPIKE	LCSD SPIKE	SAMPLE CONC.	LCS CONC.	LCSD CONC.	LCS %REC.	LCSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
Naphthalene	2.0	2.0	NA	1.7	1.6	85	81	5	30	34-106
2-Methylnaphthalene	2.0	2.0	NA	1.6	1.6	79	82	4	30	30-148
1-Methylnaphthalene	2.0	2.0	NA	1.2	1.1	61	57	7	30	30-150
Acenaphthylene	2.0	2.0	NA	1.7	1.7	83	84	0.6	30	51-114
Acenaphthene	2.0	2.0	NA	1.3	1.3	63	64	0.8	30	47-108
Fluorene	2.0	2.0	NA	1.5	1.6	76	80	4	30	53-119
Phenanthrene	2.0	2.0	NA	1.6	1.6	78	78	0.0	30	53-130
Anthracene	2.0	2.0	NA	2.0	2.0	102	100	2	30	53-121
Fluoranthene	2.0	2.0	NA	1.7	1.7	84	84	0.0	30	51-139
Pyrene	2.0	2.0	NA	1.4	1.6	69	79	14	30	31-124
Benzo(a)anthracene	2.0	2.0	NA	1.7	1.8	87	92	6	30	42-143
Chrysene	2.0	2.0	NA	1.4	1.5	72	77	7	30	36-126
Benzo(b)fluoranthene	2.0	2.0	NA	5.4	5.8	* 272	* 288	6	30	36-148
Benzo(k)fluoranthene	2.0	2.0	NA	1.4	1.5	72	76	7	30	33-139
Benzo(a)pyrene	2.0	2.0	NA	1.5	1.6	76	80	4	30	44-130
Indeno(1,2,3-cd)pyrene	2.0	2.0	NA	2.0	2.0	102	102	0.0	30	23-142
Benzo(g,h,i)perylene	2.0	2.0	NA	1.8	1.8	90	90	1	30	30-119
Dibenzo(a,h)anthracene	2.0	2.0	NA	1.8	1.6	88	80	8	30	22-133

No positives

FORM III SV-1

R2539.D & R2534.D

FORM 2

WATER PCB SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0033 NAVSTA MAYPORT SDG No.: CTO33-6

GC Column(1): RTX-5 ID: 0.53 (mm) GC Column(2): RTX-35 ID: 0.53 (mm)

	CLIENT SAMPLE ID	LAB SAMPLE ID	TCX1 REC#	TCX2 REC#	DCB1 REC#	DCB2 REC#	OTHR (1)	OTHR (2)	TOT OUT
01	WG34004-BLANK	WG34004-1RA	48J	48J	37	36			2
02	WG34004-LCS	WG34004-2RA	48J	49J	42	41			2
03	WG34004-LCSD	WG34004-3RA	28J	29J	39	38			2
04	PT10-GW-MW01S-11060	WW6011-1	46J	47J	50	47			2
05	PT08-GW-MW22S-11060	WW6011-2	63	65	65	64			0
06	PT08-GW-MW21S-11060	WW6011-3	55J	59	49	47			1
07	PT09-GW-MW06S-11060	WW6011-4	54J	59	56	55			1
08	WG34118-BLANK	WG34118-1	74	78	58	56			0
09	WG34118-LCS	WG34118-2	76	80	55	53			0
10	WG34118-LCSD	WG34118-3	77	82	71	69			0
11	PT10-GW-MW01S-11060	WW6011-1RE	76	79	59	57			0
12	PT08-GW-MW22S-11060	WW6011-2RE	76	77	58	56			0
13	PT08-GW-MW21S-11060	WW6011-3RE	76	82	66	64			0
14	PT09-GW-MW06S-11060	WW6011-4RE	68	76	58	56			0
15	PT09-GW-MW06S-11070	WW6039-1RE	66	76	44	42			0
16	PT09-GW-MW04S-11070	WW6039-2RE	67	76	48	48			0
17	PT09-GW-MW05S-11070	WW6039-3RE	76	82	74	73			0
18	PT09-GW-RB01-110706	WW6039-4RE	67	70	50	48			0
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									

		ADVISORY QC LIMITS
S1 (TCX)	= Tetrachloro-m-xylene	(57-111)
S2 (DCB)	= Decachlorobiphenyl	(15- 93)

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

FORM 4
PESTICIDE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG34004-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0033 NAVSTA MAYPORT SDG No.: CTO33-6

Lab Sample ID: WG34004-1RA Lab File ID: 6WK3028

Matrix (soil/water) WATER Extraction:(SepF/Cont/Sonc) SW846 3510

Sulfur Cleanup: (Y/N) N Date Extracted: 11/10/06

Date Analyzed (1): 11/14/06 Date Analyzed (2): 11/14/06

Time Analyzed (1): 0917 Time Analyzed (2): 0917

Instrument ID (1): GC06 Instrument ID (2): GC06

GC Column (1): RTX-5 ID: 0.53(mm) GC Column (2): RTX-35 ID: 0.53(mm)

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

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	WG34004-LCS	WG34004-2RA	6WK3029	11/14/06	11/14/06
02	WG34004-LCSD	WG34004-3RA	6WK3030	11/14/06	11/14/06
03	PT10-GW-MW01S-11060	WW6011-1	6WK3040	11/14/06	11/14/06
04	PT08-GW-MW22S-11060	WW6011-2	6WK3041	11/14/06	11/14/06
05	PT08-GW-MW21S-11060	WW6011-3	6WK3042	11/14/06	11/14/06
06	PT09-GW-MW06S-11060	WW6011-4	6WK3043	11/14/06	11/14/06
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

COMMENTS:

FORM IV PEST

KATAHDIN ANALYTICAL SERVICES

LAB CONTROL SAMPLE

Client:
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date:
Received Date:
Extraction Date: 11/10/06
Analysis Date: 11/14/06
Report Date: 11/20/2006
Matrix: WATER

Lab ID: WG34004-2RA& WG34004-3RA
Client ID: WG34004-LCS & WG34004-LCSD
SDG: CTO33-6
Extracted by: GN
Extraction Method: SW846 3510
Analyst: LRS
Analysis Method: SW846 8082
Lab Prep Batch: WG34004
Units: ug/L

COMPOUND	LCS SPIKE	LCSD SPIKE	SAMPLE CONC.	LCS CONC.	LCSD CONC.	LCS %REC.	LCSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
Aroclor-1016	5.0	5.0	NA	2.7	2.3	* 53	* 45	16	30	72-119
Aroclor-1260	5.0	5.0	NA	3.1	2.8	61	* 56	9	30	60-119

Initial LCS

FORM III PEST-1

6WK3029.d & 6WK3030.d

FORM 4
PESTICIDE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG34118-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0033 NAVSTA MAYPORT SDG No.: CTO33-6

Lab Sample ID: WG34118-1 Lab File ID: 6WK3107

Matrix (soil/water) WATER Extraction:(SepF/Cont/Sonc) SW846 3520

Sulfur Cleanup: (Y/N) N Date Extracted: 11/14/06

Date Analyzed (1): 11/16/06 Date Analyzed (2): 11/16/06

Time Analyzed (1): 0936 Time Analyzed (2): 0936

Instrument ID (1): GC06 Instrument ID (2): GC06

GC Column (1): RTX-5 ID: 0.53(mm) GC Column (2): RTX-35 ID: 0.53(mm)

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

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED 1	DATE ANALYZED 2
01	WG34118-LCS	WG34118-2	6WK3108	11/16/06	11/16/06
02	WG34118-LCSD	WG34118-3	6WK3109	11/16/06	11/16/06
03	PT10-GW-MW01S-11060	WW6011-1RE	6WK3110	11/16/06	11/16/06
04	PT08-GW-MW22S-11060	WW6011-2RE	6WK3111	11/16/06	11/16/06
05	PT08-GW-MW21S-11060	WW6011-3RE	6WK3112	11/16/06	11/16/06
06	PT09-GW-MW06S-11060	WW6011-4RE	6WK3113	11/16/06	11/16/06
07	PT09-GW-MW06S-11070	WW6039-1RE	6WK3114	11/16/06	11/16/06
08	PT09-GW-MW04S-11070	WW6039-2RE	6WK3115	11/16/06	11/16/06
09	PT09-GW-MW05S-11070	WW6039-3RE	6WK3116	11/16/06	11/16/06
10	PT09-GW-RB01-110706	WW6039-4RE	6WK3117	11/16/06	11/16/06
11					
12					
13					
14					
15					
16					
17					
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19					
20					
21					
22					
23					
24					

COMMENTS:

FORM IV PEST

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date:
Received Date:
Extraction Date: 11/14/06
Analysis Date: 11/16/06
Report Date: 11/20/2006
Matrix: WATER

Lab ID: WG34118-2 & WG34118-3
Client ID: WG34118-LCS & WG34118-LCSD
SDG: CTO33-6
Extracted by: GN
Extraction Method: SW846 3520
Analyst: LRS
Analysis Method: SW846 8082
Lab Prep Batch: WG34118
Units: ug/L

COMPOUND	LCS SPIKE	LCSD SPIKE	SAMPLE CONC.	LCS CONC.	LCSD CONC.	LCS %REC.	LCSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
Aroclor-1016	5.0	5.0	NA	4.6	4.7	91	93	3	30	72-119
Aroclor-1260	5.0	5.0	NA	5.0	5.1	100	102	2	30	60-119

re-extracted LCS

FORM III PEST-1

6WK3108.d & 6WK3109.d

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date:
Received Date:
Extraction Date: 11/10/06
Analysis Date: 11/21/06
Report Date: 11/27/2006
Matrix: WATER

Lab ID: WG34022-2 & WG34022-3
Client ID: WG34022-LCS & WG34022-LCSD
SDG: CTO33-6
Extracted by: GN
Extraction Method: SW846 3510
Analyst: JLP
Analysis Method: SW846 M8015
Lab Prep Batch: WG34022
Units: ug/L

COMPOUND	LCS SPIKE	LCSD SPIKE	SAMPLE CONC.	LCS CONC.	LCSD CONC.	LCS %REC.	LCSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
Petroleum Range Organics	1700	1700	NA	2300	2800	* 135	* 165	20	30	55-118

FORM III SV-1

CWK4031.d & CWK4032.d

FORM 2
WATER FL-PRO SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0033 NAVSTA MAYPORT SDG No.: CTO33-6

	CLIENT SAMPLE ID	LAB SAMPLE ID	S1 #	S2 OTP#	S3 #	S4 #	S5 #	S6 #	S7 #	S8 #	TOT OUT
01	WG34022-BLANK	WG34022-1	159	147J							1
02	WG34022-LCS	WG34022-2	133	127							0
03	WG34022-LCSD	WG34022-3	163	155J							1
04	PT11-GW-MW05S-11070	WW6039-5	133	126							0
05	PT11-GW-RB02-110706	WW6039-6	129	121							0
06	PT51-GW-MW01S-11080	WW6081-1	168	161J							1
07	PT51-GW-MW03S-11080	WW6081-3	138	134							0
08	MPT51-RB03-110806	WW6081-4	126	119							0
09	PT51-GW-MW02S-11080	WW6081-2DL	172	161J							1
10	PT07-GW-TW01S-11080	WW6081-5DL	257J	232J							2
11	PT08-GW-MW12S-11080	WW6081-6	111	110							0
12											
13											
14											
15											
16											
17											
18											
19											
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21											
22											
23											
24											
25											
26											
27											
28											

		QC LIMITS
S1	= n-Triacontane-D62	(42-193)
S2 (OTP)	= O-Terphenyl	(82-142)

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

FORM 4
SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG34022-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0033 NAVSTA MAYPORT SDG No.: CTO33-6

Lab File ID: CWK4030 Lab Sample ID: WG34022-1

Instrument ID: GC12 Date Extracted: 11/10/06

Matrix: (soil/water) WATER Date Analyzed: 11/20/06

Level:(low/med) LOW Time Analyzed: 2238

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

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	WG34022-LCS	WG34022-2	CWK4031	11/20/06	2354
02	WG34022-LCSD	WG34022-3	CWK4032	11/21/06	0109
03	PT11-GW-MW05S-11070	WW6039-5	CWK4033	11/21/06	0225
04	PT11-GW-RB02-110706	WW6039-6	CWK4034	11/21/06	0340
05	PT51-GW-MW01S-11080	WW6081-1	CWK4035	11/21/06	0456
06	PT51-GW-MW03S-11080	WW6081-3	CWK4037	11/21/06	0727
07	MPT51-RB03-110806	WW6081-4	CWK4038	11/21/06	0842
08	PT51-GW-MW02S-11080	WW6081-2DL	CWK4046	11/21/06	1852
09	PT07-GW-TW01S-11080	WW6081-5DL	CWK4047	11/21/06	2008
10	PT08-GW-MW12S-11080	WW6081-6	CWK4048	11/21/06	2123
11					
12					
13					
14					
15					
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26					
27					
28					
29					
30					

COMMENTS:

FORM IV SV

FORM 8
FL-PRO ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0033 NAVSTA MAYPORT SDG No.: CTO33-6

GC Column: ZB-1 ID: 0.53 (mm) Init. Calib. Date(s): 11/20/06 11/20/06

Instrument ID: GC12

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
S1 : 15.58 S2 : 22.68

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	S1 RT #	S2 RT #
01		FLPRO 50UG/M	11/20/06	1505	15.59	22.68
02		FLPRO 5UG/ML	11/20/06	1620	15.58	22.68
03		FLPRO 20UG/M	11/20/06	1736	15.59	22.68
04		FLPRO 100UG/	11/20/06	1851	15.58	22.67
05		FLPRO 200UG/	11/20/06	2007	15.58	22.67
06		FLPRO INDUG/	11/20/06	2123	15.58	22.67
07	WG34022-BLAN	WG34022-1	11/20/06	2238	15.58	22.68
08	WG34022-LCS	WG34022-2	11/20/06	2354	15.58	22.68
09	WG34022-LCSD	WG34022-3	11/21/06	0109	15.59	22.68
10	PT11-GW-MW05	WW6039-5	11/21/06	0225	15.59	22.68
11	PT11-GW-RB02	WW6039-6	11/21/06	0340	15.58	22.68
12	PT51-GW-MW01	WW6081-1	11/21/06	0456	15.59	22.68
13	PT51-GW-MW03	WW6081-3	11/21/06	0727	15.59	22.68
14	MPT51-RB03-1	WW6081-4	11/21/06	0842	15.58	22.67
15		FLPRO 50UG/M	11/21/06	1344	15.58	22.67
16	PT51-GW-MW02	WW6081-2DL	11/21/06	1852	15.59	22.67
17	PT07-GW-TW01	WW6081-5DL	11/21/06	2008	15.59	22.67
18	PT08-GW-MW12	WW6081-6	11/21/06	2123	15.58	22.67
19		FLPRO 20UG/M	11/22/06	0610	15.58	22.67
20						

		QC LIMITS
S1	= O-Terphenyl	(+/- 0.31 MINUTES)
S2	= n-Triacontane-D62	(+/- 0.45 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII PEST

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date:
Received Date:
Extraction Date: 11/10/06
Analysis Date: 20-NOV-2006 22:38
Report Date: 11/27/2006
Matrix: WATER
% Solids: NA

Lab ID: WG34022-1
Client ID: WG34022-Blank
SDG: CTO33-6
Extracted by: GN
Extraction Method: SW846 3510
Analyst: JLP
Analysis Method: SW846 M8015
Lab Prep Batch: WG34022
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
	Petroleum Range Organics	U	230	1.0	500	500	230
	n-Triacontane-D62		159%				
	O-Terphenyl		J147%				

FORM 2
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0033 NAVSTA MAYPORT SDG No.: CTO33-6

GC Column(1): SPB 608 ID: 0.53 (mm) GC Column(2): RTX-CLP IIID: 0.53 (mm)

	CLIENT SAMPLE ID	LAB SAMPLE ID	TCX1 REC#	TCX2 REC#	S2 1 REC#	S2 2 REC#	S3 1 REC#	S3 2 REC#	TOT OUT
01	WG34146-BLANK	WG34146-1	97	96					0
02	WG34146-LCS	WG34146-2	102	107					0
03	WG34146-LCSD	WG34146-3	110	113					0
04	PT11-GW-MW05S-11070	WW6039-5	94	94					0
05	PT11-GW-RB02-110706	WW6039-6	98	96					0
06	PT51-GW-MW01S-11080	WW6081-1	75	73					0
07	PT51-GW-MW02S-11080	WW6081-2	45	41					0
08	PT51-GW-MW03S-11080	WW6081-3	103	102					0
09	MPT51-RB03-110806	WW6081-4	96	96					0
10	PT07-GW-TW01S-11080	WW6081-5	78	74					0
11	PT08-GW-MW12S-11080	WW6081-6	87	90					0
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									

ADVISORY
QC LIMITS
S1 (TCX) = Tetrachloro-M-Xylene (36-123)

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

Calibration Recoveries

The selenium percent recovery (%R) in the Contract Required Detection Limit (CRDL) standard (CRI) run on 11/27/06 at 23:25 was < 50 %R affecting all samples. All non-detected selenium results reported were qualified as unusable, "UR".

Laboratory Method/Preparation Blank Analyses

The following analytes were detected in the laboratory method/preparation blanks at the following maximum concentrations:

Analyte	Maximum Concentration (ug/L)	Action Level (ug/L)
Aluminum	67.17	336
Barium	1.67	8.35
Beryllium	0.46	2.30
Calcium [(1)]	28.88	144
Chromium	1.63	8.15
Cobalt	3.97	19.8
Copper	5.76	28.8
Iron	22.99	115
Magnesium	65.05	325
Manganese	0.80	4.00
Potassium	779.70	3900
Sodium	161.62	808
Tin [(1)]	3.50	17.5
Vanadium	6.43	32.2

[(1)] Maximum concentration found in the laboratory preparation blank.

An action level of 5X the maximum concentration was used to evaluate the sample data for blank contamination. Sample aliquot and dilution factors, if applicable, were taken into consideration when evaluating for blank contamination. Positive results less than 5X the blank action level were qualified as non-detected "U" due to laboratory blank contamination. Aluminum, barium, beryllium, chromium, copper, iron, tin, and vanadium were qualified due to laboratory blank contamination.

Notes

The continuing calibration %R of cadmium on 11/22/06 at 23:23 was > 110 %R quality control limit affecting sample PT09-GW-MW06S-110606. No validation action was taken because the cadmium result reported for sample PT09-GW-MW06S-110606 was a non-detect.

The matrix spike analyses for the metals fraction was performed on the rinsate blank (MPT09-GW-RB01-110706) which is unrepresentative of the target environmental matrix analyzed.

The ICP serial dilution analysis for the metals fraction was performed on the rinsate blank (MPT09-GW-RB01-110706) which is not representative of the target environmental matrix analyzed. No validation action was taken.

The rinsate blank was not used to establish blank action levels and were not qualified due to blank contamination.

Matrix spike and laboratory duplicate analyses were not performed on cyanide.

A laboratory duplicate analysis was not performed on the TAL metals.

Laboratory / client sample IDs from the Sample Summary form did not match the laboratory /client sample IDs in the sulfide raw data report. The laboratory was contacted and concluded that the raw data was inputted incorrectly onto the Sample Summary form which caused several sulfide results, namely; those in samples MPT09-GW-MW04S-110706 and MPT09-GW-MW05S-110706 to be reported incorrectly on Form I reports in the original data package received from the laboratory. The laboratory corrected the mistake by reanalyzing the samples and resubmitting the sulfide data.

Executive Summary

Laboratory Performance: Selenium was qualified due to a calibration noncompliance. Aluminum, barium, beryllium, chromium, copper, iron, tin, and vanadium were qualified due to laboratory blank contamination. Some sulfide results were initially reported incorrectly by the laboratory.

Other Factors Affecting Data Quality: None.

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

The text of this report has been formulated to address only those problem areas affecting data quality.

"I attest that the data referenced herein were validated according to the agreed upon validation criteria as specified in the DoD QSM and the Quality Assurance Project Plan (QAPP)."

Tetra Tech NUS
Matthew D. Kraus
Chemist / Environmental Scientist

Tetra Tech NUS
Joseph A. Samchuck
Quality Assurance Officer

Attachments:

1. Appendix A - Qualified Analytical Results
2. Appendix B - Results as reported by the Laboratory
3. Appendix C - Support Documentation

APPENDIX A
QUALIFIED ANALYTICAL RESULTS

Data Validation Qualifier Codes:

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

PROJ_NO: 00436

SDG: CTO33-6 MEDIA: WATER DATA FRACTION: M

nsample	MPT08-GW-MW21S-110606	nsample	MPT08-GW-MW22S-110606	nsample	MPT09-GW-MW04S-110706
samp_date	11/6/2006	samp_date	11/6/2006	samp_date	11/7/2006
lab_id	WW6011-003	lab_id	WW6011-002	lab_id	WW6039-002
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/L	units	UG/L	units	UG/L
Pct_Solids	0.0	Pct_Solids	0.0	Pct_Solids	0.0
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	86.6	U	A
ANTIMONY	2.68	U	
ARSENIC	3.09	U	
BARIUM	12		
BERYLLIUM	0.3	U	
CADMIUM	2.48	U	
CALCIUM	83300		
CHROMIUM	1.6	U	A
COBALT	2.99	U	
COPPER	5.8	U	A
IRON	517		
LEAD	1.8	U	
MAGNESIUM	6750		
MANGANESE	72.4		
MERCURY	0.01	U	
NICKEL	9.98	U	
POTASSIUM	5310		
SELENIUM	4.04	UR	C
SILVER	1.21	U	
SODIUM	22900		
THALLIUM	6.04	U	
TIN	3.4	U	
VANADIUM	5.89	U	
ZINC	4		

Parameter	Result	Val Qual	Qual Code
ALUMINUM	194	U	A
ANTIMONY	2.68	U	
ARSENIC	3.09	U	
BARIUM	8.6		
BERYLLIUM	0.3	U	
CADMIUM	2.48	U	
CALCIUM	81100		
CHROMIUM	2.3	U	A
COBALT	2.99	U	
COPPER	5	U	A
IRON	194		
LEAD	1.8	U	
MAGNESIUM	16300		
MANGANESE	88.1		
MERCURY	0.01	U	
NICKEL	9.98	U	
POTASSIUM	10300		
SELENIUM	4.04	UR	C
SILVER	1.21	U	
SODIUM	34800		
THALLIUM	6.04	U	
TIN	3.6	U	A
VANADIUM	6.5	U	A
ZINC	3.22	U	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	44.8	U	A
ANTIMONY	2.68	U	
ARSENIC	3.09	U	
BARIUM	9.9		
BERYLLIUM	0.68	U	A
CADMIUM	2.48	U	
CALCIUM	96600		
CHROMIUM	1.1	U	A
COBALT	2.99	U	
COPPER	5.1	U	A
IRON	114	U	A
LEAD	1.8	U	
MAGNESIUM	13600		
MANGANESE	86		
MERCURY	0.01	U	
NICKEL	9.98	U	
POTASSIUM	5690		
SELENIUM	4.04	UR	C
SILVER	1.21	U	
SODIUM	20800		
THALLIUM	6.04	U	
TIN	4.7	U	A
VANADIUM	5.89	U	
ZINC	3.22	U	

PROJ_NO: 00436

SDG: CTO33-6 MEDIA: WATER DATA FRACTION: M

nsample	MPT09-GW-MW05S-110706	nsample	MPT09-GW-MW06S-110606	nsample	MPT09-GW-MW06S-110706
samp_date	11/7/2006	samp_date	11/6/2006	samp_date	11/7/2006
lab_id	WW6039-003	lab_id	WW6011-004	lab_id	WW6039-001
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/L	units	UG/L	units	UG/L
Pct_Solids	0.0	Pct_Solids	0.0	Pct_Solids	0.0
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	204	U	A
ANTIMONY	2.68	U	
ARSENIC	3.09	U	
BARIUM	6.3	U	A
BERYLLIUM	0.3	U	
CADMIUM	2.48	U	
CALCIUM	103000		
CHROMIUM	1.5	U	A
COBALT	2.99	U	
COPPER	5	U	A
IRON	530		
LEAD	1.8	U	
MAGNESIUM	16700		
MANGANESE	86.9		
MERCURY	0.01	U	
NICKEL	9.98	U	
POTASSIUM	5970		
SELENIUM	4.04	UR	C
SILVER	1.21	U	
SODIUM	54400		
THALLIUM	6.04	U	
TIN	3.4	U	
VANADIUM	5.89	U	
ZINC	4.5		

Parameter	Result	Val Qual	Qual Code
ALUMINUM	72.8	U	A
ANTIMONY	2.68	U	
ARSENIC	3.09	U	
BARIUM	6.4	U	A
BERYLLIUM	0.3	U	
CADMIUM	2.48	U	
CALCIUM	71800		
CHROMIUM	1.8	U	A
COBALT	2.99	U	
COPPER	5.1	U	A
IRON	182		
LEAD	1.8	U	
MAGNESIUM	12900		
MANGANESE	87.6		
MERCURY	0.01	U	
NICKEL	9.98	U	
POTASSIUM	10600		
SELENIUM	4.04	UR	C
SILVER	1.21	U	
SODIUM	29500		
THALLIUM	6.04	U	
TIN	3.4	U	
VANADIUM	10.6	U	A
ZINC	6.1		

Parameter	Result	Val Qual	Qual Code
ALUMINUM	21	U	
ANTIMONY	2.68	U	
ARSENIC	7.3		
BARIUM	9.3		
BERYLLIUM	0.3	U	
CADMIUM	2.8		
CALCIUM	134000		
CHROMIUM	1.9	U	A
COBALT	2.99	U	
COPPER	5.3	U	A
IRON	1870		
LEAD	1.8	U	
MAGNESIUM	20200		
MANGANESE	518		
MERCURY	0.01	U	
NICKEL	9.98	U	
POTASSIUM	7560		
SELENIUM	4.04	UR	C
SILVER	1.3		
SODIUM	16600		
THALLIUM	6.04	U	
TIN	3.7	U	A
VANADIUM	5.89	U	
ZINC	3.3		

PROJ_NO: 00436

SDG: CTO33-6 MEDIA: WATER DATA FRACTION: M

nsample	MPT09-GW-RB01-110706	nsample	MPT10-GW-MW01S-110606
samp_date	11/7/2006	samp_date	11/6/2006
lab_id	WW6039-004	lab_id	WW6011-001
qc_type	NM	qc_type	NM
units	UG/L	units	UG/L
Pct_Solids	0.0	Pct_Solids	0.0
DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	40.1		
ANTIMONY	2.68	U	
ARSENIC	3.09	U	
BARIUM	1		
BERYLLIUM	0.3	U	
CADMIUM	2.48	U	
CALCIUM	167		
CHROMIUM	0.96		
COBALT	2.99	U	
COPPER	3.19	U	
IRON	9		
LEAD	1.8	U	
MAGNESIUM	38.5		
MANGANESE	0.46	U	
MERCURY	0.01	U	
NICKEL	9.98	U	
POTASSIUM	664	U	
SELENIUM	4.04	UR	C
SILVER	1.21	U	
SODIUM	208		
THALLIUM	6.04	U	
TIN	3.4	U	
VANADIUM	6.5		
ZINC	3.22	U	

Parameter	Result	Val Qual	Qual Code
ALUMINUM	82.6	U	A
ANTIMONY	2.68	U	
ARSENIC	3.09	U	
BARIUM	10.7		
BERYLLIUM	0.3	U	
CADMIUM	2.48	U	
CALCIUM	64100		
CHROMIUM	1.5	U	A
COBALT	2.99	U	
COPPER	3.3	U	A
IRON	63.7	U	A
LEAD	1.8	U	
MAGNESIUM	21400		
MANGANESE	37.2		
MERCURY	0.01	U	
NICKEL	9.98	U	
POTASSIUM	16300		
SELENIUM	4.04	UR	C
SILVER	1.21	U	
SODIUM	54200		
THALLIUM	6.04	U	
TIN	3.5	U	A
VANADIUM	6.5	U	A
ZINC	4.8		

PROJ_NO: 00436

SDG: CTO33-6 MEDIA: WATER DATA FRACTION: MISC

nsample	MPT08-GW-MW21S-110606
samp_date	11/6/2006
lab_id	WW6011-3
qc_type	NM
Pct_Solids	0.0
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
CYANIDE	UG/L	3.9		
SULFIDE	MG/L	0.05	U	

nsample	MPT08-GW-MW22S-110606
samp_date	11/6/2006
lab_id	WW6011-2
qc_type	NM
Pct_Solids	0.0
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
CYANIDE	UG/L	10	U	
SULFIDE	MG/L	0.05	U	

nsample	MPT09-GW-MW04S-110706
samp_date	11/7/2006
lab_id	WW6039-2
qc_type	NM
Pct_Solids	0.0
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
CYANIDE	UG/L	3.4		
SULFIDE	MG/L	0.16		

PROJ_NO: 00436

SDG: CTO33-6 MEDIA: WATER DATA FRACTION: MISC

nsample	MPT09-GW-MW05S-110706
samp_date	11/7/2006
lab_id	WW6039-3
qc_type	NM
Pct_Solids	0.0
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
CYANIDE	UG/L	2.9		
SULFIDE	MG/L	0.05	U	

nsample	MPT09-GW-MW06S-110606
samp_date	11/6/2006
lab_id	WW6011-4
qc_type	NM
Pct_Solids	0.0
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
CYANIDE	UG/L	10	U	
SULFIDE	MG/L	0.05	U	

nsample	MPT09-GW-MW06S-110706
samp_date	11/7/2006
lab_id	WW6039-1
qc_type	NM
Pct_Solids	0.0
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
CYANIDE	UG/L	10	U	
SULFIDE	MG/L	0.1	U	

PROJ_NO: 00436

SDG: CTO33-6 MEDIA: WATER DATA FRACTION: MISC

nsample	MPT09-GW-RB01-110706	nsample	MPT10-GW-MW01S-110606
samp_date	11/7/2006	samp_date	11/6/2006
lab_id	WW6039-4	lab_id	WW6011-1
qc_type	NM	qc_type	NM
Pct_Solids	0.0	Pct_Solids	0.0
DUP_OF:		DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
CYANIDE	UG/L	3.7		
SULFIDE	MG/L	0.05	U	

Parameter	units	Result	Val Qual	Qual Code
CYANIDE	UG/L	10	U	
SULFIDE	MG/L	0.05	U	

APPENDIX B
RESULTS AS REPORTED BY THE LABORATORY

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** MPT08-GW-MW21S-11060C

Matrix: WATER **SDG Name:** CTO33-6

Percent Solids: 0.00 **Lab Sample ID:** WW6011-003

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	86.6	B		P	1	300	21.00
7440-36-0	ANTIMONY, TOTAL	2.68	U		P	1	8.0	2.68
7440-38-2	ARSENIC, TOTAL	3.09	U		P	1	8.0	3.09
7440-39-3	BARIUM, TOTAL	12.0			P	1	5.0	1.04
7440-41-7	BERYLLIUM, TOTAL	0.30	U		P	1	5.0	0.30
7440-43-9	CADMIUM, TOTAL	2.48	U		P	1	10	2.48
7440-70-2	CALCIUM, TOTAL	83300			P	1	50	20.90
7440-47-3	CHROMIUM, TOTAL	1.6	B		P	1	15	0.69
7440-48-4	COBALT, TOTAL	2.99	U		P	1	30	2.99
7440-50-8	COPPER, TOTAL	5.8	B		P	1	25	3.19
7439-89-6	IRON, TOTAL	517			P	1	100	3.87
7439-92-1	LEAD, TOTAL	1.80	U		P	1	5.0	1.80
7439-95-4	MAGNESIUM, TOTAL	6750			P	1	50	21.00
7439-96-5	MANGANESE, TOTAL	72.4			P	1	5.0	0.46
7439-97-6	MERCURY, TOTAL	0.01	U		CV	1	0.20	0.01
7440-02-0	NICKEL, TOTAL	9.98	U		P	1	40	9.98
7440-09-7	POTASSIUM, TOTAL	5310			P	1	1000	664.00
7782-49-2	SELENIUM, TOTAL	4.04	U		P	1	10	4.04
7440-22-4	SILVER, TOTAL	1.21	U		P	1	15	1.21
7440-23-5	SODIUM, TOTAL	22900			P	1	1000	44.40
7440-28-0	THALLIUM, TOTAL	6.04	U		P	1	15	6.04
7440-31-5	TIN, TOTAL	3.40	U		P	1	100	3.40
7440-62-2	VANADIUM, TOTAL	5.89	U		P	1	25	5.89
7440-66-6	ZINC, TOTAL	4.0	B		P	1	25	3.22

Bottle ID: E

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services | **Client Field ID:** MPT08-GW-MW22S-110606

Matrix: WATER | **SDG Name:** CTO33-6

Percent Solids: 0.00 | **Lab Sample ID:** WW6011-002

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	194	B		P	1	300	21.00
7440-36-0	ANTIMONY, TOTAL	2.68	U		P	1	8.0	2.68
7440-38-2	ARSENIC, TOTAL	3.09	U		P	1	8.0	3.09
7440-39-3	BARIUM, TOTAL	8.6			P	1	5.0	1.04
7440-41-7	BERYLLIUM, TOTAL	0.30	U		P	1	5.0	0.30
7440-43-9	CADMIUM, TOTAL	2.48	U		P	1	10	2.48
7440-70-2	CALCIUM, TOTAL	81100			P	1	50	20.90
7440-47-3	CHROMIUM, TOTAL	2.3	B		P	1	15	0.69
7440-48-4	COBALT, TOTAL	2.99	U		P	1	30	2.99
7440-50-8	COPPER, TOTAL	5.0	B		P	1	25	3.19
7439-89-6	IRON, TOTAL	194			P	1	100	3.87
7439-92-1	LEAD, TOTAL	1.80	U		P	1	5.0	1.80
7439-95-4	MAGNESIUM, TOTAL	16300			P	1	50	21.00
7439-96-5	MANGANESE, TOTAL	88.1			P	1	5.0	0.46
7439-97-6	MERCURY, TOTAL	0.01	U		CV	1	0.20	0.01
7440-02-0	NICKEL, TOTAL	9.98	U		P	1	40	9.98
7440-09-7	POTASSIUM, TOTAL	10300			P	1	1000	664.00
7782-49-2	SELENIUM, TOTAL	4.04	U		P	1	10	4.04
7440-22-4	SILVER, TOTAL	1.21	U		P	1	15	1.21
7440-23-5	SODIUM, TOTAL	34800			P	1	1000	44.40
7440-28-0	THALLIUM, TOTAL	6.04	U		P	1	15	6.04
7440-31-5	TIN, TOTAL	3.6	B		P	1	100	3.40
7440-62-2	VANADIUM, TOTAL	6.5	B		P	1	25	5.89
7440-66-6	ZINC, TOTAL	3.22	U		P	1	25	3.22

Bottle ID: E

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services | **Client Field ID:** MPT09-GW-MW04S-110706

Matrix: WATER | **SDG Name:** CTO33-6

Percent Solids: 0.00 | **Lab Sample ID:** WW6039-002

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	44.8	B		P	1	300	21.00
7440-36-0	ANTIMONY, TOTAL	2.68	U		P	1	8.0	2.68
7440-38-2	ARSENIC, TOTAL	3.09	U		P	1	8.0	3.09
7440-39-3	BARIUM, TOTAL	9.9			P	1	5.0	1.04
7440-41-7	BERYLLIUM, TOTAL	0.68	B		P	1	5.0	0.30
7440-43-9	CADMIUM, TOTAL	2.48	U		P	1	10	2.48
7440-70-2	CALCIUM, TOTAL	96600			P	1	50	20.90
7440-47-3	CHROMIUM, TOTAL	1.1	B		P	1	15	0.69
7440-48-4	COBALT, TOTAL	2.99	U		P	1	30	2.99
7440-50-8	COPPER, TOTAL	5.1	B		P	1	25	3.19
7439-89-6	IRON, TOTAL	114			P	1	100	3.87
7439-92-1	LEAD, TOTAL	1.80	U		P	1	5.0	1.80
7439-95-4	MAGNESIUM, TOTAL	13600			P	1	50	21.00
7439-96-5	MANGANESE, TOTAL	86.0			P	1	5.0	0.46
7439-97-6	MERCURY, TOTAL	0.01	U		CV	1	0.20	0.01
7440-02-0	NICKEL, TOTAL	9.98	U		P	1	40	9.98
7440-09-7	POTASSIUM, TOTAL	5690			P	1	1000	664.00
7782-49-2	SELENIUM, TOTAL	4.04	U		P	1	10	4.04
7440-22-4	SILVER, TOTAL	1.21	U		P	1	15	1.21
7440-23-5	SODIUM, TOTAL	20800			P	1	1000	44.40
7440-28-0	THALLIUM, TOTAL	6.04	U		P	1	15	6.04
7440-31-5	TIN, TOTAL	4.7	B		P	1	100	3.40
7440-62-2	VANADIUM, TOTAL	5.89	U		P	1	25	5.89
7440-66-6	ZINC, TOTAL	3.22	U		P	1	25	3.22

Bottle ID: E

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** MPT09-GW-MW05S-110706

Matrix: WATER **SDG Name:** CTO33-6

Percent Solids: 0.00 **Lab Sample ID:** WW6039-003

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	204	B		P	1	300	21.00
7440-36-0	ANTIMONY, TOTAL	2.68	U		P	1	8.0	2.68
7440-38-2	ARSENIC, TOTAL	3.09	U		P	1	8.0	3.09
7440-39-3	BARIUM, TOTAL	6.3			P	1	5.0	1.04
7440-41-7	BERYLLIUM, TOTAL	0.30	U		P	1	5.0	0.30
7440-43-9	CADMIUM, TOTAL	2.48	U		P	1	10	2.48
7440-70-2	CALCIUM, TOTAL	103000			P	1	50	20.90
7440-47-3	CHROMIUM, TOTAL	1.5	B		P	1	15	0.69
7440-48-4	COBALT, TOTAL	2.99	U		P	1	30	2.99
7440-50-8	COPPER, TOTAL	5.0	B		P	1	25	3.19
7439-89-6	IRON, TOTAL	530			P	1	100	3.87
7439-92-1	LEAD, TOTAL	1.80	U		P	1	5.0	1.80
7439-95-4	MAGNESIUM, TOTAL	16700			P	1	50	21.00
7439-96-5	MANGANESE, TOTAL	86.9			P	1	5.0	0.46
7439-97-6	MERCURY, TOTAL	0.01	U		CV	1	0.20	0.01
7440-02-0	NICKEL, TOTAL	9.98	U		P	1	40	9.98
7440-09-7	POTASSIUM, TOTAL	5970			P	1	1000	664.00
7782-49-2	SELENIUM, TOTAL	4.04	U		P	1	10	4.04
7440-22-4	SILVER, TOTAL	1.21	U		P	1	15	1.21
7440-23-5	SODIUM, TOTAL	54400			P	1	1000	44.40
7440-28-0	THALLIUM, TOTAL	6.04	U		P	1	15	6.04
7440-31-5	TIN, TOTAL	3.40	U		P	1	100	3.40
7440-62-2	VANADIUM, TOTAL	5.89	U		P	1	25	5.89
7440-66-6	ZINC, TOTAL	4.5	B		P	1	25	3.22

Bottle ID: E

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** MPT09-GW-MW06S-110606

Matrix: WATER **SDG Name:** CTO33-6

Percent Solids: 0.00 **Lab Sample ID:** WW6011-004

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	72.8	B		P	1	300	21.00
7440-36-0	ANTIMONY, TOTAL	2.68	U		P	1	8.0	2.68
7440-38-2	ARSENIC, TOTAL	3.09	U		P	1	8.0	3.09
7440-39-3	BARIUM, TOTAL	6.4			P	1	5.0	1.04
7440-41-7	BERYLLIUM, TOTAL	0.30	U		P	1	5.0	0.30
7440-43-9	CADMIUM, TOTAL	2.48	U		P	1	10	2.48
7440-70-2	CALCIUM, TOTAL	71800			P	1	50	20.90
7440-47-3	CHROMIUM, TOTAL	1.8	B		P	1	15	0.69
7440-48-4	COBALT, TOTAL	2.99	U		P	1	30	2.99
7440-50-8	COPPER, TOTAL	5.1	B		P	1	25	3.19
7439-89-6	IRON, TOTAL	182			P	1	100	3.87
7439-92-1	LEAD, TOTAL	1.80	U		P	1	5.0	1.80
7439-95-4	MAGNESIUM, TOTAL	12900			P	1	50	21.00
7439-96-5	MANGANESE, TOTAL	87.6			P	1	5.0	0.46
7439-97-6	MERCURY, TOTAL	0.01	U		CV	1	0.20	0.01
7440-02-0	NICKEL, TOTAL	9.98	U		P	1	40	9.98
7440-09-7	POTASSIUM, TOTAL	10600			P	1	1000	664.00
7782-49-2	SELENIUM, TOTAL	4.04	U		P	1	10	4.04
7440-22-4	SILVER, TOTAL	1.21	U		P	1	15	1.21
7440-23-5	SODIUM, TOTAL	29500			P	1	1000	44.40
7440-28-0	THALLIUM, TOTAL	6.04	U		P	1	15	6.04
7440-31-5	TIN, TOTAL	3.40	U		P	1	100	3.40
7440-62-2	VANADIUM, TOTAL	10.6	B		P	1	25	5.89
7440-66-6	ZINC, TOTAL	6.1	B		P	1	25	3.22

Bottle ID: E

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** MPT09-GW-MW06S-110706

Matrix: WATER **SDG Name:** CTO33-6

Percent Solids: 0.00 **Lab Sample ID:** WW6039-001

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	21.00	U		P	1	300	21.00
7440-36-0	ANTIMONY, TOTAL	2.68	U		P	1	8.0	2.68
7440-38-2	ARSENIC, TOTAL	7.3	B		P	1	8.0	3.09
7440-39-3	BARIUM, TOTAL	9.3			P	1	5.0	1.04
7440-41-7	BERYLLIUM, TOTAL	0.30	U		P	1	5.0	0.30
7440-43-9	CADMIUM, TOTAL	2.8	B		P	1	10	2.48
7440-70-2	CALCIUM, TOTAL	134000			P	1	50	20.90
7440-47-3	CHROMIUM, TOTAL	1.9	B		P	1	15	0.69
7440-48-4	COBALT, TOTAL	2.99	U		P	1	30	2.99
7440-50-8	COPPER, TOTAL	5.3	B		P	1	25	3.19
7439-89-6	IRON, TOTAL	1870			P	1	100	3.87
7439-92-1	LEAD, TOTAL	1.80	U		P	1	5.0	1.80
7439-95-4	MAGNESIUM, TOTAL	20200			P	1	50	21.00
7439-96-5	MANGANESE, TOTAL	518			P	1	5.0	0.46
7439-97-6	MERCURY, TOTAL	0.01	U		CV	1	0.20	0.01
7440-02-0	NICKEL, TOTAL	9.98	U		P	1	40	9.98
7440-09-7	POTASSIUM, TOTAL	7560			P	1	1000	664.00
7782-49-2	SELENIUM, TOTAL	4.04	U		P	1	10	4.04
7440-22-4	SILVER, TOTAL	1.3	B		P	1	15	1.21
7440-23-5	SODIUM, TOTAL	16600			P	1	1000	44.40
7440-28-0	THALLIUM, TOTAL	6.04	U		P	1	15	6.04
7440-31-5	TIN, TOTAL	3.7	B		P	1	100	3.40
7440-62-2	VANADIUM, TOTAL	5.89	U		P	1	25	5.89
7440-66-6	ZINC, TOTAL	3.3	B		P	1	25	3.22

Bottle ID: E

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** MPT09-GW-RB01-110706

Matrix: WATER **SDG Name:** CTO33-6

Percent Solids: 0.00 **Lab Sample ID:** WW6039-004

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	40.1	B		P	1	300	21.00
7440-36-0	ANTIMONY, TOTAL	2.68	U		P	1	8.0	2.68
7440-38-2	ARSENIC, TOTAL	3.09	U		P	1	8.0	3.09
7440-39-3	BARIUM, TOTAL	1.0	B		P	1	5.0	1.04
7440-41-7	BERYLLIUM, TOTAL	0.30	U		P	1	5.0	0.30
7440-43-9	CADMIUM, TOTAL	2.48	U		P	1	10	2.48
7440-70-2	CALCIUM, TOTAL	167			P	1	50	20.90
7440-47-3	CHROMIUM, TOTAL	0.96	B		P	1	15	0.69
7440-48-4	COBALT, TOTAL	2.99	U		P	1	30	2.99
7440-50-8	COPPER, TOTAL	3.19	U		P	1	25	3.19
7439-89-6	IRON, TOTAL	9.0	B		P	1	100	3.87
7439-92-1	LEAD, TOTAL	1.80	U		P	1	5.0	1.80
7439-95-4	MAGNESIUM, TOTAL	38.5	B		P	1	50	21.00
7439-96-5	MANGANESE, TOTAL	0.46	U		P	1	5.0	0.46
7439-97-6	MERCURY, TOTAL	0.01	U		CV	1	0.20	0.01
7440-02-0	NICKEL, TOTAL	9.98	U		P	1	40	9.98
7440-09-7	POTASSIUM, TOTAL	664.00	U		P	1	1000	664.00
7782-49-2	SELENIUM, TOTAL	4.04	U		P	1	10	4.04
7440-22-4	SILVER, TOTAL	1.21	U		P	1	15	1.21
7440-23-5	SODIUM, TOTAL	208	B		P	1	1000	44.40
7440-28-0	THALLIUM, TOTAL	6.04	U		P	1	15	6.04
7440-31-5	TIN, TOTAL	3.40	U		P	1	100	3.40
7440-62-2	VANADIUM, TOTAL	6.5	B		P	1	25	5.89
7440-66-6	ZINC, TOTAL	3.22	U		P	1	25	3.22

Bottle ID: E

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** MPT10-GW-MW01S-110606

Matrix: WATER **SDG Name:** CTO33-6

Percent Solids: 0.00 **Lab Sample ID:** WW6011-001

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7429-90-5	ALUMINUM, TOTAL	82.6	B		P	1	300	21.00
7440-36-0	ANTIMONY, TOTAL	2.68	U		P	1	8.0	2.68
7440-38-2	ARSENIC, TOTAL	3.09	U		P	1	8.0	3.09
7440-39-3	BARIUM, TOTAL	10.7			P	1	5.0	1.04
7440-41-7	BERYLLIUM, TOTAL	0.30	U		P	1	5.0	0.30
7440-43-9	CADMIUM, TOTAL	2.48	U		P	1	10	2.48
7440-70-2	CALCIUM, TOTAL	64100			P	1	50	20.90
7440-47-3	CHROMIUM, TOTAL	1.5	B		P	1	15	0.69
7440-48-4	COBALT, TOTAL	2.99	U		P	1	30	2.99
7440-50-8	COPPER, TOTAL	3.3	B		P	1	25	3.19
7439-89-6	IRON, TOTAL	63.7	B		P	1	100	3.87
7439-92-1	LEAD, TOTAL	1.80	U		P	1	5.0	1.80
7439-95-4	MAGNESIUM, TOTAL	21400			P	1	50	21.00
7439-96-5	MANGANESE, TOTAL	37.2			P	1	5.0	0.46
7439-97-6	MERCURY, TOTAL	0.01	U		CV	1	0.20	0.01
7440-02-0	NICKEL, TOTAL	9.98	U		P	1	40	9.98
7440-09-7	POTASSIUM, TOTAL	16300			P	1	1000	664.00
7782-49-2	SELENIUM, TOTAL	4.04	U		P	1	10	4.04
7440-22-4	SILVER, TOTAL	1.21	U		P	1	15	1.21
7440-23-5	SODIUM, TOTAL	54200			P	1	1000	44.40
7440-28-0	THALLIUM, TOTAL	6.04	U		P	1	15	6.04
7440-31-5	TIN, TOTAL	3.5	B		P	1	100	3.40
7440-62-2	VANADIUM, TOTAL	6.5	B		P	1	25	5.89
7440-66-6	ZINC, TOTAL	4.8	B		P	1	25	3.22

Bottle ID: E

Comments:

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WW6011-3
Report Date: 20-NOV-06
Client PO: MSA-0402-N4113-05 101198
Project: CTO 0033 NAVSTA Mayport
SDG: CTO33-6

Sample Description	Matrix	Date Sampled	Date Received
MPT08-GW-MW21S-11060	AQ	06-NOV-06	07-NOV-06

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Total Cyanide	J3.9 ug/L	10	SOW ILM04.0	WG34097	12-NOV-06 09:50:24	EPA M335.2	10-NOV-06	AMB	

340 County Road No. 5
P.O. Box 720, Westbrook, ME 04098
Tel:(207) 874-2400 Fax:(207) 775-4029

http://katahdinlab.com
sales@katahdinlab.com

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WW6011-2
Report Date: 20-NOV-06
Client PO: MSA-0402-N4113-05 101198
Project: CTO 0033 NAVSTA Mayport
SDG: CTO33-6

Sample Description	Matrix	Date Sampled	Date Received
MPT08-GW-MW22S-11060	AQ	06-NOV-06	07-NOV-06

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Total Cyanide	U10. ug/L	10	SOW ILM04.0	WG34097	12-NOV-06 09:50:24	EPA M335.2	10-NOV-06	AMB	

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WW6039-2
Report Date: 20-NOV-06
Client PO: MSA-0402-N4113-05 101198
Project: CTO 0033 NAVSTA Mayport
SDG: CTO33-6

Sample Description	Matrix	Date Sampled	Date Received
MPT09-GW-MW04S-11070	AQ	07-NOV-06	08-NOV-06

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Total Cyanide	J3.4 ug/L	10	SOW ILM04.0	WG34097	12-NOV-06 10:04:48	EPA M335.2	10-NOV-06	AMB	

340 County Road No. 5
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Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WW6039-3
Report Date: 20-NOV-06
Client PO: MSA-0402-N4113-05 101198
Project: CTO 0033 NAVSTA Mayport
SDG: CTO33-6

Sample Description	Matrix	Date Sampled	Date Received
MPT09-GW-MW05S-11070	AQ	07-NOV-06	08-NOV-06

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Total Cyanide	J2.9 ug/L	10	SOW ILM04.0	WG34097	12-NOV-06 10:04:48	EPA M335.2	10-NOV-06	AMB	

340 County Road No. 5
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Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WW6011-4
Report Date: 20-NOV-06
Client PO: MSA-0402-N4113-05 101198
Project: CTO 0033 NAVSTA Mayport
SDG: CTO33-6

Sample Description	Matrix	Date Sampled	Date Received
MPT09-GW-MW06S-11060	AQ	06-NOV-06	07-NOV-06

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Total Cyanide	U10. ug/L	10	SOW ILM04.0	WG34097	12-NOV-06 09:50:24	EPA M335.2	10-NOV-06	AMB	

340 County Road No. 5
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ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WW6039-1
Report Date: 20-NOV-06
Client PO: MSA-0402-N4113-05 101198
Project: CTO 0033 NAVSTA Mayport
SDG: CTO33-6

Sample Description	Matrix	Date Sampled	Date Received
MPT09-GW-MW06S-11070	AQ	07-NOV-06	08-NOV-06

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Total Cyanide	U10. ug/L	10	SOW ILM04.0	WG34097	12-NOV-06 09:50:24	EPA M335.2	10-NOV-06	AMB	

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WW6039-4
Report Date: 20-NOV-06
Client PO: MSA-0402-N4113-05 101198
Project: CTO 0033 NAVSTA Mayport
SDG: CTO33-6

Sample Description	Matrix	Date Sampled	Date Received
MPT09-GW-RB01-110706	AQ	07-NOV-06	08-NOV-06

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Total Cyanide	J3.7 ug/L	10	SOW ILM04.0	WG34097	12-NOV-06 10:04:48	EPA M335.2	10-NOV-06	AMB	

340 County Road No. 5
P.O. Box 720, Westbrook, ME 04098
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Cert No E87604

Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WW6011-1
Report Date: 20-NOV-06
Client PO: MSA-0402-N4113-05 101198
Project: CTO 0033 NAVSTA Mayport
SDG: CTO33-6

Sample Description	Matrix	Date Sampled	Date Received
MPT10-GW-MW01S-11060	AQ	06-NOV-06	07-NOV-06

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Total Cyanide	U10. ug/L	10	SOW ILM04.0	WG34097	12-NOV-06 09:50:24	EPA M335.2	10-NOV-06	AMB	

340 County Road No. 5
P.O. Box 720, Westbrook, ME 04098
Tel:(207) 874-2400 Fax:(207) 775-4029

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1B-IN

INORGANIC ANALYSIS DATA SHEET

MDK 12-22-06

Client ID: MPT08-GW-MW21S-110606

Lab Name: STL Savannah Job No.: 680-21769-1

SDG No.: CT033-6

Matrix: Water Lab Sample ID: 680-21769-3

Date Received: 11/08/2006 905 % Solids:

CAS No.	Analyte	Conc.	Units	C	Q	Method
18496-25-8	Sulfide	0.050	mg/L	U		376.2

Comments:

FORM IB-IN

1B-IN

INORGANIC ANALYSIS DATA SHEET

MDK 12-22-06

Client ID: MPT08-GW-MW22~~5~~S-110606

Lab Name: STL Savannah Job No.: 680-21769-1

SDG No.: CT033-6

Matrix: Water Lab Sample ID: 680-21769-2

Date Received: 11/08/2006 905 % Solids:

CAS No.	Analyte	Conc.	Units	C	Q	Method
18496-25-8	Sulfide	0.050	mg/L	U		376.2

Comments:

FORM IB-IN

1B-IN

INORGANIC ANALYSIS DATA SHEET

1-9-07 JAB

Client ID: MPT09-GW-MW04S-110706

Lab Name: STL Savannah Job No.: 680-21769-1

SDG No.: CT033-6

Matrix: Water Lab Sample ID: 680-21822-3

Date Received: 11/09/2006 940 % Solids:

CAS No.	Analyte	Conc.	Units	C	Q	Method
18496-25-8	Sulfide	0.16	mg/L			376.2

Comments:

FORM IB-IN

1B-IN

INORGANIC ANALYSIS DATA SHEET

1-9-07 JAA

Client ID: MPT09-GW-MW055-110706

Lab Name: STL Savannah Job No.: 680-21769-1

SDG No.: CT033-6

Matrix: Water Lab Sample ID: 680-21822-4

Date Received: 11/09/2006 940 % Solids:

CAS No.	Analyte	Conc.	Units	C	Q	Method
18496-25-8	Sulfide	0.050	mg/L	U		376.2

Comments:

FORM IB-IN

1B-IN

INORGANIC ANALYSIS DATA SHEET

MDK 12-22-06

Client ID: MPT09-GW-MW06S-110606

Lab Name: STL Savannah Job No.: 680-21769-1

SDG No.: CT033-6

Matrix: Water Lab Sample ID: 680-21769-4

Date Received: 11/08/2006 905 % Solids:

CAS No.	Analyte	Conc.	Units	C	Q	Method
18496-25-8	Sulfide	0.050	mg/L	U		376.2

Comments:

FORM IB-IN

1B-IN

INORGANIC ANALYSIS DATA SHEET

1-9-07 JAD

Client ID: MPT09-GW-MW06S-110706

Lab Name: STL Savannah Job No.: 680-21769-1

SDG No.: CT033-6

Matrix: Water Lab Sample ID: 680-21822-2

Date Received: 11/09/2006 940 % Solids:

CAS No.	Analyte	Conc.	Units	C	Q	Method
18496-25-8	Sulfide	0.050	mg/L	U		376.2

Comments:

FORM IB-IN

1B-IN

INORGANIC ANALYSIS DATA SHEET

Client ID: MPT09-GW-RB01-110706

Lab Name: STL Savannah Job No.: 680-21769-1

SDG No.: CT033-6

Matrix: Water Lab Sample ID: 680-21822-1

Date Received: 11/09/2006 940 % Solids:

CAS No.	Analyte	Conc.	Units	C	Q	Method
18496-25-8	Sulfide	0.050	mg/L	U		376.2

Comments:

FORM IB-IN

1B-IN

INORGANIC ANALYSIS DATA SHEET

MPL 12-22-06

Client ID: MPT10-GW-MW01S-110606

Lab Name: STL Savannah Job No.: 680-21769-1

SDG No.: CT033-6

Matrix: Water Lab Sample ID: 680-21769-1

Date Received: 11/08/2006 905 % Solids:

CAS No.	Analyte	Conc.	Units	C	Q	Method
18496-25-8	Sulfide	0.050	mg/L	U		376.2

Comments:

FORM IB-IN

APPENDIX C
SUPPORT DOCUMENTATION

WW6011

TETRA TECH NUS, INC.

CHAIN OF CUSTODY

NUMBER 2373

PAGE 1 OF 1

PROJECT NO:	FACILITY:	PROJECT MANAGER	PHONE NUMBER	LABORATORY NAME AND CONTACT:
112G00436	NS MAYPORT	Shina Ballard	(904) 636-6125	KATAHDIN / ANDREA COLBY
SAMPLERS (SIGNATURE)		FIELD OPERATIONS LEADER: Terry Cottenoir	PHONE NUMBER (904) 636-6125	ADDRESS: 340 COUNTY ROAD NO. 5
		CARRIER/WAYBILL NUMBER: FedEx AIRBILLS 8427 1827 1199, 8427 1827 1203		CITY, STATE: WESTBROOK, ME 04092

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

DATE YEAR 2006	TIME	SAMPLE ID	LOCATION ID	TOP DEPTH (FT)	BOTTOM DEPTH (FT)	MATRIX (GW, SO, SW, SD, QC, ETC.)	COLLECTION METHOD GRAB (G) COMP (C)	No. OF CONTAINERS	VOA	SVOA	PCBs	Cyanide	Sulfide	Metals			COMMENTS
CONTAINER TYPE PLASTIC (P) or GLASS (G)									G	G	G	P	P	P			
PRESERVATIVE USED									HCl	NONE	NONE	NaOH	ZnAc	HNO_3			
11/06	1050	MPT10-GW-MW01S-110606				GW	G	10	3	2	2	1	1	1			Cool To 4°C
	1245	MPT08-GW-MW22S-110606				↓	↓	↓	↓	↓	↓	↓	↓	↓			
	1425	MPT08-GW-MW21S-110606				↓	↓	↓	↓	↓	↓	↓	↓	↓			Job #:
	1533	MPT09-GW-MW06S-110606				↓	↓	↓	↓	↓	↓	↓	↓	↓			CTO 33
																	MAYPORT
																	Parameter:
																	Appendix IX VOC
																	Appendix IX SVOC
																	Appendix IX Metals

1. RELINQUISHED BY: Jonathan Foster	DATE 11-06-06	TIME	1. RECEIVED BY	DATE 11/07/06	TIME 0900
2. RELINQUISHED BY	DATE	TIME	2. RECEIVED BY	DATE	TIME
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE	TIME

COMMENTS

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

4/02R
FORM NO. TtNUS-001

WW6039

TETRA TECH NUS, INC.

CHAIN OF CUSTODY

NUMBER 2374

PAGE 1 OF 1

PROJECT NO: 11260	FACILITY: NS MAYPORT	PROJECT MANAGER: Shing Ballard	PHONE NUMBER: (904) 636-6125	LABORATORY NAME AND CONTACT: Katahdin Analytical Services, Andrea Colby
SAMPLERS (SIGNATURE)		FIELD OPERATIONS LEADER: Terry Cottenoir	PHONE NUMBER: (904) 636-6125	ADDRESS: 340 County Road No. 5
		CARRIER/WAYBILL NUMBER: Fed Ex: 8549 7858 3335 8427 1827 1214 8427 1827 1225		CITY, STATE: Westbrook, ME 04092

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

DATE YEAR 2006	TIME	SAMPLE ID (MDK 12-21-06; 065)	LOCATION ID	TOP DEPTH (FT)	BOTTOM DEPTH (FT)	MATRIX (GW, SO, SW, SD, QC, ETC.)	COLLECTION METHOD GRAB (G) COMP (C)	No. OF CONTAINERS	VOA	SVOA	PCBs	Cyanide	Sulfide	Metals	VOA+MBTEX	EDB	TRPH	PAH	COMMENTS
CONTAINER TYPE PLASTIC (P) or GLASS (G)									G	G	G	P	P	P	G	G	G	G	
PRESERVATIVE USED									HCl	None	None	NaOH	ZnAc	HNO3	HCl	HCl	HCl	None	
11/7	0955	MPT09-GW-MW067-110706				GW	G	10	3	2	2	1	1	1					Cool to 4°
	1110	MPT09-GW-MW045-110706						10	3	2	2	1	1	1					Appr. TX VOC, SVOC,
	1207	MPT09-GW-MW055-110706						10	3	2	2	1	1	1					Metals & Sulfide
	1300	MPT09-GW-RB01-110706				QC		10	3	2	2	1	1	1					Cyanide.
	1410	MPT11-GW-MW058-110706				GW		9							3	2	2	2	
	1500	MPT11-GW-RB02-110706				QC		9							3	2	2	2	
10/26	0935	TRIP BLANK				QC		2	2										

1. RELINQUISHED BY: Jonathan Foster	DATE: 11-7-06	TIME: 1800	1. RECEIVED BY:	DATE: 11/08/06	TIME: 0925
2. RELINQUISHED BY	DATE	TIME	2. RECEIVED BY	DATE	TIME
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE	TIME
COMMENTS					

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

4/02R
FORM NO. TtNUS-001

810000

KATAHDIN ANALYTICAL SERVICES, INC.
SAMPLE RECEIPT CONDITION REPORT
Tel. (207) 874-2400
Fax (207) 775-4029

LAB (WORK ORDER) # WW6039

PAGE: 1 OF 3

COOLER: 1 OF 3

CLIENT: Tetra Tech

PROJECT:

COC#
SDG#
DATE / TIME RECEIVED: 11/08/06 0925
DELIVERED BY: Fed Ex
RECEIVED BY: DWM
LIMS ENTRY BY: DWM
LIMS REVIEW BY / PM: ADC

	YES	NO	EXCEPTIONS	COMMENTS	RESOLUTION
1. CUSTODY SEALS PRESENT / INTACT?	☒	☐	☐		
2. CHAIN OF CUSTODY PRESENT IN THIS COOLER?	☒	☐	☐		
3. CHAIN OF CUSTODY SIGNED BY CLIENT?	☒	☐	☐		
4. CHAIN OF CUSTODY MATCHES SAMPLES?	☒ DWM	☒*	☐		
5. TEMPERATURE BLANKS PRESENT?	☒	☐	☐	TEMP BLANK TEMP (°C)= 2.3	
6. SAMPLES RECEIVED AT 4°C +/- 2? ICE / ICE PACKS PRESENT Y or N?	☒	☐	☐	COOLER TEMP (°C)= NA (RECORD COOLER TEMP ONLY IF TEMP BLANK IS NOT PRESENT)	
7. VOLATILES FREE OF HEADSPACE?	☒	☐	☐		
8. TRIP BLANK PRESENT IN THIS COOLER	☒	☐	☐		
9. PROPER SAMPLE CONTAINERS AND VOLUME?	☒	☐	☐		
10. SAMPLES WITHIN HOLD TIME UPON RECEIPT?	☒	☐	☐		
11. SAMPLES PROPERLY PRESERVED[1]?	☒	☐	☐		
12. CORRECTIVE ACTION REPORT FILED?	☐	☒	N/A		

13. ANALYTICAL PROGRAMS (CIRCLE ONE) COMMERCIAL CLP HAZWRAP NFESC ACOE AFCEE OTHER (STATE OF ORIGIN):

LOG - IN NOTES[1] * Desc. on COC = MPT09-GW-MW067-110706, Desc. on Sample = MPT09-GW-MW065-110706 — ZO is 65.

Use this space (and additional sheets if necessary) to document samples that are received broken or compromised, C-O-C discrepancies, radiation checks, residual chlorine check, results of pH check if required. If samples required pH adjustment, record volume and type of preservative added.

110001

HOLDTIME

SDG CTO33-6

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
HG	UG/L	MPT08-GW-MW22S-1106	WW6011-002	NM	11/6/2006	11/21/2006	11/22/2006	15	1	16
HG	UG/L	MPT09-GW-RB01-110706	WW6039-004	NM	11/7/2006	11/21/2006	11/22/2006	14	1	15
HG	UG/L	MPT09-GW-MW06S-1107	WW6039-001	NM	11/7/2006	11/21/2006	11/22/2006	14	1	15
HG	UG/L	MPT09-GW-MW06S-1106	WW6011-004	NM	11/6/2006	11/21/2006	11/22/2006	15	1	16
HG	UG/L	MPT09-GW-MW04S-1107	WW6039-002	NM	11/7/2006	11/21/2006	11/22/2006	14	1	15
HG	UG/L	MPT10-GW-MW01S-1106	WW6011-001	NM	11/6/2006	11/21/2006	11/22/2006	15	1	16
HG	UG/L	MPT08-GW-MW21S-1106	WW6011-003	NM	11/6/2006	11/21/2006	11/22/2006	15	1	16
HG	UG/L	MPT09-GW-MW05S-1107	WW6039-003	NM	11/7/2006	11/21/2006	11/22/2006	14	1	15
M	UG/L	MPT08-GW-MW21S-1106	WW6011-003	NM	11/6/2006	11/22/2006	11/27/2006	16	5	21
M	UG/L	MPT08-GW-MW22S-1106	WW6011-002	NM	11/6/2006	11/22/2006	11/22/2006	16	0	16
M	UG/L	MPT08-GW-MW22S-1106	WW6011-002	NM	11/6/2006	11/22/2006	11/27/2006	16	5	21
M	UG/L	MPT09-GW-MW04S-1107	WW6039-002	NM	11/7/2006	11/22/2006	11/22/2006	15	0	15
M	UG/L	MPT09-GW-RB01-110706	WW6039-004	NM	11/7/2006	11/22/2006	11/22/2006	15	0	15
M	UG/L	MPT09-GW-MW04S-1107	WW6039-002	NM	11/7/2006	11/22/2006	11/27/2006	15	5	20
M	UG/L	MPT09-GW-MW05S-1107	WW6039-003	NM	11/7/2006	11/22/2006	11/22/2006	15	0	15

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
M	UG/L	MPT09-GW-MW05S-1107	WW6039-003	NM	11/7/2006	11/22/2006	11/27/2006	15	5	20
M	UG/L	MPT08-GW-MW21S-1106	WW6011-003	NM	11/6/2006	11/22/2006	11/22/2006	16	0	16
M	UG/L	MPT09-GW-MW06S-1106	WW6011-004	NM	11/6/2006	11/22/2006	11/27/2006	16	5	21
M	UG/L	MPT09-GW-MW06S-1107	WW6039-001	NM	11/7/2006	11/22/2006	11/22/2006	15	0	15
M	UG/L	MPT09-GW-MW06S-1107	WW6039-001	NM	11/7/2006	11/22/2006	11/27/2006	15	5	20
M	UG/L	MPT09-GW-RB01-110706	WW6039-004	NM	11/7/2006	11/22/2006	11/27/2006	15	5	20
M	UG/L	MPT10-GW-MW01S-1106	WW6011-001	NM	11/6/2006	11/22/2006	11/22/2006	16	0	16
M	UG/L	MPT09-GW-MW06S-1106	WW6011-004	NM	11/6/2006	11/22/2006	11/22/2006	16	0	16
M	UG/L	MPT10-GW-MW01S-1106	WW6011-001	NM	11/6/2006	11/22/2006	11/27/2006	16	5	21
CN	UG/L	MPT10-GW-MW01S-1106	WW6011-1	NM	11/6/2006	11/10/2006	11/12/2006	4	2	6
CN	UG/L	MPT09-GW-RB01-110706	WW6039-4	NM	11/7/2006	11/10/2006	11/12/2006	3	2	5
CN	UG/L	MPT09-GW-MW06S-1107	WW6039-1	NM	11/7/2006	11/10/2006	11/12/2006	3	2	5
CN	UG/L	MPT09-GW-MW06S-1106	WW6011-4	NM	11/6/2006	11/10/2006	11/12/2006	4	2	6
CN	UG/L	MPT09-GW-MW05S-1107	WW6039-3	NM	11/7/2006	11/10/2006	11/12/2006	3	2	5
CN	UG/L	MPT09-GW-MW04S-1107	WW6039-2	NM	11/7/2006	11/10/2006	11/12/2006	3	2	5
CN	UG/L	MPT08-GW-MW22S-1106	WW6011-2	NM	11/6/2006	11/10/2006	11/12/2006	4	2	6
CN	UG/L	MPT08-GW-MW21S-1106	WW6011-3	NM	11/6/2006	11/10/2006	11/12/2006	4	2	6
SUL	MG/L	MPT09-GW-MW055-1107	680-21822-3	NM	11/7/2006	11/9/2006	11/9/2006	2	0	2

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
SUL	MG/L	MPT08-GW-MW215-1106	680-21769-3	NM	11/6/2006	11/9/2006	11/9/2006	3	0	3
SUL	MG/L	MPT09-GW-MW045-1107	680-21822-2	NM	11/7/2006	11/9/2006	11/9/2006	2	0	2
SUL	MG/L	MPT09-GW-MW065-1106	680-21769-4	NM	11/6/2006	11/9/2006	11/9/2006	3	0	3
SUL	MG/L	MPT09-GW-MW065-1107	680-21822-1	NM	11/7/2006	11/9/2006	11/9/2006	2	0	2
SUL	MG/L	MPT09-GW-RB01-110706	680-21822-4	NM	11/7/2006	11/9/2006	11/9/2006	2	0	2
SUL	MG/L	MPT10-GW-MW015-1106	680-21769-1	NM	11/6/2006	11/9/2006	11/9/2006	3	0	3
SUL	MG/L	MPT08-GW-MW225-1106	680-21769-2	NM	11/6/2006	11/9/2006	11/9/2006	3	0	3
OS	%	MPT09-GW-MW06S-1107	WW6039-1	NM	11/7/2006	11/9/2006	11/14/2006	2	5	7
OS	%	MPT09-GW-MW06S-1106	WW6011-4	NM	11/6/2006	11/9/2006	11/14/2006	3	5	8
OS	%	MPT10-GW-MW01S-1106	WW6011-1	NM	11/6/2006	11/9/2006	11/14/2006	3	5	8
OS	%	MPT08-GW-MW21S-1106	WW6011-3	NM	11/6/2006	11/9/2006	11/14/2006	3	5	8
OS	%	MPT09-GW-MW04S-1107	WW6039-2	NM	11/7/2006	11/9/2006	11/14/2006	2	5	7
OS	%	MPT09-GW-RB01-110706	WW6039-4	NM	11/7/2006	11/9/2006	11/14/2006	2	5	7
OS	%	MPT08-GW-MW22S-1106	WW6011-2	NM	11/6/2006	11/9/2006	11/14/2006	3	5	8
OS	%	MPT09-GW-MW05S-1107	WW6039-3	NM	11/7/2006	11/9/2006	11/14/2006	2	5	7
OS	UG/L	MPT09-GW-MW05S-1107	WW6039-3	NM	11/7/2006	11/9/2006	11/14/2006	2	5	7
OS	UG/L	MPT09-GW-RB01-110706	WW6039-4	NM	11/7/2006	11/9/2006	11/14/2006	2	5	7
OS	UG/L	MPT09-GW-MW06S-1106	WW6011-4	NM	11/6/2006	11/9/2006	11/14/2006	3	5	8

SDG NARRATIVE
KATAHDIN ANALYTICAL SERVICES
TETRA TECH NUS
CASE CTO 0033 NAVSTA MAYPORT
SDG: CTO33-6
WW6011, WW6039, WW6081

Sample Receipt

The following samples were received on November 7, 8 and 9, 2006 and were logged in under Katahdin Analytical Services work order numbers WW6011, WW6039 and WW6081 for a hardcopy due date of November 28, 2006.

KATAHDIN Sample No.	TTNUS Sample Identification
WW6011-1	MPT10-GW-MW01S-11060
WW6011-2	MPT08-GW-MW22S-11060
WW6011-3	MPT08-GW-MW21S-11060
WW6011-4	MPT09-GW-MW06S-11060
WW6011-5	TRIP BLANK
WW6039-1	MPT09-GW-MW06S-11070
WW6039-2	MPT09-GW-MW04S-11070
WW6039-3	MPT09-GW-MW05S-11070
WW6039-4	MPT09-GW-RB01-110706
WW6039-5	MPT11-GW-MW05S-11070
WW6039-6	MPT11-GW-RB02-110706
WW6039-7	TRIP BLANK
WW6081-1	MPT51-GW-MW01S-11080
WW6081-2	MPT51-GW-MW02S-11080
WW6081-3	MPT51-GW-MW03S-11080
WW6081-4	MPT51-GW-RB03-110806
WW6081-5	MPT07-GW-TW01S-11080
WW6081-6	MPT08-GW-MW12S-11080

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

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

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

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

Sample WW6081-5 had high recoveries for both surrogates o-terphenyl and n-triacontane-D_{62}, which were outside of the method acceptance limits. The client was notified and informed the laboratory to proceed with narration.

The LCS WG34022-2 and LCSD WG34022-3 had high recoveries for the PRO range that were outside of the method acceptance limits. The client was notified and informed the laboratory to proceed with narration.

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

Metals Analysis

The samples of SDG CTO33-6 were prepared and analyzed for metals in accordance with the "Test Methods for Evaluating Aqueous Waste", SW-846, November 1986, Third Edition.

Inductively-Coupled Plasma (ICP) Atomic Emission Spectroscopic Analysis

Aqueous-matrix Katahdin Sample Nos. WW6011- (1-4) and WW6039- (1-4) were digested for ICP analysis on 11/22/06 (QC Batch WK22ICW2) in accordance with USEPA Method 3010B. Katahdin Sample No. WW6039-4 was prepared with duplicate matrix-spiked aliquots.

ICP analyses of the SDG CTO33-6 sample digestates were performed using a Thermo Jarrell Ash (TJA) Trace ICP spectrometer and a TJA ICAP 61E ICP spectrometer in accordance with USEPA Method 6010B. All samples were analyzed within holding times and all analytical run QC criteria were met, with the following comments or exceptions:

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

The CCV analyzed at 23:23 on 11/22/06 (BWK22A) was above the laboratory's acceptance limit for cadmium. Since this indicated a high bias, only sample results less than the laboratory's PQL were reported.

The CRI analyzed at 23:25 on 11/27/06 (AWK27B) was outside the laboratory's acceptance limit for selenium. A CRI is not required for USEPA Method 6010B and the results were reported.

The PQL standard analyzed at 16:53 on 11/22/06 (BWK22A) was outside the laboratory's acceptance limits for calcium. A 100 ppb standard for calcium was analyzed immediately following and was within the laboratory's acceptance limits (50%-150% recovery of true value). Calcium results accepted from this run refer to 100 ppb as the PQL.

The CCB analyzed at 17:29 on 11/22/06 (BWK22A) was above the laboratory's acceptance limit for calcium and magnesium. Since this indicated a high bias, sample results greater than ten times the failed blank or less than the PQL were reported.

Analysis of Mercury by Cold Vapor Atomic Absorption (CVAA)

Aqueous-matrix Katahdin Sample Nos. WW6011- (1-4) and WW6039- (1-4) were digested for mercury analysis on 11/21/06 (QC Batch WK21HGW0) in accordance with USEPA Method 7471.

Mercury analyses of SDG CTO33-6 sample digestates were performed in accordance with USEPA Method 7471 using a Cetac M6100 automated mercury analyzer. All samples were analyzed within holding times and all analytical run QC criteria were met.

Matrix QC Summary

The recoveries for all analytes in the matrix-spiked aliquots of Katahdin Sample No. WW6039-4 were within the laboratory's acceptance limits (75% - 125% recovery of the added element, if the native concentration is less than four times the amount added).

The matrix-spike duplicate analyses of Katahdin Sample No. WW6039-4 are within the laboratory's acceptance limits (<20% relative difference between duplicate matrix-spiked aliquots) for all analytes.

The serial dilution analyses of Katahdin Sample Nos. WW6039-4 are within the laboratory's acceptance limit (<10% relative percent difference, if the concentration in the original sample is greater than 50 times the IDL) for all analytes.

Wet Chemistry Analysis

The samples of SDG CTO33-6 were analyzed in accordance with the specific methods listed on the Report of Analysis.

Analyses for cyanide were performed according to "U.S. EPA Contract Laboratory Program Statement of Work for Inorganic Analysis", SOW ILM04.0.

All Wet Chemistry results were evaluated to Katahdin Analytical Services' Method Detection Limits (MDL). Measured concentrations that fall between the MDL and Katahdin's Practical Quantitation Limit (PQL) are flagged "J". Measured concentrations that are below the MDL are flagged "U" and reported as "U PQL", where "PQL" is the numerical value of the Practical Quantitation Limit.

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

Subcontracted Analysis

Analyses for Sulfide were performed by a subcontract laboratory. Please refer to the section of the data package titled Subcontracted Data.

Katahdin
ANALYTICAL SERVICES

Cert. No. E87604

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

Leslie Dimond
11.30.06

Leslie Dimond
Quality Assurance Officer

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: Katahdin Analytical Services

SDG Name: CTO33-6 **SOW No.** SW846

Client Field ID	Lab Sample ID
MPT08-GW-MW21S-110606	WW6011-003
MPT08-GW-MW22S-110606	WW6011-002
MPT09-GW-MW04S-110706	WW6039-002
MPT09-GW-MW05S-110706	WW6039-003
MPT09-GW-MW06S-110606	WW6011-004
MPT09-GW-MW06S-110706	WW6039-001
MPT09-GW-RB01-110706	WW6039-004
MPT09-GW-RB01-110706	WW6039-004P
MPT09-GW-RB01-110706	WW6039-004S
MPT10-GW-MW01S-110606	WW6011-001

Were ICP interelement corrections applied ?	Yes
Were ICP background corrections applied ?	Yes
If yes - were raw data generated before application of background corrections ?	No

Comments:

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Sara J Colby Name: Sara J Colby

Date: 11/28/06 Title: Scientist II

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO33-6

Concentration Units: ug/L

SAMPLE: ICV

File: AWK27B Nov 27, 2006 14:54

Analyte	True	Found	%R (1)
ALUMINUM	20000.0	18914.11	94.6
ANTIMONY	600.0	579.11	96.5
ARSENIC	600.0	588.10	98.0
CALCIUM	20000.0	20207.30	101.0
CHROMIUM	500.0	495.57	99.1
IRON	20000.0	20056.78	100.3
LEAD	550.0	535.15	97.3
MAGNESIUM	20000.0	19865.09	99.3
SELENIUM	550.0	547.22	99.5
SILVER	200.0	194.59	97.3
THALLIUM	600.0	590.14	98.4
TIN	500.0	485.28	97.1

SAMPLE: CCV

File: AWK27B Nov 27, 2006 15:45

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	49347.68	98.7
ANTIMONY	1000.0	1017.91	101.8
ARSENIC	1000.0	1012.98	101.3
CALCIUM	50000.0	51763.52	103.5
CHROMIUM	1000.0	1026.43	102.6
IRON	20000.0	20313.10	101.6
LEAD	1000.0	1023.08	102.3
MAGNESIUM	50000.0	50220.96	100.4
SELENIUM	1000.0	1025.08	102.5
SILVER	250.0	241.86	96.7
THALLIUM	1000.0	1020.84	102.1
TIN	1000.0	1013.05	101.3

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO33-6

Concentration Units: ug/L

SAMPLE: CCV

File: AWK27B Nov 27, 2006 17:01

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	48970.48	97.9
ANTIMONY	1000.0	999.18	99.9
ARSENIC	1000.0	995.25	99.5
CALCIUM	50000.0	51177.73	102.4
CHROMIUM	1000.0	1023.87	102.4
IRON	20000.0	19974.72	99.9
LEAD	1000.0	997.86	99.8
MAGNESIUM	50000.0	49503.76	99.0
SELENIUM	1000.0	1000.75	100.1
SILVER	250.0	240.72	96.3
THALLIUM	1000.0	1003.32	100.3
TIN	1000.0	991.63	99.2

SAMPLE: CCV

File: AWK27B Nov 27, 2006 18:22

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	48341.76	96.7
ANTIMONY	1000.0	995.67	99.6
ARSENIC	1000.0	977.35	97.7
CALCIUM	50000.0	51374.96	102.7
CHROMIUM	1000.0	1038.54	103.9
IRON	20000.0	19740.86	98.7
LEAD	1000.0	993.62	99.4
MAGNESIUM	50000.0	49221.47	98.4
SELENIUM	1000.0	994.23	99.4
SILVER	250.0	238.87	95.5
THALLIUM	1000.0	981.70	98.2
TIN	1000.0	979.08	97.9

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO33-6

Concentration Units: ug/L

SAMPLE: CCV

File: AWK27B Nov 27, 2006 19:43

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	48948.36	97.9
ANTIMONY	1000.0	1008.98	100.9
ARSENIC	1000.0	984.41	98.4
CALCIUM	50000.0	51958.45	103.9
CHROMIUM	1000.0	1060.44	106.0
IRON	20000.0	20011.33	100.1
LEAD	1000.0	998.33	99.8
MAGNESIUM	50000.0	49634.12	99.3
SELENIUM	1000.0	996.83	99.7
SILVER	250.0	243.46	97.4
THALLIUM	1000.0	986.53	98.7
TIN	1000.0	985.54	98.6

SAMPLE: CCV

File: AWK27B Nov 27, 2006 21:04

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	48438.94	96.9
ANTIMONY	1000.0	1006.58	100.7
ARSENIC	1000.0	971.40	97.1
CALCIUM	50000.0	52092.53	104.2
CHROMIUM	1000.0	1066.69	106.7
IRON	20000.0	19794.71	99.0
LEAD	1000.0	990.92	99.1
MAGNESIUM	50000.0	49368.11	98.7
SELENIUM	1000.0	997.67	99.8
SILVER	250.0	240.63	96.3
THALLIUM	1000.0	975.55	97.6
TIN	1000.0	977.83	97.8

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO33-6

Concentration Units: ug/L

SAMPLE: CCV

File: AWK27B Nov 27, 2006 22:25

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	48349.74	96.7
ANTIMONY	1000.0	996.15	99.6
ARSENIC	1000.0	964.92	96.5
CALCIUM	50000.0	51280.91	102.6
CHROMIUM	1000.0	1053.24	105.3
IRON	20000.0	19687.21	98.4
LEAD	1000.0	976.23	97.6
MAGNESIUM	50000.0	48866.41	97.7
SELENIUM	1000.0	978.46	97.8
SILVER	250.0	240.26	96.1
THALLIUM	1000.0	968.74	96.9
TIN	1000.0	963.89	96.4

SAMPLE: CCV

File: AWK27B Nov 27, 2006 23:46

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	48588.95	97.2
ANTIMONY	1000.0	1013.27	101.3
ARSENIC	1000.0	976.01	97.6
CALCIUM	50000.0	52442.55	104.9
CHROMIUM	1000.0	1071.75	107.2
IRON	20000.0	19979.18	99.9
LEAD	1000.0	995.60	99.6
MAGNESIUM	50000.0	49713.95	99.4
SELENIUM	1000.0	1004.63	100.5
SILVER	250.0	242.61	97.0
THALLIUM	1000.0	983.34	98.3
TIN	1000.0	983.82	98.4

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO33-6

Concentration Units: ug/L

SAMPLE: ICV

File: BWK22A Nov 22, 2006 16:41

Analyte	True	Found	%R (1)
ALUMINUM	20000.0	20325.79	101.6
BARIUM	500.0	501.26	100.3
BERYLLIUM	500.0	501.13	100.2
CADMIUM	1250.0	1243.48	99.5
CALCIUM	20000.0	20560.98	102.8
COBALT	500.0	502.80	100.6
COPPER	500.0	498.13	99.6
IRON	20000.0	20967.23	104.8
MAGNESIUM	20000.0	21029.16	105.1
MANGANESE	500.0	502.65	100.5
NICKEL	1000.0	1002.03	100.2
POTASSIUM	20000.0	19947.72	99.7
SODIUM	20000.0	20252.87	101.3
VANADIUM	500.0	503.82	100.8
ZINC	1000.0	949.15	94.9

SAMPLE: CCV

File: BWK22A Nov 22, 2006 17:23

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50153.95	100.3
BARIUM	1000.0	997.18	99.7
BERYLLIUM	1000.0	993.39	99.3
CADMIUM	1000.0	994.86	99.5
CALCIUM	50000.0	48804.56	97.6
COBALT	1000.0	968.50	96.9
COPPER	1000.0	991.63	99.2
IRON	20000.0	19916.84	99.6
MAGNESIUM	50000.0	49317.61	98.6
MANGANESE	1000.0	998.29	99.8
NICKEL	1000.0	980.53	98.1
POTASSIUM	50000.0	49637.83	99.3
SODIUM	50000.0	49784.36	99.6
VANADIUM	1000.0	981.63	98.2
ZINC	1000.0	982.72	98.3

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO33-6

Concentration Units: ug/L

SAMPLE: CCV

File: BWK22A Nov 22, 2006 18:35

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50633.40	101.3
BARIUM	1000.0	991.92	99.2
BERYLLIUM	1000.0	1017.14	101.7
CADMIUM	1000.0	1013.35	101.3
CALCIUM	50000.0	50317.45	100.6
COBALT	1000.0	1011.76	101.2
COPPER	1000.0	1001.20	100.1
IRON	20000.0	20338.47	101.7
MAGNESIUM	50000.0	51093.96	102.2
MANGANESE	1000.0	1016.29	101.6
NICKEL	1000.0	1009.49	100.9
POTASSIUM	50000.0	49630.16	99.3
SODIUM	50000.0	50152.19	100.3
VANADIUM	1000.0	1001.69	100.2
ZINC	1000.0	1007.92	100.8

SAMPLE: CCV

File: BWK22A Nov 22, 2006 19:47

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50660.07	101.3
BARIUM	1000.0	1004.51	100.5
BERYLLIUM	1000.0	1019.00	101.9
CADMIUM	1000.0	1024.09	102.4
CALCIUM	50000.0	51170.30	102.3
COBALT	1000.0	1028.00	102.8
COPPER	1000.0	1002.54	100.3
IRON	20000.0	20550.86	102.8
MAGNESIUM	50000.0	51369.60	102.7
MANGANESE	1000.0	1012.73	101.3
NICKEL	1000.0	1019.74	102.0
POTASSIUM	50000.0	50251.19	100.5
SODIUM	50000.0	50596.10	101.2
VANADIUM	1000.0	1017.50	101.8
ZINC	1000.0	1017.09	101.7

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO33-6

Concentration Units: ug/L

SAMPLE: CCV

File: BWK22A Nov 22, 2006 20:59

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50287.25	100.6
BARIUM	1000.0	1005.14	100.5
BERYLLIUM	1000.0	1008.97	100.9
CADMIUM	1000.0	1020.86	102.1
CALCIUM	50000.0	50987.39	102.0
COBALT	1000.0	1013.85	101.4
COPPER	1000.0	998.78	99.9
IRON	20000.0	20468.60	102.3
MAGNESIUM	50000.0	50984.52	102.0
MANGANESE	1000.0	1005.76	100.6
NICKEL	1000.0	1010.50	101.1
POTASSIUM	50000.0	50317.57	100.6
SODIUM	50000.0	50297.61	100.6
VANADIUM	1000.0	1012.01	101.2
ZINC	1000.0	1014.34	101.4

SAMPLE: CCV

File: BWK22A Nov 22, 2006 22:11

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	51265.85	102.5
BARIUM	1000.0	1021.84	102.2
BERYLLIUM	1000.0	1023.11	102.3
CADMIUM	1000.0	1037.07	103.7
CALCIUM	50000.0	51651.94	103.3
COBALT	1000.0	1022.45	102.2
COPPER	1000.0	1012.85	101.3
IRON	20000.0	20690.06	103.5
MAGNESIUM	50000.0	51671.99	103.3
MANGANESE	1000.0	1022.06	102.2
NICKEL	1000.0	1039.02	103.9
POTASSIUM	50000.0	50840.62	101.7
SODIUM	50000.0	52185.01	104.4
VANADIUM	1000.0	1023.08	102.3
ZINC	1000.0	1030.59	103.1

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO33-6

Concentration Units: ug/L

SAMPLE: CCV

File: BWK22A Nov 22, 2006 23:23

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	54776.32	109.6
BARIUM	1000.0	1094.99	109.5
BERYLLIUM	1000.0	1095.00	109.5
CADMIUM	1000.0	1113.82	111.4 •
CALCIUM	50000.0	55416.69	110.8 •
COBALT	1000.0	1093.50	109.3
COPPER	1000.0	1083.24	108.3
IRON	20000.0	22194.58	111.0 •
MAGNESIUM	50000.0	55437.34	110.9 •
MANGANESE	1000.0	1096.67	109.7
NICKEL	1000.0	1102.10	110.2
POTASSIUM	50000.0	55024.98	110.0
SODIUM	50000.0	55414.24	110.8 •
VANADIUM	1000.0	1104.63	110.5
ZINC	1000.0	1104.21	110.4

SAMPLE: CCV

File: BWK22A Nov 23, 2006 0:10

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	51129.06	102.3
BARIUM	1000.0	1021.95	102.2
BERYLLIUM	1000.0	1021.57	102.2
CADMIUM	1000.0	1032.67	103.3
CALCIUM	50000.0	51652.42	103.3
COBALT	1000.0	1014.81	101.5
COPPER	1000.0	1010.73	101.1
IRON	20000.0	20720.70	103.6
MAGNESIUM	50000.0	51927.84	103.9
MANGANESE	1000.0	1023.05	102.3
NICKEL	1000.0	1025.86	102.6
POTASSIUM	50000.0	50732.70	101.5
SODIUM	50000.0	52110.17	104.2
VANADIUM	1000.0	1015.90	101.6
ZINC	1000.0	1032.26	103.2

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO33-6

Concentration Units: ug/L

SAMPLE: ICV

File: BWK27A Nov 27, 2006 15:28

Analyte	True	Found	%R (1)
ALUMINUM	20000.0	20483.61	102.4
CALCIUM	20000.0	20609.27	103.0
IRON	20000.0	21147.07	105.7
MAGNESIUM	20000.0	21149.07	105.7
SODIUM	20000.0	20285.82	101.4

SAMPLE: CCV

File: BWK27A Nov 27, 2006 16:11

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	49717.78	99.4
CALCIUM	50000.0	49547.96	99.1
IRON	20000.0	20114.26	100.6
MAGNESIUM	50000.0	50189.40	100.4
SODIUM	50000.0	50808.07	101.6

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO33-6

Concentration Units: ug/L

SAMPLE: CCV

File: BWK27A Nov 27, 2006 17:26

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	51432.42	102.9
CALCIUM	50000.0	51297.54	102.6
IRON	20000.0	20801.65	104.0
MAGNESIUM	50000.0	51733.56	103.5
SODIUM	50000.0	51936.55	103.9

SAMPLE: CCV

File: BWK27A Nov 27, 2006 18:38

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50787.66	101.6
CALCIUM	50000.0	50298.60	100.6
IRON	20000.0	20528.22	102.6
MAGNESIUM	50000.0	51414.49	102.8
SODIUM	50000.0	49899.34	99.8

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO33-6

Concentration Units: ug/L

SAMPLE: CCV

File: BWK27A Nov 27, 2006 19:50

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	51908.44	103.8
CALCIUM	50000.0	50656.78	101.3
IRON	20000.0	20679.18	103.4
MAGNESIUM	50000.0	51638.64	103.3
SODIUM	50000.0	51468.23	102.9

SAMPLE: CCV

File: BWK27A Nov 27, 2006 20:32

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	51417.53	102.8
CALCIUM	50000.0	50005.53	100.0
IRON	20000.0	20506.43	102.5
MAGNESIUM	50000.0	51280.26	102.6
SODIUM	50000.0	50826.94	101.7

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO33-6

Concentration Units: ug/L

SAMPLE: ICV

File: HWK22A Nov 22, 2006 9:19

Analyte	True	Found	%R (1)
MERCURY	6.0	5.89	98.2

SAMPLE: CCV

File: HWK22A Nov 22, 2006 9:45

Analyte	True	Found	%R (1)
MERCURY	5.0	5.17	103.4

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO33-6

Concentration Units: ug/L

SAMPLE: CCV

File: HWK22A Nov 22, 2006 10:10

Analyte	True	Found	%R (1)
MERCURY	5.0	5.40	108.0

SAMPLE: CCV

File: HWK22A Nov 22, 2006 10:23

Analyte	True	Found	%R (1)
MERCURY	5.0	5.30	106.0

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** CTO33-6

Concentration Units: ug/L

SAMPLE: CCV

File: HWK22A Nov 22, 2006 10:30

Analyte	True	Found	%R (1)
MERCURY	5.0	5.37	107.4

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2B

CRDL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** CTO33-6

Concentration Units: ug/L

SAMPLE: CRI

File: AWK27B Nov 27, 2006 15:25

Analyte	TRUE	FOUND	% R
ANTIMONY	120.0	120.37	100.3
ARSENIC	20.0	18.59	93.0
CHROMIUM	20.0	21.19	106.0
LEAD	6.0	5.46	91.0
SELENIUM	10.0	7.79	77.9
SILVER	20.0	20.30	101.5
THALLIUM	20.0	15.76	78.8

SAMPLE: CRI

File: AWK27B Nov 27, 2006 19:23

Analyte	TRUE	FOUND	% R
ANTIMONY	120.0	117.70	98.1
ARSENIC	20.0	14.78	73.9
CHROMIUM	20.0	22.92	114.6
LEAD	6.0	5.78	96.3
SELENIUM	10.0	6.44	64.4
SILVER	20.0	18.84	94.2
THALLIUM	20.0	18.66	93.3

2B

CRDL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** CTO33-6

Concentration Units: ug/L

SAMPLE: CRI

File: AWK27B Nov 27, 2006 23:25

Analyte	TRUE	FOUND	% R
ANTIMONY	120.0	118.00	98.3
ARSENIC	20.0	19.45	97.2
CHROMIUM	20.0	23.18	115.9
LEAD	6.0	5.31	88.5
SELENIUM	10.0	4.81	48.1 *
SILVER	20.0	19.74	98.7
THALLIUM	20.0	17.16	85.8

2B

CRDL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** CTO33-6

Concentration Units: ug/L

SAMPLE: CRI

File: BWK22A Nov 22, 2006 17:05

Analyte	TRUE	FOUND	% R
BERYLLIUM	10.0	9.82	98.2
CADMIUM	10.0	10.87	108.7
COBALT	100.0	103.44	103.4
COPPER	50.0	56.83	113.7
MANGANESE	30.0	29.52	98.4
NICKEL	80.0	81.82	102.3
VANADIUM	100.0	106.91	106.9
ZINC	40.0	36.74	91.9

SAMPLE: CRI

File: BWK22A Nov 22, 2006 20:41

Analyte	TRUE	FOUND	% R
BERYLLIUM	10.0	10.10	101.0
CADMIUM	10.0	10.01	100.1
COBALT	100.0	103.55	103.5
COPPER	50.0	57.74	115.5
MANGANESE	30.0	30.04	100.1
NICKEL	80.0	87.85	109.8
VANADIUM	100.0	108.10	108.1
ZINC	40.0	38.03	95.1

2B

CRDL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** CTO33-6

Concentration Units: ug/L

SAMPLE: CRI

File: BWK22A Nov 22, 2006 23:52

Analyte	TRUE	FOUND	% R
BERYLLIUM	10.0	10.19	101.9
CADMIUM	10.0	10.66	106.6
COBALT	100.0	104.22	104.2
COPPER	50.0	55.64	111.3
MANGANESE	30.0	31.77	105.9
NICKEL	80.0	90.74	113.4
VANADIUM	100.0	110.18	110.2
ZINC	40.0	38.89	97.2

2B

CRDL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** CTO33-6

Concentration Units: ug/L

SAMPLE: CRA

File: HWK22A Nov 22, 2006 09:24

Analyte	TRUE	FOUND	% R
MERCURY	0.2	0.18	90.0

2C

PQL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** CTO33-6

SAMPLE: PQL

File: AWK27B Nov 27, 2006 15:12 Concentration Units: ug/L

Analyte	TRUE	FOUND	% R
ALUMINUM	300.0	275.77	91.9
ANTIMONY	8.0	5.57	69.6
ARSENIC	8.0	6.85	85.6
CALCIUM	50.0	46.16	92.3
CHROMIUM	15.0	15.17	101.1
IRON	100.0	113.10	113.1
LEAD	5.0	6.61	132.2
MAGNESIUM	50.0	42.08	84.2
SELENIUM	10.0	6.31	63.1
SILVER	15.0	15.81	105.4
THALLIUM	15.0	11.51	76.7
TIN	100.0	108.63	108.6

2C

PQL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** CTO33-6

SAMPLE: PQL

File: BWK22A Nov 22, 2006 16:53 Concentration Units: ug/L

Analyte	TRUE	FOUND	% R
ALUMINUM	300.0	343.51	114.5
BARIUM	5.0	5.32	106.4
BERYLLIUM	5.0	5.01	100.2
CADMIUM	10.0	8.35	83.5
CALCIUM	50.0	89.62	179.2 •
COBALT	30.0	31.52	105.1
COPPER	25.0	28.53	114.1
IRON	100.0	111.16	111.2
MAGNESIUM	50.0	59.50	119.0
MANGANESE	5.0	5.63	112.6
NICKEL	40.0	43.63	109.1
POTASSIUM	1000.0	1452.95	145.3
SODIUM	1000.0	1065.83	106.6
VANADIUM	25.0	29.44	117.8
ZINC	25.0	26.95	107.8

2C

PQL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** CTO33-6

SAMPLE: PQL

File: BWK27A Nov 27, 2006 15:41 Concentration Units: ug/L

Analyte	TRUE	FOUND	% R
ALUMINUM	300.0	279.57	93.2
CALCIUM	50.0	54.32	108.6
IRON	100.0	108.72	108.7
MAGNESIUM	50.0	42.50	85.0
SODIUM	1000.0	971.27	97.1

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO33-6

Concentration Units: ug/L

SAMPLE: ICB

File: AWK27B Nov 27, 2006 15:05

Analyte	Result	C
ALUMINUM	13.20	U
ANTIMONY	-2.75	B
ARSENIC	3.09	U
CALCIUM	18.00	U
CHROMIUM	1.44	B
IRON	17.30	U
LEAD	1.80	U
MAGNESIUM	9.04	U
SELENIUM	4.04	U
SILVER	1.22	B
THALLIUM	6.04	U
TIN	3.40	U

SAMPLE: CCB 1

File: AWK27B Nov 27, 2006 15:52

Analyte	Result	C
ALUMINUM	27.92	B
ANTIMONY	2.68	U
ARSENIC	3.09	U
CALCIUM	26.08	B
CHROMIUM	0.69	U
IRON	17.30	U
LEAD	1.80	U
MAGNESIUM	24.77	B
SELENIUM	-4.07	B
SILVER	1.21	U
THALLIUM	6.04	U
TIN	3.40	U

SAMPLE: CCB 2

File: AWK27B Nov 27, 2006 17:08

Analyte	Result	C
ALUMINUM	32.22	B
ANTIMONY	2.68	U
ARSENIC	3.09	U
CALCIUM	18.00	U
CHROMIUM	1.10	B
IRON	17.30	U
LEAD	1.80	U
MAGNESIUM	9.04	U
SELENIUM	4.04	U
SILVER	1.32	B
THALLIUM	6.04	U
TIN	3.40	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO33-6

Concentration Units: ug/L

SAMPLE: CCB 3

File: AWK27B Nov 27, 2006 18:29

Analyte	Result	C
ALUMINUM	46.88	B
ANTIMONY	2.68	U
ARSENIC	3.09	U
CALCIUM	18.00	U
CHROMIUM	1.34	B
IRON	17.30	U
LEAD	1.80	U
MAGNESIUM	9.04	U
SELENIUM	4.04	U
SILVER	1.21	U
THALLIUM	6.04	U
TIN	3.40	U

SAMPLE: CCB 4

File: AWK27B Nov 27, 2006 19:50

Analyte	Result	C
ALUMINUM	67.17	B
ANTIMONY	2.68	U
ARSENIC	3.09	U
CALCIUM	18.00	U
CHROMIUM	1.53	B
IRON	17.30	U
LEAD	1.80	U
MAGNESIUM	16.44	B
SELENIUM	4.04	U
SILVER	1.21	U
THALLIUM	6.04	U
TIN	3.40	U

SAMPLE: CCB 5

File: AWK27B Nov 27, 2006 21:11

Analyte	Result	C
ALUMINUM	60.98	B
ANTIMONY	2.68	U
ARSENIC	3.09	U
CALCIUM	-41.42	B
CHROMIUM	1.63	B
IRON	17.30	U
LEAD	1.80	U
MAGNESIUM	9.04	U
SELENIUM	4.04	U
SILVER	1.41	B
THALLIUM	6.04	U
TIN	3.40	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO33-6

Concentration Units: ug/L

SAMPLE: CCB 6 X

File: AWK27B Nov 27, 2006 22:32

Analyte	Result	C
ALUMINUM	50.48	B
ANTIMONY	2.68	U
ARSENIC	3.09	U
CALCIUM	-30.65	B
CHROMIUM	1.24	B
IRON	17.30	U
LEAD	1.80	U
MAGNESIUM	9.04	U
SELENIUM	4.04	U
SILVER	1.21	U
THALLIUM	6.04	U
TIN	3.40	U

SAMPLE: CCB 7 X

File: AWK27B Nov 27, 2006 23:52

Analyte	Result	C
ALUMINUM	69.92	B
ANTIMONY	2.68	U
ARSENIC	3.09	U
CALCIUM	-25.76	B
CHROMIUM	0.83	B
IRON	17.30	U
LEAD	1.80	U
MAGNESIUM	9.04	U
SELENIUM	4.04	U
SILVER	1.21	U
THALLIUM	6.04	U
TIN	3.40	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO33-6

Concentration Units: ug/L

SAMPLE: ICB

File: BWK22A Nov 22, 2006 16:47

Analyte	Result	C
ALUMINUM	36.38	B
BARIUM	1.04	U
BERYLLIUM	0.30	U
CADMIUM	2.48	U
CALCIUM	20.90	U
COBALT	2.99	U
COPPER	4.83	B
IRON	7.98	B
MAGNESIUM	21.00	U
MANGANESE	0.46	U
NICKEL	9.98	U
POTASSIUM	664.00	U
SODIUM	44.40	U
VANADIUM	5.89	U
ZINC	3.22	U

SAMPLE: CCB 1

File: BWK22A Nov 22, 2006 17:29

Analyte	Result	C
ALUMINUM	59.63	B
BARIUM	1.04	U
BERYLLIUM	0.30	U
CADMIUM	2.48	U
CALCIUM	75.50	
COBALT	2.99	U
COPPER	4.88	B
IRON	28.99	B
MAGNESIUM	65.05	
MANGANESE	0.46	U
NICKEL	9.98	U
POTASSIUM	779.70	B
SODIUM	-212.77	B
VANADIUM	5.89	U
ZINC	3.22	U

SAMPLE: CCB 2

File: BWK22A Nov 22, 2006 18:41

Analyte	Result	C
ALUMINUM	32.42	B
BARIUM	1.20	B
BERYLLIUM	0.30	U
CADMIUM	2.48	U
CALCIUM	28.49	B
COBALT	2.99	U
COPPER	4.00	B
IRON	13.00	B
MAGNESIUM	34.73	B
MANGANESE	0.64	B
NICKEL	9.98	U
POTASSIUM	664.00	U
SODIUM	77.87	B
VANADIUM	6.43	B
ZINC	3.22	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO33-6

Concentration Units: ug/L

SAMPLE: CCB 3
File: BWK22A Nov 22, 2006 19:53

Analyte	Result	C
ALUMINUM	25.64	B
BARIUM	1.35	B
BERYLLIUM	0.30	U
CADMIUM	2.48	U
CALCIUM	22.08	B
COBALT	3.97	B
COPPER	5.60	B
IRON	13.08	B
MAGNESIUM	23.52	B
MANGANESE	0.47	B
NICKEL	9.98	U
POTASSIUM	664.00	U
SODIUM	161.62	B
VANADIUM	5.89	U
ZINC	3.22	U

SAMPLE: CCB 4
File: BWK22A Nov 22, 2006 21:05

Analyte	Result	C
ALUMINUM	77.55	B
BARIUM	1.19	B
BERYLLIUM	0.42	B
CADMIUM	2.48	U
CALCIUM	54.67	
COBALT	2.99	U
COPPER	5.61	B
IRON	22.73	B
MAGNESIUM	68.90	
MANGANESE	0.46	U
NICKEL	9.98	U
POTASSIUM	664.00	U
SODIUM	105.12	B
VANADIUM	5.89	U
ZINC	3.22	U

SAMPLE: CCB 5
File: BWK22A Nov 22, 2006 22:17

Analyte	Result	C
ALUMINUM	24.82	B
BARIUM	1.04	U
BERYLLIUM	0.30	U
CADMIUM	2.48	U
CALCIUM	24.32	B
COBALT	2.99	U
COPPER	5.25	B
IRON	11.62	B
MAGNESIUM	23.21	B
MANGANESE	0.46	U
NICKEL	9.98	U
POTASSIUM	753.10	B
SODIUM	267.62	B
VANADIUM	5.89	U
ZINC	3.22	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO33-6

Concentration Units: ug/L

SAMPLE: CCB 6

File: BWK22A Nov 22, 2006 23:29

Analyte	Result	C
ALUMINUM	50.88	B
BARIUM	1.67	B
BERYLLIUM	0.30	U
CADMIUM	2.48	U
CALCIUM	31.56	B
COBALT	2.99	U
COPPER	5.76	B
IRON	10.87	B
MAGNESIUM	25.52	B
MANGANESE	0.46	U
NICKEL	9.98	U
POTASSIUM	735.91	B
SODIUM	151.79	B
VANADIUM	5.89	U
ZINC	3.22	U

SAMPLE: CCB 7

File: BWK22A Nov 23, 2006 0:16

Analyte	Result	C
ALUMINUM	46.89	B
BARIUM	1.04	U
BERYLLIUM	0.46	B
CADMIUM	2.48	U
CALCIUM	42.34	B
COBALT	2.99	U
COPPER	4.08	B
IRON	15.83	B
MAGNESIUM	43.22	B
MANGANESE	0.80	B
NICKEL	9.98	U
POTASSIUM	664.00	U
SODIUM	120.50	B
VANADIUM	5.89	U
ZINC	3.22	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO33-6

Concentration Units: ug/L

SAMPLE: ICB

File: BWK27A Nov 27, 2006 15:34

Analyte	Result	C
ALUMINUM	21.00	U
CALCIUM	20.90	U
IRON	3.87	U
MAGNESIUM	21.00	U
SODIUM	-72.82	B

SAMPLE: CCB 1 X

File: BWK27A Nov 27, 2006 16:17

Analyte	Result	C
ALUMINUM	30.15	B
CALCIUM	29.35	B
IRON	14.57	B
MAGNESIUM	47.69	B
SODIUM	44.40	U

SAMPLE: CCB 2 X

File: BWK27A Nov 27, 2006 17:32

Analyte	Result	C
ALUMINUM	21.00	U
CALCIUM	20.90	U
IRON	8.36	B
MAGNESIUM	26.91	B
SODIUM	-95.34	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO33-6

Concentration Units: ug/L

SAMPLE: CCB 3 A

File: BWK27A Nov 27, 2006 18:44

Analyte	Result	C
ALUMINUM	21.00	U
CALCIUM	20.90	U
IRON	7.29	B
MAGNESIUM	21.00	U
SODIUM	-81.93	B

SAMPLE: CCB 4 X

File: BWK27A Nov 27, 2006 19:56

Analyte	Result	C
ALUMINUM	-26.64	B
CALCIUM	20.90	U
IRON	6.23	B
MAGNESIUM	21.00	U
SODIUM	-161.81	B

SAMPLE: CCB 5 X

File: BWK27A Nov 27, 2006 20:38

Analyte	Result	C
ALUMINUM	21.00	U
CALCIUM	20.90	U
IRON	8.63	B
MAGNESIUM	21.00	B
SODIUM	-175.37	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO33-6

Concentration Units: ug/L

SAMPLE: ICB

File: HWK22A Nov 22, 2006 9:22

Analyte	Result	C
MERCURY	-0.04	B

SAMPLE: CCB

File: HWK22A Nov 22, 2006 9:47

Analyte	Result	C
MERCURY	-0.03	B

SAMPLE: CCB

File: HWK22A Nov 22, 2006 10:12

Analyte	Result	C
MERCURY	-0.03	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** CTO33-6

Concentration Units: ug/L

SAMPLE: CCB

File: HWK22A Nov 22, 2006 10:25

Analyte	Result	C
MERCURY	-0.02	B

SAMPLE: CCB

File: HWK22A Nov 22, 2006 10:32

Analyte	Result	C
MERCURY	-0.03	B

3P

PREPARATION BLANKS

Lab Name: Katahdin Analytical Services **Sample ID:** PBWWK21HGW0

Matrix: WATER **SDG Name:** CTO33-6

QC Batch ID: WK21HGW0

Concentration Units : ug/L

Analyte	RESULT	C
MERCURY	-0.026	B

3P

PREPARATION BLANKS

Lab Name: Katahdin Analytical Services **Sample ID:** PBWWK22ICW2

Matrix: WATER **SDG Name:** CTO33-6

QC Batch ID: WK22ICW2

Concentration Units : ug/L

Analyte	RESULT	C
ALUMINUM	21.000	U
ANTIMONY	-3.430	B
ARSENIC	3.090	U
BARIUM	1.050	B
BERYLLIUM	0.300	U
CADMIUM	2.480	U
CALCIUM	28.880	B
CHROMIUM	0.960	B
COBALT	2.990	U
COPPER	5.720	B
IRON	13.040	B
LEAD	1.800	U
MAGNESIUM	21.000	U
MANGANESE	0.490	B
NICKEL	9.980	U
POTASSIUM	664.000	U
SELENIUM	4.040	U
SILVER	1.210	U
SODIUM	44.400	U
THALLIUM	6.040	U
TIN	3.500	B
VANADIUM	5.890	U
ZINC	3.220	U

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** CTO33-6

Concentration Units: ug/L

50%

SAMPLE: ICSA

File: AWK27B Nov 27, 2006 15:32

	Analyte	TRUE	FOUND	% R
250,000 ug/L	ALUMINUM	500000	506751	101.4
	ANTIMONY	0	-3	
	ARSENIC	0	-1	
250,000 ug/L	CALCIUM	500000	460992	92.2
	CHROMIUM	0	2	
100,000 ug/L	IRON	200000	201876	100.9
	LEAD	0	-4	
250,000 ug/L	MAGNESIUM	500000	507492	101.5
	SELENIUM	0	6	
	SILVER	0	-1	
	THALLIUM	0	0	
	TIN	0	3	

SAMPLE: ICSAB

File: AWK27B Nov 27, 2006 15:39

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	507628	101.5
ANTIMONY	600	606	101.0
ARSENIC	100	102	102.0
CALCIUM	500000	459270	91.9
CHROMIUM	500	503	100.6
IRON	200000	201438	100.7
LEAD	50	44	88.0
MAGNESIUM	500000	505594	101.1
SELENIUM	50	57	114.0
SILVER	200	217	108.5
THALLIUM	100	96	96.0
TIN	500	494	98.8

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** CTO33-6

Concentration Units: ug/L

SAMPLE: ICSA

File: AWK27B Nov 27, 2006 19:30

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	489699	97.9
ANTIMONY	0	-2	
ARSENIC	0	3	
CALCIUM	500000	455436	91.1
CHROMIUM	0	1	
IRON	200000	194174	97.1
LEAD	0	-4	
MAGNESIUM	500000	492293	98.5
SELENIUM	0	-2	
SILVER	0	-1	
THALLIUM	0	4	
TIN	0	2	

SAMPLE: ICSAB

File: AWK27B Nov 27, 2006 19:36

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	488003	97.6
ANTIMONY	600	593	98.8
ARSENIC	100	98	98.0
CALCIUM	500000	457750	91.5
CHROMIUM	500	513	102.6
IRON	200000	194238	97.1
LEAD	50	41	82.0
MAGNESIUM	500000	492901	98.6
SELENIUM	50	55	110.0
SILVER	200	209	104.5
THALLIUM	100	89	89.0
TIN	500	478	95.6

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** CTO33-6

Concentration Units: ug/L

SAMPLE: ICSA

File: AWK27B Nov 27, 2006 23:32

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	480151	96.0
ANTIMONY	0	-3	
ARSENIC	0	4	
CALCIUM	500000	454607	90.9
CHROMIUM	0	1	
IRON	200000	191685	95.8
LEAD	0	0	
MAGNESIUM	500000	486371	97.3
SELENIUM	0	5	
SILVER	0	-1	
THALLIUM	0	3	
TIN	0	-1	

SAMPLE: ICSAB

File: AWK27B Nov 27, 2006 23:39

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	482090	96.4
ANTIMONY	600	594	99.0
ARSENIC	100	94	94.0
CALCIUM	500000	456005	91.2
CHROMIUM	500	513	102.6
IRON	200000	192112	96.1
LEAD	50	42	84.0
MAGNESIUM	500000	487361	97.5
SELENIUM	50	50	100.0
SILVER	200	209	104.5
THALLIUM	100	92	92.0
TIN	500	469	93.8

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** CTO33-6

Concentration Units: ug/L

50%

SAMPLE: ICSA

File: BWK22A Nov 22, 2006 17:11

	Analyte	TRUE	FOUND	% R
250,000 ug/L	ALUMINUM	500000	488952	97.8
	BARIUM	0	1	
	BERYLLIUM	0	1	
	CADMIUM	0	1	
250,000 ug/L	CALCIUM	500000	469758	94.0
	COBALT	0	-4	
	COPPER	0	2	
100,000 ug/L	IRON	200000	187191	93.6
250,000 ug/L	MAGNESIUM	500000	467245	93.4
	MANGANESE	5	8	
	NICKEL	0	22	
	POTASSIUM	0	851	
	SODIUM	0	-467	
	VANADIUM	0	5	
	ZINC	0	-2	

SAMPLE: ICSAB

File: BWK22A Nov 22, 2006 17:17

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	498095	99.6
BARIUM	500	502	100.4
BERYLLIUM	500	483	96.6
CADMIUM	1000	958	95.8
CALCIUM	500000	471614	94.3
COBALT	500	440	88.0
COPPER	500	481	96.2
IRON	200000	189186	94.6
MAGNESIUM	500000	476231	95.2
MANGANESE	505	481	95.2
NICKEL	1000	906	90.6
POTASSIUM	20000	20803	104.0
SODIUM	20000	20174	100.9
VANADIUM	500	468	93.6
ZINC	1000	898	89.8

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** CTO33-6

Concentration Units: ug/L

SAMPLE: ICSA

File: BWK22A Nov 22, 2006 20:47

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	512968	102.6
BARIUM	0	2	
BERYLLIUM	0	1	
CADMIUM	0	0	
CALCIUM	500000	505175	101.0
COBALT	0	-7	
COPPER	0	1	
IRON	200000	198397	99.2
MAGNESIUM	500000	506769	101.4
MANGANESE	5	7	
NICKEL	0	9	
POTASSIUM	0	531	
SODIUM	0	-81	
VANADIUM	0	-3	
ZINC	0	-4	

SAMPLE: ICSAB

File: BWK22A Nov 22, 2006 20:53

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	507340	101.5
BARIUM	500	508	101.6
BERYLLIUM	500	501	100.2
CADMIUM	1000	989	98.9
CALCIUM	500000	500708	100.1
COBALT	500	464	92.8
COPPER	500	487	97.4
IRON	200000	197431	98.7
MAGNESIUM	500000	501596	100.3
MANGANESE	505	495	98.0
NICKEL	1000	949	94.9
POTASSIUM	20000	21085	105.4
SODIUM	20000	21012	105.1
VANADIUM	500	487	97.4
ZINC	1000	936	93.6

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** CTO33-6

Concentration Units: ug/L

SAMPLE: ICSA

File: BWK22A Nov 22, 2006 23:58

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	518473	103.7
BARIUM	0	1	
BERYLLIUM	0	0	
CADMIUM	0	5	
CALCIUM	500000	508017	101.6
COBALT	0	-9	
COPPER	0	-4	
IRON	200000	199241	99.6
MAGNESIUM	500000	512107	102.4
MANGANESE	5	7	
NICKEL	0	7	
POTASSIUM	0	286	
SODIUM	0	-79	
VANADIUM	0	-3	
ZINC	0	-3	

SAMPLE: ICSAB

File: BWK22A Nov 23, 2006 00:04

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	511211	102.2
BARIUM	500	511	102.2
BERYLLIUM	500	503	100.6
CADMIUM	1000	987	98.7
CALCIUM	500000	501336	100.3
COBALT	500	460	92.0
COPPER	500	493	98.6
IRON	200000	197512	98.8
MAGNESIUM	500000	505463	101.1
MANGANESE	505	498	98.6
NICKEL	1000	943	94.3
POTASSIUM	20000	21399	107.0
SODIUM	20000	21162	105.8
VANADIUM	500	484	96.8
ZINC	1000	947	94.7

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** CTO33-6

Concentration Units: ug/L

SAMPLE: ICSA

File: BWK27A Nov 27, 2006 15:59

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	510755	102.2
CALCIUM	500000	493242	98.6
IRON	200000	195458	97.7
MAGNESIUM	500000	503931	100.8
SODIUM	0	-249	

SAMPLE: ICSAB

File: BWK27A Nov 27, 2006 16:05

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	505465	101.1
CALCIUM	500000	489679	97.9
IRON	200000	194654	97.3
MAGNESIUM	500000	498223	99.6
SODIUM	20000	20723	103.6

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** CTO33-6

Concentration Units: ug/L

SAMPLE: ICSA

File: BWK27A Nov 27, 2006 20:20

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	522088	104.4
CALCIUM	500000	492725	98.5
IRON	200000	197043	98.5
MAGNESIUM	500000	508365	101.7
SODIUM	0	-337	

SAMPLE: ICSAB

File: BWK27A Nov 27, 2006 20:26

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	515217	103.0
CALCIUM	500000	485936	97.2
IRON	200000	194956	97.5
MAGNESIUM	500000	500838	100.2
SODIUM	20000	20663	103.3

5A

SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services | **Client Field ID:** MPT09-GW-RB01-110706S

Matrix: WATER | **SDG Name:** CTO33-6

Percent Solids: 0.00 | **Lab Sample ID:** WW6039-004P

Concentration Units : ug/L

Analyte	Spiked Sample Result	C	Sample Result	C	Spike Added	% R	Q	Control Limits (%R) Low	High	M
ALUMINUM, TOTAL	2024.4200		40.0900	B	2000	99.2		75	125	P
ANTIMONY, TOTAL	470.7500		1.6600	U	500	94.2		75	125	P
ARSENIC, TOTAL	459.2400		-1.0100	U	500	91.8		75	125	P
BARIUM, TOTAL	1999.2400		1.0500	B	2000	99.9		75	125	P
BERYLLIUM, TOTAL	50.8900		0.0000	U	50	101.8		75	125	P
CADMIUM, TOTAL	251.0400		1.1100	U	250	100.4		75	125	P
CALCIUM, TOTAL	2611.3600		167.3500		2500	97.8		75	125	P
CHROMIUM, TOTAL	204.7000		0.9600	B	200	101.9		75	125	P
COBALT, TOTAL	517.8900		0.0000	U	500	103.6		75	125	P
COPPER, TOTAL	254.6700		0.0100	U	250	101.9		75	125	P
IRON, TOTAL	1054.2600		8.9900	B	1000	104.5		75	125	P
LEAD, TOTAL	464.2700		0.4200	U	500	92.9		75	125	P
MAGNESIUM, TOTAL	5293.5900		38.5200	B	5000	105.1		75	125	P
MANGANESE, TOTAL	505.6900		0.1600	U	500	101.1		75	125	P
NICKEL, TOTAL	525.0700		2.4100	U	500	105.0		75	125	P
POTASSIUM, TOTAL	10393.6900		266.3400	U	10000	103.9		75	125	P
SELENIUM, TOTAL	464.9800		-2.5800	U	500	93.0		75	125	P
SILVER, TOTAL	46.9400		0.9800	U	50	93.9		75	125	P
SODIUM, TOTAL	7966.4800		207.9800	B	7500	103.4		75	125	P
THALLIUM, TOTAL	463.8600		-3.2800	U	500	92.8		75	125	P
TIN, TOTAL	457.7600		2.6900	U	500	91.6		75	125	P
VANADIUM, TOTAL	507.2900		6.4800	B	500	100.2		75	125	P
ZINC, TOTAL	484.1700		1.9400	U	500	96.8		75	125	P

Comments:

5A

SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services | **Client Field ID:** MPT09-GW-RB01-110706S

Matrix: WATER | **SDG Name:** CTO33-6

Percent Solids: 0.00 | **Lab Sample ID:** WW6039-004S

Concentration Units : ug/L

Analyte	Spiked Sample Result	C	Sample Result	C	Spike Added	% R	Q	Control Limits (%R) Low	High	M
ALUMINUM, TOTAL	2009.8000		40.0900	B	2000	98.5		75	125	P
ANTIMONY, TOTAL	469.6800		1.6600	U	500	93.9		75	125	P
ARSENIC, TOTAL	462.9400		-1.0100	U	500	92.6		75	125	P
BARIUM, TOTAL	1998.7000		1.0500	B	2000	99.9		75	125	P
BERYLLIUM, TOTAL	51.1200		0.0000	U	50	102.2		75	125	P
CADMIUM, TOTAL	255.6600		1.1100	U	250	102.3		75	125	P
CALCIUM, TOTAL	2634.5900		167.3500		2500	98.7		75	125	P
CHROMIUM, TOTAL	206.0500		0.9600	B	200	102.5		75	125	P
COBALT, TOTAL	517.6800		0.0000	U	500	103.5		75	125	P
COPPER, TOTAL	258.3400		0.0100	U	250	103.3		75	125	P
IRON, TOTAL	1049.5600		8.9900	B	1000	104.1		75	125	P
LEAD, TOTAL	466.6600		0.4200	U	500	93.3		75	125	P
MAGNESIUM, TOTAL	5322.9600		38.5200	B	5000	105.7		75	125	P
MANGANESE, TOTAL	507.6700		0.1600	U	500	101.5		75	125	P
NICKEL, TOTAL	520.2900		2.4100	U	500	104.1		75	125	P
POTASSIUM, TOTAL	10035.2100		266.3400	U	10000	100.4		75	125	P
SELENIUM, TOTAL	470.2700		-2.5800	U	500	94.1		75	125	P
SILVER, TOTAL	47.9100		0.9800	U	50	95.8		75	125	P
SODIUM, TOTAL	7953.1400		207.9800	B	7500	103.3		75	125	P
THALLIUM, TOTAL	467.7800		-3.2800	U	500	93.6		75	125	P
TIN, TOTAL	461.2400		2.6900	U	500	92.2		75	125	P
VANADIUM, TOTAL	505.2300		6.4800	B	500	99.8		75	125	P
ZINC, TOTAL	485.7100		1.9400	U	500	97.1		75	125	P

Comments:

5D

SPIKE DUPLICATES

Lab Name: Katahdin Analytical Services

Matrix: WATER

Percent Solids: 0.00

Client Field ID: MPT09-GW-RB01-110706

SDG Name: CTO33-6

Lab Sample ID: WW6039-004

Concentration Units : ug/L

Analyte	Control Limits	Spike Result	C	Spike Dup. Result	C	RPD	Q	M
ALUMINUM, TOTAL		2009.8000		2024.4200		0.7		P
ANTIMONY, TOTAL		469.6800		470.7500		0.2		P
ARSENIC, TOTAL		462.9400		459.2400		0.8		P
BARIUM, TOTAL		1998.7000		1999.2400		0.0		P
BERYLLIUM, TOTAL		51.1200		50.8900		0.5		P
CADMIUM, TOTAL		255.6600		251.0400		1.8		P
CALCIUM, TOTAL		2634.5900		2611.3600		0.9		P
CHROMIUM, TOTAL		206.0500		204.7000		0.7		P
COBALT, TOTAL		517.6800		517.8900		0.0		P
COPPER, TOTAL		258.3400		254.6700		1.4		P
IRON, TOTAL		1049.5600		1054.2600		0.4		P
LEAD, TOTAL		466.6600		464.2700		0.5		P
MAGNESIUM, TOTAL		5322.9600		5293.5900		0.6		P
MANGANESE, TOTAL		507.6700		505.6900		0.4		P
NICKEL, TOTAL		520.2900		525.0700		0.9		P
POTASSIUM, TOTAL		10035.2100		10393.6900		3.5		P
SELENIUM, TOTAL		470.2700		464.9800		1.1		P
SILVER, TOTAL	15	47.9100		46.9400		2.0		P
SODIUM, TOTAL		7953.1400		7966.4800		0.2		P
THALLIUM, TOTAL		467.7800		463.8600		0.8		P
TIN, TOTAL	100	461.2400		457.7600		0.8		P
VANADIUM, TOTAL		505.2300		507.2900		0.4		P
ZINC, TOTAL		485.7100		484.1700		0.3		P

Comments:

LABORATORY CONTROL SAMPLES

Lab Name: Katahdin Analytical Services **Sample ID:** LCSWWK22ICW2

Matrix: WATER **SDG Name:** CTO33-6

QC Batch ID: WK22ICW2

Concentration Units : ug/L

Analyte	TRUE	FOUND	% R	LIMITS (%)	
ALUMINUM	2000.0	1950.13	97.5	80	120
ANTIMONY	500.0	474.09	94.8	80	120
ARSENIC	500.0	474.65	94.9	80	120
BARIUM	2000.0	1921.10	96.1	80	120
BERYLLIUM	50.0	49.63	99.3	80	120
CADMIUM	250.0	240.06	96.0	80	120
CALCIUM	2500.0	2502.82	100.1	80	120
CHROMIUM	200.0	205.54	102.8	80	120
COBALT	500.0	485.62	97.1	80	120
COPPER	250.0	248.84	99.5	80	120
IRON	1000.0	1001.91	100.2	80	120
LEAD	500.0	476.01	95.2	80	120
MAGNESIUM	5000.0	5121.51	102.4	80	120
MANGANESE	500.0	494.28	98.9	80	120
NICKEL	500.0	501.03	100.2	80	120
POTASSIUM	10000.0	9931.44	99.3	80	120
SELENIUM	500.0	475.87	95.2	80	120
SILVER	50.0	49.70	99.4	80	120
SODIUM	7500.0	7343.71	97.9	80	120
THALLIUM	500.0	477.45	95.5	80	120
TIN	500.0	470.73	94.1	80	120
VANADIUM	500.0	484.93	97.0	80	120
ZINC	500.0	466.74	93.3	80	120

LABORATORY CONTROL SAMPLES

Lab Name: Katahdin Analytical Services **Sample ID:** LCSWWK21HGW0

Matrix: WATER **SDG Name:** CTO33-6

QC Batch ID: WK21HGW0

Concentration Units : ug/L

Analyte	TRUE	FOUND	% R	LIMITS (%)	
MERCURY	5.0	5.27	105.4	80	120

ICP SERIAL DILUTION

Lab Name: Katahdin Analytical Services

Matrix: WATER

Client Field ID: MPT09-GW-RB01-110706L

SDG Name: CTO33-6

Lab Sample ID: WW6039-004L

Concentration Units: ug/L

Analyte	Sample Result	C	Dilution Result	C	% Difference	Q	M
ALUMINUM, TOTAL	40.09	B	95.75	U	100.0		P
ANTIMONY, TOTAL	1.66	U	-6.98	U			P
ARSENIC, TOTAL	-1.01	U	10.93	U			P
BARIUM, TOTAL	1.05	B	3.70	U	100.0		P
BERYLLIUM, TOTAL	0.00	U	0.20	U			P
CADMIUM, TOTAL	1.11	U	4.17	U			P
CALCIUM, TOTAL	167.35		39.30	U	100.0		P
CHROMIUM, TOTAL	0.96	B	7.80	B	712.5		P
COBALT, TOTAL	0.00	U	8.29	U			P
COPPER, TOTAL	0.01	U	24.58	B			P
IRON, TOTAL	8.99	B	43.19	B	380.4		P
LEAD, TOTAL	0.42	U	-0.64	U			P
MAGNESIUM, TOTAL	38.52	B	106.97	B	177.7		P
MANGANESE, TOTAL	0.16	U	0.83	U			P
NICKEL, TOTAL	2.41	U	22.69	U			P
POTASSIUM, TOTAL	266.34	U	1178.10	U			P
SELENIUM, TOTAL	-2.58	U	-6.21	U			P
SILVER, TOTAL	0.98	U	2.39	U			P
SODIUM, TOTAL	207.98	B	863.31	B	315.1		P
THALLIUM, TOTAL	-3.28	U	15.42	U			P
TIN, TOTAL	2.69	U	2.52	U			P
VANADIUM, TOTAL	6.48	B	39.02	B	502.2		P
ZINC, TOTAL	1.94	U	10.07	U			P

INSTRUMENT DETECTION LIMITS

Lab Name: Katahdin Analytical Services **Instrument Code:** A

Instrument Name: TJA TRACE ICP **Date:** 8/7/06

Concentration Units: ug/L

Analyte	CRDL	IDL	M
ANTIMONY	8.0	2.68	P
ARSENIC	8.0	3.09	P
CHROMIUM	15	0.69	P
LEAD	5.0	1.80	P
SELENIUM	10	4.04	P
SILVER	15	1.21	P
THALLIUM	15	6.04	P
TIN	100	3.40	P

INSTRUMENT DETECTION LIMITS

Lab Name: Katahdin Analytical Services **Instrument Code:** B

Instrument Name: TJA 61 ICP **Date:** 8/7/06

Concentration Units: ug/L

Analyte	CRDL	IDL	M
ALUMINUM	300	21.00	P
BARIUM	5.0	1.04	P
BERYLLIUM	5.0	0.30	P
CADMIUM	10	2.48	P
CALCIUM	50	20.90	P
COBALT	30	2.99	P
COPPER	25	3.19	P
IRON	100	3.87	P
MAGNESIUM	50	21.00	P
MANGANESE	5.0	0.46	P
NICKEL	40	9.98	P
POTASSIUM	1000	664.00	P
SODIUM	1000	44.40	P
VANADIUM	25	5.89	P
ZINC	25	3.22	P

INSTRUMENT DETECTION LIMITS

Lab Name: Katahdin Analytical Services **Instrument Code:** H

Instrument Name: CETAC M6100 **Date:** 8/7/06

Concentration Units: ug/L

Analyte	CRDL	IDL	M
MERCURY	0.20	0.01	CV

ICP LINEAR RANGES

Lab Name: Katahdin Analytical Services **Instrument Code:** A

Instrument Name: TJA TRACE ICP **Date:** 3/14/06

Concentration Units: ug/L

Analyte	Integration Time (sec)	Linear Range	M
ALUMINUM	15.00	1000000	P
ANTIMONY	15.00	20000	P
ARSENIC	15.00	20000	P
BARIUM	15.00	20000	P
BERYLLIUM	15.00	20000	P
CADMIUM	15.00	20000	P
CALCIUM	15.00	1000000	P
CHROMIUM	15.00	20000	P
COBALT	15.00	20000	P
COPPER	15.00	20000	P
IRON	15.00	400000	P
LEAD	15.00	20000	P
MAGNESIUM	15.00	1000000	P
MANGANESE	15.00	20000	P
NICKEL	15.00	20000	P
POTASSIUM	15.00	1000000	P
SELENIUM	15.00	20000	P
SILVER	15.00	5000	P
SODIUM	15.00	1000000	P
THALLIUM	15.00	20000	P
TIN	15.00	20000	P
VANADIUM	15.00	20000	P
ZINC	15.00	10000	P

ICP LINEAR RANGES

Lab Name: Katahdin Analytical Services **Instrument Code:** B

Instrument Name: TJA 61 ICP **Date:** 3/14/06

Concentration Units: ug/L

Analyte	Integration Time (sec)	Linear Range	M
ALUMINUM	8.00	1000000	P
ANTIMONY	8.00	20000	P
ARSENIC	8.00	20000	P
BARIUM	8.00	20000	P
BERYLLIUM	8.00	20000	P
CADMIUM	8.00	20000	P
CALCIUM	8.00	1000000	P
CHROMIUM	8.00	20000	P
COBALT	8.00	20000	P
COPPER	8.00	20000	P
IRON	8.00	400000	P
LEAD	8.00	20000	P
MAGNESIUM	8.00	1000000	P
MANGANESE	8.00	20000	P
NICKEL	8.00	20000	P
POTASSIUM	8.00	1000000	P
SELENIUM	8.00	20000	P
SILVER	8.00	5000	P
SODIUM	8.00	1000000	P
VANADIUM	8.00	20000	P
ZINC	8.00	20000	P

PREPARATION LOG

Lab Name: Katahdin Analytical Services **QC Batch ID:** WK21HGW0

Matrix: WATER **SDG Name:** CTO33-6

Method: CV **Prep Date:** 11/21/2006

Client ID	Lab Sample ID	Initial (L)	Final (L)
LCSWWK21HGW0	LCSWWK21HGW0	0.025	0.025
PBWWK21HGW0	PBWWK21HGW0	0.025	0.025
MPT10-GW-MW01S-11060	WW6011-001	0.025	0.025
MPT08-GW-MW22S-11060	WW6011-002	0.025	0.025
MPT08-GW-MW21S-11060	WW6011-003	0.025	0.025
MPT09-GW-MW06S-11060	WW6011-004	0.025	0.025
MPT09-GW-MW06S-11070	WW6039-001	0.025	0.025
MPT09-GW-MW04S-11070	WW6039-002	0.025	0.025
MPT09-GW-MW05S-11070	WW6039-003	0.025	0.025
MPT09-GW-RB01-110706	WW6039-004	0.025	0.025

PREPARATION LOG

Lab Name: Katahdin Analytical Services **QC Batch ID:** WK22ICW2

Matrix: WATER **SDG Name:** CTO33-6

Method: P **Prep Date:** 11/22/2006

Client ID	Lab Sample ID	Initial (L)	Final (L)
LCSWWK22ICW2	LCSWWK22ICW2	0.05	0.05
PBWWK22ICW2	PBWWK22ICW2	0.05	0.05
MPT10-GW-MW01S-11060	WW6011-001	0.05	0.05
MPT08-GW-MW22S-11060	WW6011-002	0.05	0.05
MPT08-GW-MW21S-11060	WW6011-003	0.05	0.05
MPT09-GW-MW06S-11060	WW6011-004	0.05	0.05
MPT09-GW-MW06S-11070	WW6039-001	0.05	0.05
MPT09-GW-MW04S-11070	WW6039-002	0.05	0.05
MPT09-GW-MW05S-11070	WW6039-003	0.05	0.05
MPT09-GW-RB01-110706	WW6039-004	0.05	0.05
MPT09-GW-RB01-110706P	WW6039-004P	0.05	0.05
MPT09-GW-RB01-110706S	WW6039-004S	0.05	0.05

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO33-6

Instrument ID: TJA TRACE ICP **File Name:** AWK27B

Date: 11/27/06 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements				
S0		1	14:11	Al Sb As	Ca Cr	Fe Pb Mg	Se Ag	Tl Sn
S1		1	14:18	Al Sb As	Ca Cr	Fe Pb Mg	Se Ag	Tl Sn
AL IEC		1	14:27	Al Sb As	Ca Cr	Fe Pb Mg	Se Ag	Tl Sn
FE IEC		1	14:34	Al Sb As	Ca Cr	Fe Pb Mg	Se Ag	Tl Sn
MN IEC		1	14:41	Al Sb As	Ca Cr	Fe Pb Mg	Se Ag	Tl Sn
IEC		1	14:48	Al Sb As	Ca Cr	Fe Pb Mg	Se Ag	Tl Sn
ICV		1	14:54	Al Sb As	Ca Cr	Fe Pb Mg	Se Ag	Tl Sn
ICB		1	15:05	Al Sb As	Ca Cr	Fe Pb Mg	Se Ag	Tl Sn
PQL		1	15:12	Al Sb As	Ca Cr	Fe Pb Mg	Se Ag	Tl Sn
0.1PPM CA,MG		1	15:18	Al Sb As	Ca Cr	Fe Pb Mg	Se Ag	Tl Sn
CRI		1	15:25	Al Sb As	Ca Cr	Fe Pb Mg	Se Ag	Tl Sn
ICSA		1	15:32	Al Sb As	Ca Cr	Fe Pb Mg	Se Ag	Tl Sn
ICSAB		1	15:39	Al Sb As	Ca Cr	Fe Pb Mg	Se Ag	Tl Sn
CCV		1	15:45	Al Sb As	Ca Cr	Fe Pb Mg	Se Ag	Tl Sn
CCB 1		1	15:52	Al Sb As	Ca Cr	Fe Pb Mg	Se Ag	Tl Sn
ZZZZZZ		1	15:59					
ZZZZZZ		1	16:06					
ZZZZZZ		1	16:12					
ZZZZZZ		1	16:19					
ZZZZZZ		1	16:26					
ZZZZZZ		1	16:32					
ZZZZZZ		1	16:39					
ZZZZZZ		1	16:46					
ZZZZZZ		5	16:55					
CCV		1	17:01	Al Sb As	Ca Cr	Fe Pb Mg	Se Ag	Tl Sn
CCB 2		1	17:08	Al Sb As	Ca Cr	Fe Pb Mg	Se Ag	Tl Sn
ZZZZZZ		1	17:15					
ZZZZZZ		1	17:22					
ZZZZZZ		1	17:28					
ZZZZZZ		1	17:35					
ZZZZZZ		1	17:42					
ZZZZZZ		1	17:49					
ZZZZZZ		1	17:55					
ZZZZZZ		1	18:02					
ZZZZZZ		1	18:09					
ZZZZZZ		1	18:15					
CCV		1	18:22	Al Sb As	Ca Cr	Fe Pb Mg	Se Ag	Tl Sn
CCB 3		1	18:29	Al Sb As	Ca Cr	Fe Pb Mg	Se Ag	Tl Sn
ZZZZZZ		1	18:36					
ZZZZZZ		1	18:42					
ZZZZZZ		1	18:49					
ZZZZZZ		1	18:56					
LCSWWK22ICW2		1	19:03	Sb As	Cr	Pb	Se Ag	Tl Sn
PBWWK22ICW2		1	19:09	Sb As	Cr	Pb	Se Ag	Tl Sn
WW6011-001	PT10-GW-MW01S-11060	1	19:16	Sb As	Cr	Pb	Se Ag	Tl Sn
CRI		1	19:23	Al Sb As	Ca Cr	Fe Pb Mg	Se Ag	Tl Sn
ICSA		1	19:30	Al Sb As	Ca Cr	Fe Pb Mg	Se Ag	Tl Sn
ICSAB		1	19:36	Al Sb As	Ca Cr	Fe Pb Mg	Se Ag	Tl Sn
CCV		1	19:43	Al Sb As	Ca Cr	Fe Pb Mg	Se Ag	Tl Sn
CCB 4		1	19:50	Al Sb As	Ca Cr	Fe Pb Mg	Se Ag	Tl Sn

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO33-6

Instrument ID: TJA TRACE ICP **File Name:** AWK27B

Date: 11/27/06 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements						
WW6011-002	PT08-GW-MW22S-11060	1	19:57	Sb As	Cr	Pb	Se	Ag	Tl	Sn
WW6011-003	PT08-GW-MW21S-11060	1	20:03	Sb As	Cr	Pb	Se	Ag	Tl	Sn
WW6011-004	PT09-GW-MW06S-11060	1	20:10	Sb As	Cr	Pb	Se	Ag	Tl	Sn
WW6039-001	PT09-GW-MW06S-11070	1	20:17	Sb As	Cr	Pb	Se	Ag	Tl	Sn
WW6039-002	PT09-GW-MW04S-11070	1	20:23	Sb As	Cr	Pb	Se	Ag	Tl	Sn
WW6039-003	PT09-GW-MW05S-11070	1	20:30	Sb As	Cr	Pb	Se	Ag	Tl	Sn
WW6039-004	MPT09-GW-RB01-110706	1	20:37	Sb As	Cr	Pb	Se	Ag	Tl	Sn
WW6039-004L	PT09-GW-RB01-110706L	5	20:44	Sb As	Cr	Pb	Se	Ag	Tl	Sn
WW6039-004P	PT09-GW-RB01-110706P	1	20:50	Sb As	Cr	Pb	Se	Ag	Tl	Sn
WW6039-004S	PT09-GW-RB01-110706S	1	20:57	Sb As	Cr	Pb	Se	Ag	Tl	Sn
CCV		1	21:04	Al Sb As	Ca Cr	Fe Pb Mg	Se	Ag	Tl	Sn
CCB 5		1	21:11	Al Sb As	Ca Cr	Fe Pb Mg	Se	Ag	Tl	Sn
ZZZZZZ		1	21:17							
ZZZZZZ		1	21:24							
ZZZZZZ		1	21:31							
ZZZZZZ		1	21:38							
ZZZZZZ		5	21:44							
ZZZZZZ		1	21:51							
ZZZZZZ		1	21:58							
ZZZZZZ		2	22:05							
ZZZZZZ		2	22:11							
ZZZZZZ		25	22:18							
CCV		1	22:25	Al Sb As	Ca Cr	Fe Pb Mg	Se	Ag	Tl	Sn
CCB 6		1	22:32	Al Sb As	Ca Cr	Fe Pb Mg	Se	Ag	Tl	Sn
ZZZZZZ		1	22:38							
ZZZZZZ		1	22:45							
ZZZZZZ		1	22:52							
ZZZZZZ		1	22:58							
ZZZZZZ		1	23:05							
ZZZZZZ		1	23:12							
ZZZZZZ		1	23:19							
CRI		1	23:25	Al Sb As	Ca Cr	Fe Pb Mg	Se	Ag	Tl	Sn
ICSA		1	23:32	Al Sb As	Ca Cr	Fe Pb Mg	Se	Ag	Tl	Sn
ICSAB		1	23:39	Al Sb As	Ca Cr	Fe Pb Mg	Se	Ag	Tl	Sn
CCV		1	23:46	Al Sb As	Ca Cr	Fe Pb Mg	Se	Ag	Tl	Sn
CCB 7		1	23:52	Al Sb As	Ca Cr	Fe Pb Mg	Se	Ag	Tl	Sn

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO33-6

Instrument ID: TJA 61 ICP **File Name:** BWK22A

Date: 11/22/06 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements								
S0		1	16:11	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Na	V Zn	
S1		1	16:18	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Na	V Zn	
AL IEC		1	16:24	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Na	V Zn	
FE IEC		1	16:32	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Na	V Zn	
ICV		1	16:41	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Na	V Zn	
ICB		1	16:47	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Na	V Zn	
PQL		1	16:53	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Na	V Zn	
0.1 PPM CA,MG		1	16:59	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Na	V Zn	
CRI		1	17:05	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Na	V Zn	
ICSA		1	17:11	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Na	V Zn	
ICSAB		1	17:17	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Na	V Zn	
CCV		1	17:23	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Na	V Zn	
CCB 2		1	17:29	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Na	V Zn	
ZZZZZZ		1	17:35									
ZZZZZZ		1	17:41									
ZZZZZZ		1	17:47									
ZZZZZZ		1	17:53									
PBWWK22ICW2		1	17:59	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Na	V Zn	
LCSWWK22ICW2		1	18:05	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Na	V Zn	
WW6011-001	PT10-GW-MW01S-11060	1	18:11	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Na	V Zn	
WW6011-002	PT08-GW-MW22S-11060	1	18:17	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Na	V Zn	
WW6011-003	PT08-GW-MW21S-11060	1	18:23	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Na	V Zn	
ZZZZZZ		1	18:29									
CCV		1	18:35	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Na	V Zn	
CCB 2		1	18:41	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Na	V Zn	
WW6039-001	PT09-GW-MW06S-11070	1	18:47	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Na	V Zn	
WW6039-002	PT09-GW-MW04S-11070	1	18:53	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Na	V Zn	
WW6039-003	PT09-GW-MW05S-11070	1	18:59	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Na	V Zn	
WW6039-004	PT09-GW-RB01-110706	1	19:05	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Na	V Zn	
WW6039-004L	PT09-GW-RB01-110706L	5	19:11	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Na	V Zn	
WW6039-004S	PT09-GW-RB01-110706S	1	19:17	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Na	V Zn	
WW6039-004P	PT09-GW-RB01-110706P	1	19:23	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Na	V Zn	
ZZZZZZ		1	19:29									
ZZZZZZ		1	19:35									
ZZZZZZ		1	19:41									
CCV		1	19:47	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Na	V Zn	
CCB 3		1	19:53	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Na	V Zn	
ZZZZZZ		1	19:59									
ZZZZZZ		1	20:05									
ZZZZZZ		1	20:11									
ZZZZZZ		1	20:17									
ZZZZZZ		1	20:23									
ZZZZZZ		1	20:29									
ZZZZZZ		1	20:35									
CRI		1	20:41	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Na	V Zn	
ICSA		1	20:47	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Na	V Zn	
ICSAB		1	20:53	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Na	V Zn	
CCV		1	20:59	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Na	V Zn	
CCB 4		1	21:05	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Na	V Zn	
ZZZZZZ		1	21:11									

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO33-6

Instrument ID: TJA 61 ICP **File Name:** BWK22A

Date: 11/22/06 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements								
ZZZZZZ		1	21:17									
ZZZZZZ		1	21:23									
ZZZZZZ		1	21:29									
ZZZZZZ		1	21:35									
ZZZZZZ		1	21:41									
ZZZZZZ		1	21:47									
ZZZZZZ		1	21:53									
ZZZZZZ		1	21:59									
ZZZZZZ		1	22:05									
CCV		1	22:11	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Na	V Zn	
CCB 5		1	22:17	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Na	V Zn	
ZZZZZZ		1	22:23									
ZZZZZZ		1	22:29									
ZZZZZZ		5	22:35									
ZZZZZZ		1	22:41									
ZZZZZZ		1	22:47									
ZZZZZZ		1	22:53									
ZZZZZZ		1	22:59									
ZZZZZZ		1	23:05									
ZZZZZZ		1	23:11									
ZZZZZZ		1	23:17									
CCV		1	23:23	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Na	V Zn	
CCB 6		1	23:29	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Na	V Zn	
ZZZZZZ		1	23:35									
ZZZZZZ		1	23:41									
WW6011-004	PT09-GW-MW06S-11060	1	23:46	Al	Ba Be	Cd	Co Cu	Mn	Ni K		V Zn	
CRI		1	23:52	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Na	V Zn	
ICSA		1	23:58	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Na	V Zn	
ICSAB		1	0:04	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Na	V Zn	
CCV		1	0:10	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Na	V Zn	
CCB 7		1	0:16	Al	Ba Be	Cd Ca	Co Cu Fe	Mg Mn	Ni K	Na	V Zn	

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO33-6

Instrument ID: TJA 61 ICP **File Name:** BWK27A

Date: 11/27/06 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements			
S0		1	14:59	Al	Ca	Fe	Mg	Na
S1		1	15:05	Al	Ca	Fe	Mg	Na
AL IEC		1	15:11	Al	Ca	Fe	Mg	Na
FE IEC		1	15:20	Al	Ca	Fe	Mg	Na
ICV		1	15:28	Al	Ca	Fe	Mg	Na
ICB		1	15:34	Al	Ca	Fe	Mg	Na
PQL		1	15:41	Al	Ca	Fe	Mg	Na
0.1 PPM CA,MG		1	15:47	Al	Ca	Fe	Mg	Na
CRI		1	15:53	Al	Ca	Fe	Mg	Na
ICSA		1	15:59	Al	Ca	Fe	Mg	Na
ICSAB		1	16:05	Al	Ca	Fe	Mg	Na
CCV		1	16:11	Al	Ca	Fe	Mg	Na
CCB 1		1	16:17	Al	Ca	Fe	Mg	Na
ZZZZZZ		1	16:23					
ZZZZZZ		1	16:32					
ZZZZZZ		1	16:38					
ZZZZZZ		1	16:44					
ZZZZZZ		5	16:50					
ZZZZZZ		1	16:56					
ZZZZZZ		1	17:02					
ZZZZZZ		1	17:08					
ZZZZZZ		1	17:14					
ZZZZZZ		1	17:20					
CCV		1	17:26	Al	Ca	Fe	Mg	Na
CCB 2		1	17:32	Al	Ca	Fe	Mg	Na
ZZZZZZ		1	17:38					
ZZZZZZ		1	17:44					
ZZZZZZ		1	17:50					
ZZZZZZ		1	17:56					
WW6011-004	PT09-GW-MW06S-11060	1	18:02		Ca	Fe	Mg	Na
ZZZZZZ		1	18:08					
ZZZZZZ		1	18:14					
ZZZZZZ		1	18:20					
ZZZZZZ		1	18:26					
ZZZZZZ		1	18:32					
CCV		1	18:38	Al	Ca	Fe	Mg	Na
CCB 3		1	18:44	Al	Ca	Fe	Mg	Na
ZZZZZZ		1	18:50					
ZZZZZZ		1	18:56					
ZZZZZZ		1	19:02					
ZZZZZZ		1	19:08					
ZZZZZZ		1	19:14					
ZZZZZZ		1	19:20					
ZZZZZZ		1	19:26					
ZZZZZZ		1	19:32					
ZZZZZZ		1	19:38					
ZZZZZZ		1	19:44					
CCV		1	19:50	Al	Ca	Fe	Mg	Na
CCB 4		1	19:56	Al	Ca	Fe	Mg	Na
ZZZZZZ		1	20:02					

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO33-6

Instrument ID: TJA 61 ICP **File Name:** BWK27A

Date: 11/27/06 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements				
ZZZZZZ		1	20:08					
CRI		1	20:14	Al	Ca	Fe	Mg	Na
ICSA		1	20:20	Al	Ca	Fe	Mg	Na
ICSAB		1	20:26	Al	Ca	Fe	Mg	Na
CCV		1	20:32	Al	Ca	Fe	Mg	Na
CCB 5		1	20:38	Al	Ca	Fe	Mg	Na

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** CTO33-6

Instrument ID: CETAC M6100 **File Name:** HWK22A

Date: 11/22/06 **Method:** CV

Lab Sample ID	Client ID	D.F.	Time	Elements
Calibration Blank		1	9:06	Hg
Standard #1 (0.2 p		1	9:08	Hg
Standard #2 (0.5 p		1	9:10	Hg
Standard #3 (1.0 p		1	9:12	Hg
Standard #4 (5.0 p		1	9:14	Hg
Standard #5 (10.0		1	9:16	Hg
ICV		1	9:19	HG
ICB		1	9:22	HG
CRA		1	9:24	HG
LCSWWK21HGW0		1	9:26	HG
ZZZZZZ		1	9:28	
PBWWK21HGW0		1	9:30	HG
ZZZZZZ		1	9:32	
ZZZZZZ		1	9:34	
ZZZZZZ		1	9:36	
WW6011-001	PT10-GW-MW01S-11060	1	9:38	HG
WW6011-002	PT08-GW-MW22S-11060	1	9:41	HG
WW6011-003	PT08-GW-MW21S-11060	1	9:43	HG
CCV		1	9:45	HG
CCB		1	9:47	HG
WW6011-004	PT09-GW-MW06S-11060	1	9:49	HG
WW6039-001	PT09-GW-MW06S-11070	1	9:51	HG
WW6039-002	PT09-GW-MW04S-11070	1	9:53	HG
WW6039-003	PT09-GW-MW05S-11070	1	9:55	HG
WW6039-004	MPT09-GW-RB01-110706	1	9:58	HG
ZZZZZZ		1	10:00	
ZZZZZZ		1	10:02	
ZZZZZZ		1	10:04	
ZZZZZZ		1	10:06	
ZZZZZZ		1	10:08	
CCV		1	10:10	HG
CCB		1	10:12	HG
ZZZZZZ		1	10:15	
ZZZZZZ		1	10:17	
ZZZZZZ		1	10:19	
ZZZZZZ		1	10:21	
CCV		1	10:23	HG
CCB		1	10:25	HG
ZZZZZZ		5	10:27	
CCV		1	10:30	HG
CCB		1	10:32	HG

CETAC Hg Analysis Report

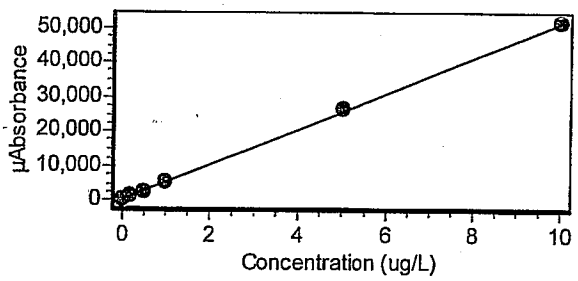
Analyst: MERCURY ANALYZER
Worksheet file: C:\Program Files\QuickTrace\Worksheets\HWK22A.wsz
Date Started: 11/22/2006 8:57:51 AM
Comment:

Results

Sample Name					Type	Date/Time	Conc (ug/L)	µAbs	%RSD	Flags	DF
Calibration Blank					STD	11/22/06 09:06:06 am	0.000	20	165.70		1.00
Replicates	-1.5	-3.8	17.9	69.2							
Standard #1 (0.2 ppb)					STD	11/22/06 09:08:12 am	0.200	1071	1.35		1.00
Replicates	1059.0	1091.6	1067.1	1064.5							
Standard #2 (0.5 ppb)					STD	11/22/06 09:10:19 am	0.500	2577	2.30		1.00
Replicates	2617.6	2631.5	2557.0	2502.6							
Standard #3 (1.0 ppb)					STD	11/22/06 09:12:26 am	1.000	5320	0.51		1.00
Replicates	5292.1	5320.8	5309.0	5356.2							
Standard #4 (5.0 ppb)					STD	11/22/06 09:14:33 am	5.000	26358	0.36		1.00
Replicates	26227.1	26385.3	26451.9	26368.8							
Standard #5 (10.0 ppb)					STD	11/22/06 09:16:41 am	10.000	51431	1.17		1.00
Replicates	50673.6	51242.5	51787.3	52022.1							

Calibration

Equation: A = 115.331 + 5154.813C
Correlation: 0.99986
SEE: 318.4557
Flags:



ICV					ICV	11/22/06 09:19:54 am	5.890	30478	0.23		1.00
Replicates	30381.7	30501.7	30548.4	30478.4							
% Recovery	98.17										
ICB					ICB	11/22/06 09:22:00 am	-0.039	-84	19.43		1.00
Replicates	-61.8	-100.6	-84.3	-89.4							
CRA					CRDL	11/22/06 09:24:05 am	0.181	1049	3.10		1.00
Replicates	1033.9	1097.5	1034.8	1029.0							
% Recovery	90.54										

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Quality Control Report

Blank Sample Summary Report

Total Cyanide

Samp Type	QC Batch	Anal. Method	Anal. Date	Prep. Date	Result	PQL
MBLANK	WG34097	SOW ILM04.0	12-NOV-06	10-NOV-06	U 10. ug/L	10 ug/L

340 County Road No. 5
P.O. Box 720, Westbrook, ME 04098
Tel:(207) 874-2400 Fax:(207) 775-4029

http://katahdinlab.com
sales@katahdinlab.com

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Quality Control Report

Laboratory Control Sample Summary Report

Total Cyanide

Lab Sample Id	Samp Type	QC Batch	Analysis Date	Prep Date	Units	Spike Amt.	Result	Recovery	Acceptance Range	RPD
WG34097-2	LCS	WG34097	12-NOV-06	10-NOV-06	ug/L	200	210	104	80-120	

340 County Road No. 5
P.O. Box 720, Westbrook, ME 04098
Tel:(207) 874-2400 Fax:(207) 775-4029

http://katahdinlab.com
sales@katahdinlab.com

KONELAB #1
KATAHDIN ANALYTICAL SERVICES

12.11.2006 09:27

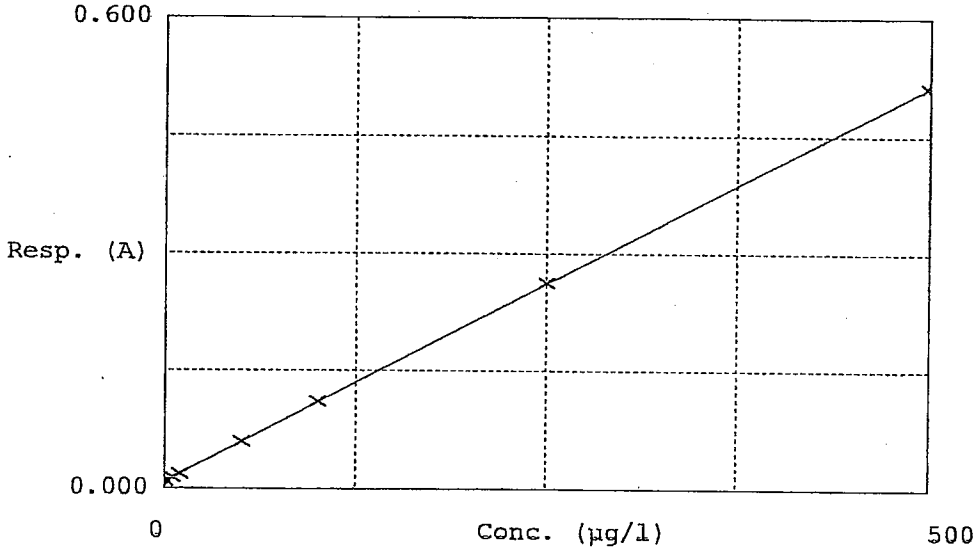
Test CYANIDE

Accepted 12.11.2006 09:27

Factor 992.8
Bias 0.009

Coeff. of det. 0.999980

Errors



	Calibrator	Response	Calc. con.	Conc.	Errors
1	CN-0	0.009	-0.3979562	0.0000000	
2	CN-500	0.014	4.6755614	5.0000000	
3	CN-500	0.019	9.1949568	10.0000000	
4	CN-500	0.060	50.1211357	50.0000000	
5	CN-500	0.111	100.9405365	100.0000000	
6	CN-500	0.263	251.2933044	250.0000000	
7	CN-500	0.512	499.1724854	500.0000000	

AquaKem v. 6.5 AQ1
Results from time period:
Sun Nov 12 09:05:18 2006
Sun Nov 12 19:00:04 2006

Sample Id	Test short name	Result	Result unit	Result date and time	Dil. Factor	Response	Blank init abs. (A)	Main abs. 1	
CN-0	CYANIDE	-0.3979562	µg/l	11/12/06 9:26:35	1	0.00902		0.00902	
CN-500	CYANIDE	4.6755614	µg/l	11/12/06 9:26:36	100	0.01413		0.01413	
CN-500	CYANIDE	9.1949568	µg/l	11/12/06 9:26:37	50	0.01869		0.01869	
CN-500	CYANIDE	50.1211357	µg/l	11/12/06 9:26:38	10	0.05991		0.05991	
CN-500	CYANIDE	100.9405365	µg/l	11/12/06 9:26:39	5	0.11109		0.11109	
CN-500	CYANIDE	251.2933044	µg/l	11/12/06 9:26:40	2	0.26253		0.26253	
CN-500	CYANIDE	499.1724854	µg/l	11/12/06 9:26:41	1	0.5122		0.5122	
CN-BLANK	CYANIDE	0.3138299	µg/l	11/12/06 9:46:30	1	0.00974		0.00974	
CN-CCV	CYANIDE	264.8091125	µg/l	11/12/06 9:46:31	1	0.27614		0.27614	-> 106 % R
CN-ICV	CYANIDE	200.9669952	µg/l	11/12/06 9:46:32	1	0.21184		0.21184	~~73 % R~~
WG34103-1	CYANIDE	1.0126266	µg/l	11/12/06 9:46:33	1	0.01044		0.01044	
WG34103-2	CYANIDE	208.3897705	µg/l	11/12/06 9:46:34	1	0.21932		0.21932	
DISTHP	CYANIDE	512.6471558	µg/l	11/12/06 9:46:35	1	0.52577		0.52577	
DISTLP	CYANIDE	8.5375986	µg/l	11/12/06 9:46:36	1	0.01802		0.01802	
WW5874-8	CYANIDE	-1.5812385	µg/l	11/12/06 9:46:37	1	0.00783		0.00783	
WG34097-3	CYANIDE	-2.7632484	µg/l	11/12/06 9:46:38	1	0.00664		0.00664	
WG34097-4	CYANIDE	112.6932449	µg/l	11/12/06 9:46:39	1	0.12293		0.12293	
WW5976-1	CYANIDE	6.551723	µg/l	11/12/06 9:53:13	1	0.01602		0.01602	
WW5976-2	CYANIDE	-1.1506931	µg/l	11/12/06 9:53:14	1	0.00827		0.00827	
CN-BLANK	CYANIDE	-0.2971179	µg/l	11/12/06 9:53:15	1	0.00912		0.00912	
CN-CCV	CYANIDE	266.695282	µg/l	11/12/06 9:53:16	1	0.27804		0.27804	106 % R
WW5955-1	CYANIDE	1.1424915	µg/l	11/12/06 9:53:17	1	0.01057		0.01057	
WW6011-1	CYANIDE	1.4959582	µg/l	11/12/06 9:53:18	1	0.01093		0.01093	
WW6011-2	CYANIDE	1.5562009	µg/l	11/12/06 9:53:19	1	0.01099		0.01099	
WW6011-3	CYANIDE	3.865097	µg/l	11/12/06 9:53:20	1	0.01332		0.01332	
WW6011-4	CYANIDE	1.5224993	µg/l	11/12/06 9:53:21	1	0.01096		0.01096	
WW6039-1	CYANIDE	0.7583116	µg/l	11/12/06 9:53:22	1	0.01019		0.01019	
WW6039-2	CYANIDE	3.3864405	µg/l	11/12/06 9:59:59	1	0.01283		0.01283	
WW6039-3	CYANIDE	2.9150035	µg/l	11/12/06 10:00:00	1	0.01236		0.01236	
WW6039-4	CYANIDE	3.7016785	µg/l	11/12/06 10:00:01	1	0.01315		0.01315	
WW5923-2	CYANIDE	24.475235	µg/l	11/12/06 10:00:02	1	0.03408		0.03408	
CN-BLANK	CYANIDE	-1.0570449	µg/l	11/12/06 10:00:03	1	0.00836		0.00836	
CN-CCV	CYANIDE	268.8668823	µg/l	11/12/06 10:00:04	1	0.28023		0.28023	108 % R
WG34103-3	CYANIDE	96.7392807	µg/l	11/12/06 10:00:05	1	0.10686		0.10686	
WW5880-1	CYANIDE	6.4872193	µg/l	11/12/06 10:00:06	1	0.01596		0.01596	

WW5981-1	CYANIDE	42.9128647	µg/l	11/12/06 10:00:07	1	0.05265		0.05265
WW5904-7	CYANIDE	0.386411	µg/l	11/12/06 10:00:08	1	0.00981		0.00981
WW5982-1	CYANIDE	0.9174693	µg/l	11/12/06 10:03:57	1	0.01035		0.01035
WW5982-2	CYANIDE	0.8070738	µg/l	11/12/06 10:03:58	1	0.01024		0.01024
WW5904-2	CYANIDE	1.4936208	µg/l	11/12/06 10:03:59	1	0.01093		0.01093
WW5904-3	CYANIDE	-0.0512948	µg/l	11/12/06 10:04:00	1	0.00937		0.00937
DISTHP	CYANIDE	523.2574463	µg/l	11/12/06 10:07:06	2	0.27294		0.27294
CN-BLANK	CYANIDE	0.5882061	µg/l	11/12/06 10:09:33	1	0.01002		0.01002
CN-CCV	CYANIDE	279.5960083	µg/l	11/12/06 10:09:34	1	0.29104		0.29104
CN-BLANK	CYANIDE	-1.2860615	µg/l	11/12/06 10:29:40	1	0.00813		0.00813
CN-CCV	CYANIDE	278.6176758	µg/l	11/12/06 10:29:41	1	0.29005		0.29005
WW5953-2	CYANIDE	4.3643179	µg/l	11/12/06 10:29:42	1	0.01382		0.01382
WW5981-1	CYANIDE	44.1222305	µg/l	11/12/06 10:29:43	1	0.05386		0.05386
CN-BLANK	CYANIDE	-1.1666415	µg/l	11/12/06 10:32:50	1	0.00825		0.00825
CN-CCV	CYANIDE	281.9251099	µg/l	11/12/06 10:32:51	1	0.29338		0.29338
CN-BLANK	CYANIDE	-2.2203548	µg/l	11/12/06 11:00:16	1	0.00719		0.00719
CN-CCV	CYANIDE	282.5212097	µg/l	11/12/06 11:00:17	1	0.29398		0.29398
WW5923-2	CYANIDE	3.4526896	µg/l	11/12/06 11:00:18	1	0.0129		0.0129
CN-BLANK	CYANIDE	-0.6209959	µg/l	11/12/06 11:02:45	1	0.0088		0.0088
CN-CCV	CYANIDE	279.7698975	µg/l	11/12/06 11:02:46	1	0.29121		0.29121

KATAHDIN ANALYTICAL SERVICES

CYANIDE MIDI DISTILLATION: CLP-335.2M 4500-CN C 335.4 9012A

PQL = 10 ug/L (AQ) & 1.0 mg/kg (SL)

Standard	True Value ug/L	Source Standard ID	Source Standard Spike Amount mL	
Cal High Point	500	W6196	0.50	MgCl2 SOLUTION: SWL2212
Cal Low Point	10	W6196	0.01	SULFAMIC ACID: SWL2170
LCS	200	W5913	0.20	NaOH-0.25N: SW2093
Matrix Spike	100	W5913	0.10	H2SO4: CZ0250

Notes:

KAS Sample ID	Res. Cl Check	Res. S2 Check	Initial pH	Distillation Start Time	Distillation End Time	Sample Volume (mL)	Sample Weight (g)	Distillate Volume	Comments
Blank	NA	NA	NA	0945	1145	50 mL	N/A		
LCS	NA	NA	NA			50mL	N/A		
High	NA	NA	NA			50mL	N/A		
Low	NA	NA	NA			50mL	N/A		
WW5874.8E	✓	✓	✓			N/A	AW ~~50mL~~ 1.011		
WW5874.8E DUP						N/A	AW ~~50mL~~ 1.085		
WW5874.8E MS						N/A	AW ~~50mL~~ 1.098		
WW5976.1A						50mL	N/A		
WW5976.2F						N/A	1.048		
WW5955.1B				0945	1145	50mL	N/A		
WW6011-1D				1215	1415				
WW6011.2D									
WW6011.3D									
WW6011.4D									PH was 10
WW6039.1D									
WW6039.2D									
WW6039.3D									
WW6039.4D				1215	1415	50mL	N/A		

DISTILLED BY: AW

DISTILLATION DATE: NOVEMBER 10, 2006

REVIEWED BY: [signature]

REVIEW DATE: 11/17/06

SRV: MPT-GW-MW065-110706
[As] = 7.3 mg/L

SDev	.00142	.00068	.00363
%RSD	56.562	160.94	398.79
#1	-.00351	.00006	.00348
#2	-.00150	-.00091	-.00166

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	360.063	--	--	--	--	--	--
Avge	34568	--	--	--	--	--	--
SDev	69.29646	--	--	--	--	--	--
%RSD	.2004642	--	--	--	--	--	--
#1	34617	--	--	--	--	--	--
#2	34519	--	--	--	--	--	--

Method: NONAK Sample Name: WW6039-001 Operator:
Run Time: 11/27/06 20:17:15
Comment:
Mode: CONC Corr. Factor: 1 7.3 mg/L

Elem	Al	As	Ba	Be	B	Cd	Ca
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.05134	.00734	.00890	.00027	.05937	-.00019	130.20
SDev	.00010	.00026	.00010	.00009	.00038	.00036	.22
%RSD	.18804	3.4687	1.0723	32.218	.64695	188.52	.16917
#1	.05141	.00716	.00897	.00021	.05965	-.00045	130.35
#2	.05128	.00752	.00883	.00033	.05910	.00006	130.04

Elem	Cr	Co	Cu	Fe	Mg	Mn	Mo
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00188	.00160	-.00287	1.7427	18.569	.48120	.00209
SDev	.00035	.00041	.00006	.0100	.045	.00110	.00064
%RSD	18.381	25.555	2.0803	.57207	.23981	.22815	30.644
#1	.00164	.00131	-.00291	1.7356	18.600	.48198	.00164
#2	.00213	.00189	-.00283	1.7497	18.537	.48042	.00255

Elem	Ni	Ag	Sr	Tl	Sn	Ti	V
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00247	.00133	1.1177	-.00173	.00374	-.00105	.00059
SDev	.00047	.00147	.0028	.00050	.00039	.00128	.00020
%RSD	18.979	110.35	.25308	28.761	10.422	122.47	33.634
#1	.00280	.00029	1.1197	-.00208	.00401	-.00014	.00045
#2	.00214	.00237	1.1157	-.00138	.00346	-.00195	.00073

Elem	Zn	Pb	Se	Sb	2068/1	2068/2	2203/1
Units	mg/L	mg/L	mg/L	mg/L			
Avge	.00380	-.00057	-.00328	-.00062	-.00908	.00360	.00601
SDev	.00001	.00228	.00437	.00267	.00370	.00585	.00084
%RSD	.18585	399.32	133.37	428.46	40.763	162.35	13.933
#1	.00380	-.00218	-.00019	.00126	-.01170	.00774	.00542
#2	.00379	.00104	-.00637	-.00251	-.00646	-.00053	.00660

Result Report AquaKem 6.5 Page: 1

KONELAB #1
KATAHDIN ANALYTICAL SERVICES

Date : 2006-11-12
Time : 11.49

SRV: MPT08-GW-MW215-110606
= ww6011-3
[CN] = 3.9 ug/L

Test CYANIDE
Unit µg/l

Sample ID:	Date and Time	Result	
CN-BLANK	2006-11-12 09.46	0.313830	
CN-CCV	2006-11-12 09.46	3e+002	
CN-ICV	2006-11-12 09.46	2e+002	
DISTBLK	2006-11-12 09.46	1.012627	
DISTLCS	2006-11-12 09.46	2e+002	WG-34097 > E335.2
DISTHP	-		
DISTLP	2006-11-12 09.46	8.537599	R57378
WW5874-8 E335.2	2006-11-12 09.46	-2	
WW5874-8DUP	2006-11-12 09.46	-3	WG-34103 > E335.3M
WW5874-8MS	2006-11-12 09.46	1e+002	R5734
WW5976-1	2006-11-12 09.53	6.551723	
WW5976-2	2006-11-12 09.53	-1	
CN-BLANK	2006-11-12 09.53	-0.3	WG-34104 > E335.4
CN-CCV	2006-11-12 09.53	3e+002	R57380
WW5955-1 E335.3M	2006-11-12 09.53	1.142491	
WW6011-1 E335.2	2006-11-12 09.53	1.495958	
WW6011-2	2006-11-12 09.53	1.556201	WG-34105 > SW9012
WW6011-3	2006-11-12 09.53	3.865097	R57384
WW6011-4	2006-11-12 09.53	1.522499	
WW6039-1	2006-11-12 09.53	0.758312	
WW6039-2	2006-11-12 09.59	3.386441	
WW6039-3	2006-11-12 10.00	2.915004	
WW6039-4	2006-11-12 10.00	3.701679	
WW5923-2 E335.3M	-		
CN-BLANK	2006-11-12 10.00	-1	
CN-CCV	2006-11-12 10.00	3e+002	
WW5923-2MS E335.3M	2006-11-12 10.00	1e+002	
WW5880-1 E335.4	2006-11-12 10.00	6.487219	
WW5981-1 Rerun	-		
WW5904-7 SW9012	2006-11-12 10.00	0.386411	
WW5982-1 E335.4	2006-11-12 10.03	0.917469	
WW5982-2	2006-11-12 10.03	0.807074	
WW5904-2 SW9012	2006-11-12 10.03	1.493621	
WW5904-3	2006-11-12 10.04	-0.05	
DISTHP	2006-11-12 10.07	5e+002	
CN-BLANK	2006-11-12 10.09	0.588206	
CN-CCV	2006-11-12 10.09	3e+002	
CN-BLANK	2006-11-12 10.29	-1	
CN-CCV	2006-11-12 10.29	3e+002	
WW5923-2 335.3M	-		
WW5981-1 Rerun	2006-11-12 10.29	4e+001	
CN-BLANK	2006-11-12 10.32	-1	
CN-CCV	2006-11-12 10.32	3e+002	
CN-BLANK	2006-11-12 11.00	-2	
CN-CCV	2006-11-12 11.00	3e+002	
WW5923-2 335.3M	2006-11-12 11.00	3.452690	
CN-BLANK	2006-11-12 11.02	-0.6	
CN-CCV	2006-11-12 11.02	3e+002	

CASE NARRATIVE
General Chemistry Fraction
SDG: CT033-6
STL Lab Reference No.: 680-21769 / 21822
Project: Katahdin Analytical

SEVERN TRENT STL

I. RECEIPT

The samples were received in good condition with cooler temperatures within acceptance criteria. No exceptions were encountered.

II. HOLDING TIMES

A. Sample Preparation: All holding times were met.

B. Sample Analysis: All holding times were met.

III. METHOD

Preparation: Sulfide preparations were done utilizing SW846 method 9030.
Cleanup: N/A
Analysis: Sulfide determinations were generated EPA method 376.2.

IV. PREPARATION

Sample preparation proceeded normally.

V. ANALYSIS

A. Calibration: All acceptance criteria were met.

B. Blanks: All acceptance criteria were met.

C. Spikes: All other acceptance criteria were met.

D. Samples: All other acceptance criteria were met.

E. Other: No exceptions were encountered during the analysis of the samples contained within this SDG.

SAMPLE SUMMARY

Client: Katahdin Analytical Services

Job Number: 680-21769-1
Sdg Number: CT033-6

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-21769-1	MPT10-GW-MW015-110606	Water	11/06/2006 1050	11/08/2006 0905
680-21769-2	MPT08-GW-MW225-110606	Water	11/06/2006 1245	11/08/2006 0905
680-21769-3	MPT08-GW-MW215-110606	Water	11/06/2006 1425	11/08/2006 0905
680-21769-4	MPT09-GW-MW065-110606	Water	11/06/2006 1533	11/08/2006 0905
680-21822-1RB	MPT09-GW-RB01-110706	Water	11/07/2006 1300	11/09/2006 0940
680-21822-2	MPT09-GW-MW065-110706	Water	11/07/2006 0955	11/09/2006 0940
680-21822-3	MPT09-GW-MW045-110706	Water	11/07/2006 1110	11/09/2006 0940
680-21822-4	MPT09-GW-MW055-110706	Water	11/07/2006 1207	11/09/2006 0940

3-IN

PREPARATION BLANKS

Lab Name: STL Savannah Job No.: 680-21769-1

SDG No.: CT033-6

Concentration Units: mg/L Lab Sample ID: MB 680-59617/12

Instrument Code: NOEQUIP Batch No.: 59617

CAS No.	Analyte	Concentration	C	Q	Method
18496-25-8	Sulfide	0.050	U		376.2

5A-IN

MATRIX SPIKE SAMPLE RECOVERY

Client ID: MPT09-GW-MW065-110606

Lab Name: STL Savannah Job No.: 680-21769-1

SDG No.: CT033-6

Matrix: Water % Solids:

Concentration Units: mg/L

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Sulfide	0.505		0.0	U	0.491	103	80-120		376.2

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VA - IN

5D-IN

MATRIX SPIKE DUPLICATE SAMPLE RECOVERY

Client ID: MPT09-GW-MW065-110606

Lab Name: STL Savannah Job No.: 680-21769-1

SDG No.: CT033-6

Matrix: Water % Solids:

Concentration Units: mg/L

Analyte	(SDR)	C	Spiked Added	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Sulfide	0.520		0.491	106	80-120	3	25		376.2

SDR = Spike Duplicate Results

Calculations are performed before rounding to avoid round-off errors in calculated results.

6-IN

DUPLICATES

Client ID: MPT10-GW-MW015-110606

Lab Name: STL Savannah Job No.: 680-21769-1

SDG No.: CT033-6

% Solids for Sample: % Solids for Duplicate:

Matrix: Water Concentration Units: mg/L

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Sulfide	0.10	0.0	U	0.0	U	NC		376.2

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VI-IN

7A - IN

LABORATORY CONTROL SAMPLE

Lab ID: LCS 680-59617/13

Lab Name: STL Savannah Job No.: 680-21769-1

Sample Matrix: Water LCS Source: H2S INTSTK_00107

Analyte	Water (mg/L)							
	True	Found	C	%R	Limits		Q	Method
Sulfide	0.493	0.516		105	80	120		376.2

Calculations are performed before rounding to avoid round-off errors in calculated results.

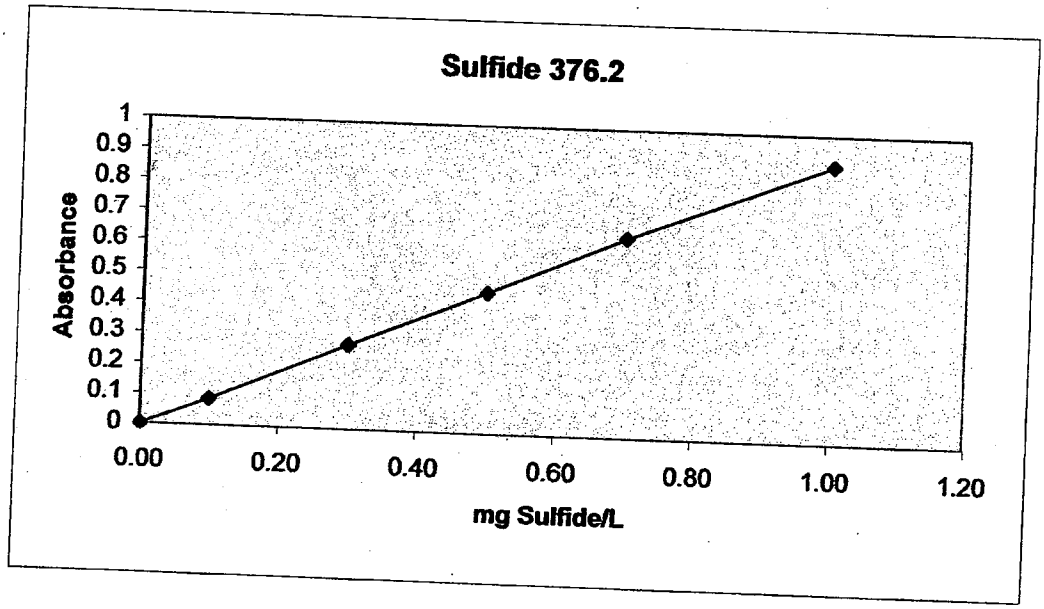
SULFIDE - COLORIMETRIC
METHOD 376.2/SM4500S2-D/HACH 8131

INITIAL CALIBRATION

mg S/L	Curve ID	Absorbance
1.00	GE00-4-5	0.902
0.70	GE00-4-6	0.648
0.50	GE00-4-7	0.458
0.30	GE00-5-1	0.274
0.10	GE00-5-2	0.085
0	-	0

Date	10.06.06
Analyst	JV
Start time:	1100
End time:	1135
CC:	0.9998

JV 10/9/06



Analyst Signature: [signature]

Review Approval: D McDonald
Date: 100906

SRV: 680-21822-3 = MPT09-GW-MW045-110706 [S^{-2}] = 0.163 mg/L

SULFIDE - COLORIMETRIC
METHOD 376.2/SM4500S2-D/HACH 8131
SPEC #1

Date:	11.09.06	Analyst:	JV	ICAL Date:	10.06.06
CCV Source:	GE00-12-3	Start time	1000	MS Source:	GE00-12-4
CCV TV =	0.50 ppm	End time	400	MS TV =	0.50 ppm
CAS #	18496-25-8	Type	T		

SL LOG #	SAMPLE ID	Batch ID	D.F.	ABS.	mg S/L	BLK P/F	% RPD	P/F	% REC	P/F	MS/ MSD	P/F
CCV-1	LCSW-1	1109A	1.00	0.470	0.516				103	P		
CCB-1	PBW-1	1109A	1.00	0.000	<0.10							
680-21769A1	GW-MW015	1109A	1.00	0.020	<0.10							
DUP	GW-MW015	1109A	1.00	0.018	<0.10		0	P				
680-21769A2	GW-MW 225	1109A	1.00	0.028	<0.10							
680-21769A3	GW-MW215	1109A	1.00	0.024	<0.10							
680-21769A4	GW-MW065	1109A	1.00	0.019	<0.10							
MS	GW-MW065	1109A	1.00	0.460	0.505						101	P
MSD	GW-MW065	1109A	1.00	0.473	0.520						104	P
680-21822A1	GW-RB01	1109A	1.00	0.000	<0.10							
680-21822A2	GW-MW065	1109A	1.00	0.020	<0.10							
680-21822A3	GW-MW045	1109A	1.00	0.148	0.163							
CCV-2		1109A	1.00	0.464	0.510				102	P		
CCB-2		1109A	1.00	0.000	<0.10							
680-21822A4	GW-MW055	1109A	1.00	0.043	<0.10							
CCV-3		1109A	1.00	0.475	0.522				104	P		
CCB-3		1109A	1.00	0.000	<0.10							
CCV									#####	###		
CCB												

Analyst Signature: 59617

Review Approval: Date: 11.10.06

Kraus, Matthew -- NUS

From: Page, Abbie [APage@stl-inc.com]
Sent: Wednesday, January 03, 2007 9:32 AM
To: Kraus, Matthew -- NUS
Subject: RE: STL Lab Reference No.: 680-21769 / 21822
Importance: High

Hi Matt,

I do apologize for the delay - we expect to have the data package corrected today, with revised Form 1s.

Sample id MPT09-GW-**MW045**-110706 is the sample with the hit of 0.16 mg/L, not MPT09-GW-**MW055**-110706 as originally reported with the Form 1s. This has been verified and we are in the process of correcting now.

I appreciate your patience and will resubmit today.

Please let me know if you have any questions.
Thank you,
Abbie

Abbie Gayle Page
Project Manager
STL Savannah
5102 LaRoche Avenue
Savannah, GA 31404
ph: *(912) 354-7858* / fax: *(912) 352-0165*
Leaders in Environmental Testing

-----Original Message-----
From: Beauchamp, Betsy
Sent: Friday, December 22, 2006 2:11 PM
To: 'Kraus, Matthew -- NUS'
Cc: Hornsby, Terry; Page, Abbie
Subject: RE: STL Lab Reference No.: 680-21769 / 21822

It appears from reviewing login and the COC that the raw data sheets were inputed with an incorrect sample dash number relative to your IDs. However, I would like to confirm that is the case. I have asked that any remaining sample be pulled and data re-verified with reanalysis. The sulfide should still be present at a detectable level to confirm even if it is below initial results. I will let you know as soon as I confirm additional sample is available and analysis has been re-verified.

Sorry for any inconvenience. Have a Happy Holiday.

Betsy

-----Original Message-----
From: Kraus, Matthew -- NUS [mailto:Matthew.Kraus@ttnus.com]
Sent: Friday, December 22, 2006 1:05 PM

To: Beauchamp, Betsy
Subject: RE: STL Lab Reference No.: 680-21769 / 21822

Sure. The job number is in the subject heading of this email and the SDG is CTO33-6.

From: Beauchamp, Betsy [mailto:BBeauchamp@stl-inc.com]
Sent: Friday, December 22, 2006 1:01 PM
To: Kraus, Matthew -- NUS
Subject: RE: STL Lab Reference No.: 680-21769 / 21822

Can you provide me with the job number or SDG

-----Original Message-----
From: Kraus, Matthew -- NUS [mailto:Matthew.Kraus@ttnus.com]
Sent: Friday, December 22, 2006 12:46 PM
To: Beauchamp, Betsy
Subject: STL Lab Reference No.: 680-21769 / 21822

Hi Betsy,

Your lab did a sulfide analysis for Katahdin and I am validating the data here at Tetra Tech. The Sample Summary (job ref. in title) lab/client sample IDs do not match the SL Log# / Sample IDs on the Sulfide raw data (p.1 of the Raw Data). It looks like the sample ID were written incorrectly on the Sulfide Raw Data sheet. Could you verify this for me?

Thanks Betsy.

If you have any questions or my concern is unclear please contact me at the number below.

Matthew D. Kraus

Chemist / Environmental Scientist

TETRA TECH NUS, Inc.

Foster Plaza 7

661 Andersen Drive

Pittsburgh, PA 15220

Telephone: (412) 921-8729

FAX: (412) 921-4040

matthew.kraus@ttnus.com

http://www.ttnus.com

http://www.tetratech.com

NOTICE OF CONFIDENTIALITY

Kraus, Matthew -- NUS

From: Ballard, Shina -- NUS
Sent: Friday, December 22, 2006 2:11 PM
To: Kraus, Matthew -- NUS
Subject: RE: NS Mayport SDG: CTO33-6?

Matthew,
I apologize with the delay in response to your e-mail, but things have been crazy around here for the last few days.

Katahdin is correct that they spoke with us concerning the incorrect sample ID being on the COC. However, the correct sample ID should be **MPT09-GW-MW09S-110706.**

Andrea Colby of Katahdin and I discussed this change over the phone. However, I will forward you the e-mail (separately) that I sent to Joe Samchuck and Lee Leck on 11/21/06 supporting this sample ID change...In the e-mail I sent them on 11/21/06, I wasn't 100% sure of the sample ID. However, we were able to verify the sample ID during field activities during the week of 11/27.

After you receive the follow-up e-mail I sent to Joe and Lee, please let me know if you have any additional questions.

Thanks,
Shina

From: Kraus, Matthew -- NUS
Sent: Thursday, December 21, 2006 3:40 PM
To: Ballard, Shina -- NUS
Subject: NS Mayport SDG: CTO33-6?

Ms. Ballard,

I am validating the metals and miscellaneous data for the NS MAYPORT SDG: CTO33-6. Katahdin Analytical Services claim that a sample ID was incorrectly written on one chain-of-custody (COC) that they received; however, they provided no support documentation such as an email from you to back their claim. Would you please verify that the sample ID: MPT09-GW-MW06**7**-110706 is incorrectly written on COC #2374 and should in fact be MPT09-GW-MW06**S**-110706?

Thank you for your time.

Matthew D. Kraus
Chemist / Environmental Scientist
TETRA TECH NUS, Inc.
Foster Plaza 7
661 Andersen Drive
Pittsburgh, PA 15220
Telephone: (412) 921-8729
FAX: (412) 921-4040
matthew.kraus@ttnus.com
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http://www.tetratech.com

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