SURFACE WATER AND SEDIMENT SAMPLING REPORT
LOCKHEED MARTIN MIDDLE RIVER COMPLEX

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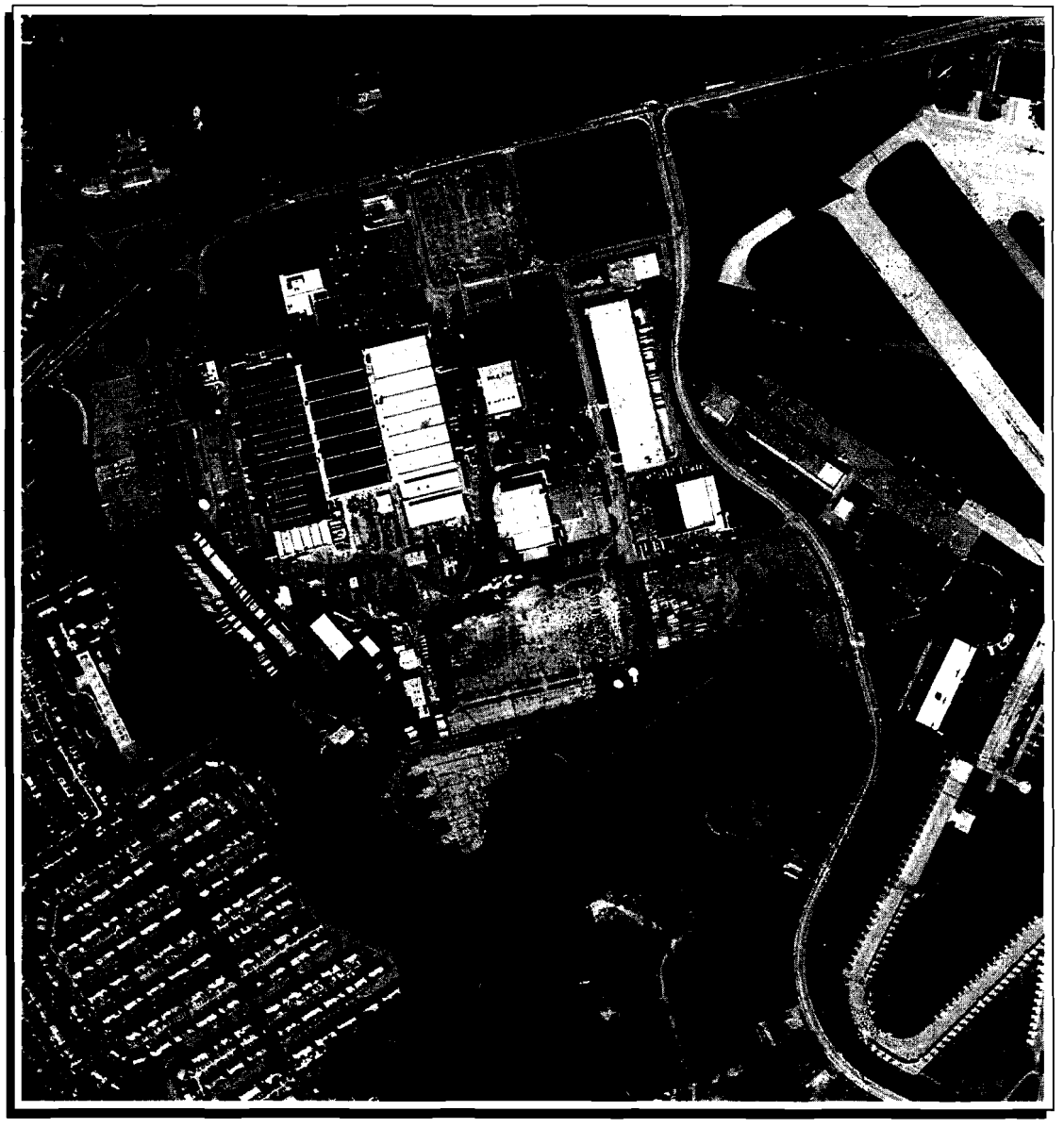
Middle River, Maryland



LOCKHEED MARTIN

Tetra Tech
Environmental Engineers & Scientists

April 2006

Surface Water and Sediment Sampling Report
Lockheed Martin Middle River Complex
2323 Eastern Boulevard
Middle River, Maryland

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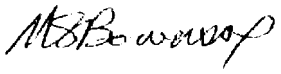

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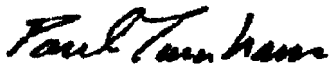

Paul Turnham
Human Health Risk Specialist

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Executive Summary

On behalf of Lockheed Martin Corporation (LMC), Tetra Tech, Inc. has prepared a Surface Water and Sediment Sampling Report documenting the investigation of the waterways adjacent to the LMC Middle River Complex (MRC), located at 2323 Eastern Boulevard in Middle River, Maryland. Eight individual tax blocks at the MRC have been submitted into the Maryland Department of the Environment's (MDE) Voluntary Cleanup Program (VCP). The surface water bodies surrounding the MRC (e.g. Cow Pen Creek and Dark Head Cove) are considered waters of the State of Maryland and as such are not considered to be part of the VCP process. However, in order to evaluate the environmental condition of the surface water and sediment bodies adjacent to MRC, LMC has conducted this baseline characterization. The objectives of the surface water and sediment sampling program were as follows:

- To obtain analytical data to quantify the presence or absence of chemicals in the surface water bodies surrounding the waterfront area of the LMC MRC based on two characterization studies conducted in March and October 2005.

- To conduct human health and ecological risk assessments to determine if any detected chemicals are present at concentrations of potential concern to site receptors.

The MRC is an industrial facility within the broader Chesapeake Industrial Park and the area surrounding the property primarily consists of commercial, industrial, and residential establishments. Six other facilities, comprising the remaining portion of the Chesapeake Industrial Park, lie adjacent to the LMC MRC. These facilities include Tilley Chemical Company, Inc., a food and pharmaceutical chemical distributor for personal care and industries; North American Rigging, L.L.C., a broker firm specializing in the moving and installation of machinery and heavy equipment; Johnson and Towers, a heavy duty automotive/boat repair and maintenance company; Poly-Seal Corp., a company that produces flexible packaging for miscellaneous items; Exxon, a gasoline fill station and convenience store, and the Middle River Post Office. Residential developments are located on the opposite shores of Cow Pen Creek, Dark Head Cove, and Dark Head Creek, as well as north of Eastern Boulevard (Route 150).

To determine the environmental condition of the surface water bodies adjacent to the Chesapeake Industrial Park, surface water and sediment sampling was conducted in two separate phases (March 2005 and October 2005). During the March 2005 investigation, 7 surface water and 12 sediment samples (surface sediments) were collected in Cow Pen Creek and Dark Head Cove. Locations were generally selected to coincide with storm water outfalls along the bulkhead bordering MRC as well as to generate area wide background data. The investigation was expanded in October 2005 with the collection of 10 additional surface water and 50 additional sediment samples in the area. The October sampling event included both areas previously sampled for confirmation and vertical distribution of detected chemicals as well as additional lateral sampling of Dark Head Cove. Surface water and sediment samples were analyzed for a wide range of chemicals, consistent with the project objectives to provide a baseline characterization of the study area.

The data generated during the investigation was used to conduct human health and ecological risk assessments. The purpose of the risk assessments was to evaluate the likelihood that individuals or ecological receptors potentially exposed to the chemical concentrations in the sediments and surface water adjacent to Chesapeake Industrial Park could experience adverse health effects. The objective of the risk assessments was to provide sufficient information to allow for identification of areas with the potential for unacceptable risks to potentially exposed receptors and as a tool to support further actions.

The human health risk assessment (HHRA) determined that non-cancer risks are acceptable for both surface water and sediment because the calculated Hazard Index is less than 1.0. Potential carcinogenic risks for surface water are less than the MDE's upper end threshold level of 1×10^{-5}. Potential carcinogenic risks for sediment are within the EPA's acceptable risk range of 1×10^{-4} to 1×10^{-6}, but exceed the MDE's upper end threshold level of 1×10^{-5}. Therefore, additional consideration of the contributing carcinogenic COPCs in sediment may be necessary. The primary contributors in sediment include arsenic, polynuclear aromatic hydrocarbons (PAHs), and polychlorinated biphenyl's (PCBs). It is important to note that there is considerable uncertainty associated with the exposures assumed in the HHRA. The sediments at the site are for the most part underwater, in many cases the water is 8 feet or more in depth, which will reduce or even eliminate the levels of exposure to a recreational user via dermal contact and ingestion. The risk

estimates are believed to be conservative in that they tend to overestimate any actual risks, in this case perhaps by a large margin. In addition, arsenic is a naturally occurring metal which is present in soils and sediments in Maryland. The concentrations of arsenic in sediment may be reflective of naturally occurring background and the contribution of arsenic to risk may be overstated.

The ecological risk assessment (ERA) determined that the receptors potentially at risk are: lower trophic level organisms consisting of water-column communities as well as the benthic invertebrates; and upper trophic level organisms represented by the great blue heron through the food-web exposure model. One surface water COPC (cadmium) and five sediment COPCs (barium, silver, benzo(a)pyrene, benzo(g,h,I,)perylene, and indeno(1,2,3-cd)pyrene) are considered the primary contributors to potential ecological exposure. Mercury in the diet of the great blue heron was also identified as an ecological concern through food chain modeling based on sediment concentrations of mercury.

Section 1
Introduction

On behalf of Lockheed Martin Corporation (LMC), Tetra Tech, Inc. has prepared the following Surface Water and Sediment Sampling Report documenting the investigation of the waterways adjacent to the LMC Middle River Complex (MRC), located at 2323 Eastern Boulevard in Middle River, Maryland. The objectives of the surface water and sediment sampling events were as follows:

- To obtain analytical data to quantify the presence or absence of chemicals in the surface water bodies surrounding the waterfront area of the LMC MRC based on two characterization studies conducted in March and October 2005.
- To conduct human health and ecological risk assessments to determine if any detected chemicals are present at concentrations of potential concern to site receptors.

The remainder of this report is organized as follows:

- Section 2 – Site Background – Presents a brief description of the site, site conditions, and previous investigations.
- Section 3 – Investigation Approach and Field Methodology – Presents a description of the field methodologies employed.
- Section 4 – Human Health Risk – Evaluates the potential for adverse effects on human receptors.
- Section 5 – Ecological Risk – Evaluates the potential for adverse effects on floral and faunal receptors.
- Section 6 – Summary and Conclusions – the overall summary and conclusions of the investigation.
- Section 7 – References - Cites references used to compile this report.

Field sample data sheets including chain-of-custody forms and Sample Log Sheets are included in Appendix A. Analytical data summary tables are included as Appendix B. Appendix C contains complete Data Validation Memorandum.

Section 2
Site Background

2.1 SITE DESCRIPTION

The LMC MRC is located at 2323 Eastern Boulevard in Middle River, Maryland. A facility location map is provided as Figure 2-1. The site consists of approximately 180 acres of land and 12 main buildings. The property includes an active industrial area and yard, perimeter parking lots, an athletic field, a concrete-covered vacant lot, a trailer and parts storage lot, and numerous grassy areas along the facility's perimeter. Locked chain-link fences surround all exterior lots and the main industrial area. The site is bounded by Eastern Boulevard (Route 150) to the north, Dark Head Cove to the south, Cow Pen Creek to the west, and Martin State Airport to the east. A facility layout map is provided as Figure 2-2.

Currently, LMC activities at the site are limited to facility and building management and maintenance. There are two main tenants at the site, Middle River Aircraft Systems (MRAS) and Maritime Systems & Sensors (MS2) – Marine Systems. MRAS conducts design, manufacturing, fabrication, testing, overhaul, and repair and maintenance of aeronautical structures, parts, and components for military and commercial applications. MS2 – Marine Systems conducts fabrication, assembly, testing, and support of vertical launch systems. Historically, the property has been used for aircraft and missile launching systems design, development, and sales.

2.1.1 Physical Setting

2.1.1.1 Land Use

The MRC is an industrial facility within the broader Chesapeake Industrial Park and the area surrounding the property primarily consists of commercial, industrial, and residential establishments. Six other facilities, comprising the remaining portion of the Chesapeake Industrial Park, lie adjacent to the LMC MRC. These facilities include Tilley Chemical Company, Inc., a food and pharmaceutical chemical distributor for personal care and industries; North American Electric, L.L.C., a broker firm specializing in the moving and installation of machinery and heavy equipment; Johnson and Towers, a heavy duty automotive/boat repair and maintenance company; Poly-Seal Corp., a company that produces flexible packaging for miscellaneous items; Exxon, a gasoline fill station and convenience store, and the Middle River Post Office. Residential developments are located on the opposite shores of Cow Pen Creek, Dark Head Cove, and Dark Head Creek, as well as north of Eastern Boulevard (Route 150).

2.1.1.2 Physiography

The site is located within the Western Shore of the Coastal Plain Physiographic Province. The Coastal Plain topography is generally characterized by low relief. The topography of the MRC is gently sloping, ranging from sea level to approximately 32 feet above mean sea level (Cassell, July 1977). The topography slopes from Eastern Boulevard to the southwest and south towards Cow Pen Creek and Dark Head Cove.

2.1.1.3 Hydrology

The LMC MRC lies at the junction of Cow Pen Creek and Dark Head Cove. Both are tidal surface water bodies that feed into Dark Head Creek, a tributary to Middle River, which is a tributary to Chesapeake Bay. The facility lies approximately 3.2 miles upstream of Chesapeake Bay.

No surface water bodies lie within or cross the LMC MRC. Excluding areas immediately adjacent to Cow Pen Creek and Dark Head Creek, surface water runoff discharges from the facility via storm drains, soil infiltration, and evaporation. A total of 12 stormwater drain systems discharging to Cow Pen Creek and Dark Head Cove have been mapped at the facility (Cassell, July 1977) and are shown on Figure 2-2. Stormwater runoff from the Chesapeake Industrial Park and a portion of the Martin State Airport located across Wilson Point Road is collected through a stormwater conveyance system and discharged to Cow Pen Creek and Dark Head Cove.

LMC MRC maintains a State of Maryland National Pollution Discharge Elimination System (NPDES) Permit (State Discharge Permit No.: 00-DP-0298, NPDES No.: MD0002852) issued by Maryland Department of the Environment (MDE) Industrial Discharge Permits Division, Water Management Administration (Earth Tech, February 2003). MRAS generates sanitary wastewater and process wastewater and is categorized as an Industrial User. The facility pretreats and discharges its wastewater under the Industrial User Discharge Permit (Permit No.: WWDP#1390), issued to MRAS by the Baltimore County Department of Public Works Bureau of Utilities (Earth Tech, February 2003). According to the permit, the facility is authorized to discharge its processed and sanitary wastewater from seven permitted discharge points (i.e., outfalls).

2.1.2 Subsurface Conditions

2.1.2.1 Soils

Soils underlying the LMC MRC have been mapped as Mattapex-Urban Land Complex and Sassafras-Urban Land Complex by the United States Department of Agriculture (USDA) Soil Conservation Service. Mattapex-Urban Land soils consist of deep, well-drained silty soils whose original texture has been disturbed, graded over, or otherwise altered prior to construction. Sassafras-Urban Land soils consist of deep, well-drained sandy soils whose original texture has been disturbed, graded over, or otherwise altered prior to construction (USDA, September 1993). Site assessment activities conducted at MRC, however, indicate a high percentage of the soils containing a very high clay and silt content and surface drainage is poor.

2.1.2.2 Geology

Based on geologic mapping of Baltimore County, the LMC MRC is underlain by the Potomac Group, a Cretaceous age interbedded gravel, sand, silt, and clay unit ranging in thickness from 0 to 800 feet. The Potomac Group is composed of three units: the Raritan and Patapsco Formations, the Arundel Clay, and the Patuxent Formation. The Raritan and Patapsco Formations range up to 400 feet thick and are composed of a gray, brown, and red variegated silt and clay unit with lenticular lenses of sand and few gravels. The Arundel Clay is composed of dark gray and maroon lignitic clays and ranges in thickness from 25 to 200 feet. The Patuxent Formation is described as a white or light gray to orange brown, moderately sorted sand unit with quartz gravels, silts, and clays and ranges up to 250 feet in thickness (Reinhardt, 1977).

The Geologic Map of the Middle River Quadrangle (Reinhardt, 1977) Maps the entire survey area as either the clay or sand facies of the Patapsco Formation. The sands are more concentrated on the peninsulas east of Martin State Airport and areas north of Eastern Boulevard; whereas, all of the peninsulas (with the exception of the Wilson Point Road area) to the west of the airport are mapped as belonging to the clay facies. The Arundel Clay has been mapped as outcropping northwest of the MRC facility (Reinhardt, 1977).

Lithologic logging of the soils beneath the MRC conducted during extensive site characterization activities identified a very heterogeneous substrate. The underlying soils are composed primarily of silty sands, fine-grained to medium-grained sands, silty clays, clayey silts, and plastic clay, with the primarily lithology being clay to silty clay. Sand lenses of various concentrations were encountered but do not appear to be continuous beneath the facility. Shallow groundwater tends to flow in the more sandy lenses towards the surface water bodies and the water table is generally a subdued representation of the surface topography.

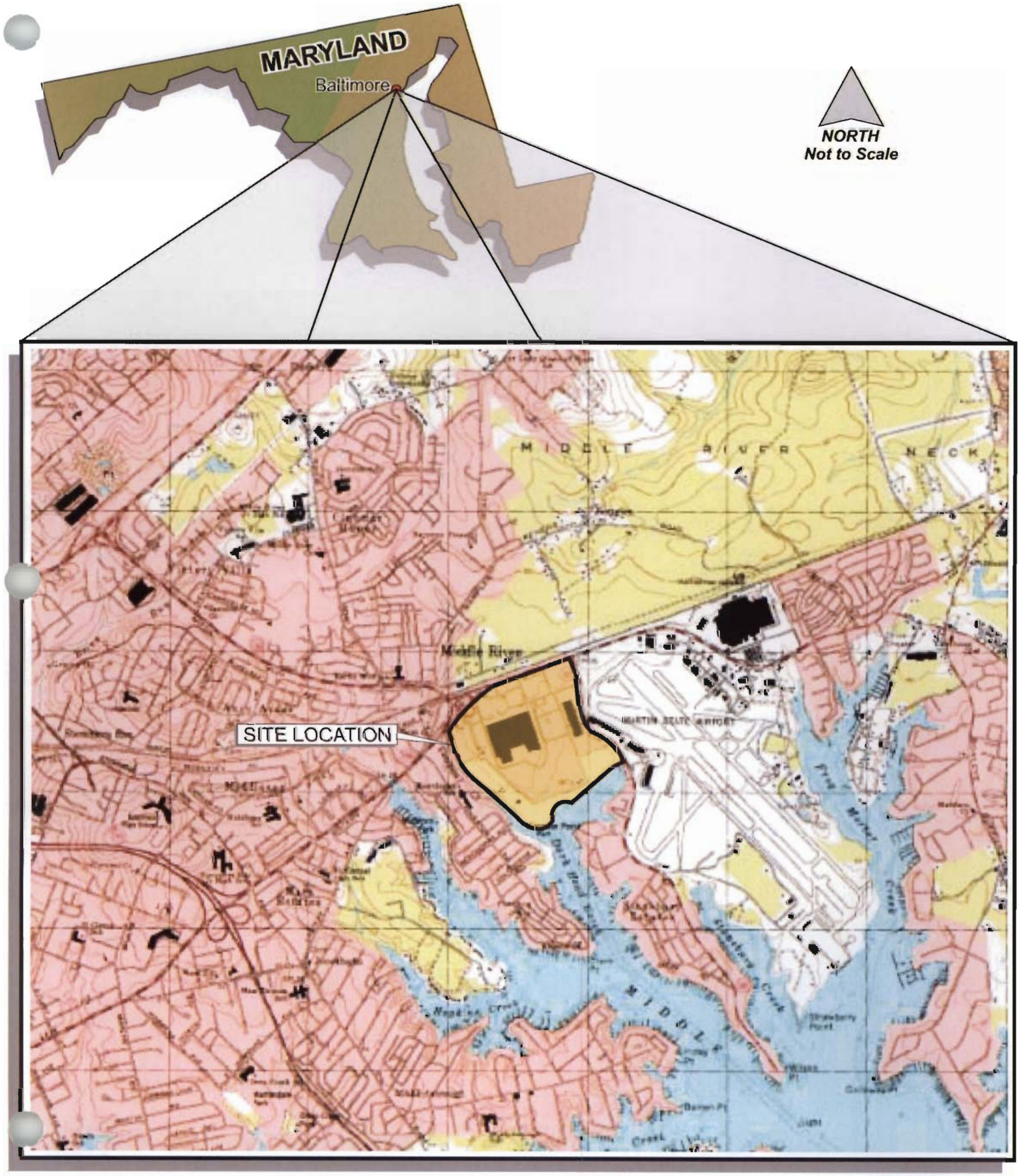
2.2 PREVIOUS INVESTIGATIONS

Numerous environmental investigations have been conducted at the LMC MRC. Investigations include underground storage tank closures and abandonments, soil excavations, Phase I Environmental Site Assessments (ESAs), and Phase II ESAs. In 2003, a facility-wide Phase I

ESA was conducted at the LMC MRC. The Phase I identified 13 recognized environmental concerns (RECs) at the facility associated primarily with current site conditions (Earth Tech, February 2003). Subsequent review of historic site activities identified another 18 RECs at the facility (Tetra Tech, August 2004). Many of the identified RECs are located in the southern portion of the facility along the waterfront. Soil and groundwater sampling at the RECs identified sporadic soil and groundwater impacts in the media underlying the facility. The MRC has been entered into the MDE Voluntary Cleanup Program (VCP).

On March 17 and 18, 2005, surface water and sediment sampling was conducted in the surface water bodies (i.e., Cow Pen Creek, Dark Head Cove, and Dark Head Creek) adjacent to the facility's southern and western property boundaries. Ten additional surface water and 50 additional sediment samples were collected in October 2005 to further characterize and delineate chemicals identified during the March sampling event. This event included much more extensive investigation in Dark Head Cove as well as vertical profiling of chemical concentrations in sediments. Both events are discussed in more detail in Section 3.0.

FIGURE 2-1
SITE LOCATION MAP



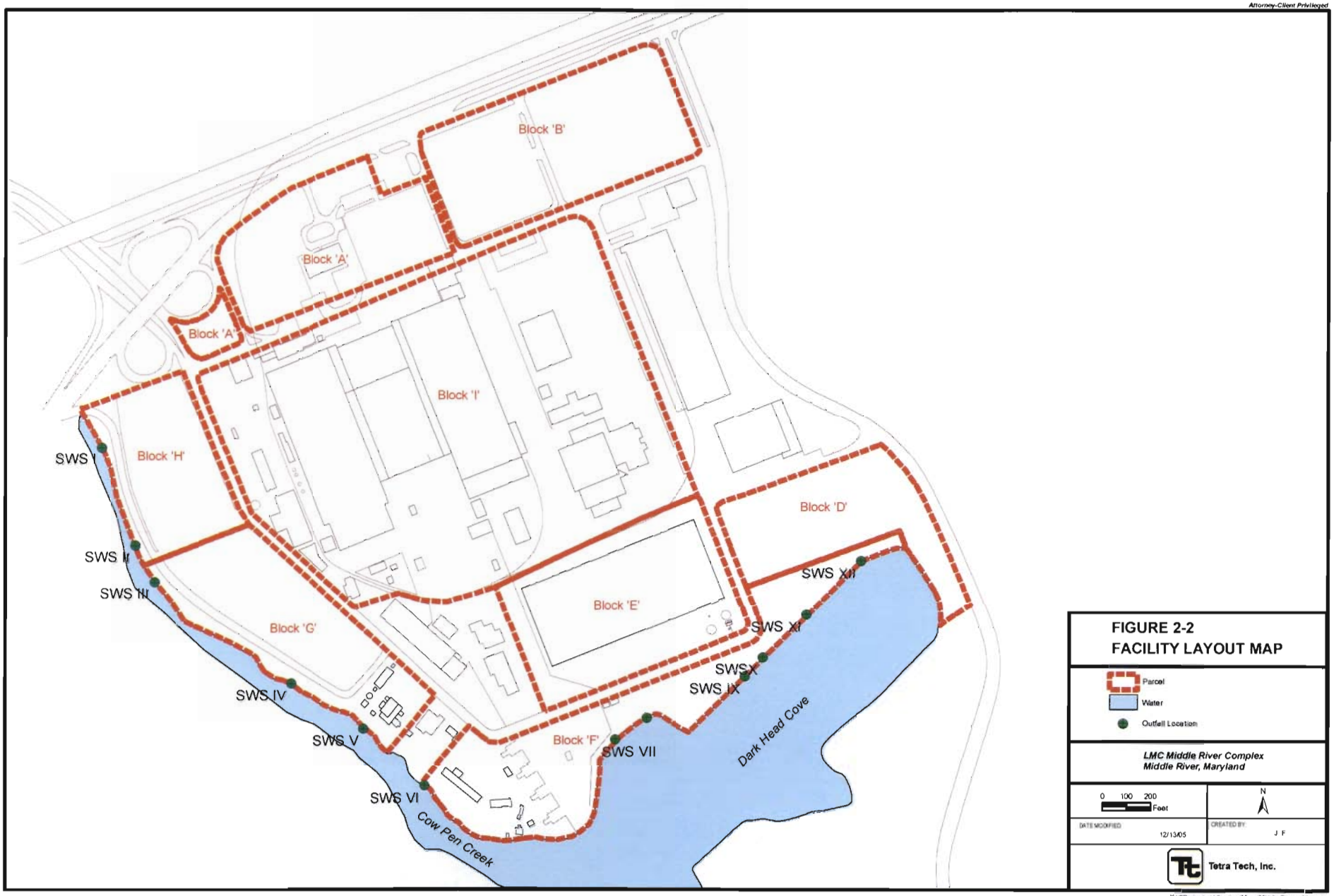


FIGURE 2-2
FACILITY LAYOUT MAP

Parcel
Water
Outfall Location

LMC Middle River Complex
Middle River, Maryland

0 100 200 Feet

N

DATE MODIFIED: 12/13/05

CREATED BY: J F

Tetra Tech, Inc.

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Section 2
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2.1 SITE DESCRIPTION

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No surface water bodies lie within or cross the LMC MRC. Excluding areas immediately adjacent to Cow Pen Creek and Dark Head Creek, surface water runoff discharges from the facility via storm drains, soil infiltration, and evaporation. A total of 12 stormwater drain systems discharging to Cow Pen Creek and Dark Head Cove have been mapped at the facility (Cassell, July 1977) and are shown on Figure 2-2. Stormwater runoff from the Chesapeake Industrial Park and a portion of the Martin State Airport located across Wilson Point Road is collected through a stormwater conveyance system and discharged to Cow Pen Creek and Dark Head Cove.

LMC MRC maintains a State of Maryland National Pollution Discharge Elimination System (NPDES) Permit (State Discharge Permit No.: 00-DP-0298, NPDES No.: MD0002852) issued by Maryland Department of the Environment (MDE) Industrial Discharge Permits Division, Water Management Administration (Earth Tech, February 2003). MRAS generates sanitary wastewater and process wastewater and is categorized as an Industrial User. The facility pretreats and discharges its wastewater under the Industrial User Discharge Permit (Permit No.: WWDP#1390), issued to MRAS by the Baltimore County Department of Public Works Bureau of Utilities (Earth Tech, February 2003). According to the permit, the facility is authorized to discharge its processed and sanitary wastewater from seven permitted discharge points (i.e., outfalls).

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Based on geologic mapping of Baltimore County, the LMC MRC is underlain by the Potomac Group, a Cretaceous age interbedded gravel, sand, silt, and clay unit ranging in thickness from 0 to 800 feet. The Potomac Group is composed of three units: the Raritan and Patapsco Formations, the Arundel Clay, and the Patuxent Formation. The Raritan and Patapsco Formations range up to 400 feet thick and are composed of a gray, brown, and red variegated silt and clay unit with lenticular lenses of sand and few gravels. The Arundel Clay is composed of dark gray and maroon lignitic clays and ranges in thickness from 25 to 200 feet. The Patuxent Formation is described as a white or light gray to orange brown, moderately sorted sand unit with quartz gravels, silts, and clays and ranges up to 250 feet in thickness (Reinhardt, 1977).

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Lithologic logging of the soils beneath the MRC conducted during extensive site characterization activities identified a very heterogeneous substrate. The underlying soils are composed primarily of silty sands, fine-grained to medium-grained sands, silty clays, clayey silts, and plastic clay, with the primarily lithology being clay to silty clay. Sand lenses of various concentrations were encountered but do not appear to be continuous beneath the facility. Shallow groundwater tends to flow in the more sandy lenses towards the surface water bodies and the water table is generally a subdued representation of the surface topography.

2.2 PREVIOUS INVESTIGATIONS

Numerous environmental investigations have been conducted at the LMC MRC. Investigations include underground storage tank closures and abandonments, soil excavations, Phase I Environmental Site Assessments (ESAs), and Phase II ESAs. In 2003, a facility-wide Phase I

ESA was conducted at the LMC MRC. The Phase I identified 13 recognized environmental concerns (RECs) at the facility associated primarily with current site conditions (Earth Tech, February 2003). Subsequent review of historic site activities identified another 18 RECs at the facility (Tetra Tech, August 2004). Many of the identified RECs are located in the southern portion of the facility along the waterfront. Soil and groundwater sampling at the RECs identified sporadic soil and groundwater impacts in the media underlying the facility. The MRC has been entered into the MDE Voluntary Cleanup Program (VCP).

On March 17 and 18, 2005, surface water and sediment sampling was conducted in the surface water bodies (i.e., Cow Pen Creek, Dark Head Cove, and Dark Head Creek) adjacent to the facility's southern and western property boundaries. Ten additional surface water and 50 additional sediment samples were collected in October 2005 to further characterize and delineate chemicals identified during the March sampling event. This event included much more extensive investigation in Dark Head Cove as well as vertical profiling of chemical concentrations in sediments. Both events are discussed in more detail in Section 3.0.

Section 3
Investigation Approach and Field Methodology

Surface water and sediment sampling was conducted in two separate phases (March 2005 and October 2005). During the March 2005 investigation, surface water and sediment sampling was conducted in the surface water bodies adjacent to the facility's southern and western property boundaries (Cow Pen Creek and Dark Head Cove). Sampling activities were conducted on March 17 and 18, 2005 in accordance with the Surface Water and Sediment Sampling Work plan (Tetra Tech, March 2005).

During the October 2005 investigation, additional surface water and sediment sampling was conducted at Dark Head Cove and Cow Pen Creek. The sampling included both areas previously sampled for confirmation and vertical distribution of detected chemicals as well as additional lateral sampling of Dark Head Cove. Sampling activities were conducted on October 20 and 21, 2005 in accordance with the Surface Water and Sediment Sampling Work plan (Tetra Tech, October 2005).

3.1 SURFACE WATER SAMPLING

3.1.1 Surface Water Sampling March 2005

A total of seven surface water samples, designated SW-1 through SW-7, were collected from Cow Pen Creek and Dark Head Cove (Figure 3-1). Two (SW-1 and SW-2) of the seven surface water samples were collected as background reference samples, one (SW-1) hydraulically upgradient of the facility's first outfall along Cow Pen Creek and one (SW-2) from a cove within Dark Head Creek. The remaining five sample locations (SW-3 through SW-7) were along the facility's waterfront approximately 10 feet from the shoreline. The surface water sample locations were

positioned adjacent to areas of known groundwater impacts and typically coincided with every second (i.e., alternate) sediment sample location. At least one of the surface water sample locations (SW-7) was located within an area recently impacted from a fuel oil spill that originated from the adjacent Martin State Airport facility.

3.1.2 Surface Water Sampling October 2005

A total of 10 surface water samples, designated SW-8 through SW-17, were collected from Cow Pen Creek and Dark Head Cove (Figure 3-2) in October 2005. The sample locations were distributed to provide a broad evaluation of surface water quality in Dark Head Cove.

3.1.3 Surface Water Sampling Protocols

Surface water samples were collected as grab samples using direct fill sampling techniques. A pre-cleaned, unpreserved bottle was submerged approximately 1 foot below the water surface and allowed to fill. The collected sample volume was then decanted into the appropriate sample containers, taking care to minimize agitation of the collected water. Each sample was submitted for the following analyses: volatile organic compounds (VOCs) using Method 8260B; semi-volatile organic compounds (SVOCs) using Method 8270C; Total Priority Pollutant Metals using Method 6020; polychlorinated biphenyls (PCBs) using Method 8082; and hexavalent chromium using Method 7196A. In addition, a peristaltic pump fitted with a 0.45 micron inline filter was used to collect a filtered surface water sample from each location. The filtered water sample was submitted for Dissolved Priority Pollutant Metals analysis by Method 6020 only. Five surface water samples were analyzed for Alkyltins during the October 2005 investigation primarily to determine if dibutyltin tin was present due to its possible historical use as an algal growth inhibitor in paint. All surface water samples were collected using dedicated and disposable sampling equipment.

Surface water quality parameters, including temperature, pH, specific conductance, turbidity, dissolved oxygen, and oxidation-reduction potential, were collected from each surface water sample location. The surface water quality measurements are presented on the field sample data sheets included in Appendix A.

3.2 SEDIMENT SAMPLING

3.2.1 Sediment Sampling March 2005

Twelve sediment samples, designated SD-1 through SD-12, were collected from Cow Pen Creek, Dark Head Cove, and Dark Head Creek. Two (SD-1 and SD-2) of the 12 sediment samples were collected as background reference samples, one (SD-1) hydraulically upgradient of the facility's first outfall along Cow Pen Creek and one (SD-2) from a cove within Dark Head Creek. The remaining 10 sample locations (SD-3 through SD-12) are collected approximately 10 feet from the facility's shoreline near one or more of the facility's outfalls.

The 12 sediment sample locations are shown on Figure 3-1. At least one of the sediment sample locations (SD-12) was located within an area recently impacted from a fuel oil spill originating on the adjacent Martin State Airport facility.

3.2.2 Sediment Sampling Protocols March 2005

Sediment samples were collected as grab samples using dedicated polyethylene trowels for shallow (less than 0.5 foot of water) sediment samples (SD-1, SD-3, and SD-4) and a decontaminated stainless steel ponar dredge for sediment sample locations collected in deeper water (SD-2 and SD-5 through SD-12). The stainless steel ponar dredge was decontaminated between sample locations, as described in Section 3.4. Upon sample retrieval, the initial sample volume was placed within the VOC sample container until no headspace remained. The remaining sample volume was then homogenized and placed within the other pre-cleaned sample containers supplied by the analytical laboratory. The collected samples were submitted for analysis for VOCs using Method 8260B; SVOCs using Method 8270C; Total Priority Pollutant Metals using Method 6020; PCBs using Method 8082; and hexavalent chromium using Method 7196A.

During sampling, the collected sediment samples were lithologically and visually characterized for color, sorting, grain size, and other pertinent characteristics. Sorting was determined by observing the grain-size distribution. Grain size was determined by comparing grains of soil to a grain-size

chart. In addition, the depth to the bottom of the surface water body was measured using a weighted tape. All sediment sampling information was documented on the sediment sample sheets included in Appendix A.

3.2.3 Sediment Sampling October 2005

A total of 50 sediment samples were collected during this investigation. A total of 30 sediment sample locations, designated SD-13 through SD-42, were sampled from Cow Pen Creek and Dark Head Cove to provide data sufficient to evaluate the horizontal distribution of chemicals of concern detected in March 2005. At all 30 locations, surficial sediments (i.e., the top approximately 6 inches of unconsolidated material) were collected. At 9 of the 30 locations (SD-13, 14, 16, 19, 27, 28, 29, 40, and 42), samples were also collected at depths of approximately 1 and 2 feet below the sediment/surface water interface. Sample locations selected for coring were in relatively close proximity to the shoreline of the LMC MRC and were intended to confirm previous sample results and to evaluate the vertical distribution of chemicals.

3.2.4 Sediment Sampling Protocols October 2005

Sediment samples were collected as grab samples from Cow Pen Creek and Dark Head Cove using a stainless steel dredge or coring device from locations at depth. All reusable equipment was decontaminated between sample locations, as described in Section 3.4. Upon sample retrieval, the initial sample volume was placed within the VOC sample container until no headspace remained. The remaining sample volume was homogenized and placed within the remaining sample containers supplied by the analytical laboratory. Samples collected from depths of 1 and 2 feet beneath the surface water interface were collected by utilizing a barge-mounted vibracore system to collect an approximately 3-inch-diameter core. Each core sample was retrieved in a dedicated disposable polyethylene bag. All samples were submitted for analysis for VOCs using Method 8260B; SVOCs using Method 8270C; Total Priority Pollutant Metals using Method 6020; PCBs using Method 8082; and hexavalent chromium using Method 7196A. In addition, 14 samples (nine surface sediments and six from 2- and 3-foot depths) were also analyzed for total organic carbon (TOC) following the Lloyd Kahn method. Twelve sediment

samples were analyzed for Alkyltins during the October 2005 investigation primarily to determine if dibutyltin was present due to its possible historical use as an algal growth inhibitor in paint.

During sampling, the sediment was logged to describe the color, sorting, grain size, and any other pertinent soil characteristics. Textural properties of the soil were determined by using tables specified in the ASTM D2488-00 method. Sorting was determined by observing the grain-size distribution. Grain size was determined by comparing grains of soil to a grain-size chart. In addition, the depth to the bottom of the surface water body was measured using a weighted tape. All information was documented on sediment sample forms (see appendix A).

3.3 SAMPLE NOMENCLATURE AND HANDLING

Laboratory-submitted samples were identified using a "SW" or "SD" prefix, identifying the sample medium, followed by a sequential numeric number identifying the sample location, followed by the sample date. An example would be SD-2-031805 for a sediment sample collected from location 2 on March 18, 2005.

Proper custody procedures were followed throughout all phases of sample collection and handling. Chain-of-custody protocols were used throughout sample handling to establish evidentiary integrity of sample containers. After collection, the samples remained in the custody of the samplers until they were picked up by a representative of the analytical laboratory.

3.4 EQUIPMENT DECONTAMINATION

All non-disposable sampling equipment was properly decontaminated between sample locations. Disposable items such as polyethylene hand trowels and disposable polyethylene core sample bags were properly discarded after each sample location.

The stainless steel ponar dredge and vibracore steel sample tube were decontaminated according to the following procedure:

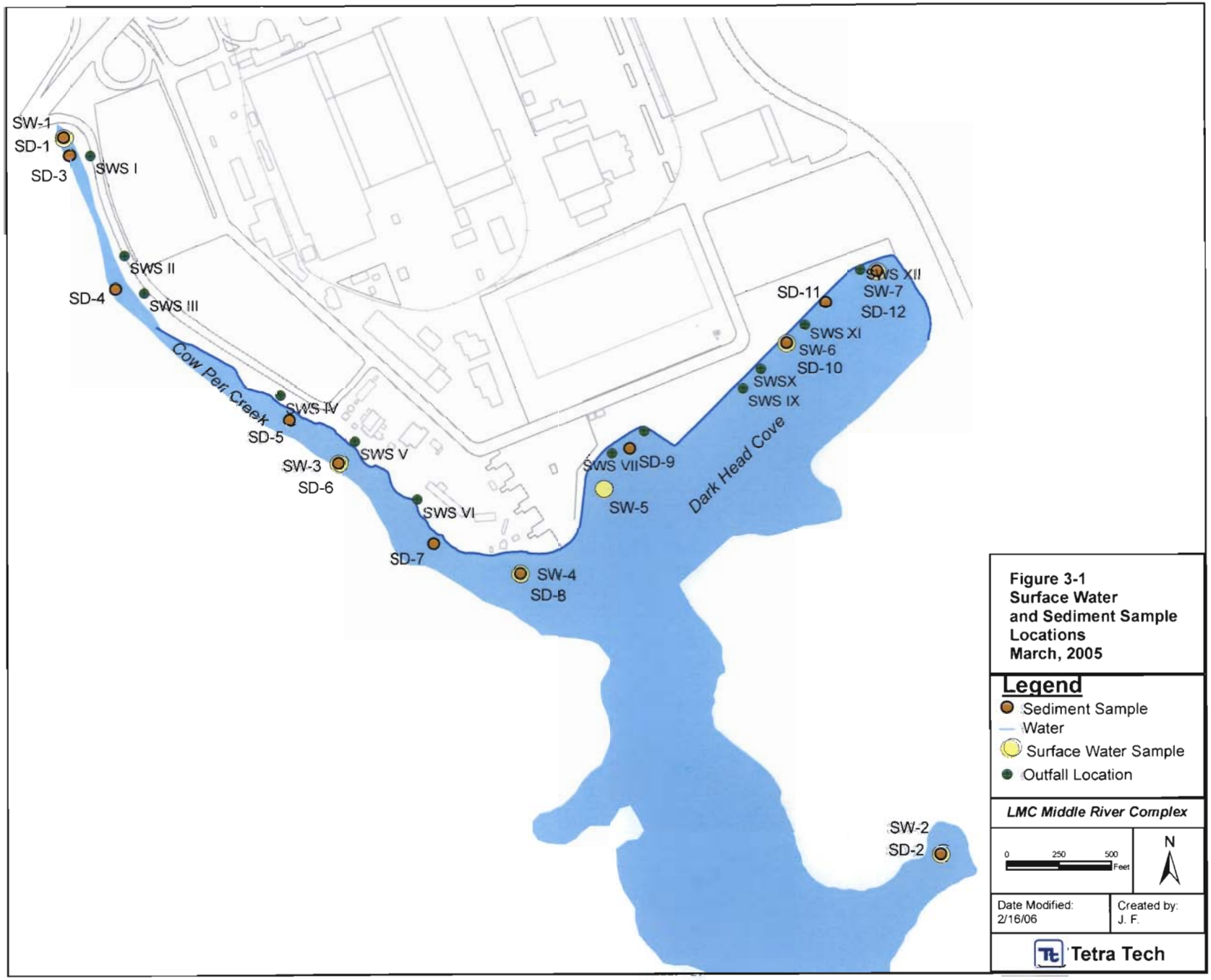
- Loose sediment was brushed off with a steel-bristle brush.

- Equipment was then washed in a non-phosphate detergent solution using plastic scrub brushes.
- The equipment was then rinsed with distilled water and isopropanol and allowed to air dry.

3.5 DATA VALIDATION

All chemical data was validated in accordance with the United States Environmental Protection Agency (EPA) Region III procedures for validation established in the National Functional Guidelines. Data validation fulfills three basic functions: (1) it serves as an independent Quality Assurance check of the veracity of laboratory results; (2) it is a means of evaluating laboratory performance and determining the impact of noncompliance on the data; and (3) lends interpretive guidance for the proper usage and limitations of the data through the use of data qualifiers.

Data validation memoranda are generated to explain the findings of the data evaluation process and interpret actions taken on the data and limits of the data usability. They present the qualified analytical results and include support documents as necessary discussing problems areas and noncompliance and supporting the validation actions taken. The full data validation memoranda are included in Appendix C.



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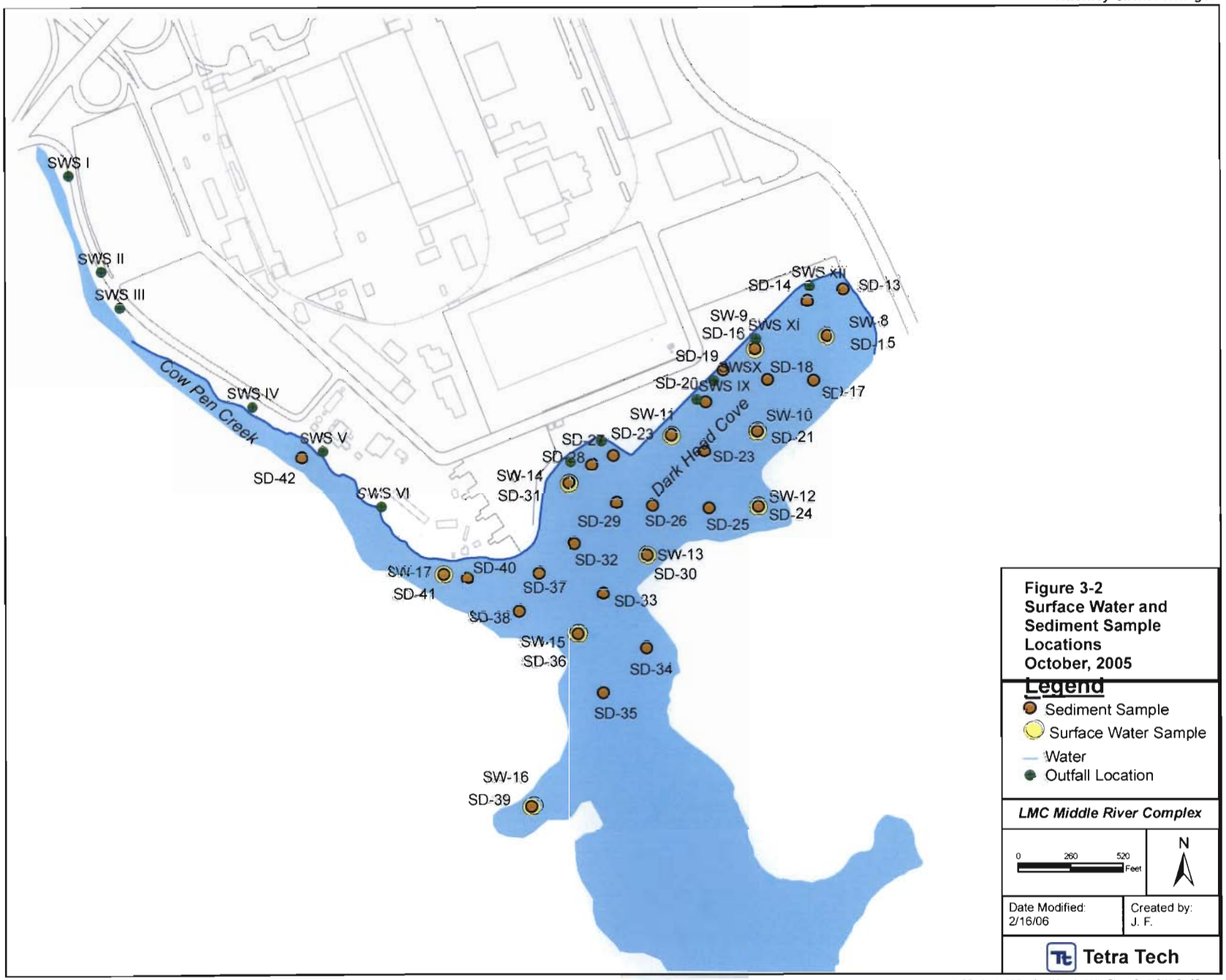

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Section 4
HUMAN HEALTH RISK ASSESSMENT

4.1 INTRODUCTION

4.1.1 Purpose and Objectives

The purpose of this human health risk assessment (HHRA) is to evaluate the likelihood that individuals exposed to the chemical concentrations in the sediments and surface water adjacent to the MRC could experience adverse health effects. The objective is to provide sufficient information to allow for identification of areas with the potential for unacceptable risks to potentially exposed individuals and as a tool to support further actions or the need for remedial actions.

4.1.2 Scope of the Human Health Risk Assessment

The HHRA was designed and conducted to conform to State and federal risk assessment policies and guidelines. Primary sources of guidance include the MDE's *Cleanup Standards for Soil and Ground Water* (August, 2001) and the MDE's *Voluntary Cleanup Program Guidance Document* (September, 2005). The HHRA also makes use of EPA Region 3 risk assessment guidance and EPA's *Risk Assessment Guidance for Superfund* as appropriate.

The risks, expressed both for cancer and effects other than cancer (noncancer hazards), were conservatively derived for specific exposure scenarios assuming reasonable maximum exposure (RME) conditions. The RME risk estimates are derived using methodology and assumptions that have been for the most part standardized for use by risk managers and regulators. This approach provides a means by which to prioritize sites, to make remedial decisions, and also to determine

acceptable cleanup levels. The risk estimates in the HHRA are upper bound estimates; the true risks are more likely to be lower.

This HHRA provides RME risk estimates for hypothetical recreational use of the portions of Cow Pen Creek and Dark Head Cove that are adjacent to the MRC. RME estimates of cancer and noncancer risks were derived for an individual's contact with sediment and surface water during recreational activities such as wading and swimming. Using sampling data, activity factors, and other exposure assumptions, the model assumes that the RME individual receives intakes of chemical substances present in sediment and surface water from (1) incidental ingestion and (2) absorption through the skin. The following receptors and routes of exposure are assessed in this HHRA:

- Media: Sediment and surface water
- Receptors: Recreational visitors or residents - adult, youth, and child
- Exposure Pathways: Incidental ingestion and dermal contact

The HHRA is similar to a Superfund Baseline Risk Assessment in that it does not *a priori* assume any physical or engineering controls or remediation that would serve to limit or reduce the levels of exposure. For decision making, RME risk estimates are typically compared to policy-based values for presumptively acceptable risk. The MDE has set an upper end threshold at risk levels of 1 in 100,000 (i.e., $1x10^{-5}$) for carcinogens (cancer risk) and a hazard quotient (HQ) of 1 for noncarcinogens.

The HHRA was based on data from sediment and surface water sampling conducted in March and October 2005. Further information on the site history and characterization activities can be found in Sections 2.0 and 3.0 of this report. The HHRA consists of the following:

- Data evaluation and selection of chemicals of potential concern (COPCs).
- Identification of potential current and future human activities in Cow Pen Creek and Dark Head Cove and potential routes of exposure to chemicals in environmental media.
- Assumptions related to the level of exposure by pathway and receptor type and the associated numerical estimates known as exposure factors.

- Evaluation of the toxicity of COPCs.
- Characterization of the risk posed by environmental conditions in the media assessed to potential receptors engaged in activities that result in exposure.
- Discussion of the uncertainty in the underlying assumptions, parameters, and numerical risk estimates.

Section 4.2 describes the data evaluation and screening procedure used to identify COPCs, and Section 4.3 describes the exposure assessment. Section 4.4 presents the toxicity values for COPCs. Section 4.5 presents the risk characterization and results of the risk assessment. Section 4.6 discusses some of the uncertainties associated with the risk estimates. Section 4.7 presents the conclusions of the risk assessment.

4.2 IDENTIFICATION OF CHEMICALS OF POTENTIAL CONCERN

4.2.1 Data Evaluation

This HHRA was based on data from sediment and surface water investigations conducted in 2005. Figure 4-1 collectively shows the sampling locations utilized during these investigations. The sediment samples were collected from three depths: surface (0 to 6 inches), 1 foot below the water surface and 2 feet below the water surface.

The data from previous investigations were reviewed to ensure that the quantity and quality of the analytical data were suitable for risk assessment purposes. The data validation reports for the samples used in this HHRA can be found in Appendix C.

Validated sampling data were processed as follows:

- All samples with data qualifiers UR and B were removed from the dataset because they represent unreliable/unusable results or possible laboratory contamination.
- All units for sample results were converted to mg/kg. Non-detects (validation qualifiers of U, UL, or UJ) were converted to values representing one-half the sample quantitation

limit (SQL)[1]. Accordingly, throughout the HHRA, COPCs (defined separately for each medium) were assumed to be present in all samples at levels of not less than ½ the SQL.

- Three sediment sampling data sets were constructed: (1) surface sediment samples collected at depths of approximately 6 inches below the sediment surface, (2) subsurface sediment collected at about 1-foot depth, and (3) subsurface sediment samples collected at about 2-foot depth.

- Surface water data were assessed as a single dataset.

4.2.2 Identification of Chemicals of Potential Concern

This section describes the methodology of the screening evaluation used to generate the list of chemicals that was evaluated quantitatively in the risk assessment. The approach is consistent with the recommended methodology in the *Risk Assessment: Technical Guidance Manual* (EPA Region 3, 2003).

4.2.1.1 Sediment COPCs

Table 4-1 shows the list of analytes detected in sediment. Table 4-1 forms the basis for risk-based screening of all analytes: it shows the numbers of samples collected, the numbers of samples with detectable concentrations, the ranges of detected concentrations, the maximum reported concentrations, and the residential risk-based concentrations (RBC) for soil published by MDE or EPA Region 3. During the screening process, analytes were compared to MDE/EPA Region 3 RBCs for residential soils (in the absence of any published RBCs for recreational use involving contact with sediment), adjusted as necessary to reflect the following screening-level target risk levels:

- The lower end of EPA's presumptively acceptable cancer risk range, a 1 in one million ($1x10^{-6}$) probability of cancer.
- An HQ of 0.1.

The lowest RBC for the above target risk values were adopted as the screening values.

1 The sample quantitation limit is the quantity reported by the laboratory for results that have been flagged with a non-detect qualifier.

COPCs were selected according to the following protocol:

- Analytes with maximum detected concentrations in sediment that exceeded the residential soil RBCs were retained for quantitative risk evaluation and considered COPCs for the risk analysis.

- Analytes detected at least once but whose highest concentration was less than the RBC were eliminated from further consideration.

- Analytes never detected at concentrations greater than the SQL, signifying that the chemical cannot be confirmed to be present in the sample but may exist at a concentration less than this SQL, were not carried through the quantitative risk evaluation but are evaluated separately in the discussion of uncertainties.

- Analytes with no RBCs are discussed in the discussion of uncertainties.

Analytes that were either never detected, whose concentrations are less than the RBC, or for which an RBC is not available were excluded from quantitative evaluation in the HHRA. The results for analytes that were never detected (i.e., all laboratory results indicated concentrations less than the laboratory's quantitation limit) were additionally evaluated by comparing their sample SQLs to their RBCs; those with SQLs that exceed the RBCs are identified on Table 4-2. These analytes were not carried forward in the HHRA because there is no evidence that they were actually present in the sediments and the range of SQLs for these is compared to the RBC values. The implications for risk associated with these analytes are discussed separately in the HHRA's discussion of uncertainties.

Based on the results of this sediment screening process, the COPCs in sediment, as shown in Table 4-1, are as follows:

- Seven metals: antimony, arsenic, cadmium, chromium, mercury, thallium, and vanadium.

- Five members of the family of organic compounds know as polycyclic aromatic hydrocarbons (PAHs), benzo(a)pyrene, benzo(a)anthracene, benzo(b)fluoranthene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene.

- One PCB isomer: Aroclor-1260.

4.2.1.1 Surface Water COPCs

The surface water samples from Cow Pen Creek and Dark Head Cove were analyzed for inorganic constituents, VOCs, SVOCs, and PAHs. Because no relevant published RBCs for recreational use of surface water could be found, any analyte detected at least once in surface water was considered a COPC. Table 4-3 lists the surface water COPCs and their concentration ranges, numbers of analyses, and numbers of detections.

Based on the results of the surface water screening process, the COPCs in surface water are as follows:

- Fourteen metals: antimony, arsenic, barium, beryllium, cadmium, chromium, copper, lead, mercury, molybdenum, nickel, selenium, silver, and zinc.
- Two SVOCs: bis(2)ethylhexyl phthalate and di-n-buty phthalate.
- Five VOCs: acetone, carbon disulfide, chloroform, methyl tert-butyl ether (MTBE), and trichloroethene.

4.3 EXPOSURE ASSESSMENT

The exposure assessment identifies and describes potentially exposed human receptors, develops exposure pathways, and estimates chemical concentrations at the point where a human receptor could come into contact with surface water and sediments in these surface water bodies [i.e., exposure point concentrations (EPCs)].

4.3.1 Conceptual Site Model

The HHRA postulates a hypothetical recreational use of Cow Pen Creek and Dark Head Cove. The conceptual site model includes an individual who either lives at or visits the area and engages in wading and swimming activities that result in contact with sediment and surface water.

4.3.2 Potential Exposure Pathways

An exposure pathway is the mechanism by which a human receptor is exposed to chemicals from a source. The four elements of a complete exposure pathway are as follows:

- A source of chemical release.
- A mechanism of release through a transport medium.
- A point of contact between the potential receptor and the transport medium, e.g., ingestion of sediment.
- A potential receptor, i.e., the individual.

If any one of the four elements is missing, the exposure pathway is considered incomplete. Only complete exposure pathways would result in exposures. The pathways assessed in the HHRA are assumed to be complete for both future users and any current users of the water bodies. The first two criteria are assumed to be satisfied, i.e., a source is/was present and the release has occurred. The receptor and point of contact are also assumed to be present. The exposure pathways for an individual using the water bodies recreationally evaluated in this HHRA are as follows:

- Incidental ingestion of surface water and sediments
- Dermal contact with surface water and sediments

Inhalation of volatile substances in surface water while swimming, although a potentially complete pathway, is considered to be negligible compared with potential exposures from the above pathways.

Inhalation of sediment particles is also deemed negligible and has not been evaluated in this HHRA as the sediments present are saturated, in most cases under 10 or more feet of water.

4.3.3 Current and Future Receptors

There are no site-specific data to characterize any current recreational users of the water bodies. Therefore, a single individual receptor is evaluated in this HHRA: an individual who recreates as a child, as a youth, and then as an adult over the duration of exposure. (The assumption that the

receptor is exposed over this age range results in higher cancer risks than if the receptor was exposed as a youth then adult or as an adult only).

4.3.4 Quantification of Exposure

This section describes the quantification of the chemical intake or exposure doses. These exposure doses provided the basis for subsequent risk calculations using dose-response relationships. The RME approach was used to provide an estimate of the maximum exposure that might occur (EPA, 1989). Under the RME scenario, the intent is to conservatively quantify an exposure that is still within the range of possible exposures.

4.3.4.1 Estimation of Concentration at the Point of Exposure

For each COPC, an upper confidence limit (UCL) of the mean concentration was used to estimate the concentration at the point of exposure (i.e., EPC). The UCL, typically the 95 percent UCL, provides reasonable confidence that the true site average will not be underestimated (EPA, 1992). The ProUCL software from the EPA National Exposure Research Laboratory, Environmental Sciences, was used to calculate the UCL values. The ProUCL software performs the necessary statistical tests and recommends an appropriate UCL value. (It generates a recommended value for the UCL depending on the distribution of the data that can be one of several statistical quantities including, the 95 percent UCL, the 97.5 percent and 99 percent UCLs or the maximum value detected or higher.) As a matter of protocol, Tetra Tech has taken the EPC to be the lower of either the UCL value recommended by ProUCL or the maximum detected concentration.

UCLs were generated for all COPCs in surface water using all available data. UCLs for sediment were computed for each of the three depth zones evaluated (surface, 1 foot, and 2 feet). The UCLs were based on the transformed data sets including surrogate values of ½ the laboratory reported SQLs for COPCs in samples for which the laboratory reported a non-detect result.

Tables 4-4, 4-5, and 4-6 provide the COPC and sampling location-specific concentrations (including surrogate values for non-detects) for surface, 1-foot and 2-foot sediments respectively.

Similarly, Table 4-7 provides the surface water COPC concentrations. These tables also show the UCL values derived from the location-specific concentrations as explained above.

4.3.4.2 Exposure Parameters

The recreational activities at Cow Pen Creek/Dark Head Cove are postulated to be wading and swimming with associated contact with sediments and surface water. The exposure assessment requires derivation of lifetime and average daily doses (the product of the concentration and the intake). Estimation of the magnitude of the doses requires knowledge of or assumptions regarding an individual's contact rate with the chemical in the media and the exposure pathways considered. These exposure factors consist of activity patterns and other receptor-specific parameters. Examples of exposure factors include exposure frequency (days exposed per year), exposure duration (years exposed), ingestion rates for soil, skin area exposed for dermal absorption, and body weights.

The RME case is assumed to involve repetitive use of the water bodies over a period of 30 years (a standard residential scenario exposure duration representing an upper bound on nationwide residential occupancy periods). The receptor is modeled as a 15 kg child for 6 years, a 40 kg youth for 12 years, and as a 70 kg adult for the remaining 12 years. The RME individual is assumed to recreate and swim for 4 days per week for the four summer months (June through September). This exposure frequency of 70 days per year is assumed to apply to each year of the 30-year duration, i.e., a total of 2,100 days of exposure. The exposure assessment algorithms and parameter values are presented in the Tables 4-8 through 4-13.

The equations for ingestion and dermal contact with sediment are shown on Table 4-8. The algorithms and receptor-specific values such as sediment ingestion rates, sediment to skin adherence factors, and skin-sediment contact areas are the same as the EPA/MDE default RME values for exposures to soil. EPA's recent dermal assessment guidance (EPA, 2004) recommends this approach with certain caveats. These limitations and sources of uncertainty are discussed in the section of this report on uncertainties. Table 4-10 provides the receptor-specific exposure factors for sediment exposure, and Table 4-12 provides the COPC-specific factors for sediment exposure assessment.

For surface water, the algorithms for ingestion and dermal contact follow the approach outlined in MDE's *Cleanup Standards for Soil and Ground Water* (2001). The equations used and receptor-specific exposure factors are shown in Tables 4-9 and 4-11, respectively. Table 4-13 provides the COPC-specific factors for surface water exposure assessment.

4.4 TOXICITY ASSESSMENT

Toxicity assessment addresses the ability of a compound, at an administered dose, to elicit an adverse human health response. For risk assessment purposes, toxic chemical effects were separated into two categories of toxicity: carcinogenic effects and noncarcinogenic effects. This division relates to the currently held scientific opinion that the mechanisms of action for these endpoints differ. For carcinogens, it is assumed, likely conservatively, that any level of exposure has a finite possibility of causing cancer and that a single exposure to a carcinogenic chemical will result in an increased probability of developing cancer. Therefore, according to this theory, there is no threshold dose for carcinogenic effects. For a chemical exhibiting noncarcinogenic effects, there is an assumed threshold dose for these effects. This threshold concept view of noncarcinogenic effects holds that a range of exposures up to some defined threshold can be tolerated by humans without appreciable risk of harm.

For quantitative risk assessment, the cancer potency of an agent considered carcinogenic is defined by a cancer slope factor (CSF). The CSF is an estimate of the slope of the tumor dose-response curve. To ensure an adequate margin of safety, the CSF is the 95^{th} percentile upper-bound confidence level of the slope of the tumor dose-response curve. Thus, the actual slope factors estimating carcinogenic potency could be lower, but are not likely to be higher.

The noncarcinogenic, or threshold, health effects of a chemical are evaluated using a reference dose (RfD) approach. A RfD is a conservative estimate of the daily intake of a chemical (milligram of chemical per kilogram body weight per day) that is without appreciable risk of any threshold health effects in humans, including sensitive subpopulations (women of child-bearing age and children).

The numerical estimates of cancer and noncancer potency via oral administration for COPCs (toxicity factors), namely the oral CSFs and oral noncancer RfDs, respectively, used in this HHRA were obtained from the most recent version of EPA Region 3's RBC Table, which was updated in October 2005. Oral toxicity factors were adjusted for the dermal exposure pathway in accordance with the recommended approach of EPA Region 3's *Updated Dermal Exposure Assessment Guidance* (2003), which incorporates by reference EPA's *Risk Assessment Guidance for Superfund* (Part E) (2004).

Tables 4-13 and 4-14 provide the toxicity factors for ingestion (oral) and dermal exposure for COPCs in sediment and surface water, respectively[2,3].

4.5 RISK CHARACTERIZATION

This section describes how calculated exposure doses were integrated with the toxicity criteria to yield estimates of potential health risks. Risk characterization involves the integration of health effects information, developed as part of the dose-response assessment, with exposure estimates developed as part of the exposure assessment. The result is a quantitative estimate of non-threshold carcinogenic risks, as well as a quantitative estimate of chronic and noncarcinogenic hazards based on the presumption that a threshold dose is required to elicit a response.

The EPA considers a risk range of 1 in 10,000 to 1 in 1,000,000 (1×10^{-4} to 1×10^{-6}) as a target range within which to manage human health risk [40 Code of Federal Regulations (CFR), Section 300.430(e)(2)(i)(A)] (EPA, 1991). It is generally accepted that risks greater than this range require attention. The one-in-a-million level of risk is often referred to as the "de minimis"

2 The toxicity factor for chromium measured as total chromium in sediments and surface water was adjusted to that of a mixture of six parts trivalent chromium (Cr III) to one part of the more toxic form hexavalent chromium (Cr VI) -- this is the ratio assumed by EPA Region 9 for total chromium in its Preliminary Remediation Goal (PRG) table. Cr VI was detected in 6 of 62 sediment samples, and the ratios of CR III to Cr VI in these samples varied from 7:1 to about 700:1. The assumption that a 6:1 ratio exists in all samples is conservative when compared to actual site conditions; however, even with this assumption, chromium does not have a large influence on the results of the HHRA.

3 For mercury, the toxicity factors combine both elemental mercury, which has an RfD for inhalation only, and methyl mercury, which has an oral RfD only. Both RfDs are assumed to apply, meaning that the form of mercury in the environment could be either elemental or methyl (or mercuric chloride because the RfD for methyl mercury is lower than the RfD for mercuric chloride).

level of risk; human health risks below this range would not require attention. The MDE's upper end threshold is 1 in 100,000 (i.e., 1 x 10^{-5}) for carcinogens (cancer risk), or a hazard index (HI) of 1.0 for noncarcinogens.

4.5.1 Carcinogenic Risk Estimates

The theoretical excess lifetime cancer risk is an estimate of the increased risk of an individual developing cancer as a result of exposure to the COPCs at specified daily dosages averaged over a lifetime of 70 years. Lifetime daily intakes, using an averaging time of 70 years, effectively prorate the total cumulative dose over a lifetime. This approach is based on the assumption that a high dose of carcinogens received over a short period of time, at any age, is equivalent to a correspondingly low dose received over a lifetime. The excess lifetime cancer risk was estimated for each assumed carcinogen using the following equation:

$$\textit{Excess Cancer Risk} = \textit{Exposure Dose} \times \textit{CSF}$$

The equations on Tables 4-9 and 4-10 present this equation with the exposure dose shown in terms of individual parameters.

4.5.2 Noncarcinogenic Effects

The HQ is the ratio of the estimated exposure dose to the RfD and is used to evaluate noncarcinogenic health effects due to exposure to a constituent. An HQ greater than 1 indicates that the estimated exposure dose for that constituent exceeds the RfD. Although an HQ of less than 1 suggests that noncarcinogenic health effects would not occur, an HQ of greater than 1 is not necessarily an indication that adverse effects will occur. The noncancer risk was estimated for each agent with potential noncarcinogenic adverse health effects using the following equation:

$$\textit{Noncancer HQ} = \textit{Exposure Dose} \;/\; \textit{RfD}$$

The equations on Tables 4-9 and 4-10 present this equation with the exposure dose shown in terms of individual parameters.

The sum of the HQs is termed the HI. Summing HQs across all chemicals and across all pathways assumes that all human health effects are additive. Because this assumption is not necessarily accurate, when an HI exceeds 1.0, it is acceptable to re-examine the health effects and to segregate the individual HQs on the basis of target organ or mechanism of action.

4.5.3 Results of the Risk Characterization

4.5.3.1 Risks Associated with Exposures of a Recreational User to Sediment

Risk estimates for cancer and noncancer endpoints were computed for recreational exposure to surface and all sediments (surface, 1-foot and 2-foot depths). The aggregate risks, which are the sums of ingestion and dermal risks across all COPCs, for the age-integrated (child-youth-adult) receptor are shown in the table below.

	RME Cancer Risks			RME Noncancer HIs		
Recreational	**Ingestion**	**Dermal**	**Total**	**Ingestion**	**Dermal**	**Total**
Sediment (surface)	1.2×10^{-5}	3.2×10^{-6}	1.5×10^{-5}	0.43	0.24	0.68
Sediment (all depths)	1.4×10^{-5}	4.3×10^{-6}	1.8×10^{-5}	0.49	0.28	0.78

These values were developed using UCL-based exposure concentrations and RME exposure assumptions. The pathway- and COPC-specific risks that make up these aggregate values are provided in Tables 4-16 (surface sediment) and 4-17 (all depths). The difference between surface and all (surface and subsurface) sediment exposure risks is small due in part to a greater number of surface samples than subsurface samples; the combined risks are slightly higher than for the surface alone because higher concentrations of chemicals in subsurface samples result in an increase in EPCs. The following discussion is limited to surface sediments because these are deemed more likely to represent exposures to recreational users; however, the general conclusions are not altered by this decision.

From the surface sediment values on Table 4-16, it can be seen that the primary contributors to the estimated cancer risks are as follows:

- Arsenic via ingestion, with a risk of 4.5×10^{-6}, 31 percent of the total cancer risk.
- PAHs via ingestion, which, treated as a group, contribute a risk of 4.3×10^{-6}, 29 percent of the total cancer risk.
- Aroclor-1260 via ingestion and dermal contact, with risks of 2.6×10^{-6} and 1.1×10^{-6}, 18 percent and 8 percent of the total cancer risk, respectively.

The same contributing COPCs are found in the cancer risk estimates for surface and subsurface sediment combined (Table 4-17).

The primary contributors to the estimated noncancer HI in surface sediment are as follows:

- Vanadium via ingestion and dermal contact, with HQs of 0.15 and 0.16, which, respectively, make up, 21 percent and 23 percent of the total noncancer HI.
- Cadmium via ingestion, with an HQ of 0.12, 17 percent of the total noncancer HI.
- Other metals, including chromium via dermal contact (10 percent) and arsenic via ingestion (10 percent), make up the remainder.

The same contributing COPCs are found in the noncancer risk estimates for surface and subsurface sediment combined (Table 4-17).

Tables 4-18 through 4-23 provide risk values for COPCs in surface sediment at each sampling location. Tables 4-18 and 4-19 show the values for cancer and noncancer risk based on combined ingestion and dermal contact. Tables 4-20 through 4-23 divide the risks by route of exposure, for example, Table 4-20 provides the risk values for cancer via ingestion. Figures 4-2 though 4-4 show the sampling locations with symbols color coded according to the levels of "risk" associated with each sampling point. Figures 4-5 and 4-6 show the relative contributions of risk-driving chemicals at each point for cancer and noncancer endpoints, respectively. Figures 4-7 and 4-8 provide the total risk estimates for each sampling point in the 1-foot depth and 2-foot depth subsurface sediments.

It should be noted that these risk estimates calculated for individual sampling points should not be construed as risk estimates for the receptor because it is not reasonable to assume that the receptor receives his or her entire exposure, over a number of years, at a single point. The location-specific tables and associated figures are intended as a tool for a remedial manager to identify relative risk contributions at each point across the horizontal and vertical extents of the sampling and to aid in decisions concerning any remedial actions. The UCL-based risk estimates given in Tables 4-16 and 4-24 more accurately represent the various concentrations to which a receptor would be exposed over time and should therefore be considered the risk assessment results for sediment exposure.

4.5.3.2 Risks Associated with Exposures of a Recreational User to Surface Water

Risk estimates for cancer and noncancer endpoints were computed for recreational exposure to surface water. The aggregate risks, which are the sums of ingestion and dermal risks across all COPCs for the age-integrated (child-youth-adult) receptor, are shown in the table below.

	RME Cancer Risks			RME Noncancer HIs		
Recreational	Ingestion	Dermal	Total	Ingestion	Dermal	Total
Surface Water	1.0×10^{-6}	8.0×10^{-6}	9.0×10^{-6}	0.036	0.12	0.15

These values were developed using UCL-based exposure concentrations and RME exposure assumptions. The pathway- and COPC-specific risks that make up these aggregate values are provided in Table 4-24.

Table 4-24 shows that the primary contributor to the estimated cancer risks from exposure to surface water is bis(2-ethylhexyl) phthalate via dermal contact, with a risk of 7.2×10^{-6}, which makes up 80 percent of the total cancer risk.

The primary contributors to the estimated noncancer HI in surface sediment are as follows:

- bis(2-Ethylhexyl) phthalate via dermal contact, with a hazard quotient of 0.08, is responsible for 53 percent of the total noncancer HI.
- Antimony and arsenic via dermal contact and ingestion make up 15 percent and 7 percent of the total HI, respectively.

Similarly to sediments, Tables 4-25 through 4-30 and the associated Figures 4-9 through 4-13 provide "risk" values for COPCs in surface water at each sampling location. Again, it should be noted that these risk estimates calculated for individual sampling points should not be construed as risk estimates for the receptor because it is not reasonable to assume that the receptor receives all of his or her exposure at a single point. The UCL-based risk estimates more accurately represent the potential exposures and should be considered the risk assessment results for surface water exposure.

4.5.4 Discussion of Results

The findings of the HHRA suggest that the potential exposures of a recreational user to Cow Pen Creek and Dark Head Cove in this area result in a cancer risk that is within the acceptable risk range of 1×10^{-6} to 1×10^{-4} but that exceeds the MDE threshold level of 1×10^{-5}. The combined cancer risk to an individual exposed to both sediment and surface water as a child, youth, and adult over a period of 30 years as was assumed in this HHRA is estimated at approximately 2.4×10^{-5}. The sum of the HIs for sediment and surface water is estimated at 0.85.

4.5.4.1 Primary COPCs in Sediment

As described in Section 4.6.1, the primary cancer contributing chemicals in sediment are arsenic, PAHs, and the PCB Aroclor-1260. The magnitude and relative contribution to the total cancer risks from these chemicals can be seen in Figure 4-5. The following observations are made:

- Arsenic contributes significantly to the aggregate risk estimates, typically accounting for about 30 percent of the cancer risk, or levels in the region of 5×10^{-6}. As can be seen in Figure 4-5, the contribution of arsenic to risks at most sampling locations is about 50

percent, with PAHs accounting for the remainder. Arsenic is a naturally occurring metal and is therefore expected to be present in sediments independent of anthropogenic sources. The UCL concentration was calculated to be 8.6 mg/kg in surface sediments. The UCL in sediments at the 1-foot depth is 7.5 mg/kg and at the 2-foot depth is 5.7 mg/kg. To further aid in this analysis, the concentrations of arsenic in surface sediments are presented on Figure 4-14.

- Aroclor-1260 is significant contributor locally, especially in the vicinity of sampling location SD-9, where in itself it represents a "risk" of approximately 5×10^{-5}. The level of impact in this area, near the shore and in what is perhaps a logical place for recreational activity, can be seen to be much higher than other areas of the water body. The concentrations of Aroclor-1260 in surface sediments are presented on Figure 4-15.

- The concentrations and absolute and relative risk contributions of PAHs can also be seen in Figure 4-5 to be elevated nearer the shore in the vicinity of SD-9 compared to other areas, but the difference is not as marked as for Aroclor-1260. Concentrations of the most toxic of the PAHs, benzo(a)pyrene, are presented on Figure 4-16.

Lead is also present in sediments. Although the concentrations of lead did not exceed MDE's soil cleanup standard for residential exposure (400 mg/kg), examination of the concentration map shown in Figure 4-17 shows that lead was detected in sediments at levels that generally exceed those found in soils during site characterization of the MRC.

With respect to noncancer risks, as described in Section 4.6.1, the metals vanadium, cadmium, chromium, and arsenic are the primary contributors. All of these can be expected to be present in background samples and therefore, to the extent that any remedial actions are influenced by the noncancer risk estimates, the range of background concentrations for these metals should be carefully considered.

4.5.4.2 Primary COPCs in Surface Water

As described in Section 4.6.2, the primary cancer contributing chemical in surface water is bis(2-ethylhexyl) phthalate. This compound is a common laboratory contaminant and its presence in surface water is suspect. Nonetheless, the magnitude and relative contribution to the total cancer risks from this chemical and the other carcinogens evaluated in this medium (arsenic, MTBE and trichloroethene) can be seen in Figure 4-12. The SVOC bis(2-ethylhexyl) phthalate is the primary concern at all sampling locations. The contribution to the aggregate UCL cancer risk

estimate (9.0×10^{-6}) from the other carcinogens detected is less than 2×10^{-6}. The aggregate cancer risk falls within the MDE's acceptable risk range, suggesting that no action is required.

With respect to noncancer risks, as described in Section 4.6.2 and as can be seen in Figure 4-13, metals, specifically antimony and arsenic, are the main contributors. However, because of the low overall HI for surface water (0.15), noncancer endpoints are unlikely to drive any remedial actions in surface water, and no further discussion of these risks is warranted.

Although lead was not quantitatively evaluated, the maximum lead concentration in surface water of 5 µg/L (see Table 4-3) is less than the lead action level for drinking water of 15 µg/L.

To the extent that COPCs identified in surface water have also been detected in shallow groundwater nearby, the potential for groundwater to influence the concentrations in surface water currently and in the future and the implications for risk should be evaluated. This issue is identified as a source of uncertainty in the risk estimates.

4.6 UNCERTAINTY

4.6.1 Uncertainties in the Risk Assessment

This section discusses the major sources of uncertainties involved in the process of quantifying risk for the human receptors evaluated in this HHRA. Because risk estimates are based on a combination of measurements and assumptions, it is important to provide information on sources of uncertainty in risk characterization. The following subsections describe the main sources of uncertainty associated with the risk estimates of the HHRA.

4.6.2 Uncertainties in the Exposure Assessment

A prevailing uncertainty in the exposure assessment lies in the estimation of chemical intake or dose. Possible variability in the concentration at the point of exposure is a significant factor in the uncertainty of the risk estimates. In most cases, the EPC (UCL value) is at an upper percentile of the distribution of measured concentrations values, if not the maximum detected value. Therefore,

to the extent that the UCL value over predicts the average of the underlying distribution of concentrations, the calculated risks and HIs are likely to be overestimated.

The HHRA's approach to COPC identification screens out from further consideration of analytes that were never detected in a particular medium. This could serve to underestimate risk if the analytical SQLs for theses analytes exceed the risk-based screening levels. If this was the case, the analyte could be present in the medium at levels that would present a risk or contribute to the total risk estimate. Table 4-2 presents the list of analytes that were never detected in sediment and the range of laboratory SQLs for each analyte. It can be seen in Table 4-2 that the low ends of the ranges for all analytes do not exceed the RBCs; the high ends of the ranges in some cases exceed the RBCs. Typically however, the majority of the analyses for any one analyte achieved a SQL lower than the RBC, and it is therefore believed that the exclusion of these analytes is appropriate. Inclusion of analytes on the basis of instances of higher than normal SQLs would likely bias the risks high and lead to misleading results.

The HHRA modeled exposure to sediments in the same manner as the risk assessment guidance recommends for contact with soils. EPA's dermal risk assessment guidance (2004) suggests this approach but points out the following considerations:

- Sediment samples used for risk assessment should be located in the same areas as the receptor is likely to contact. Sediments evaluated should include those that are exposed for some time. This HHRA considered all areas of sediment in determining the EPCs. Based on knowledge of the water bodies, it is believed unlikely that any significant area of sediment is subject to being uncovered with the possible exception of the northern reaches of Cow Pen Creek within the study area. In general, the primary COPCs are concentrated in samples collected from Dark Head Cove in which water depths are typically 8 to 12 feet.

- EPA points out that sediments covered by considerable amounts of water are subject to being washed off of the receptor. To the extent that sediments are washed off, the dermal absorption model applied in this HHRA may overestimate risks.

- Conversely, to the extent that the derivation of the EPC does not reflect actual exposures to near-shore sediments and to the extent that these zones have higher concentrations relative to other areas, the UCL-based risks may be underestimated. Based on the location-specific risk maps (e.g., Figure 4-2), the sediments near the shore in Dark Head Cove (from the southernmost point to the east) are on balance more impacted than other areas, but the reverse is seen in Cow Pen Creek to the west. In addition, it should be noted that the shoreline separating Dark Head Cove and the land is mostly a bulkhead, and sediments are

not uncovered in these areas of the Cove. The mapping of location-specific "risk" estimates is intended to allow the remedial manger to assess the differences in the conditions in discrete areas of sediment including those nearer the shoreline.

- The effect of the moisture content of sediments, which is typically greater than that of soils, will influence the adherence of sediment to the skin. However, the effect on the internal dose of increased adherence will likely be counterbalanced by the degree to which sediments are washed off during and after contact. There is insufficient information to predict the level of possible over- or under-estimation of risk associated with this source of uncertainty.

- The amount of chemical in adhered sediment that absorbs has been assumed to equal that absorbed after soil exposure. This assumption, recommended by EPA dermal guidance as a default approach, is a source of uncertainty because the potential for absorption may be different depending on whether the matrix is soil or sediment. The magnitude of this uncertainty is likely chemical specific and not readily quantifiable.

With respect to dermal contact with PAHs in sediment, the quantitative assessment does not include the effect these compounds might have on the skin. PAHs can result in skin damage including formation of warts and blisters. The potential for this effect is not addressed in this HHRA and is an acknowledged uncertainty.

A large source of uncertainty in the risk assessment is the use of generic exposure factors related to the frequency and durations of recreational activities. In the absence of any site-specific data, it was assumed that the recreational users spend 70 days recreating in this area, during which 2 hours will be spent swimming. This frequency of exposure was assumed to be repeated every year for 30 years. While the extent of any current or future recreational activities is unknown, it is believed that the assumed frequency of contact, 2,100 days in a lifetime, is sufficiently high as to not underestimate the highest reasonably anticipated exposures.

4.6.3 Uncertainties in the Toxicity Assessment

This HHRA used standard toxicity factors in the calculation of risks. The toxicity factors are designed to provide a margin of safety and therefore their use can be expected to result in overestimates of any true risks.

4.6.4 Uncertainties in the Risk Estimates

The estimated carcinogenic and noncarcinogenic risks are based on the assumption that effects are additive. It is recognized in the scientific community that chemical mixtures could have antagonistic or synergistic effects. If there are synergistic rather than additive effects, the aggregate risks could be underestimated.

This HHRA does not determine the potential source of COPCs. Background conditions have not been specifically considered in the HHRA. Several of the COPCs are metals that can be expected to be present naturally in soils and sediments. Other COPCs including PAHs, which in this case although likely not naturally occurring, are recognized to be ubiquitously present at some level in the environment particularly in urban settings. The exposure concentrations of COPCs represent the "total" exposure potential of the media evaluated.

The HHRA is based on data that are potentially subject to change in the future. It assumes long-term exposure whereas the data necessarily reflect a snapshot of conditions. The results of the HHRA would change depending on future trends of concentrations of COPCs in the sediment and surface water. Because the area including MRC is known to contain plumes of contaminants, including chlorinated organic compounds, in shallow groundwater, the extent to which the groundwater conditions might influence sediments and surface water in the future should be considered and is a source of uncertainty in the estimation of long-term exposure future risks.

There are many factors that have to be enumerated to perform a quantitative risk assessment, each having an associated level of level of uncertainty that will contribute to the overall uncertainty in the risk estimates. This report cannot address every possible source of uncertainty, but it has been designed to produce risk estimates that have levels of uncertainty similar to typical risk assessments conducted using default parameter values recommended by current guidance. As such, the level of uncertainty in the estimates provided in this report should be comparable to that produced by risk assessments conducted for other sites.

4.7 CONCLUSIONS

The risk characterization for potential exposures to the sediments in the vicinity of MRC resulted in theoretical cancer risk estimates for the RME case that exceed the MDE's threshold level of 1×10^{-5} but are within EPA's presumptively acceptable risk range of 1×10^{-6} to 1×10^{-4}. The cancer risk estimates for potential exposure to surface water fall below the MDE cancer risk range.

Non cancer effects in recreational users are deemed unlikely since the hazard index for sediment and surface water exposure (for all compounds and exposure routes combined) at 0.85 is below a value of 1, the point of departure for potential adverse health effects.

The risk estimates for exposure to sediments indicates the following primary contributors: arsenic, PAHs and, locally, PCB mixture Aroclor 1260. Each of these are discussed below.

- Arsenic. Arsenic is a naturally occurring metal which is expected to be present in soils and sediments in Maryland. Figure 4-14 depicts the results for arsenic. The levels range up to 12.5 mg/kg. The concentrations may be reflective of naturally occurring background but are slightly higher than the range for soils at MRC. The figure shows low concentration in Cow Pen Creek and the higher levels in Dark Head Cove. The concentrations in Dark Head Cove may be reflective of a higher background concentration in sediments compared to soils. This may be due to the presence of greater amounts of organic matter in sediments.

- Polycyclic aromatic Hydrocarbons (PAHs). PAHs are a group of approximately 10,000 carbon-based chemical compounds that either occur naturally in coal, crude oil, and gasoline or are man-made. Examples of the most common PAHs are anthracene, benzo(a)pyrene, benzo(b)fluoranthene, and fluoranthene. They are found in many materials including asphalt, coal tar, crude oil, creosote, roofing tar, gasoline, motor oil, and a number of other products. Most direct releases of PAHs to the environment are to the atmosphere from both natural and anthropogenic (man-made) sources. Such releases occur primarily through the incomplete burning of carbon-based materials such as coal, oil, gas, wood, charcoal, tobacco, or garbage. Sources of PAHs in soil and water include atmospheric deposition, improper disposal of used motor oil, outdoor burning activities (e.g. charcoal barbeques), municipal wastewater, and discharges of industrial effluents. Atmospheric deposition after local and long-range transport is believed to be the main source of PAHs in most soils. However, the primary sources of PAHs in soils along roads are vehicular exhausts and emissions from the wearing of tires and asphalt. Other potential sources include sewage sludge disposal, gasoline, motor oil, soil compost, and fertilizers.

Figure 4-16 shows concentration of the most toxic PAH, benzo(a)pyrene. The data highlights some areas near the shore and at the far northeastern end of Dark Head Cove with the highest benzo(a)pyrene concentrations which suggest a localized impact from adjacent land or more likely from storm water outfalls in these locations.

- Polychlorinated Biphenyls (PCBs). PCBs are not naturally occurring but their widespread historical use in the United States and their persistence in environment means that they are widespread and often found in sediments. As shown on Figure 4-15, there is an area of PCB impact in Dark Head Cove in the vicinity of sample locations SD-9 and SD-27; PCBs are also detected but at lower levels in the sediments along the bulkhead extending from SD-22 to SD-13 and in some samples from the middle portion of Dark head Cove.

It should be stressed that there is considerable uncertainty associated with the exposures assumed in this HHRA. The sediments at the site are for the most part underwater. That this will serve to reduce or even eliminate the levels of exposures assumed to occur via dermal contact and ingestion. The risk estimates are believed to be conservative in that they tend to overestimate any actual risks, in this case perhaps by a large margin. This uncertainty should be borne in mind if the HHRA risk assessment results are to be used as a basis for remedial decision making for these water bodies.

Table 4-1

COPCs in Sediment
LMC Middle River Complex
Recreational Use

Chemical	Category (1)	Minimum Concentration (or min SQL) (mg/Kg) (2)	Maximum Concentration (or max SQL) (mg/Kg) (2)	Number of detections	Number of analyses	Residential Soil risk-based concentrations (RBCs) (mg/kg) (3)	Health Enpoint for RBC (C=cancer, N=non-cancer, MDE - see notes)	Screening Level Concentration (SL) (mg/kg) (4)	COPC?	Rationale for COPC selection
ANTIMONY	**M**	**0.19**	**4.6**	**17**	**51**	**3.13E+01**	**N**	**3.13E+00**	**COPC**	**Max > SL**
ARSENIC	**M**	**0.73**	**12.6**	**61**	**62**	**4.26E-01**	**C**	**4.26E-01**	**COPC**	**Max > SL**
BARIUM	M	8	112	50	50	1.56E+04	N	1.56E+03	-	Max < SL
BERYLLIUM	M	0.46	3.6	62	62	1.56E+02	N	1.56E+01	-	Max < SL
CADMIUM	**M**	**0.07**	**157**	**62**	**62**	**3.91E+01**	**N**	**3.91E+00**	**COPC**	**Max > SL**
CHROMIUM	**M**	**24.2**	**1100**	**62**	**62**	**1.17E+05**	**N**	**1.17E+04**	-	**Max < SL**
COBALT	M	3.9	29	50	50	1.56E+03	N	1.56E+02	-	Max < SL
COPPER	M	7.4	159	62	62	3.13E+03	N	3.13E+02	-	Max < SL
LEAD	M	8.9	316	62	62	4.00E+02	MDE	4.00E+02	-	Max < SL
MERCURY	**M**	**0.008**	**6.1**	**58**	**59**	**1.00E-01**	**MDE**	**1.00E-01**	**COPC**	**Max > SL**
MOLYBDENUM	M	0.17	2.7	49	50	3.91E+02	N	3.91E+01	-	Max < SL
NICKEL	M	8.4	69.4	62	62	1.56E+03	N	1.56E+02	-	Max < SL
SELENIUM	M	0.185	2.9	16	53	3.91E+02	N	3.91E+01	-	Max < SL
SILVER	M	0.046	28.6	49	55	3.91E+02	N	3.91E+01	-	Max < SL
THALLIUM	**M**	**0.14**	**2.1**	**4**	**57**	**5.48E+00**	**N**	**5.48E-01**	**COPC**	**Max > SL**
VANADIUM	**M**	**14.9**	**120**	**50**	**50**	**7.82E+01**	**N**	**7.82E+00**	**COPC**	**Max > SL**
ZINC	M	32.4	636	62	62	2.35E+04	N	2.35E+03	-	Max < SL
HEXAVALENT CHROMIUM	MISC	0.22	13	6	62	2.35E+02	N	2.35E+01	-	Max < SL
2-METHYLNAPHTHALENE	OS	0.03	0.8	6	58	3.13E+02	N	3.13E+01	-	Max < SL
ACENAPHTHENE	OS	0.16	0.8	10	50	4.69E+03	N	4.69E+02	-	Max < SL
ACENAPHTHYLENE	OS	0.055	0.8	4	58	4.70E+02	MDE	4.70E+02	-	Max < SL
ANTHRACENE	OS	0.1	1.7	22	58	2.35E+04	N	2.35E+03	-	Max < SL
BENZO(A)ANTHRACENE	**OS**	**0.14**	**7.6**	**43**	**58**	**8.75E-01**	**C**	**8.75E-01**	**COPC**	**Max > SL**
BENZO(A)PYRENE	**OS**	**0.14**	**7.3**	**46**	**58**	**8.75E-02**	**C**	**8.75E-02**	**COPC**	**Max > SL**
BENZO(B)FLUORANTHENE	**OS**	**0.18**	**10**	**49**	**58**	**8.75E-01**	**C**	**8.75E-01**	**COPC**	**Max > SL**
BENZO(G,H,I)PERYLENE	OS	0.11	4.8	27	58	2.30E+02	MDE	2.30E+02	-	Max < SL
BENZO(K)FLUORANTHENE	OS	0.17	4.5	33	58	8.75E+00	C	8.75E+00	-	Max < SL
BIS(2-ETHYLHEXYL)PHTHALATE	OS	0.078	3.4	49	58	4.56E+01	C	4.56E+01	-	Max < SL
BUTYL BENZYL PHTHALATE	OS	0.12	2.5	5	58	3.36E+02	C	3.36E+02	-	Max < SL
CARBAZOLE	OS	0.13	1	11	58	3.19E+01	C	3.19E+01	-	Max < SL
CHRYSENE	OS	0.14	9.3	46	58	8.75E+01	C	8.75E+01	-	Max < SL
DIBENZO(A,H)ANTHRACENE	**OS**	**0.16**	**1.1**	**7**	**56**	**8.75E-02**	**C**	**8.75E-02**	**COPC**	**Max > SL**
DIBENZOFURAN	OS	0.195	0.8	5	58	1.56E+02	N	1.56E+01	-	Max < SL
FLUORANTHENE	OS	0.14	11	50	58	3.13E+03	N	3.13E+02	-	Max < SL
FLUORENE	OS	0.054	0.92	12	58	3.13E+03	N	3.13E+02	-	Max < SL
INDENO(1,2,3-CD)PYRENE	**OS**	**0.095**	**5.8**	**28**	**58**	**8.75E-01**	**C**	**8.75E-01**	**COPC**	**Max > SL**
NAPHTHALENE	OS	0.003	0.86	10	108	1.56E+03	N	1.56E+02	-	Max < SL
PHENANTHRENE	OS	0.1	7.9	40	58	2.30E+03	MDE	2.30E+03	-	Max < SL
PYRENE	OS	0.23	24	49	58	2.35E+03	N	2.35E+02	-	Max < SL
1,2-DICHLOROBENZENE	OV	0.00295	0.8	1	119	7.04E+03	N	7.04E+02	-	Max < SL
1,3-DICHLOROBENZENE	OV	0.002	0.8	2	119	2.35E+02	N	2.35E+01	-	Max < SL
1,4-DICHLOROBENZENE	OV	0.001	0.85	14	112	2.66E+01	C	2.66E+01	-	Max < SL
2-BUTANONE	OV	0.006	0.06	9	29	4.69E+04	N	4.69E+03	-	Max < SL
ACETONE	OV	0.007	0.24	14	17	7.04E+04	N	7.04E+03	-	Max < SL
CARBON DISULFIDE	OV	0.00295	0.019	12	61	7.82E+03	N	7.82E+02	-	Max < SL
CHLOROBENZENE	OV	0.00295	0.027	2	62	1.56E+03	N	1.56E+02	-	Max < SL
CHLOROMETHANE	OV	0.006	0.055	1	62	4.90E+01	MDE	4.90E+01	-	Max < SL
CIS-1,2-DICHLOROETHENE	OV	0.002	0.027	1	62	7.82E+02	N	7.82E+01	-	Max < SL
ISOPROPYLBENZENE	OV	0.00295	0.038	4	62	7.82E+03	N	7.82E+02	-	Max < SL
METHYL TERT-BUTYL ETHER	OV	0.002	0.055	28	62	1.60E+02	C	1.60E+02	-	Max < SL
SEC-BUTYLBENZENE	OV	0.003	0.18	4	50	2.20E+02	N	2.20E+01	-	Max < SL
TERT-BUTYLBENZENE	OV	0.002	0.027	1	50	3.90E+02	N	3.90E+01	-	Max < SL
TOLUENE	OV	0.001	0.027	8	62	6.26E+03	N	6.26E+02	-	Max < SL
AROCLOR-1260	**PEST/PCB**	**0.0145**	**54**	**50**	**58**	**3.19E-01**	**C**	**3.19E-01**	**COPC**	**Max > SL**

Notes:
The analytes listed on this table do not include analytes tested for but never detected above laboratory detection limits

(1) M = metal; OS = semi-volatile organic; OV = volatile organic; PEST/PCB = Pesticide or PCB; PET = gasoline/diesel range hydrocarbons

(2) Minimum and maximum detected values from database fields "VAL_RES"

(3) Residential soil RBCs from the EPA R3 RBC Table April 2005, except as noted in comments

(4) SL = Screening Level: an RBC based on the lower of residential RBCs for a target cancer risk of 1x10-6 or a target non-cancer hazard of 0.1

ND = never detected

If the target cancer risk on which the RBC is based exceeds the target hazard of 0.1; SL taken from EPA R3 "alternate RBC table"

"ND / SQL > SL" = chemical never detected but the SQL exceeds the SL in at least one sample; see report uncertainty section

Table 4-2

Analytes not detected in Sediment
LMC Middle River Complex
Recreational Use
Page 1 of 2

Chemical	Category (1)	Minimum Concentration (or min SQL) (mg/Kg) (2)	Maximum Concentration (or max SQL) (mg/Kg) (2)	Number of detections	Number of analyses	Residential Soil risk-based concentrations (RBCs) (mg/kg) (3)	Health Endpoint for RBC (C=cancer, N=non-cancer, MDE - see notes)	Screening Level Concentration (SL) (mg/kg) (4)	Max SQL > SL?	Rationale for COPC selection
1,2-DIPHENYLHYDRAZINE	**OS**	**0.39**	**1.1**	**0**	**12**	**7.98E-01**	**C**	**7.98E-01**	**Yes**	**No**
1-METHYLNAPHTHALENE	OS	0.43	1.6	0	46	3.13E+02	N	3.13E+01	-	-
2,2'-OXYBIS(1-CHLOROPROPANE)	OS	0.39	1.6	0	58	9.12E+00	C	9.12E+00	-	-
2,4,5-TRICHLOROPHENOL	OS	0.39	4.1	0	58	7.82E+03	N	7.82E+02	-	-
2,4,6-TRICHLOROPHENOL	OS	0.39	1.6	0	58	5.81E+01	C	5.81E+01	-	-
2,4-DICHLOROPHENOL	OS	0.39	1.6	0	58	2.35E+02	N	2.35E+01	-	-
2,4-DIMETHYLPHENOL	OS	0.39	1.6	0	58	1.56E+03	N	1.56E+02	-	-
2,4-DINITROPHENOL	OS	0.79	4.1	0	58	1.56E+02	N	1.56E+01	-	-
2,4-DINITROTOLUENE	OS	0.39	1.6	0	58	1.56E+02	N	1.56E+01	-	-
2,6-DINITROTOLUENE	OS	0.39	1.6	0	58	7.82E+01	N	7.82E+00	-	-
2-CHLORONAPHTHALENE	OS	0.39	1.6	0	58	6.26E+03	N	6.26E+02	-	-
2-CHLOROPHENOL	OS	0.39	1.6	0	58	3.91E+02	N	3.91E+01	-	-
2-METHYLPHENOL	OS	0.39	1.6	0	58	3.91E+03	N	3.91E+02	-	-
2-NITROANILINE	OS	0.39	4.1	0	58	2.35E+02	N	2.35E+01	-	-
2-NITROPHENOL	OS	0.39	1.6	0	58	6.30E+01	MDE	6.30E+01	-	-
3&4-METHYLPHENOL	OS	0.43	1.6	0	46	3.91E+02	N	3.91E+01	-	-
3,3'-DICHLOROBENZIDINE	**OS**	**0.43**	**2.2**	**0**	**58**	**1.42E+00**	**C**	**1.42E+00**	**Yes**	**No**
3-NITROANILINE	**OS**	**0.39**	**4.1**	**0**	**58**	**2.35E+01**	**N**	**2.35E+00**	**Yes**	**No**
4,6-DINITRO-2-METHYLPHENOL	**OS**	**0.79**	**4.1**	**0**	**58**	**7.82E+00**	**N**	**7.82E-01**	**Yes**	**No**
4-BROMOPHENYL PHENYL ETHER	OS	0.39	1.6	0	58	-		-	NO RBC	NO RBC
4-CHLORO-3-METHYLPHENOL	OS	0.39	1.6	0	58	-		-	NO RBC	NO RBC
4-CHLOROANILINE	OS	0.39	1.6	0	58	3.13E+02	N	3.13E+01	-	-
4-CHLOROPHENYL PHENYL ETHER	OS	0.39	1.6	0	58	-		-	NO RBC	NO RBC
4-METHYLPHENOL	OS	0.39	1.1	0	12	3.91E+02	N	3.91E+01	-	-
4-NITROANILINE	OS	0.39	4.1	0	58	3.19E+01	C	3.19E+01	-	-
4-NITROPHENOL	OS	0.79	4.1	0	58	6.30E+01	MDE	6.30E+01	-	-
ANILINE	OS	0.39	1.6	0	58	1.12E+02	C	1.12E+02	-	-
AZOBENZENE	OS	0.43	1.6	0	46	4.40E+00	C	4.40E+00	-	-
BENZIDINE	**OS**	**0.39**	**4.1**	**0**	**58**	**2.78E-03**	**C**	**2.78E-03**	**Yes**	**No**
BENZOIC ACID	OS	0.79	4.1	0	58	3.13E+05	N	3.13E+04	-	-
BENZYL ALCOHOL	OS	0.39	1.6	0	58	2.35E+04	N	2.35E+03	-	-
BIS(2-CHLOROETHOXY)METHANE	OS	0.39	1.6	0	58	-		-	NO RBC	NO RBC
BIS(2-CHLOROETHYL)ETHER	**OS**	**0.39**	**1.6**	**0**	**58**	**5.81E-01**	**C**	**5.81E-01**	**Yes**	**No**
DIETHYL PHTHALATE	OS	0.39	1.6	0	58	6.26E+04	N	6.26E+03	-	-
DIMETHYL PHTHALATE	OS	0.39	1.6	0	58	7.82E+05	N	7.82E+04	-	-
DI-N-BUTYL PHTHALATE	OS	0.39	1.6	0	58	7.82E+03	N	7.82E+02	-	-
DI-N-OCTYL PHTHALATE	OS	0.39	1.6	0	58	3.13E+03	N	3.13E+02	-	-
HEXACHLOROBENZENE	**OS**	**0.39**	**1.6**	**0**	**58**	**3.99E-01**	**C**	**3.99E-01**	**Yes**	**No**
HEXACHLOROBUTADIENE	OS	0.006	1.6	0	108	8.19E+00	C	8.19E+00	-	-
HEXACHLOROCYCLOPENTADIENE	OS	0.39	1.6	0	55	4.69E+02	N	4.69E+01	-	-
HEXACHLOROETHANE	OS	0.39	1.6	0	57	4.56E+01	C	4.56E+01	-	-
ISOPHORONE	OS	0.39	1.6	0	58	6.72E+02	C	6.72E+02	-	-
NITROBENZENE	OS	0.39	1.6	0	58	3.91E+01	N	3.91E+00	-	-
N-NITROSODIMETHYLAMINE	**OS**	**0.39**	**1.6**	**0**	**58**	**1.25E-02**	**C**	**1.25E-02**	**Yes**	**No**
N-NITROSO-DI-N-PROPYLAMINE	**OS**	**0.39**	**1.6**	**0**	**58**	**9.12E-02**	**C**	**9.12E-02**	**Yes**	**No**
N-NITROSODIPHENYLAMINE	OS	0.39	1.6	0	58	1.30E+02	C	1.30E+02	-	-
PENTACHLOROPHENOL	OS	0.79	4.1	0	58	5.32E+00	C	5.32E+00	-	-
PHENOL	OS	0.39	1.6	0	58	2.35E+04	N	2.35E+03	-	-
PYRIDINE	OS	0.39	1.6	0	58	7.82E+01	N	7.82E+00	-	-
1,1,1,2-TETRACHLOROETHANE	OV	0.006	0.054	0	50	2.46E+01	C	2.46E+01	-	-
1,1,1-TRICHLOROETHANE	OV	0.0059	0.054	0	62	2.19E+04	N	2.19E+03	-	-
1,1,2,2-TETRACHLOROETHANE	OV	0.0059	0.054	0	62	3.19E+00	C	3.19E+00	-	-
1,1,2-TRICHLOROETHANE	OV	0.0059	0.017	0	12	1.12E+01	C	1.12E+01	-	-
1,1,2-TRICHLOROTRIFLUOROETHANE	OV	0.0059	0.054	0	62	2.35E+06	N	2.35E+05	-	-
1,1-DICHLOROETHANE	OV	0.0059	0.054	0	62	1.56E+04	N	1.56E+03	-	-
1,1-DICHLOROETHENE	OV	0.0059	0.054	0	62	3.91E+03	N	3.91E+02	-	-
1,1-DICHLOROPROPENE	OV	0.006	0.054	0	50	6.40E+00	MDE	6.40E+00	-	-
1,2,3-TRICHLOROBENZENE	OV	0.006	0.054	0	50	7.82E+02	N	7.82E+01	-	-
1,2,3-TRICHLOROPROPANE	OV	0.006	0.054	0	50	3.19E-01	C	3.19E-01	-	-
1,2,3-TRIMETHYLBENZENE	OV	0.006	0.054	0	50	3.91E+03	N	3.91E+02	-	-
1,2,4-TRICHLOROBENZENE	OV	0.0059	1.6	0	115	7.82E+02	N	7.82E+01	-	-
1,2,4-TRIMETHYLBENZENE	OV	0.006	0.054	0	50	3.91E+03	N	3.91E+02	-	-
1,2-DIBROMO-3-CHLOROPROPANE	OV	0.0059	0.054	0	62	4.56E-01	C	4.56E-01	-	-
1,2-DIBROMOETHANE	OV	0.0059	0.054	0	62	3.19E-01	C	3.19E-01	-	-
1,2-DICHLOROETHANE	OV	0.0059	0.054	0	62	7.02E+00	C	7.02E+00	-	-
1,2-DICHLOROPROPANE	OV	0.0059	0.054	0	62	9.39E+00	C	9.39E+00	-	-
1,3-DICHLOROPROPANE	OV	0.006	0.054	0	50	1.56E+03	N	1.56E+02	-	-
1,4-DIOXANE	OV	0.43	1.6	0	46	5.81E+01	C	5.81E+01	-	-

Table 4-2

Analytes not detected in Sediment
LMC Middle River Complex
Recreational Use
Page 2 of 2

Chemical	Category (1)	Minimum Concentration (or min SQL) (mg/Kg) (2)	Maximum Concentration (or max SQL) (mg/Kg) (2)	Number of detections	Number of analyses	Residential Soil risk-based concentrations (RBCs) (mg/kg) (3)	Health Enpoint for RBC (C=cancer, N=non-cancer, MDE - see notes)	Screening Level Concentration (SL) (mg/kg) (4)	Max SQL > SL?	Rationale for COPC selection
2,2-DICHLOROPROPANE	OV	0.006	0.054	0	50	9.39E+00	C	9.39E+00	-	-
2-CHLOROETHYL VINYL ETHER	OV	0.006	0.054	0	50	-		-	NO RBC	NO RBC
2-CHLOROTOLUENE	OV	0.006	0.054	0	50	1.56E+03	N	1.56E+02	-	-
2-HEXANONE	OV	0.012	0.27	0	62	3.10E+02	MDE	3.10E+02	-	-
4-CHLOROTOLUENE	OV	0.006	0.054	0	50	1.56E+03	N	1.56E+02	-	-
4-ISOPROPYLTOLUENE	OV	0.006	0.054	0	50	-		-	NO RBC	NO RBC
4-METHYL-2-PENTANONE	OV	0.012	0.27	0	62	6.30E+02	MDE	6.30E+02	-	-
BENZENE	OV	0.0059	0.054	0	62	1.16E+01	C	1.16E+01	-	-
BROMOBENZENE	OV	0.006	0.054	0	50	1.56E+03	N	1.56E+02	-	-
BROMOCHLOROMETHANE	OV	0.006	0.054	0	50	-		-	NO RBC	NO RBC
BROMODICHLOROMETHANE	OV	0.0059	0.054	0	62	1.03E+01	C	1.03E+01	-	-
BROMOFORM	OV	0.0059	0.054	0	62	8.09E+01	C	8.09E+01	-	-
BROMOMETHANE	OV	0.012	0.11	0	62	1.10E+02	N	1.10E+01	-	-
CARBON TETRACHLORIDE	OV	0.0059	0.054	0	62	4.91E+00	C	4.91E+00	-	-
CHLORODIBROMOMETHANE	OV	0.0059	0.054	0	62	7.60E+00	C	7.60E+00	-	-
CHLOROETHANE	OV	0.012	0.11	0	62	2.20E+02	C	2.20E+02	-	-
CHLOROFORM	OV	0.0059	0.054	0	62	7.62E+02	N	7.82E+01	-	-
CIS-1,3-DICHLOROPROPENE	OV	0.0059	0.054	0	62	6.40E+00	MDE	6.40E+00	-	-
CYCLOHEXANE	OV	0.0059	0.017	0	12	-	0	-	NO RBC	NO RBC
DIBROMOMETHANE	OV	0.006	0.054	0	50	7.82E+02	N	7.62E+01	-	-
DICHLORODIFLUOROMETHANE	OV	0.0059	0.11	0	62	1.56E+04	N	1.56E+03	-	-
DIISOPROPYL ETHER	OV	0.006	0.054	0	50	-	0	-	NO RBC	NO RBC
ETHYL TERT-BUTYL ETHER	OV	0.006	0.054	0	50	-	0	-	NO RBC	NO RBC
ETHYLBENZENE	OV	0.0059	0.054	0	62	7.82E+03	N	7.82E+02	-	-
M+P-XYLENES	OV	0.0059	0.11	0	62	1.56E+04	N	1.56E+03	-	-
METHYL ACETATE	OV	0.0059	0.017	0	12	7.82E+04	N	7.82E+03	-	-
METHYL CYCLOHEXANE	OV	0.0059	0.017	0	12		0		-	-
METHYLENE CHLORIDE	OV	0.009	0.033	0	34	8.52E+01	C	8.52E+01	-	-
N-BUTYLBENZENE	OV	0.006	0.054	0	50	2.40E+02	N	2.40E+01	-	-
N-PROPYLBENZENE	OV	0.006	0.054	0	50	2.40E+02	N	2.40E+01	-	-
O-XYLENE	OV	0.0059	0.054	0	62	1.56E+04	N	1.56E+03	-	-
STYRENE	OV	0.0059	0.054	0	58	1.56E+04	N	1.56E+03	-	-
TERT-AMYL METHYL ETHER	OV	0.006	0.054	0	50	-	0	-	NO RBC	NO RBC
TETRACHLOROETHENE	OV	0.0059	0.054	0	62	1.18E+00	C	1.18E+00	-	-
TOTAL 1,2-DICHLOROETHENE	OV	0.013	0.11	0	50	7.04E+02	N	7.04E+01	-	-
TOTAL XYLENES	OV	0.019	0.16	0	50	1.56E+04	N	1.56E+03	-	-
TRANS-1,2-DICHLOROETHENE	OV	0.0059	0.054	0	62	1.56E+03	N	1.56E+02	-	-
TRANS-1,3-DICHLOROPROPENE	OV	0.0059	0.054	0	62	6.40E+00	MDE	6.40E+00	-	-
TRICHLOROETHENE	OV	0.0059	0.054	0	61	1.60E+00	C	1.60E+00	-	-
TRICHLOROFLUOROMETHANE	OV	0.0059	0.11	0	62	2.35E+04	N	2.35E+03	-	-
VINYL ACETATE	OV	0.006	0.054	0	50	7.82E+04	N	7.82E+03	-	-
VINYL CHLORIDE	**OV**	**0.012**	**0.11**	**0**	**62**	**9.00E-02**	**C**	**9.00E-02**	**Yes**	**No**
AROCLOR-1016	**PEST/PCB**	**0.022**	**11**	**0**	**58**	**5.48E+00**	**N**	**5.48E-01**	**Yes**	**No**
AROCLOR-1221	**PEST/PCB**	**0.022**	**11**	**0**	**58**	**3.19E-01**	**C**	**3.19E-01**	**Yes**	**No**
AROCLOR-1232	**PEST/PCB**	**0.022**	**11**	**0**	**58**	**3.19E-01**	**C**	**3.19E-01**	**Yes**	**No**
AROCLOR-1242	**PEST/PCB**	**0.022**	**11**	**0**	**58**	**3.19E-01**	**C**	**3.19E-01**	**Yes**	**No**
AROCLOR-1248	**PEST/PCB**	**0.022**	**11**	**0**	**58**	**3.19E-01**	**C**	**3.19E-01**	**Yes**	**No**
AROCLOR-1254	**PEST/PCB**	**0.022**	**11**	**0**	**58**	**3.19E-01**	**C**	**3.19E-01**	**Yes**	**No**

Notes:
The analytes listed on this table do include analytes tested for but never detected above laboratory detection limits

(1) M = metal; OS = semi-volatile organic; OV = volatile organic; PEST/PCB = Pesticide or PCB; PET = gasoline/diesel range hydrocarbons

(2) Minimum and maximum detected values from database fields "VAL_RES"

(3) Residential soil RBCs from the EPA R3 RBC Table April 2005, except as noted in comments

(4) SL = Screening Level: an RBC based on the lower of residential RBCs for a target cancer risk of 1x10-6 or a target non-cancer hazard of 0.1

ND = never detected

If the target cancer risk on which the RBC is based exceeds the target hazard of 0.1; SL taken from EPA R3 "alternate RBC table"

"ND / SQL > SL" = chemical never detected but the SQL exceeds the SL in at least one sample; see report uncertainty section

Table 4-3
COPCs in Surface Water
LMC Middle River Complex
Recreational Use

Chemical	Category (1)	Minimum Concentration (or min SQL) (mg/L)	Maximum Concentration (or max SQL) (mg/L)	Number of detections	Number of analyses	COPC?
ANTIMONY	M	4.25E-05	5.20E-03	6	34	COPC
ARSENIC	M	2.80E-04	3.60E-03	16	34	COPC
BARIUM	M	7.74E-02	9.02E-02	20	20	COPC
BERYLLIUM	M	2.35E-06	1.75E-04	13	34	COPC
CADMIUM	M	1.20E-05	3.30E-04	6	33	COPC
CHROMIUM	M	2.95E-05	6.00E-03	7	34	COPC
COPPER	M	8.70E-04	2.92E-02	3	22	COPC
LEAD	M	8.25E-04	5.00E-03	7	20	COPC
MERCURY	M	1.00E-05	5.00E-05	1	34	COPC
MOLYBDENUM	M	1.00E-03	2.50E-03	4	20	COPC
NICKEL	M	7.65E-04	7.50E-03	33	34	COPC
SELENIUM	M	7.50E-05	4.00E-03	13	34	COPC
SILVER	M	2.50E-04	5.20E-04	1	21	COPC
ZINC	M	9.10E-03	2.36E-02	24	24	COPC
BIS(2-ETHYLHEXYL)PHTHALATE	OS	1.40E-03	6.90E-03	7	17	COPC
DI-N-BUTYL PHTHALATE	OS	1.50E-03	5.50E-03	2	17	COPC
ACETONE	OV	5.00E-03	5.70E-03	2	7	COPC
CARBON DISULFIDE	OV	5.00E-04	8.60E-03	6	17	COPC
CHLOROFORM	OV	5.00E-04	2.50E-03	1	17	COPC
METHYL TERT-BUTYL ETHER	OV	1.00E-03	2.50E-03	8	17	COPC
TRICHLOROETHENE	OV	3.00E-04	2.50E-03	1	17	COPC

Notes:

An analyte is considered a COPC in surface water if it was detected at least once

(1) M = metal; OS = semi-volatile organic; OV = volatile organic; PEST/PCB = Pesticide or PCB; PET = gasoline/diesel range hydrocarbons

Table 4-4

COPC Concentrations in Surface Sediment
LMC Middle River Complex
Recreational Use
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Surface Sediment Concentrations for COPCs

0-6" depth range

units: mg/Kg

Location	UCL	SD-1	SD-2	SD-3	SD-4	SD-5	SD-6	SD-7	SD-8	SD-9	SD-10
ANTIMONY	1.52E+00	na	na	na	4.60E+00	na	na	na	na	na	na
ARSENIC	8.63E+00	2.60E+00	5.70E+00	2.10E+00	3.30E+00	4.60E+00	4.80E+00	4.30E+00	5.90E+00	1.16E+01	9.40E+00
CADMIUM	2.31E+01	4.70E-01	7.90E+00	4.20E-01	2.05E+01	2.09E+01	3.48E+01	5.60E+00	5.00E+00	6.10E+00	4.90E+00
CHROMIUM	2.44E+02	9.09E+01	1.38E+02	1.03E+02	1.13E+02	2.03E+02	3.91E+02	7.68E+01	8.91E+01	1.03E+02	8.71E+01
MERCURY	7.97E-01	7.10E-01	3.40E-01	8.00E-03	2.70E-02	1.00E-01	3.20E-01	8.40E-02	1.70E-01	3.00E-01	2.70E-01
THALLIUM	9.76E-01	1.45E-01	2.80E-01	1.40E-01	3.10E-01	2.10E-01	2.55E-01	2.30E-01	na	3.45E-01	3.35E-01
VANADIUM	5.69E+01	na	na	na	na	na	na	na	na	na	na
BENZO(A)ANTHRACENE	8.55E-01	6.50E-01	1.40E-01	4.10E-01	7.50E-01	1.20E+00	4.40E-01	1.40E-01	5.80E-01	7.90E-01	1.30E+00
BENZO(A)PYRENE	8.16E-01	5.30E-01	1.40E-01	4.20E-01	6.30E-01	1.00E+00	4.50E-01	1.50E-01	5.00E-01	8.10E-01	1.10E+00
BENZO(B)FLUORANTHENE	1.21E+00	8.00E-01	1.80E-01	5.30E-01	7.10E-01	1.50E+00	4.90E-01	2.00E-01	8.00E-01	1.60E+00	1.40E+00
DIBENZO(A,H)ANTHRACENE	5.66E-01	2.05E-01	4.00E-01	1.95E-01	2.30E-01	3.40E-01	3.95E-01	3.40E-01	3.35E-01	1.60E-01	4.80E-01
INDENO(1,2,3-CD)PYRENE	1.02E+00	2.80E-01	4.00E-01	2.50E-01	3.30E-01	6.10E-01	2.90E-01	9.50E-02	2.80E-01	5.60E-01	6.30E-01
AROCLOR-1260	3.80E+00	2.05E-02	1.60E-01	5.30E-02	2.30E-02	4.20E-01	5.40E-01	1.10E-01	3.70E-01	5.40E+01	1.30E+00

Table 4-4

COPC Concentrations in Surface Sediment
LMC Middle River Complex
Recreational Use
Page 2 of 4

Surface Sediment Concentrations fo

0-6" depth range

units: mg/Kg

Location	SD-11	SD-12	SD-13	SD-14	SD-15	SD-16	SD-17	SD-18	SD-19	SD-20	SD-21
ANTIMONY	na	na	5.45E-01	9.60E-01	1.80E+00	6.65E-01	1.50E+00	1.70E+00	5.35E-01	1.40E+00	6.75E-01
ARSENIC	5.30E+00	9.70E+00	9.00E+00	4.00E+00	1.05E+01	9.60E+00	1.19E+01	1.13E+01	8.20E+00	1.02E+01	9.40E+00
CADMIUM	3.50E+00	5.90E+00	5.90E+00	3.50E+00	4.70E+00	5.10E+00	4.60E+00	4.60E+00	7.20E+00	5.40E+00	3.30E+00
CHROMIUM	5.81E+01	1.06E+02	1.24E+02	7.50E+01	1.20E+02	1.27E+02	1.25E+02	1.32E+02	1.35E+02	1.40E+02	9.84E+01
MERCURY	2.10E-01	3.50E-01	4.80E-01	3.40E-01	4.40E-01	4.00E-01	3.90E-01	4.00E-01	4.30E-01	4.60E-01	3.30E-01
THALLIUM	2.20E-01	3.85E-01	8.15E-01	3.20E-01	9.55E-01	2.10E+00	1.12E+00	1.06E+00	7.95E-01	9.70E-01	1.01E+00
VANADIUM	na	na	5.50E+01	1.49E+01	5.78E+01	5.22E+01	6.14E+01	5.74E+01	5.63E+01	5.56E+01	4.40E+01
BENZO(A)ANTHRACENE	3.00E-01	1.10E+00	2.00E+00	1.10E+00	1.00E+00	4.90E-01	5.10E-01	3.80E-01	7.70E-01	3.60E-01	3.50E-01
BENZO(A)PYRENE	3.00E-01	1.10E+00	2.50E+00	7.90E-01	1.20E+00	5.40E-01	6.50E-01	5.40E-01	9.60E-01	4.20E-01	5.20E-01
BENZO(B)FLUORANTHENE	3.00E-01	1.60E+00	3.70E+00	1.40E+00	1.80E+00	8.10E-01	1.10E+00	9.30E-01	1.40E+00	7.40E-01	8.00E-01
DIBENZO(A,H)ANTHRACENE	3.00E-01	5.50E-01	6.50E-01	2.15E-01	6.50E-01	7.00E-01	6.50E-01	7.50E-01	5.50E-01	7.50E-01	6.50E-01
INDENO(1,2,3-CD)PYRENE	3.00E-01	6.60E-01	2.00E+00	4.60E-01	8.40E-01	7.00E-01	6.50E-01	7.50E-01	5.90E-01	7.50E-01	6.50E-01
AROCLOR-1260	1.40E+00	1.80E+00	1.40E+00	4.80E-01	1.30E+00	1.40E+00	1.10E+00	7.80E-01	2.80E+00	1.10E+00	5.60E-01

Table 4-4

COPC Concentrations in Surface Sediment
LMC Middle River Complex
Recreational Use

Surface Sediment Concentrations fo

0-6" depth range

units: mg/Kg

Location	SD-22	SD-23	SD-24	SD-25	SD-26	SD-27	SD-28	SD-29	SD-30	SD-31	SD-32
ANTIMONY	6.75E-01	6.25E-01	2.15E-01	3.55E-01	1.50E+00	1.20E+00	6.15E-01	5.45E-01	6.20E-01	3.70E-01	8.65E-01
ARSENIC	1.12E+01	1.11E+01	3.80E+00	5.10E+00	1.10E+01	7.40E+00	8.40E+00	8.30E+00	1.01E+01	6.20E+00	1.21E+01
CADMIUM	5.20E+00	5.30E+00	1.60E+00	4.30E+00	5.60E+00	2.27E+01	3.94E+01	1.03E+01	3.90E+00	3.70E-01	3.00E+00
CHROMIUM	1.56E+02	1.54E+02	3.34E+01	6.37E+01	1.70E+02	4.54E+02	6.80E+02	2.53E+02	1.40E+02	4.60E+01	1.52E+02
MERCURY	4.00E-01	4.00E-01	1.00E-01	2.30E-01	5.20E-01	6.80E-01	9.80E-01	8.40E-01	3.50E+00	1.90E-01	5.20E-01
THALLIUM	1.01E+00	9.35E-01	3.20E-01	5.25E-01	1.11E+00	na	9.15E-01	8.15E-01	9.25E-01	5.50E-01	na
VANADIUM	6.15E+01	5.59E+01	2.08E+01	2.42E+01	5.49E+01	6.49E+01	1.20E+02	6.97E+01	5.33E+01	3.82E+01	6.29E+01
BENZO(A)ANTHRACENE	4.00E-01	3.50E-01	3.70E-01	3.30E-01	3.30E-01	9.80E-01	5.20E+00	4.20E-01	3.00E-01	4.30E-01	8.00E-01
BENZO(A)PYRENE	5.80E-01	4.80E-01	3.50E-01	3.70E-01	4.50E-01	9.90E-01	4.40E+00	4.70E-01	3.80E-01	4.30E-01	2.40E-01
BENZO(B)FLUORANTHENE	1.00E+00	8.30E-01	5.70E-01	5.70E-01	7.80E-01	1.40E+00	5.80E+00	6.60E-01	7.00E-01	4.30E-01	4.00E-01
DIBENZO(A,H)ANTHRACENE	7.00E-01	7.00E-01	2.40E-01	3.90E-01	7.50E-01	4.70E-01	6.00E-01	4.90E-01	6.50E-01	4.30E-01	8.00E-01
INDENO(1,2,3-CD)PYRENE	7.00E-01	7.00E-01	2.40E-01	3.20E-01	7.50E-01	7.40E-01	3.40E+00	4.90E-01	6.50E-01	4.30E-01	8.00E-01
AROCLOR-1260	2.00E+00	7.50E-01	1.90E-01	1.30E+00	1.50E+00	2.00E+01	7.90E-01	2.50E+00	1.40E+00	1.70E-01	6.20E-01

Table 4-4

COPC Concentrations in Surface Sediment
LMC Middle River Complex
Recreational Use
Page 4 of 4

Surface Sediment Concentrations fo

0-6" depth range

units: mg/Kg

Location	SD-33	SD-34	SD-35	SD-36	SD-37	SD-38	SD-39	SD-40	SD-41	SD-42
ANTIMONY	6.95E-01	3.60E-01	5.85E-01	6.25E-01	7.05E-01	6.30E-01	4.30E-01	6.05E-01	4.45E-01	4.40E-01
ARSENIC	1.03E+01	6.70E+00	1.20E+01	9.60E+00	8.50E+00	9.70E+00	7.40E+00	8.60E+00	6.00E+00	4.20E+00
CADMIUM	3.90E+00	3.70E+00	4.20E+00	4.70E+00	4.30E+00	5.50E+00	5.30E+00	2.40E+01	1.06E+01	3.29E+01
CHROMIUM	1.54E+02	1.05E+02	1.72E+02	1.52E+02	1.13E+02	1.58E+02	1.27E+02	3.61E+02	1.73E+02	3.54E+02
MERCURY	4.90E-01	3.40E-01	5.10E-01	3.40E-01	2.60E-01	3.60E-01	3.80E-01	5.20E-01	3.50E-01	2.90E-01
THALLIUM	1.04E+00	5.40E-01	8.75E-01	9.35E-01	1.06E+00	na	6.40E-01	9.00E-01	6.65E-01	6.55E-01
VANADIUM	5.59E+01	3.50E+01	6.21E+01	4.82E+01	3.81E+01	4.81E+01	3.02E+01	6.17E+01	3.36E+01	3.32E+01
BENZO(A)ANTHRACENE	6.50E-01	2.60E-01	6.00E-01	6.00E-01	3.10E-01	8.00E-01	5.50E-01	3.50E-01	na	na
BENZO(A)PYRENE	6.50E-01	3.50E-01	1.70E-01	2.00E-01	4.10E-01	2.50E-01	2.00E-01	3.80E-01	na	na
BENZO(B)FLUORANTHENE	2.90E-01	5.20E-01	3.00E-01	3.60E-01	5.90E-01	4.40E-01	3.40E-01	5.60E-01	na	na
DIBENZO(A,H)ANTHRACENE	6.50E-01	4.20E-01	6.00E-01	6.00E-01	7.00E-01	8.00E-01	5.50E-01	6.00E-01	na	na
INDENO(1,2,3-CD)PYRENE	6.50E-01	4.20E-01	6.00E-01	6.00E-01	7.00E-01	8.00E-01	5.50E-01	6.00E-01	na	na
AROCLOR-1260	7.20E-01	2.90E-01	3.70E-01	4.30E-01	2.40E-01	2.10E-01	1.90E-01	3.60E-01	na	na

Notes:
"UCL" = Upper confidence limit on the mean (95% or higher) based on all results

The concentrations shown for each sampling location are the artithmetic average of the results within the depth range considered

The concentration values include assumed concentrations for COPCs that were not deteced in a sample; these concentrations were assumed to equal 1/2 of the COPCs sample detection limit

Table 4-5

COPC Concentrations in SubSurface (1ft) Sediment
LMC Middle River Complex
Recreational Use

Subsurface (1ft) Sediment Concentrations for COPCs

1ft depth range

units: mg/Kg

Location	UCL	SD-13	SD-14	SD-16	SD-19	SD-27	SD-28	SD-29	SD-31	SD-40	SD-42
ANTIMONY	1.38E+00	2.00E+00	3.60E-01	1.50E+00	2.00E+00	1.10E+00	2.85E-01	1.20E+00	8.20E-01	3.30E-01	2.90E-01
ARSENIC	7.45E+00	6.90E+00	3.90E+00	6.60E+00	3.00E+00	7.80E+00	5.00E+00	3.90E+00	1.26E+01	5.40E+00	7.30E-01
CADMIUM	9.46E+01	1.36E+01	7.00E-02	2.68E+01	3.44E+01	2.79E+01	8.40E+00	4.05E+01	2.80E-01	3.12E+01	1.57E+02
CHROMIUM	6.61E+02	2.27E+02	2.80E+01	4.43E+02	7.56E+02	5.03E+02	1.40E+02	8.17E+02	7.50E+01	4.75E+02	1.10E+03
MERCURY	2.29E+00	7.30E-01	6.00E-02	3.50E+00	1.00E+00	1.50E+00	4.30E-01	na	na	6.70E-01	5.20E-01
THALLIUM	1.21E+00	6.80E-01	5.40E-01	2.10E+00	7.65E-01	7.50E-01	4.25E-01	6.50E-01	1.23E+00	na	4.35E-01
VANADIUM	7.84E+01	8.22E+01	2.78E+01	1.10E+02	4.92E+01	9.88E+01	3.25E+01	5.70E+01	7.29E+01	5.07E+01	4.23E+01
BENZO(A)ANTHRACENE	4.99E+00	7.60E+00	3.55E-01	2.60E+00	2.30E+00	5.80E-01	5.10E+00	6.10E-01	3.70E-01	4.10E-01	na
BENZO(A)PYRENE	4.65E+00	7.30E+00	3.55E-01	3.00E+00	2.30E+00	6.70E-01	4.20E+00	6.50E-01	3.70E-01	4.80E-01	na
BENZO(B)FLUORANTHENE	6.56E+00	1.00E+01	3.55E-01	4.60E+00	3.10E+00	8.90E-01	5.40E+00	9.20E-01	3.70E-01	7.50E-01	na
DIBENZO(A,H)ANTHRACENE	5.95E-01	7.90E-01	3.55E-01	5.00E-01	4.80E-01	4.70E-01	7.00E-01	4.50E-01	3.70E-01	4.30E-01	na
INDENO(1,2,3-CD)PYRENE	3.28E+00	5.60E+00	3.55E-01	1.60E+00	2.00E+00	6.00E-01	3.00E+00	4.90E-01	3.70E-01	4.50E-01	na
AROCLOR-1260	1.76E+00	2.50E+00	1.85E-02	1.40E+00	3.30E-01	6.70E-01	6.10E-01	2.10E-01	1.90E-02	4.00E-01	na

Notes:
"UCL" = Upper confidence limit on the mean (95% or higher) based on all results

The concentrations shown for each sampling location are the artithmetic average of the results within the depth range considered

The concentration values include assumed concentrations for COPCs that were not deteced in a sample; these concentrations were assumed to equal 1/2 of the COPCs sample detection limit

Table 4-6

COPC Concentrations in SubSurface (2ft) Sediment
LMC Middle River Complex
Recreational Use

Subsurface (2ft) Sediment Concentrations for COPCs

2ft depth range

units: mg/Kg

Location	UCL	SD-13	SD-14	SD-16	SD-19	SD-27	SD-28	SD-29	SD-31	SD-40	SD-42
ANTIMONY	1.78E+00	3.40E+00	3.25E-01	2.20E+00	2.30E-01	1.90E-01	2.70E-01	8.50E-01	1.00E+00	4.70E-01	3.50E-01
ARSENIC	5.68E+00	5.60E+00	3.80E+00	2.80E+00	3.00E+00	2.10E+00	5.40E+00	5.90E+00	8.10E+00	4.00E+00	5.60E+00
CADMIUM	5.66E+01	2.18E+01	5.20E-01	5.64E+01	2.70E+00	6.40E-01	1.10E+00	5.70E-01	2.90E+00	5.66E+01	1.60E+00
CHROMIUM	8.04E+02	4.99E+02	3.56E+01	1.08E+03	7.90E+01	2.42E+01	5.62E+01	4.79E+01	1.02E+02	9.45E+02	4.68E+01
MERCURY	3.64E+00	1.90E+00	4.00E-02	6.10E+00	1.70E-01	na	2.40E+00	2.50E-01	4.00E-01	6.10E-01	2.10E-01
THALLIUM	8.24E-01	1.30E+00	4.85E-01	8.90E-01	8.60E-01	2.85E-01	4.00E-01	3.55E-01	6.55E-01	7.05E-01	5.25E-01
VANADIUM	5.29E+01	5.17E+01	2.62E+01	7.83E+01	2.42E+01	1.58E+01	3.59E+01	4.35E+01	4.04E+01	6.63E+01	3.49E+01
BENZO(A)ANTHRACENE	3.23E+00	5.80E+00	3.40E-01	3.60E+00	1.50E-01	2.30E-01	3.70E-01	2.85E-01	5.00E-01	6.60E-01	na
BENZO(A)PYRENE	3.41E+00	6.00E+00	3.40E-01	3.90E+00	1.60E-01	2.30E-01	3.70E-01	2.85E-01	5.00E-01	7.40E-01	na
BENZO(B)FLUORANTHENE	8.40E+00	8.40E+00	3.40E-01	5.20E+00	1.90E-01	2.30E-01	3.70E-01	2.85E-01	5.00E-01	1.00E+00	na
DIBENZO(A,H)ANTHRACENE	6.58E-01	1.10E+00	3.40E-01	6.40E-01	2.45E-01	2.30E-01	3.70E-01	2.85E-01	5.00E-01	4.40E-01	na
INDENO(1,2,3-CD)PYRENE	4.00E+00	4.00E+00	3.40E-01	2.70E+00	2.45E-01	2.30E-01	3.70E-01	2.85E-01	5.00E-01	5.70E-01	na
AROCLOR-1260	9.60E-01	6.70E-01	1.75E-02	2.65E-02	4.90E-02	6.70E-02	1.90E-02	1.45E-02	7.50E-02	9.60E-01	na

Notes:
"UCL" = Upper confidence limit on the mean (95% or higher) based on all results

The concentrations shown for each sampling location are the arithmetic average of the results within the depth range considered

The concentration values include assumed concentrations for COPCs that were not deteced in a sample; these concentrations were assumed to equal 1/2 of the COPCs sample detection limit

Table 4-7

COPC Concentrations in Surface Water
LMC Middle River Complex
Recreational Use

units: mg/L

Location	UCL	SW-1	SW-2	SW-3	SW-4	SW-5	SW-6	SW-7	SW-08	SW-09	SW-10	SW-11	SW-12	SW-13	SW-14	SW-15	SW-16	SW-17
ANTIMONY	3.63E-03	1.26E-04	8.13E-05	1.25E-04	4.25E-05	4.25E-05	4.25E-05	4.25E-05	3.63E-03	2.06E-03	2.06E-03	2.06E-03	2.06E-03	2.06E-03	2.06E-03	2.06E-03	3.13E-03	2.06E-03
ARSENIC	2.14E-03	5.85E-04	5.05E-04	9.25E-04	5.25E-04	7.55E-04	5.50E-04	8.15E-04	1.73E-03	1.73E-03	2.61E-03	1.73E-03	1.73E-03	1.73E-03	1.73E-03	1.73E-03	1.73E-03	2.66E-03
BARIUM	8.59E-02	na	na	na	na	na	na	na	8.41E-02	8.41E-02	8.46E-02	8.30E-02	8.55E-02	8.85E-02	8.64E-02	8.56E-02	8.44E-02	7.93E-02
BERYLLIUM	1.75E-04	1.30E-04	5.33E-06	5.75E-05	7.05E-05	1.04E-04	3.65E-05	3.20E-05	1.75E-04	1.75E-04	1.75E-04	1.75E-04	1.75E-04	1.75E-04	1.75E-04	1.75E-04	1.75E-04	1.75E-04
CADMIUM	2.30E-04	1.20E-05	1.20E-05	2.30E-04	6.60E-05	9.30E-05	3.20E-05	1.20E-05	2.00E-04	2.00E-04	2.00E-04	2.00E-04	2.00E-04	2.00E-04	2.00E-04	2.00E-04	2.00E-04	2.00E-04
CHROMIUM	2.64E-03	2.95E-05	2.95E-05	7.15E-04	2.95E-05	2.95E-05	2.95E-05	2.95E-05	5.05E-04	5.05E-04	1.00E-03	5.05E-04	5.05E-04	9.53E-04	5.05E-04	1.75E-03	3.25E-03	9.53E-04
COPPER	2.92E-02	na	na	2.92E-02	na	1.97E-02	na	na	8.70E-04	8.70E-04	8.70E-04	8.70E-04	8.70E-04	8.70E-04	8.70E-04	8.70E-04	7.44E-03	8.70E-04
LEAD	1.87E-03	na	na	na	na	na	na	na	1.61E-03	8.25E-04	8.25E-04	1.36E-03	1.86E-03	1.71E-03	1.95E-03	8.25E-04	2.91E-03	8.25E-04
MERCURY	4.80E-05	5.00E-05	5.00E-05	5.00E-05	5.00E-05	5.00E-05	5.00E-05	5.00E-05	1.00E-05	1.00E-05	1.00E-05	1.00E-05	1.00E-05	1.00E-05	1.00E-05	1.00E-05	1.00E-05	1.50E-05
MOLYBDENUM	1.49E-03	na	na	na	na	na	na	na	1.00E-03	1.00E-03	1.00E-03	1.00E-03	1.65E-03	2.10E-03	1.00E-03	1.00E-03	1.00E-03	1.75E-03
NICKEL	3.24E-03	6.75E-03	1.75E-03	2.65E-03	1.90E-03	1.85E-03	1.95E-03	2.10E-03	2.10E-03	2.60E-03	2.85E-03	2.70E-03	2.15E-03	2.55E-03	2.45E-03	2.65E-03	4.13E-03	3.35E-03
SELENIUM	2.24E-03	7.50E-05	7.50E-04	1.60E-03	1.65E-03	1.95E-03	1.21E-03	9.60E-04	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03	2.90E-03	1.80E-03	1.80E-03	1.80E-03
SILVER	5.20E-04	2.50E-04	na	na	na	na	na	na	5.20E-04	5.20E-04	5.20E-04	5.20E-04	5.20E-04	5.20E-04	5.20E-04	5.20E-04	5.20E-04	5.20E-04
ZINC	1.48E-02	2.20E-02	na	1.20E-02	na	1.05E-02	na	na	1.10E-02	1.02E-02	1.08E-02	1.14E-02	1.40E-02	1.25E-02	1.36E-02	1.37E-02	1.85E-02	1.01E-02
BIS(2-ETHYLHEXYL)PHTHALATE	4.89E-03	1.40E-03	2.60E-03	3.50E-03	1.50E-03	3.80E-03	6.90E-03	3.00E-03	5.00E-03	5.00E-03	5.00E-03	5.00E-03	5.00E-03	5.00E-03	5.00E-03	5.00E-03	5.00E-03	5.00E-03
DI-N-BUTYL PHTHALATE	5.22E-03	5.50E-03	5.50E-03	1.50E-03	5.00E-03	5.50E-03	2.50E-03	5.50E-03	5.00E-03	5.00E-03	5.00E-03	5.00E-03	5.00E-03	5.00E-03	5.00E-03	5.00E-03	5.00E-03	5.00E-03
ACETONE	5.36E-03	5.70E-03	5.40E-03	5.00E-03	5.00E-03	5.00E-03	5.00E-03	5.00E-03	na	na	na	na	na	na	na	na	na	na
CARBON DISULFIDE	8.60E-03	2.50E-03	5.10E-03	6.80E-03	5.80E-03	8.60E-03	4.80E-03	2.50E-03	5.00E-04	5.00E-04	5.00E-04	5.00E-04	5.00E-04	5.00E-04	5.00E-04	7.00E-04	5.00E-04	5.00E-04
CHLOROFORM	2.27E-03	1.20E-03	2.50E-03	2.50E-03	2.50E-03	2.50E-03	2.50E-03	2.50E-03	5.00E-04	5.00E-04	5.00E-04	5.00E-04	5.00E-04	5.00E-04	5.00E-04	5.00E-04	5.00E-04	5.00E-04
METHYL TERT-BUTYL ETHER	2.09E-03	2.50E-03	2.50E-03	2.50E-03	2.50E-03	2.50E-03	2.50E-03	2.50E-03	1.00E-03	1.00E-03	1.00E-03	2.00E-03	1.00E-03	1.00E-03	2.00E-03	2.00E-03	1.00E-03	1.00E-03
TRICHLOROETHENE	2.40E-03	2.50E-03	2.50E-03	2.50E-03	2.50E-03	2.50E-03	2.50E-03	2.50E-03	5.00E-04	5.00E-04	3.00E-04	5.00E-04	5.00E-04	5.00E-04	5.00E-04	5.00E-04	5.00E-04	5.00E-04

Notes
"UCL" = Upper confidence limit on the mean (95% or higher) based on all results

The concentration values include assumed concentrations for COPCs that were not detected in a sample. these concentrations were assumed to equal 1/2 of the COPCs sample detection limit

Table 4-8

Risk Equations Sediment
LMC Middle River Complex
Recreational Use

Incidental Ingestion of Sediment

$$\text{Cancer Risk} = \frac{C_s \times IR_s \times EF \times ED \times CSF_o \times CF}{BW \times AT_c}$$

$$\text{Non-Cancer Risk} = \frac{C_s \times IR_s \times EF \times ED \times CF}{RfD_o \times BW \times AT_{nc}}$$

Where:

BW	=	Body Weight	kg
AT_{nc}	=	Averaging Time Non-Carcinogens	days
AT_c	=	Averaging Time Carcinogens	days
CSF_o	=	Oral Cancer Slope Factor	1/(mg/kg-day)
RfD_o	=	Oral Reference Dose - Chronic	mg/kg-day
C_s	=	Concentration in sediment	mg/kg
IR_s	=	Ingestion Rate	mg/day
EF	=	Exposure Frequency	days/year
ED	=	Exposure Duration	years
CF	=	Conversion Factor	kg/mg

Dermal Contact with Sediment

$$\text{Cancer Risk} = \frac{C_s \times SA \times AF \times ABS \times EF \times ED \times EV \times CSF_d \times CF}{BW \times AT_c}$$

$$\text{Non-Cancer Risk} = \frac{C_s \times SA \times AF \times ABS \times EF \times ED \times EV \times CF}{RfD_d \times BW \times AT_{nc}}$$

Where:

BW	=	Body Weight	kg
AT_{nc}	=	Averaging Time Non-Carcinogens	days
AT_c	=	Averaging Time Carcinogens	days
CSF_d	=	Dermal Cancer Slope Factor	1/(mg/kg-day)
RfD_d	=	Dermal Reference Dose - Chronic	mg/kg-day
C_s	=	Concentration in sediment	mg/kg
EF	=	Exposure Frequency	days/year
EV	=	Event Frequency	events/day
ED	=	Exposure Duration	years
CF	=	Conversion Factor	kg/mg
SA	=	Skin Surface Area Exposed	cm^2
AF	=	Adherance Factor	mg/cm^2-event
ABS	=	Dermal Absorption Factor	unitless

Table 4-9

Risk Equations Surface Water
LMC Middle River Complex
Recreational Use

Incidental Ingestion of Surface Water

$$\text{Cancer Risk} = \frac{C_w \times IR_w \times ET \times EF \times ED \times CSF_o \times CF}{BW \times AT_c}$$

$$\text{Non-Cancer Risk} = \frac{C_w \times IR_w \times ET \times EF \times ED \times CF}{RfD_o \times BW \times AT_{nc}}$$

Where:

BW	=	Body Weight	kg
AT_{nc}	=	Averaging Time Non-Carcinogens	days
AT_c	=	Averaging Time Carcinogens	days
CSF_o	=	Oral Cancer Slope Factor	1/(mg/kg-day)
RfD_o	=	Oral Reference Dose - Chronic	mg/kg-day
C_w	=	Concentration in surface water	mg/L
Irw	=	Ingestion Rate	L/hr
ET	=	Exposure Time	hr/day
EF	=	Exposure Frequency	days/year
ED	=	Exposure Duration	years
CF	=	Conversion Factor	L/mg

Dermal Contact with Surface Water

$$\text{Cancer Risk} = \frac{C_w \times SA \times K_p \times EF \times ED \times ET \times CSF_d \times CF}{BW \times AT_c}$$

$$\text{Non-Cancer Risk} = \frac{C_w \times SA \times K_p \times EF \times ED \times ET \times CF}{RfD_d \times BW \times AT_{nc}}$$

Where:

BW	=	Body Weight	kg
AT_{nc}	=	Averaging Time Non-Carcinogens	days
AT_c	=	Averaging Time Carcinogens	days
CSF_d	=	Dermal Cancer Slope Factor	1/(mg/kg-day)
RfD_d	=	Dermal Reference Dose - Chronic	mg/kg-day
C_w	=	Concentration in surface water	mg/L
EF	=	Exposure Frequency	days/year
ET	=	Exposure Time	hr/day
ED	=	Exposure Duration	years
CF	=	Conversion Factor	L/cm3
SA	=	Skin Surface Area Exposed	cm^2
K_p	=	Permeability Coefficient	cm/hr

Table 4-10

Exposure Factors Sediment
LMC Middle River Complex
Recreational Use

Exposure Pathway	Exposure Parameter	Symbol	Units	Adult Recreational	Ref	Youth Recreational	Ref	Child Recreational	Ref
General	Body Weight	BW	kg	70	a	40	b	15	b
	Averaging Time Non-Carcinogens	ATnc	days	ED x 365	a	ED x 365	a	ED x 365	a
	Averaging Time Carcinogens	ATc	days	25550	a	25550	a	25550	a
	Exposure Frequency	EF	days/year	70	d	70	b	70	d
	Exposure Duration	ED	years	30	a,b,d	12	b	6	a,b
Ingestion	Ingestion Rate	IRsed	mg/day	100	a,b	100	b	200	a,b
	Conversion Factor	CF	kg/mg	1.00E-06		1.00E-06		1.00E-06	
Dermal	Skin Surface Area Exposed	SA	cm2	5700	c	4320	b	2800	c
	Adherance Factor	AF	mg/cm2-event	7.00E-02	c	7.00E-02	b	2.00E-01	c
	Event Frequency	EV	events/day	1.00E+00	c	1.00E+00	b	1.00E+00	c
	Conversion Factor	CF	kg/mg	1.00E-06		1.00E-06		1.00E-06	

Notes:

a EPA, 1989 Risk Assessment Guidance for Superfund, Vol. 1, Part A

b MDE, 2001 Cleanup Standards for Soil and Groundwater

c EPA, 2003 Region 3 Technical Guidance Manual--Updated Dermal Exposure Assessment Guidance

d Assumed recreational use 70 days per year for 30 years total duration

Table 4-11

Exposure Factors Surface Water
LMC Middle River Complex
Recreational Use

Exposure Pathway	Exposure Parameter	Symbol	Units	Adult Recreational	Ref	Youth Recreational	Ref	Child Recreational	Ref
General	Body Weight	BW	kg	70	a	40	b	15	a, b
	Averaging Time Non-Carcinogens	ATnc	days	ED x 365	a	ED x 365	a	ED x 365	a
	Averaging Time Carcinogens	ATc	days	25550	a	25550	a	25550	a
	Exposure Frequency	EF	day/yr	70	c	70	c	70	c
	Exposure Duration	ED	yr	30	a,c	12	a	6	a
Ingestion	Ingestion Rate	IRsw	L/hr	0.05	a,b	0.05	b	0.05	a,b
	Exposure Time	ET	hr/day	2	a,b	2	b	2	a,b
Dermal	Skin Surface Area Exposed	SA	cm2	18000	d	13300	e	6600	d
	Conversion Factor	CF	L/cm3	0.001		0.001		0.001	

Notes:

a EPA, 1989 Risk Assessment Guidance for Superfund, Vol. 1, Part A

b MDE, 2001 Cleanup Standards for Soil and Groundwater

c Assumed recreational use 70 days per year for 30 years total duration

d EPA, 2004 Risk Assessment Guidance for Superfund, Vol. 1, Part E

e EPA, 1997 Exposure Factors Handbook Table 6-6, 50th Percentile, age >6 <18

Table 4-12

COPC Physical-Chemical Factors Sediment
LMC Middle River Complex
Recreational Use

Chemical	Dermal Absorption Factor	
	ABS	
	unitless	ref.
ANTIMONY	1%	a
ARSENIC	3%	b
CADMIUM	0.1%	b
CHROMIUM	1%	a
MERCURY	1%	a
THALLIUM	1%	a
BENZO(A)ANTHRACENE	13%	b
BENZO(A)PYRENE	13%	b
BENZO(B)FLUORANTHENE	13%	b
DIBENZO(A,H)ANTHRACENE	13%	b
INDENO(1,2,3-CD)PYRENE	13%	b
AROCLOR-1260	14%	b

Notes:

a EPA Region 3 (2003) Region 3 Technical Guidance Manual--Updated Dermal Exposure Assessment Guidance <http://www.epa.gov/reg3hwmd/risk/human/info/dermalag.htm>
b EPA (2004) Risk Assessment Guidance for Superfund (RAGS), Vol. I, Part E, Supplemental Guidance for Dermal Risk Assessment

Table 4-13

COPC Physical-Chemical Factors Surface Water
LMC Middle River Complex
Recreational Use

Chemical	permeability coefficient	
	K_p	
	cm/hr	ref.
ANTIMONY	1.00E-03	a
ARSENIC	1.00E-03	a
BARIUM	1.00E-03	a
BERYLLIUM	1.00E-03	a
CADMIUM	1.00E-03	a
CHROMIUM	1.00E-03	a
MERCURY	1.00E-03	a
MOLYBDENUM	1.00E-03	b
NICKEL	2.00E-04	a
SELENIUM	1.00E-03	a
SILVER	6.00E-04	a
ZINC	6.00E-04	a
BIS(2-ETHYLHEXYL)PHTHALATE	1.97E+00	b
DI-N-BUTYL PHTHALATE	2.40E-02	a
ACETONE	5.69E-04	b
CARBON DISULFIDE	1.70E-02	a
CHLOROFORM	6.80E-03	a
METHYL TERT-BUTYL ETHER	2.57E-03	b
TRICHLOROETHENE	1.20E-02	a

Notes:

a EPA (2004) Risk Assessment Guidance for Superfund (RAGS), Vol. I, Part E, Supplemental Guidance for Dermal Risk Assessment

b Oak Ridge National Laboratory (ORNL) Risk Assessment Information System (RAIS) <http://risk.lsd.ornl.gov>

Table 4-14

COPC Toxicity Factors Sediment
LMC Middle River Complex
Recreational Use

Chemical	Oral Reference Dose - Chronic		Oral Cancer Slope Factor		Adjustment factor for dermal toxicity		Dermal Reference Dose - Chronic		Dermal Cancer Slope Factor	
	RfD_o		CSF_o		ABS_{gi}		RfD_d		CSF_d	
	mg/kg-day		1/(mg/kg-day)		unitless		mg/kg-day		1/(mg/kg-day)	
ANTIMONY	4.00E-04	a	-		15%	b	6.00E-05	c	-	
ARSENIC	3.00E-04	a	1.50E+00	a	na	b	3.00E-04	c	1.50E+00	d
CADMIUM	5.00E-04	a	-		2.5%	b	1.25E-05	c	-	
CHROMIUM	2.08E-02	e	-		1.3%	b	2.70E-04	c	-	
MERCURY	1.00E-04	a	-		na	b	1.00E-04	c	-	
THALLIUM	7.00E-05	a	-		na	b	7.00E-05	c	-	
BENZO(A)ANTHRACENE	-		7.30E-01	a	na	b	-		7.30E-01	d
BENZO(A)PYRENE	-		7.30E+00	a	na	b	-		7.30E+00	d
BENZO(B)FLUORANTHENE	-		7.30E-01	a	na	b	-		7.30E-01	d
DIBENZO(A,H)ANTHRACENE	-		7.30E+00	a	na	b	-		7.30E+00	d
INDENO(1,2,3-CD)PYRENE	-		7.30E-01	a	na	b	-		7.30E-01	d
AROCLOR-1260	-		2.00E+00	a	na	b	-		2.00E+00	d

Notes:

a EPA (2005) Region 3 RBC Table <http://www.epa.gov/reg3hwmd/risk/human/index.htm>

b EPA (2004) Risk Assessment Guidance for Superfund (RAGS), Vol. I, Part E, Supplemental Guidance for Dermal Risk Assessment

c Used Oral RfD, adjusted as necessary by dermal adjustment factor using the formula RfDd = RfDo x ABSGI (in accordance with EPA, 2004 RAGS E & EPA Region 3 Guidance)

d Used Oral SF, adjusted as necessary by dermal adjustment factor using the formula SFd = SFo / ABSGI (in accordance with EPA, 2004 RAGS E & EPA Region 3 Guidance)

na = no adjustment recommended by EPA RAGS E/ EPA R3

e Toxicity factors for chromium are based on EPA Region 3 toxicity factors for trivalent chromium and hexavalent chromium assuming a 6:1 ratio (CrIII:CrVI) exists in soils

Table 4-15

COPC Toxicity Factors Surface Water
LMC Middle River Complex
Recreational Use

Chemical	Oral Reference Dose - Chronic		Oral Cancer Slope Factor		Adjustment factor for dermal toxicity		Dermal Reference Dose Chronic		Dermal Cancer Slope Factor	
	RfD_o		CSF_o		ABS_{gi}		RfD_d		CSF_d	
	mg/kg-day		1/(mg/kg-day)		unitless		mg/kg-day		1/(mg/kg-day)	
ANTIMONY	4.00E-04	a	-		15%	b	6.00E-05	c	-	
ARSENIC	3.00E-04	a	1.50E+00	a	na	b	3.00E-04	c	1.50E+00	f
BARIUM	2.00E-01	a	-		7.0%	b	1.40E-02	c	-	
BERYLLIUM	2.00E-03	a	-		0.7%	b	1.40E-05	c	-	
CADMIUM	5.00E-04	e	-		2.5%	b	1.25E-05	c	-	
CHROMIUM	2.08E-02	a	-		1.3%	b	2.70E-04	c	-	
MERCURY	1.00E-04	a,f	-		na	b	1.00E-04	c	-	
MOLYBDENUM	5.00E-03	a	-		na	b	5.00E-03	c	-	
NICKEL	2.00E-02	a	-		4.0%	b	8.00E-04	c	-	
SELENIUM	5.00E-03	a	-		na	b	5.00E-03	c	-	
SILVER	5.00E-03	a	-		4.0%	b	2.00E-04	c	-	
ZINC	3.00E-01	a	-	a	na	b	3.00E-01	c	-	
BIS(2-ETHYLHEXYL)PHTHALAT	2.00E-02	a	1.40E-02	a	na	b	2.00E-02	c	1.40E-02	d
DI-N-BUTYL PHTHALATE	1.00E-01	a	-	a	na	b	1.00E-01	c	-	
ACETONE	9.00E-01	a	-	d	na	b	9.00E-01	c	-	
CARBON DISULFIDE	1.00E-01	a	-	a	na	b	1.00E-01	c	-	
CHLOROFORM	1.00E-02	a	-	a	na	b	1.00E-02	c	-	
METHYL TERT-BUTYL ETHER	-		4.00E-03	a	na	b	-		4.00E-03	d
TRICHLOROETHENE	3.00E-04	a	4.00E-01	a	na	b	3.00E-04	c	4.00E-01	d

Notes:

a EPA (2005) Region 3 RBC Table <http://www.epa.gov/reg3hwmd/risk/human/index.htm>

b EPA (2004) Risk Assessment Guidance for Superfund (RAGS), Vol. I, Part E, Supplemental Guidance for Dermal Risk Assessment

c Used Oral RfD, adjusted as necessary by dermal adjustment factor using the formula RfDd = RfDo x ABSGI (in accordance with EPA, 2004 RAGS E & EPA Region 3 Guidance)

d Used Oral SF, adjusted as necessary by dermal adjustment factor using the formula SFd = SFo / ABSGI (in accordance with EPA, 2004 RAGS E & EPA Region 3 Guidance)

na = no adjustment recommended by EPA RAGS E/ EPA R3

e Toxicity factors for chromium are based on EPA Region 3 toxicity factors for trivalent chromium and hexavalent chromium assuming a 6:1 ratio (CrIII:CrVI) exists in soils

f mercury assumed presnt in either elemental or methymercury form - toxicty factor assigned reflects the most toxic of the two forms

Table 4-16

Cancer and Non-Cancer Risks
Surface Sediment
LMC Middle River Complex
Recreational Use

Medium: Sediment
Receptor: Child-Youth-Adult Recreational
Depth Range: Surface

			Total Cancer Risk:		**1.5E-05**	Total Non-Cancer Hazard:		**6.8E-01**
Exposure Route	Chemical of Potential Concern	Exposure Point Concentration (UCL) mg/Kg	Intake (Cancer) mg/kg-day	Slope Factor (SF) 1/(mg/kg-day)	Cancer Risk (SF x Intake)	Intake (Non-Cancer) mg/kg-day	Reference Dose (Rfd) mg/kg-day	Hazard Quotient (Intake/Rfd) Unitless
Dermal	ANTIMONY	1.52E+00	1.6E-08	-	-	1.1E-07	6.0E-05	1.81E-03
	ARSENIC	8.63E+00	2.7E-07	1.5E+00	4.08E-07	1.9E-06	3.0E-04	6.18E-03
	CADMIUM	2.31E+01	2.4E-08	-	-	1.7E-07	1.3E-05	1.32E-02
	CHROMIUM	2.44E+02	2.6E-06	-	-	1.7E-05	2.7E-04	6.47E-02
	MERCURY	7.97E-01	8.4E-09	-	-	5.7E-08	1.0E-04	5.71E-04
	THALLIUM	9.76E-01	1.0E-08	-	-	7.0E-08	7.0E-05	9.98E-04
	VANADIUM	5.69E+01	6.0E-07	-	-	4.1E-06	2.6E-05	1.57E-01
	BENZO(A)ANTHRACENE	8.55E-01	1.2E-07	7.3E-01	8.51E-08	8.0E-07	-	-
	BENZO(A)PYRENE	8.16E-01	1.1E-07	7.3E+00	8.13E-07	7.6E-07	-	-
	BENZO(B)FLUORANTHENE	1.21E+00	1.7E-07	7.3E-01	1.21E-07	1.1E-06	-	-
	DIBENZO(A,H)ANTHRACENE	5.66E-01	7.7E-08	7.3E+00	5.64E-07	5.3E-07	-	-
	INDENO(1,2,3-CD)PYRENE	1.02E+00	1.4E-07	7.3E-01	1.02E-07	9.5E-07	-	-
	AROCLOR-1260	3.80E+00	5.6E-07	2.0E+00	1.12E-06	3.8E-06	-	-
(Total)					**3.21E-06**			**2.44E-01**
Ingestion	ANTIMONY	1.52E+00	5.3E-07	-	-	3.9E-06	4.0E-04	9.69E-03
	ARSENIC	8.63E+00	3.0E-06	1.5E+00	4.51E-06	2.2E-05	3.0E-04	7.36E-02
	CADMIUM	2.31E+01	8.0E-06	-	-	5.9E-05	5.0E-04	1.18E-01
	CHROMIUM	2.44E+02	8.5E-05	-	-	6.2E-04	2.1E-02	3.01E-02
	MERCURY	7.97E-01	2.8E-07	-	-	2.0E-06	1.0E-04	2.04E-02
	THALLIUM	9.76E-01	3.4E-07	-	-	2.5E-06	7.0E-05	3.56E-02
	VANADIUM	5.69E+01	2.0E-05	-	-	1.5E-04	1.0E-03	1.45E-01
	BENZO(A)ANTHRACENE	8.55E-01	3.0E-07	7.3E-01	2.17E-07	2.2E-06	-	-
	BENZO(A)PYRENE	8.16E-01	2.8E-07	7.3E+00	2.08E-06	2.1E-06	-	-
	BENZO(B)FLUORANTHENE	1.21E+00	4.2E-07	7.3E-01	3.09E-07	3.1E-06	-	-
	DIBENZO(A,H)ANTHRACENE	5.66E-01	2.0E-07	7.3E+00	1.44E-06	1.4E-06	-	-
	INDENO(1,2,3-CD)PYRENE	1.02E+00	3.6E-07	7.3E-01	2.60E-07	2.6E-06	-	-
	AROCLOR-1260	3.80E+00	1.3E-06	2.0E+00	2.64E-06	9.7E-06	-	-
(Total)					**1.15E-05**			**4.33E-01**

Note: cancer risks for combined child-youth-adult exposure; non-cancer risks are those for the child only

Table 4-17

Cancer and Non-Cancer Risks
Surface and Subsurface Sediment
LMC Middle River Complex
Recreational Use

Medium: Sediment
Receptor: Child-Youth-Adult Recreational
Depth Range: All Depths (surface, 1ft, 2ft)

			Total Cancer Risk:		**1.8E-05**	Total Non-Cancer Hazard:		**7.8E-01**
Exposure Route	Chemical of Potential Concern	Exposure Point Concentration (UCL) mg/Kg	Intake (Cancer) mg/kg-day	Slope Factor (SF) 1/(mg/kg-day)	Cancer Risk (SF x Intake)	Intake (Non-Cancer) mg/kg-day	Reference Dose (Rfd) mg/kg-day	Hazard Quotient (Intake/Rfd) Unitless
Dermal	ANTIMONY	1.11E+00	1.2E-08	-	-	7.9E-08	6.0E-05	1.32E-03
	ARSENIC	7.64E+00	2.4E-07	1.5E+00	3.61E-07	1.6E-06	3.0E-04	5.47E-03
	CADMIUM	3.19E+01	3.3E-08	-	-	2.3E-07	1.3E-05	1.83E-02
	CHROMIUM	3.71E+02	3.9E-06	-	-	2.7E-05	2.7E-04	9.86E-02
	MERCURY	1.48E+00	1.5E-08	-	-	1.1E-07	1.0E-04	1.06E-03
	THALLIUM	7.99E-01	8.4E-09	-	-	5.7E-08	7.0E-05	8.17E-04
	VANADIUM	5.69E+01	6.0E-07	-	-	4.1E-06	2.6E-05	1.57E-01
	BENZO(A)ANTHRACENE	1.90E+00	2.6E-07	7.3E-01	1.90E-07	1.8E-06	-	-
	BENZO(A)PYRENE	1.84E+00	2.5E-07	7.3E+00	1.83E-06	1.7E-06	-	-
	BENZO(B)FLUORANTHENE	2.55E+00	3.5E-07	7.3E-01	2.54E-07	2.4E-06	-	-
	DIBENZO(A,H)ANTHRACENE	5.49E-01	7.5E-08	7.3E+00	5.46E-07	5.1E-07	-	-
	INDENO(1,2,3-CD)PYRENE	1.44E+00	2.0E-07	7.3E-01	1.43E-07	1.3E-06	-	-
	AROCLOR-1260	3.40E+00	5.0E-07	2.0E+00	9.99E-07	3.4E-06	-	-
(Total)					**4.33E-06**			**2.82E-01**
Ingestion	ANTIMONY	1.11E+00	3.9E-07	-	-	2.8E-06	4.0E-04	7.07E-03
	ARSENIC	7.64E+00	2.7E-06	1.5E+00	3.99E-06	2.0E-05	3.0E-04	6.51E-02
	CADMIUM	3.19E+01	1.1E-05	-	-	8.2E-05	5.0E-04	1.63E-01
	CHROMIUM	3.71E+02	1.3E-04	-	-	9.5E-04	2.1E-02	4.58E-02
	MERCURY	1.48E+00	5.1E-07	-	-	3.8E-06	1.0E-04	3.77E-02
	THALLIUM	7.99E-01	2.8E-07	-	-	2.0E-06	7.0E-05	2.92E-02
	VANADIUM	5.69E+01	2.0E-05	-	-	1.5E-04	1.0E-03	1.46E-01
	BENZO(A)ANTHRACENE	1.90E+00	6.6E-07	7.3E-01	4.84E-07	4.9E-06	-	-
	BENZO(A)PYRENE	1.84E+00	6.4E-07	7.3E+00	4.68E-06	4.7E-06	-	-
	BENZO(B)FLUORANTHENE	2.55E+00	8.9E-07	7.3E-01	6.48E-07	6.5E-06	-	-
	DIBENZO(A,H)ANTHRACENE	5.49E-01	1.9E-07	7.3E+00	1.39E-06	1.4E-06	-	-
	INDENO(1,2,3-CD)PYRENE	1.44E+00	5.0E-07	7.3E-01	3.65E-07	3.7E-06	-	-
	AROCLOR-1260	3.40E+00	1.2E-06	2.0E+00	2.37E-06	8.7E-06	-	-
(Total)					**1.39E-05**			**4.94E-01**

Table 4-18

Total Cancer Risk - Child-
Youth-Adult Recreational

Surface Sediment

	Location:	UCL	SD-1	SD-2	SD-3	SD-4	SD-5	SD-6	SD-7	SD-8	SD-9	SD-10	SD-11	SD-12	SD-13	SD-14
Chemical	**Type**	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
ANTIMONY	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ARSENIC	M	4.9E-06	1.5E-06	3.2E-06	1.2E-06	1.9E-06	2.6E-06	2.7E-06	2.4E-06	3.4E-06	6.6E-06	5.4E-06	3.0E-06	5.5E-06	5.1E-06	2.3E-06
CADMIUM	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CHROMIUM	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERCURY	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
THALLIUM	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VANADIUM	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BENZO(A)ANTHRACENE	OS	3.0E-07	2.3E-07	5.0E-08	1.5E-07	2.7E-07	4.2E-07	1.6E-07	5.0E-08	2.1E-07	2.8E-07	4.6E-07	1.1E-07	3.9E-07	7.1E-07	3.9E-07
BENZO(A)PYRENE	OS	2.9E-06	1.9E-06	5.0E-07	1.5E-06	2.2E-06	3.5E-06	1.6E-06	5.3E-07	1.8E-06	2.9E-06	3.9E-06	1.1E-06	3.9E-06	8.8E-06	2.8E-06
BENZO(B)FLUORANTHENE	OS	4.3E-07	2.8E-07	6.4E-08	1.9E-07	2.5E-07	5.3E-07	1.7E-07	7.1E-08	2.8E-07	5.7E-07	5.0E-07	1.1E-07	5.7E-07	1.3E-06	5.0E-07
DIBENZO(A,H)ANTHRACENE	OS	2.0E-06	7.3E-07	1.4E-06	6.9E-07	8.1E-07	1.2E-06	1.4E-06	1.2E-06	1.2E-06	5.7E-07	1.7E-06	1.1E-06	1.9E-06	2.3E-06	7.6E-07
INDENO(1,2,3-CD)PYRENE	OS	3.6E-07	9.9E-08	1.4E-07	8.8E-08	1.2E-07	2.2E-07	1.0E-07	3.4E-08	9.9E-08	2.0E-07	2.2E-07	1.1E-07	2.3E-07	7.1E-07	1.6E-07
AROCLOR-1260	PEST/PCB	3.8E-06	2.0E-08	1.6E-07	5.3E-08	2.3E-08	4.2E-07	5.3E-07	1.1E-07	3.7E-07	5.3E-05	1.3E-06	1.4E-06	1.8E-06	1.4E-06	4.8E-07
	Total:	**1.5E-05**	**4.7E-06**	**5.6E-06**	**3.8E-06**	**5.6E-06**	**9.0E-06**	**6.7E-06**	**4.4E-06**	**7.3E-06**	**6.5E-05**	**1.3E-05**	**6.8E-06**	**1.4E-05**	**2.0E-05**	**7.4E-06**

Notes:
M = metal; OS = semi-volatile organic, OV = volatile organic,
PEST/PCB = Pesticide or PCB

"-" = no available potency factor for the risk endpoint considered

"na" = no available data in database (not analyzed for/data rejected/data gap) OR chemical not detected in Parcel

Table 4-18

Total Cancer Risk - Child-Youth-Adult Recreational

Surface Sediment

	Location:	SD-15	SD-16	SD-17	SD-18	SD-19	SD-20	SD-21	SD-22	SD-23	SD-24	SD-25	SD-26	SD-27	SD-28	SD-29
Chemical	**Type**	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
ANTIMONY	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ARSENIC	M	6.0E-06	5.5E-06	6.8E-06	6.4E-06	4.7E-06	5.8E-06	5.4E-06	6.4E-06	6.3E-06	2.2E-06	2.9E-06	6.3E-06	4.2E-06	4.8E-06	4.7E-06
CADMIUM	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CHROMIUM	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERCURY	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
THALLIUM	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VANADIUM	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BENZO(A)ANTHRACENE	OS	3.5E-07	1.7E-07	1.8E-07	1.3E-07	2.7E-07	1.3E-07	1.2E-07	1.4E-07	1.2E-07	1.3E-07	1.2E-07	1.2E-07	3.5E-07	1.8E-06	1.5E-07
BENZO(A)PYRENE	OS	4.2E-06	1.9E-06	2.3E-06	1.9E-06	3.4E-06	1.5E-06	1.8E-06	2.1E-06	1.7E-06	1.2E-06	1.3E-06	1.6E-06	3.5E-06	1.6E-05	1.7E-06
BENZO(B)FLUORANTHENE	OS	6.4E-07	2.9E-07	3.9E-07	3.3E-07	5.0E-07	2.6E-07	2.8E-07	3.5E-07	2.9E-07	2.0E-07	2.0E-07	2.8E-07	5.0E-07	2.1E-06	2.3E-07
DIBENZO(A,H)ANTHRACENE	OS	2.3E-06	2.5E-06	2.3E-06	2.7E-06	1.9E-06	2.7E-06	2.3E-06	2.5E-06	2.5E-06	8.5E-07	1.4E-06	2.7E-06	1.7E-06	2.1E-06	1.7E-06
INDENO(1,2,3-CD)PYRENE	OS	3.0E-07	2.5E-07	2.3E-07	2.7E-07	2.1E-07	2.7E-07	2.3E-07	2.5E-07	2.5E-07	8.5E-08	1.1E-07	2.7E-07	2.6E-07	1.2E-06	1.7E-07
AROCLOR-1260	PEST/PCB	1.3E-06	1.4E-06	1.1E-06	7.7E-07	2.8E-06	1.1E-06	5.5E-07	2.0E-06	7.4E-07	1.9E-07	1.3E-06	1.5E-06	2.0E-05	7.8E-07	2.5E-06
	Total:	**1.5E-05**	**1.2E-05**	**1.3E-05**	**1.3E-05**	**1.4E-05**	**1.2E-05**	**1.1E-05**	**1.4E-05**	**1.2E-05**	**4.9E-06**	**7.3E-06**	**1.3E-05**	**3.0E-05**	**2.8E-05**	**1.1E-05**

Notes:
M = metal; OS = semi-volatile organic; OV = volatile organic; PEST/PCB = Pesticide or PCB

"-" = no available potency factor for the risk endpoint considered

"na" = no available data in database (not analyzed for/data rejected/data gap) OR chemical not detected in Parcel

Table 4-18

Total Cancer Risk - Child-
Youth-Adult Recreational

Surface Sediment

	Location:	SD-30	SD-31	SD-32	SD-33	SD-34	SD-35	SD-36	SD-37	SD-38	SD-39	SD-40	SD-41	SD-42
Chemical	**Type**	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
ANTIMONY	M	-	-	-	-	-	-	-	-	-	-	-	-	-
ARSENIC	M	5.8E-06	3.5E-06	6.9E-06	5.9E-06	3.8E-06	6.8E-06	5.5E-06	4.8E-06	5.5E-06	4.2E-06	4.9E-06	3.4E-06	2.4E-06
CADMIUM	M	-	-	-	-	-	-	-	-	-	-	-	-	-
CHROMIUM	M	-	-	-	-	-	-	-	-	-	-	-	-	-
MERCURY	M	-	-	-	-	-	-	-	-	-	-	-	-	-
THALLIUM	M	-	-	-	-	-	-	-	-	-	-	-	-	-
VANADIUM	M	-	-	-	-	-	-	-	-	-	-	-	-	-
BENZO(A)ANTHRACENE	OS	1.1E-07	1.5E-07	2.8E-07	2.3E-07	9.2E-08	2.1E-07	2.1E-07	1.1E-07	2.8E-07	1.9E-07	1.2E-07	na	na
BENZO(A)PYRENE	OS	1.3E-06	1.5E-06	8.5E-07	2.3E-06	1.2E-06	6.0E-07	7.1E-07	1.5E-06	8.8E-07	7.1E-07	1.3E-06	na	na
BENZO(B)FLUORANTHENE	OS	2.5E-07	1.5E-07	1.4E-07	1.0E-07	1.8E-07	1.1E-07	1.3E-07	2.1E-07	1.6E-07	1.2E-07	2.0E-07	na	na
DIBENZO(A,H)ANTHRACENE	OS	2.3E-06	1.5E-06	2.8E-06	2.3E-06	1.5E-06	2.1E-06	2.1E-06	2.5E-06	2.8E-06	1.9E-06	2.1E-06	na	na
INDENO(1,2,3-CD)PYRENE	OS	2.3E-07	1.5E-07	2.8E-07	2.3E-07	1.5E-07	2.1E-07	2.1E-07	2.5E-07	2.8E-07	1.9E-07	2.1E-07	na	na
AROCLOR-1260	PEST/PCB	1.4E-06	1.7E-07	6.1E-07	7.1E-07	2.9E-07	3.7E-07	4.3E-07	2.4E-07	2.1E-07	1.9E-07	3.6E-07	na	na
	Total:	**1.1E-05**	**7.2E-06**	**1.2E-05**	**1.2E-05**	**7.3E-06**	**1.0E-05**	**9.3E-06**	**9.6E-06**	**1.0E-05**	**7.6E-06**	**9.3E-06**	**3.4E-06**	**2.4E-06**

Notes:
M = metal; OS = semi-volatile organic; OV = volatile organic;
PEST/PCB = Pesticide or PCB

"-" = no available potency factor for the risk endpoint considered

"na" = no available data in database (not analyzed for/data rejected/data gap) OR chemical not detected in Parcel

Table 4-19

Total Non-Cancer Risk - Child-Youth-Adult Recreational

Surface Sediment

	Location:	UCL	SD-1	SD-2	SD-3	SD-4	SD-5	SD-6	SD-7	SD-8	SD-9	SD-10	SD-11	SD-12	SD-13	SD-14
Chemical	**Type**	**Sediment**	**Sediment**	**Sediment**	**Sediment**	**Sediment**	**Sediment**	**Sediment**	**Sediment**	**Sediment**	**Sediment**	**Sediment**	**Sediment**	**Sediment**	**Sediment**	**Sediment**
ANTIMONY	M	1.1E-02	na	na	na	3.5E-02	na	na	na	na	na	na	na	na	4.1E-03	7.3E-03
ARSENIC	M	8.0E-02	2.4E-02	5.3E-02	1.9E-02	3.0E-02	4.3E-02	4.4E-02	4.0E-02	5.5E-02	1.1E-01	8.7E-02	4.9E-02	9.0E-02	8.3E-02	3.7E-02
CADMIUM	M	1.3E-01	2.7E-03	4.5E-02	2.4E-03	1.2E-01	1.2E-01	2.0E-01	3.2E-02	2.8E-02	3.5E-02	2.8E-02	2.0E-02	3.4E-02	3.4E-02	2.0E-02
CHROMIUM	M	9.5E-02	3.5E-02	5.4E-02	4.0E-02	4.4E-02	7.9E-02	1.5E-01	3.0E-02	3.5E-02	4.0E-02	3.4E-02	2.3E-02	4.1E-02	4.8E-02	2.9E-02
MERCURY	M	2.1E-02	1.9E-02	8.9E-03	2.1E-04	7.1E-04	2.6E-03	8.4E-03	2.2E-03	4.5E-03	7.9E-03	7.1E-03	5.5E-03	9.2E-03	1.3E-02	8.9E-03
THALLIUM	M	3.7E-02	5.4E-03	1.1E-02	5.3E-03	1.2E-02	7.9E-03	9.6E-03	8.6E-03	na	1.3E-02	1.3E-02	8.3E-03	1.4E-02	3.1E-02	1.2E-02
VANADIUM	M	3.0E-01	na	na	na	na	na	na	na	na	na	na	na	na	2.9E-01	7.9E-02
BENZO(A)ANTHRACENE	OS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BENZO(A)PYRENE	OS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BENZO(B)FLUORANTHENE	OS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIBENZO(A,H)ANTHRACENE	OS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
INDENO(1,2,3-CD)PYRENE	OS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AROCLOR-1260	PEST/PCB	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total:	**6.8E-01**	**8.6E-02**	**1.7E-01**	**6.7E-02**	**2.4E-01**	**2.5E-01**	**4.1E-01**	**1.1E-01**	**1.2E-01**	**2.0E-01**	**1.7E-01**	**1.1E-01**	**1.9E-01**	**5.0E-01**	**1.9E-01**

Notes:
M = metal; OS = semi-volatile organic; OV = volatile organic; PEST/PCB = Pesticide or PCB

"-" = no available potency factor for the risk endpoint considered

"na" = no available data in database (not analyzed for/data rejected/data gap) OR chemical not detected in Parcel

Table 4-19

Total Non-Cancer Risk - Child-Youth-Adult Recreational

Surface Sediment

	Location:	SD-15	SD-16	SD-17	SD-18	SD-19	SD-20	SD-21	SD-22	SD-23	SD-24	SD-25	SD-26	SD-27	SD-28	SD-29
Chemical	**Type**	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
ANTIMONY	M	1.4E-02	5.0E-03	1.1E-02	1.3E-02	4.1E-03	1.1E-02	5.1E-03	5.1E-03	4.7E-03	1.6E-03	2.7E-03	1.1E-02	9.1E-03	4.7E-03	4.1E-03
ARSENIC	M	9.7E-02	8.9E-02	1.1E-01	1.0E-01	7.6E-02	9.4E-02	8.7E-02	1.0E-01	1.0E-01	3.5E-02	4.7E-02	1.0E-01	6.8E-02	7.8E-02	7.7E-02
CADMIUM	M	2.7E-02	2.9E-02	2.6E-02	2.6E-02	4.1E-02	3.1E-02	1.9E-02	3.0E-02	3.0E-02	9.1E-03	2.4E-02	3.2E-02	1.3E-01	2.2E-01	5.9E-02
CHROMIUM	M	4.7E-02	4.9E-02	4.9E-02	5.1E-02	5.2E-02	5.4E-02	3.8E-02	6.1E-02	6.0E-02	1.3E-02	2.5E-02	6.6E-02	1.8E-01	2.6E-01	9.8E-02
MERCURY	M	1.2E-02	1.1E-02	1.0E-02	1.1E-02	1.1E-02	1.2E-02	8.7E-03	1.1E-02	1.1E-02	2.6E-03	6.0E-03	1.4E-02	1.8E-02	2.6E-02	2.2E-02
THALLIUM	M	3.6E-02	7.9E-02	4.2E-02	4.0E-02	3.0E-02	3.6E-02	3.8E-02	3.8E-02	3.5E-02	1.2E-02	2.0E-02	4.1E-02	na	3.4E-02	3.1E-02
VANADIUM	M	3.1E-01	2.8E-01	3.3E-01	3.0E-01	3.0E-01	3.0E-01	2.3E-01	3.3E-01	3.0E-01	1.1E-01	1.3E-01	2.9E-01	3.4E-01	6.4E-01	3.7E-01
BENZO(A)ANTHRACENE	OS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BENZO(A)PYRENE	OS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BENZO(B)FLUORANTHENE	OS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIBENZO(A,H)ANTHRACENE	OS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
INDENO(1,2,3-CD)PYRENE	OS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AROCLOR-1260	PEST/PCB	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total:	**5.4E-01**	**5.4E-01**	**5.7E-01**	**5.5E-01**	**5.1E-01**	**5.3E-01**	**4.3E-01**	**5.7E-01**	**5.4E-01**	**1.8E-01**	**2.5E-01**	**5.6E-01**	**7.5E-01**	**1.3E+00**	**6.6E-01**

Notes:
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Table 4-19

Total Non-Cancer Risk - Child-
Youth-Adult Recreational

Surface Sediment

	Location:	SD-30	SD-31	SD-32	SD-33	SD-34	SD-35	SD-36	SD-37	SD-38	SD-39	SD-40	SD-41	SD-42
Chemical	**Type**	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
ANTIMONY	M	4.7E-03	2.8E-03	6.6E-03	5.3E-03	2.7E-03	4.4E-03	4.7E-03	5.3E-03	4.8E-03	3.3E-03	4.6E-03	3.4E-03	3.3E-03
ARSENIC	M	9.3E-02	5.7E-02	1.1E-01	9.5E-02	6.2E-02	1.1E-01	8.9E-02	7.9E-02	9.0E-02	6.8E-02	7.9E-02	5.5E-02	3.9E-02
CADMIUM	M	2.2E-02	2.1E-03	1.7E-02	2.2E-02	2.1E-02	2.4E-02	2.7E-02	2.4E-02	3.1E-02	3.0E-02	1.4E-01	6.0E-02	1.9E-01
CHROMIUM	M	5.4E-02	1.8E-02	5.9E-02	6.0E-02	4.1E-02	6.7E-02	5.9E-02	4.4E-02	6.1E-02	4.9E-02	1.4E-01	6.7E-02	1.4E-01
MERCURY	M	9.2E-02	5.0E-03	1.4E-02	1.3E-02	8.9E-03	1.3E-02	8.9E-03	6.8E-03	9.5E-03	1.0E-02	1.4E-02	9.2E-03	7.6E-03
THALLIUM	M	3.5E-02	2.1E-02	na	3.9E-02	2.0E-02	3.3E-02	3.5E-02	4.0E-02	na	2.4E-02	3.4E-02	2.5E-02	2.5E-02
VANADIUM	M	2.8E-01	2.0E-01	3.3E-01	3.0E-01	1.9E-01	3.3E-01	2.6E-01	2.0E-01	2.6E-01	1.6E-01	3.3E-01	1.8E-01	1.8E-01
BENZO(A)ANTHRACENE	OS	-	-	-	-	-	-	-	-	-	-	-	-	-
BENZO(A)PYRENE	OS	-	-	-	-	-	-	-	-	-	-	-	-	-
BENZO(B)FLUORANTHENE	OS	-	-	-	-	-	-	-	-	-	-	-	-	-
DIBENZO(A,H)ANTHRACENE	OS	-	-	-	-	-	-	-	-	-	-	-	-	-
INDENO(1,2,3-CD)PYRENE	OS	-	-	-	-	-	-	-	-	-	-	-	-	-
AROCLOR-1260	PEST/PCB	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total:	**6.8E-01**	**3.1E-01**	**6.4E-01**	**6.3E-01**	**3.4E-01**	**6.8E-01**	**4.8E-01**	**4.0E-01**	**4.6E-01**	**3.5E-01**	**7.4E-01**	**4.0E-01**	**6.8E-01**

Notes:
M = metal, OS = semi-volatile organic; OV = volatile organic;
PEST/PCB = Pesticide or PCB

"-" = no available potency factor for the risk endpoint considered

"na" = no available data in database (not analyzed for/data rejected/data gap) OR chemical not detected in Parcel

Table 4-20

Cancer Risk - Ingestion - Child-Youth-Adult Recreational

Surface Sediment

	Location:	UCL	SD-1	SD-2	SD-3	SD-4	SD-5	SD-6	SD-7	SD-8	SD-9	SD-10	SD-11	SD-12	SD-13	SD-14
Chemical	**Type**	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
ANTIMONY	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ARSENIC	M	4.5E-06	1.4E-06	3.0E-06	1.1E-06	1.7E-06	2.4E-06	2.5E-06	2.2E-06	3.1E-06	6.1E-06	4.9E-06	2.8E-06	5.1E-06	4.7E-06	2.1E-06
CADMIUM	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CHROMIUM	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERCURY	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
THALLIUM	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VANADIUM	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BENZO(A)ANTHRACENE	OS	2.2E-07	1.7E-07	3.6E-08	1.0E-07	1.9E-07	3.1E-07	1.1E-07	3.6E-08	1.5E-07	2.0E-07	3.3E-07	7.6E-08	2.8E-07	5.1E-07	2.8E-07
BENZO(A)PYRENE	OS	2.1E-06	1.3E-06	3.6E-07	1.1E-06	1.6E-06	2.5E-06	1.1E-06	3.8E-07	1.3E-06	2.1E-06	2.8E-06	7.6E-07	2.8E-06	6.4E-06	2.0E-06
BENZO(B)FLUORANTHENE	OS	3.1E-07	2.0E-07	4.6E-08	1.3E-07	1.8E-07	3.8E-07	1.2E-07	5.1E-08	2.0E-07	4.1E-07	3.6E-07	7.6E-08	4.1E-07	9.4E-07	3.6E-07
DIBENZO(A,H)ANTHRACENE	OS	1.4E-06	5.2E-07	1.0E-06	5.0E-07	5.8E-07	8.6E-07	1.0E-06	8.6E-07	8.5E-07	4.1E-07	1.2E-06	7.6E-07	1.4E-06	1.7E-06	5.5E-07
INDENO(1,2,3-CD)PYRENE	OS	2.6E-07	7.1E-08	1.0E-07	6.4E-08	8.4E-08	1.6E-07	7.4E-08	2.4E-08	7.1E-08	1.4E-07	1.6E-07	7.6E-08	1.7E-07	5.1E-07	1.2E-07
AROCLOR-1260	PEST/PCB	2.6E-06	1.4E-08	1.1E-07	3.7E-08	1.6E-08	2.9E-07	3.8E-07	7.7E-08	2.6E-07	3.8E-05	9.1E-07	9.8E-07	1.3E-06	9.8E-07	3.3E-07
	Total:	**1.1E-05**	**3.7E-06**	**4.6E-06**	**3.0E-06**	**4.4E-06**	**6.9E-06**	**5.3E-06**	**3.7E-06**	**5.9E-05**	**4.7E-05**	**1.1E-05**	**5.5E-06**	**1.1E-05**	**1.6E-05**	**5.7E-06**

Notes:
M = metal; OS = semi-volatile organic; OV = volatile organic; PEST/PCB = Pesticide or PCB

"-" = no available potency factor for the risk endpoint considered

"na" = no available data in database (not analyzed for/data rejected/data gap) OR chemical not detected in Parcel

Table 4-20

Cancer Risk - Ingestion - Child-Youth-Adult Recreational

Surface Sediment

	Location:	SD-15	SD-16	SD-17	SD-18	SD-19	SD-20	SD-21	SD-22	SD-23	SD-24	SD-25	SD-26	SD-27	SD-28	SD-29
Chemical	**Type**	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
ANTIMONY	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ARSENIC	M	5.5E-06	5.0E-06	6.2E-06	5.9E-06	4.3E-06	5.3E-06	4.9E-06	5.9E-06	5.8E-06	2.0E-06	2.7E-06	5.7E-06	3.9E-06	4.4E-06	4.3E-06
CADMIUM	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CHROMIUM	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERCURY	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
THALLIUM	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VANADIUM	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BENZO(A)ANTHRACENE	OS	2.5E-07	1.2E-07	1.3E-07	9.7E-08	2.0E-07	9.2E-08	8.9E-08	1.0E-07	8.9E-08	9.4E-08	8.4E-08	8.4E-08	2.5E-07	1.3E-06	1.1E-07
BENZO(A)PYRENE	OS	3.1E-06	1.4E-06	1.7E-06	1.4E-06	2.4E-06	1.1E-06	1.3E-06	1.5E-06	1.2E-06	8.9E-07	9.4E-07	1.1E-06	2.5E-06	1.1E-05	1.2E-06
BENZO(B)FLUORANTHENE	OS	4.6E-07	2.1E-07	2.8E-07	2.4E-07	3.6E-07	1.9E-07	2.0E-07	2.5E-07	2.1E-07	1.4E-07	1.4E-07	2.0E-07	3.6E-07	1.5E-06	1.7E-07
DIBENZO(A,H)ANTHRACENE	OS	1.7E-06	1.8E-06	1.7E-06	1.9E-06	1.4E-06	1.9E-06	1.7E-06	1.8E-06	1.8E-06	6.1E-07	9.9E-07	1.9E-06	1.2E-06	1.5E-06	1.2E-06
INDENO(1,2,3-CD)PYRENE	OS	2.1E-07	1.8E-07	1.7E-07	1.9E-07	1.5E-07	1.9E-07	1.7E-07	1.8E-07	1.8E-07	6.1E-08	8.1E-08	1.9E-07	1.9E-07	8.6E-07	1.2E-07
AROCLOR-1260	PEST/PCB	9.1E-07	9.8E-07	7.7E-07	5.4E-07	2.0E-06	7.7E-07	3.9E-07	1.4E-06	5.2E-07	1.3E-07	9.1E-07	1.0E-06	1.4E-05	5.5E-07	1.7E-06
	Total:	**1.2E-05**	**9.7E-06**	**1.1E-05**	**1.0E-05**	**1.1E-05**	**9.6E-06**	**8.7E-06**	**1.1E-05**	**9.8E-06**	**3.9E-06**	**5.8E-06**	**1.0E-05**	**2.2E-05**	**2.1E-05**	**8.9E-06**

Notes:
M = metal; OS = semi-volatile organic; OV = volatile organic; PEST/PCB = Pesticide or PCB

"-" = no available potency factor for the risk endpoint considered

"na" = no available data in database (not analyzed for/data rejected/data gap) OR chemical not detected in Parcel

Table 4-20

Cancer Risk - Ingestion - Child-Youth-Adult Recreational

Surface Sediment

	Location:	SD-30	SD-31	SD-32	SD-33	SD-34	SD-35	SD-36	SD-37	SD-38	SD-39	SD-40	SD-41	SD-42
Chemical	**Type**	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
ANTIMONY	M	-	-	-	-	-	-	-	-	-	-	-	-	-
ARSENIC	M	5.3E-06	3.2E-06	6.3E-06	5.4E-06	3.5E-06	6.3E-06	5.0E-06	4.4E-06	5.1E-06	3.9E-06	4.5E-06	3.1E-06	2.2E-06
CADMIUM	M	-	-	-	-	-	-	-	-	-	-	-	-	-
CHROMIUM	M	-	-	-	-	-	-	-	-	-	-	-	-	-
MERCURY	M	-	-	-	-	-	-	-	-	-	-	-	-	-
THALLIUM	M	-	-	-	-	-	-	-	-	-	-	-	-	-
VANADIUM	M	-	-	-	-	-	-	-	-	-	-	-	-	-
BENZO(A)ANTHRACENE	OS	7.6E-08	1.1E-07	2.0E-07	1.7E-07	6.6E-08	1.5E-07	1.5E-07	7.9E-08	2.0E-07	1.4E-07	8.9E-08	na	na
BENZO(A)PYRENE	OS	9.7E-07	1.1E-06	6.1E-07	1.7E-06	8.9E-07	4.3E-07	5.1E-07	1.0E-06	6.4E-07	5.1E-07	9.7E-07	na	na
BENZO(B)FLUORANTHENE	OS	1.8E-07	1.1E-07	1.0E-07	7.4E-08	1.3E-07	7.6E-08	9.2E-08	1.5E-07	1.1E-07	8.6E-08	1.4E-07	na	na
DIBENZO(A,H)ANTHRACENE	OS	1.7E-06	1.1E-06	2.0E-06	1.7E-06	1.1E-06	1.5E-06	1.5E-06	1.8E-06	2.0E-06	1.4E-06	1.5E-06	na	na
INDENO(1,2,3-CD)PYRENE	OS	1.7E-07	1.1E-07	2.0E-07	1.7E-07	1.1E-07	1.5E-07	1.5E-07	1.8E-07	2.0E-07	1.4E-07	1.5E-07	na	na
AROCLOR-1260	PEST/PCB	9.8E-07	1.2E-07	4.3E-07	5.0E-07	2.0E-07	2.6E-07	3.0E-07	1.7E-07	1.5E-07	1.3E-07	2.5E-07	na	na
	Total:	**9.3E-06**	**5.9E-06**	**9.9E-06**	**9.6E-06**	**6.0E-06**	**8.9E-06**	**7.7E-06**	**7.8E-06**	**8.4E-06**	**6.3E-06**	**7.6E-06**	**3.1E-06**	**2.2E-06**

Notes:
M = metal; OS = semi-volatile organic; OV = volatile organic; PEST/PCB = Pesticide or PCB

"-" = no available potency factor for the risk endpoint considered

"na" = no available data in database (not analyzed for/data rejected/data gap) OR chemical not detected in Parcel

Table 4-21

Non-Cancer Risk - Ingestion -
Child-Youth-Adult Recreational

Surface Sediment

	Location:	UCL	SD-1	SD-2	SD-3	SD-4	SD-5	SD-6	SD-7	SD-8	SD-9	SD-10	SD-11	SD-12	SD-13	SD-14
Chemical	**Type**	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
ANTIMONY	M	9.7E-03	na	na	na	2.9E-02	na	na	na	na	na	na	na	na	3.5E-03	6.1E-03
ARSENIC	M	7.4E-02	2.2E-02	4.9E-02	1.8E-02	2.8E-02	3.9E-02	4.1E-02	3.7E-02	5.0E-02	9.9E-02	8.0E-02	4.5E-02	8.3E-02	7.7E-02	3.4E-02
CADMIUM	M	1.2E-01	2.4E-03	4.0E-02	2.1E-03	1.0E-01	1.1E-01	1.8E-01	2.9E-02	2.6E-02	3.1E-02	2.5E-02	1.8E-02	3.0E-02	3.0E-02	1.8E-02
CHROMIUM	M	3.0E-02	1.1E-02	1.7E-02	1.3E-02	1.4E-02	2.5E-02	4.8E-02	9.5E-03	1.1E-02	1.3E-02	1.1E-02	7.2E-03	1.3E-02	1.5E-02	9.2E-03
MERCURY	M	2.0E-02	1.8E-02	8.7E-03	2.0E-04	6.9E-04	2.6E-03	8.2E-03	2.1E-03	4.3E-03	7.7E-03	6.9E-03	5.4E-03	8.9E-03	1.2E-02	8.7E-03
THALLIUM	M	3.6E-02	5.3E-03	1.0E-02	5.1E-03	1.1E-02	7.7E-03	9.3E-03	8.4E-03	na	1.3E-02	1.2E-02	8.0E-03	1.4E-02	3.0E-02	1.2E-02
VANADIUM	M	1.5E-01	na	na	na	na	na	na	na	na	na	na	na	na	1.4E-01	3.8E-02
BENZO(A)ANTHRACENE	OS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BENZO(A)PYRENE	OS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BENZO(B)FLUORANTHENE	OS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIBENZO(A,H)ANTHRACENE	OS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
INDENO(1,2,3-CD)PYRENE	OS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AROCLOR-1260	PEST/PCB	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total:	**4.3E-01**	**5.9E-02**	**1.2E-01**	**3.8E-02**	**1.9E-01**	**1.8E-01**	**2.8E-01**	**8.5E-02**	**9.1E-02**	**1.6E-01**	**1.4E-01**	**8.4E-02**	**1.5E-01**	**3.1E-01**	**1.3E-01**

Notes:
M = metal; OS = semi-volatile organic; OV = volatile organic;
PEST/PCB = Pesticide or PCB

"-" = no available potency factor for the risk endpoint considered

"na" = no available data in database (not analyzed for/data rejected/data gap) OR chemical not detected in Parcel

Table 4-21

Non-Cancer Risk - Ingestion -
Child-Youth-Adult Recreational

Surface Sediment

	Location:	SD-15	SD-16	SD-17	SD-18	SD-19	SD-20	SD-21	SD-22	SD-23	SD-24	SD-25	SD-26	SD-27	SD-28	SD-29
Chemical	**Type**	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
ANTIMONY	M	1.2E-02	4.3E-03	9.6E-03	1.1E-02	3.4E-03	8.9E-03	4.3E-03	4.3E-03	4.0E-03	1.4E-03	2.3E-03	9.6E-03	7.7E-03	3.9E-03	3.5E-03
ARSENIC	M	8.9E-02	8.2E-02	1.0E-01	9.6E-02	7.0E-02	8.7E-02	8.0E-02	9.5E-02	9.5E-02	3.2E-02	4.3E-02	9.4E-02	6.3E-02	7.2E-02	7.1E-02
CADMIUM	M	2.4E-02	2.6E-02	2.4E-02	2.4E-02	3.7E-02	2.8E-02	1.7E-02	2.7E-02	2.7E-02	8.2E-03	2.2E-02	2.9E-02	1.2E-01	2.0E-01	5.3E-02
CHROMIUM	M	1.5E-02	1.6E-02	1.5E-02	1.6E-02	1.7E-02	1.7E-02	1.2E-02	1.9E-02	1.9E-02	4.1E-03	7.8E-03	2.1E-02	5.6E-02	8.4E-02	3.1E-02
MERCURY	M	1.1E-02	1.0E-02	1.0E-02	1.0E-02	1.1E-02	1.2E-02	8.4E-03	1.0E-02	1.0E-02	2.6E-03	5.9E-03	1.3E-02	1.7E-02	2.5E-02	2.1E-02
THALLIUM	M	3.5E-02	7.7E-02	4.1E-02	3.9E-02	2.9E-02	3.5E-02	3.7E-02	3.7E-02	3.4E-02	1.2E-02	1.9E-02	4.0E-02	na	3.3E-02	3.0E-02
VANADIUM	M	1.5E-01	1.3E-01	1.6E-01	1.5E-01	1.4E-01	1.4E-01	1.1E-01	1.6E-01	1.4E-01	5.3E-02	6.2E-02	1.4E-01	1.7E-01	3.1E-01	1.8E-01
BENZO(A)ANTHRACENE	OS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BENZO(A)PYRENE	OS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BENZO(B)FLUORANTHENE	OS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIBENZO(A,H)ANTHRACENE	OS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
INDENO(1,2,3-CD)PYRENE	OS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AROCLOR-1260	PEST/PCB	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total:	**3.3E-01**	**3.5E-01**	**3.6E-01**	**3.4E-01**	**3.1E-01**	**3.3E-01**	**2.7E-01**	**3.5E-01**	**3.3E-01**	**1.1E-01**	**1.6E-01**	**3.5E-01**	**4.3E-01**	**7.3E-01**	**3.9E-01**

Notes:
M = metal; OS = semi-volatile organic; OV = volatile organic;
PEST/PCB = Pesticide or PCB

"-" = no available potency factor for the risk endpoint considered

"na" = no available data in database (not analyzed for/data rejected/data gap) OR chemical not detected in Parcel

Table 4-21

Non-Cancer Risk - Ingestion -
Child-Youth-Adult Recreational

Surface Sediment

	Location:	SD-30	SD-31	SD-32	SD-33	SD-34	SD-35	SD-36	SD-37	SD-38	SD-39	SD-40	SD-41	SD-42
Chemical	**Type**	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
ANTIMONY	M	4.0E-03	2.4E-03	5.5E-03	4.4E-03	2.3E-03	3.7E-03	4.0E-03	4.5E-03	4.0E-03	2.7E-03	3.9E-03	2.8E-03	2.8E-03
ARSENIC	M	8.6E-02	5.3E-02	1.0E-01	8.8E-02	5.7E-02	1.0E-01	8.2E-02	7.2E-02	8.3E-02	6.3E-02	7.3E-02	5.1E-02	3.6E-02
CADMIUM	M	2.0E-02	1.9E-03	1.5E-02	2.0E-02	1.9E-02	2.1E-02	2.4E-02	2.2E-02	2.8E-02	2.7E-02	1.2E-01	5.4E-02	1.7E-01
CHROMIUM	M	1.7E-02	5.7E-03	1.9E-02	1.9E-02	1.3E-02	2.1E-02	1.9E-02	1.4E-02	1.9E-02	1.6E-02	4.4E-02	2.1E-02	4.4E-02
MERCURY	M	8.9E-02	4.9E-03	1.3E-02	1.3E-02	8.7E-03	1.3E-02	8.7E-03	6.6E-03	9.2E-03	9.7E-03	1.3E-02	8.9E-03	7.4E-03
THALLIUM	M	3.4E-02	2.0E-02	na	3.8E-02	2.0E-02	3.2E-02	3.4E-02	3.9E-02	na	2.3E-02	3.3E-02	2.4E-02	2.4E-02
VANADIUM	M	1.4E-01	9.8E-02	1.6E-01	1.4E-01	8.9E-02	1.6E-01	1.2E-01	9.7E-02	1.2E-01	7.7E-02	1.6E-01	8.6E-02	8.5E-02
BENZO(A)ANTHRACENE	OS	-	-	-	-	-	-	-	-	-	-	-	-	-
BENZO(A)PYRENE	OS	-	-	-	-	-	-	-	-	-	-	-	-	-
BENZO(B)FLUORANTHENE	OS	-	-	-	-	-	-	-	-	-	-	-	-	-
DIBENZO(A,H)ANTHRACENE	OS	-	-	-	-	-	-	-	-	-	-	-	-	-
INDENO(1,2,3-CD)PYRENE	OS	-	-	-	-	-	-	-	-	-	-	-	-	-
AROCLOR-1260	PEST/PCB	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total:	**3.9E-01**	**1.9E-01**	**3.2E-01**	**3.2E-01**	**2.1E-01**	**3.5E-01**	**2.9E-01**	**2.6E-01**	**2.7E-01**	**2.2E-01**	**4.6E-01**	**2.5E-01**	**3.7E-01**

Notes:
M = metal; OS = semi-volatile organic; OV = volatile organic;
PEST/PCB = Pesticide or PCB

"-" = no available potency factor for the risk endpoint considered

"na" = no available data in database (not analyzed for/data rejected/data gap) OR chemical not detected in Parcel

Table 4-22

Cancer Risk - Dermal - Child-Youth-Adult Recreational

Surface Sediment

	Location:	UCL	SD-1	SD-2	SD-3	SD-4	SD-5	SD-6	SD-7	SD-8	SD-9	SD-10	SD-11	SD-12	SD-13	SD-14
Chemical	**Type**	UCL	SD-1	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
ANTIMONY	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ARSENIC	M	4.1E-07	1.2E-07	2.7E-07	9.9E-08	1.6E-07	2.2E-07	2.3E-07	2.0E-07	2.8E-07	5.5E-07	4.4E-07	2.5E-07	4.6E-07	4.3E-07	1.9E-07
CADMIUM	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CHROMIUM	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERCURY	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
THALLIUM	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VANADIUM	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BENZO(A)ANTHRACENE	OS	8.5E-08	6.5E-08	1.4E-08	4.1E-08	7.5E-08	1.2E-07	4.4E-08	1.4E-08	5.8E-08	7.9E-08	1.3E-07	3.0E-08	1.1E-07	2.0E-07	1.1E-07
BENZO(A)PYRENE	OS	8.1E-07	5.3E-07	1.4E-07	4.2E-07	6.3E-07	1.0E-06	4.5E-07	1.5E-07	5.0E-07	8.1E-07	1.1E-06	3.0E-07	1.1E-06	2.5E-06	7.9E-07
BENZO(B)FLUORANTHENE	OS	1.2E-07	8.0E-08	1.8E-08	5.3E-08	7.1E-08	1.5E-07	4.9E-08	2.0E-08	8.0E-08	1.6E-07	1.4E-07	3.0E-08	1.6E-07	3.7E-07	1.4E-07
DIBENZO(A,H)ANTHRACENE	OS	5.6E-07	2.0E-07	4.0E-07	1.9E-07	2.3E-07	3.4E-07	3.9E-07	3.4E-07	3.3E-07	1.6E-07	4.8E-07	3.0E-07	5.5E-07	6.5E-07	2.1E-07
INDENO(1,2,3-CD)PYRENE	OS	1.0E-07	2.8E-08	4.0E-08	2.5E-08	3.3E-08	6.1E-08	2.9E-08	9.5E-09	2.8E-08	5.6E-08	6.3E-08	3.0E-08	6.6E-08	2.0E-07	4.6E-08
AROCLOR-1260	PEST/PCB	1.1E-06	6.0E-09	4.7E-08	1.6E-08	6.8E-09	1.2E-07	1.6E-07	3.2E-08	1.1E-07	1.6E-05	3.8E-07	4.1E-07	5.3E-07	4.1E-07	1.4E-07
	Total:	**3.2E-06**	**1.0E-06**	**9.3E-07**	**8.6E-07**	**1.2E-06**	**2.0E-06**	**1.3E-06**	**7.7E-07**	**1.4E-06**	**1.8E-05**	**2.7E-06**	**1.3E-06**	**3.0E-06**	**4.7E-06**	**1.6E-06**

Notes:
M = metal; OS = semi-volatile organic; OV = volatile organic; PEST/PCB = Pesticide or PCB

"-" = no available potency factor for the risk endpoint considered

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Table 4-22

Cancer Risk - Dermal - Child-Youth-Adult Recreational

Surface Sediment

	Location:	SD-15	SD-16	SD-17	SD-18	SD-19	SD-20	SD-21	SD-22	SD-23	SD-24	SD-25	SD-26	SD-27	SD-28	SD-29
Chemical	**Type**	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
ANTIMONY	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ARSENIC	M	5.0E-07	4.5E-07	5.6E-07	5.3E-07	3.9E-07	4.8E-07	4.4E-07	5.3E-07	5.2E-07	1.8E-07	2.4E-07	5.2E-07	3.5E-07	4.0E-07	3.9E-07
CADMIUM	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CHROMIUM	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERCURY	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
THALLIUM	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VANADIUM	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BENZO(A)ANTHRACENE	OS	1.0E-07	4.9E-08	5.1E-08	3.8E-08	7.7E-08	3.6E-08	3.5E-08	4.0E-08	3.5E-08	3.7E-08	3.3E-08	3.3E-08	9.8E-08	5.2E-07	4.2E-08
BENZO(A)PYRENE	OS	1.2E-06	5.4E-07	6.5E-07	5.4E-07	9.6E-07	4.2E-07	5.2E-07	5.8E-07	4.8E-07	3.5E-07	3.7E-07	4.5E-07	9.9E-07	4.4E-06	4.7E-07
BENZO(B)FLUORANTHENE	OS	1.8E-07	8.1E-08	1.1E-07	9.3E-08	1.4E-07	7.4E-08	8.0E-08	1.0E-07	8.3E-08	5.7E-08	5.7E-08	7.8E-08	1.4E-07	5.8E-07	6.6E-08
DIBENZO(A,H)ANTHRACENE	OS	6.5E-07	7.0E-07	6.5E-07	7.5E-07	5.5E-07	7.5E-07	6.5E-07	7.0E-07	7.0E-07	2.4E-07	3.9E-07	7.5E-07	4.7E-07	6.0E-07	4.9E-07
INDENO(1,2,3-CD)PYRENE	OS	8.4E-08	7.0E-08	6.5E-08	7.5E-08	5.9E-08	7.5E-08	6.5E-08	7.0E-08	7.0E-08	2.4E-08	3.2E-08	7.5E-08	7.4E-08	3.4E-07	4.9E-08
AROCLOR-1260	PEST/PCB	3.8E-07	4.1E-07	3.2E-07	2.3E-07	8.2E-07	3.2E-07	1.6E-07	5.9E-07	2.2E-07	5.6E-08	3.8E-07	4.4E-07	5.9E-06	2.3E-07	7.3E-07
	Total:	**3.1E-06**	**2.3E-06**	**2.4E-06**	**2.3E-06**	**3.0E-06**	**2.2E-06**	**2.0E-06**	**2.6E-06**	**2.1E-06**	**9.4E-07**	**1.5E-06**	**2.3E-06**	**8.0E-06**	**7.0E-06**	**2.2E-06**

Notes:
M = metal; OS = semi-volatile organic; OV = volatile organic; PEST/PCB = Pesticide or PCB

"-" = no available potency factor for the risk endpoint considered

"na" = no available data in database (not analyzed for/data rejected/data gap) OR chemical not detected in Parcel

Table 4-22

Cancer Risk - Dermal - Child-Youth-Adult Recreational

Surface Sediment

	Location:	SD-30	SD-31	SD-32	SD-33	SD-34	SD-35	SD-36	SD-37	SD-38	SD-39	SD-40	SD-41	SD-42
Chemical	**Type**	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
ANTIMONY	M	-	-	-	-	-	-	-	-	-	-	-	-	-
ARSENIC	M	4.8E-07	2.9E-07	5.7E-07	4.9E-07	3.2E-07	5.7E-07	4.5E-07	4.0E-07	4.6E-07	3.5E-07	4.1E-07	2.8E-07	2.0E-07
CADMIUM	M	-	-	-	-	-	-	-	-	-	-	-	-	-
CHROMIUM	M	-	-	-	-	-	-	-	-	-	-	-	-	-
MERCURY	M	-	-	-	-	-	-	-	-	-	-	-	-	-
THALLIUM	M	-	-	-	-	-	-	-	-	-	-	-	-	-
VANADIUM	M	-	-	-	-	-	-	-	-	-	-	-	-	-
BENZO(A)ANTHRACENE	OS	3.0E-08	4.3E-08	8.0E-08	6.5E-08	2.6E-08	6.0E-08	6.0E-08	3.1E-08	8.0E-08	5.5E-08	3.5E-08	na	na
BENZO(A)PYRENE	OS	3.8E-07	4.3E-07	2.4E-07	6.5E-07	3.5E-07	1.7E-07	2.0E-07	4.1E-07	2.5E-07	2.0E-07	3.8E-07	na	na
BENZO(B)FLUORANTHENE	OS	7.0E-08	4.3E-08	4.0E-08	2.9E-08	5.2E-08	3.0E-08	3.6E-08	5.9E-08	4.4E-08	3.4E-08	5.6E-08	na	na
DIBENZO(A,H)ANTHRACENE	OS	6.5E-07	4.3E-07	8.0E-07	6.5E-07	4.2E-07	6.0E-07	6.0E-07	7.0E-07	8.0E-07	5.5E-07	6.0E-07	na	na
INDENO(1,2,3-CD)PYRENE	OS	6.5E-08	4.3E-08	8.0E-08	6.5E-08	4.2E-08	6.0E-08	6.0E-08	7.0E-08	8.0E-08	5.5E-08	6.0E-08	na	na
AROCLOR-1260	PEST/PCB	4.1E-07	5.0E-08	1.8E-07	2.1E-07	8.5E-08	1.1E-07	1.3E-07	7.1E-08	6.2E-08	5.6E-08	1.1E-07	na	na
	Total:	**2.1E-06**	**1.3E-06**	**2.0E-06**	**2.2E-06**	**1.3E-06**	**1.6E-06**	**1.5E-06**	**1.7E-06**	**1.8E-06**	**1.3E-06**	**1.6E-06**	**2.8E-07**	**2.0E-07**

Notes:
M = metal; OS = semi-volatile organic; OV = volatile organic; PEST/PCB = Pesticide or PCB

"-" = no available potency factor for the risk endpoint considered

"na" = no available data in database (not analyzed for/data rejected/data gap) OR chemical not detected in Parcel

Table 4-23

Non-Cancer Risk - Dermal -
Child-Youth-Adult Recreational

Surface Sediment

	Location:	UCL	SD-1	SD-2	SD-3	SD-4	SD-5	SD-6	SD-7	SD-8	SD-9	SD-10	SD-11	SD-12	SD-13	SD-14
Chemical	**Type**	**Sediment**	**Sediment**	**Sediment**	**Sediment**	**Sediment**	**Sediment**	**Sediment**	**Sediment**	**Sediment**	**Sediment**	**Sediment**	**Sediment**	**Sediment**	**Sediment**	**Sediment**
ANTIMONY	M	1.8E-03	na	na	na	5.5E-03	na	na	na	na	na	na	na	na	6.5E-04	1.1E-03
ARSENIC	M	6.2E-03	1.9E-03	4.1E-03	1.5E-03	2.4E-03	3.3E-03	3.4E-03	3.1E-03	4.2E-03	8.3E-03	6.7E-03	3.8E-03	6.9E-03	6.4E-03	2.9E-03
CADMIUM	M	1.3E-02	2.7E-04	4.5E-03	2.4E-04	1.2E-02	1.2E-02	2.0E-02	3.2E-03	2.9E-03	3.5E-03	2.8E-03	2.0E-03	3.4E-03	3.4E-03	2.0E-03
CHROMIUM	M	6.5E-02	2.4E-02	3.7E-02	2.7E-02	3.0E-02	5.4E-02	1.0E-01	2.0E-02	2.4E-02	2.7E-02	2.3E-02	1.5E-02	2.8E-02	3.3E-02	2.0E-02
MERCURY	M	5.7E-04	5.1E-04	2.4E-04	5.7E-06	1.9E-05	7.2E-05	2.3E-04	6.0E-05	1.2E-04	2.1E-04	1.9E-04	1.5E-04	2.5E-04	3.4E-04	2.4E-04
THALLIUM	M	1.0E-03	1.5E-04	2.9E-04	1.4E-04	3.2E-04	2.1E-04	2.6E-04	2.4E-04	na	3.5E-04	3.4E-04	2.3E-04	3.9E-04	8.3E-04	3.3E-04
VANADIUM	M	1.6E-01	na	na	na	na	na	na	na	na	na	na	na	na	1.5E-01	4.1E-02
BENZO(A)ANTHRACENE	OS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BENZO(A)PYRENE	OS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BENZO(B)FLUORANTHENE	OS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIBENZO(A,H)ANTHRACENE	OS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
INDENO(1,2,3-CD)PYRENE	OS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AROCLOR-1260	PEST/PCB	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total:	**2.4E-01**	**2.7E-02**	**4.6E-02**	**2.9E-02**	**5.0E-02**	**6.9E-02**	**1.3E-01**	**2.7E-02**	**3.1E-02**	**4.0E-02**	**3.3E-02**	**2.2E-02**	**3.9E-02**	**2.0E-01**	**6.8E-02**

Notes:
M = metal, OS = semi-volatile organic; OV = volatile organic;
PEST/PCB = Pesticide or PCB

"-" = no available potency factor for the risk endpoint considered

"na" = no available data in database (not analyzed for/data rejected/data gap) OR chemical not detected in Parcel

Table 4-23

Non-Cancer Risk - Dermal -
Child-Youth-Adult Recreational

Surface Sediment

	Location:	SD-15	SD-16	SD-17	SD-18	SD-19	SD-20	SD-21	SD-22	SD-23	SD-24	SD-25	SD-26	SD-27	SD-28	SD-29
Chemical	**Type**	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
ANTIMONY	M	2.1E-03	7.9E-04	1.8E-03	2.0E-03	6.4E-04	1.7E-03	8.1E-04	8.1E-04	7.5E-04	2.6E-04	4.2E-04	1.8E-03	1.4E-03	7.3E-04	6.5E-04
ARSENIC	M	7.5E-03	6.9E-03	8.5E-03	8.1E-03	5.9E-03	7.3E-03	6.7E-03	8.0E-03	7.9E-03	2.7E-03	3.7E-03	7.9E-03	5.3E-03	6.0E-03	5.9E-03
CADMIUM	M	2.7E-03	2.9E-03	2.6E-03	2.6E-03	4.1E-03	3.1E-03	1.9E-03	3.0E-03	3.0E-03	9.2E-04	2.5E-03	3.2E-03	1.3E-02	2.3E-02	5.9E-03
CHROMIUM	M	3.2E-02	3.4E-02	3.3E-02	3.5E-02	3.6E-02	3.7E-02	2.6E-02	4.1E-02	4.1E-02	8.9E-03	1.7E-02	4.5E-02	1.2E-01	1.8E-01	6.7E-02
MERCURY	M	3.2E-04	2.9E-04	2.8E-04	2.9E-04	3.1E-04	3.3E-04	2.4E-04	2.9E-04	2.9E-04	7.2E-05	1.6E-04	3.7E-04	4.9E-04	7.0E-04	6.0E-04
THALLIUM	M	9.8E-04	2.1E-03	1.1E-03	1.1E-03	8.1E-04	9.9E-04	1.0E-03	1.0E-03	9.6E-04	3.3E-04	5.4E-04	1.1E-03	na	9.4E-04	8.3E-04
VANADIUM	M	1.6E-01	1.4E-01	1.7E-01	1.6E-01	1.6E-01	1.5E-01	1.2E-01	1.7E-01	1.5E-01	5.7E-02	6.7E-02	1.5E-01	1.8E-01	3.3E-01	1.9E-01
BENZO(A)ANTHRACENE	OS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BENZO(A)PYRENE	OS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BENZO(B)FLUORANTHENE	OS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
DIBENZO(A,H)ANTHRACENE	OS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
INDENO(1,2,3-CD)PYRENE	OS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AROCLOR-1260	PEST/PCB	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total:	**2.0E-01**	**1.9E-01**	**2.2E-01**	**2.1E-01**	**2.0E-01**	**2.0E-01**	**1.6E-01**	**2.2E-01**	**2.1E-01**	**7.0E-02**	**9.1E-02**	**2.1E-01**	**3.2E-01**	**5.4E-01**	**2.7E-01**

Notes:
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"-" = no available potency factor for the risk endpoint considered

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Table 4-23

Non-Cancer Risk - Dermal -
Child-Youth-Adult Recreational

Surface Sediment

	Location:	SD-30	SD-31	SD-32	SD-33	SD-34	SD-35	SD-36	SD-37	SD-38	SD-39	SD-40	SD-41	SD-42
Chemical	**Type**	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment	Sediment
ANTIMONY	M	7.4E-04	4.4E-04	1.0E-03	8.3E-04	4.3E-04	7.0E-04	7.5E-04	8.4E-04	7.5E-04	5.1E-04	7.2E-04	5.3E-04	5.3E-04
ARSENIC	M	7.2E-03	4.4E-03	8.7E-03	7.4E-03	4.8E-03	8.6E-03	6.9E-03	6.1E-03	6.9E-03	5.3E-03	6.2E-03	4.3E-03	3.0E-03
CADMIUM	M	2.2E-03	2.1E-04	1.7E-03	2.2E-03	2.1E-03	2.4E-03	2.7E-03	2.5E-03	3.2E-03	3.0E-03	1.4E-02	6.1E-03	1.9E-02
CHROMIUM	M	3.7E-02	1.2E-02	4.0E-02	4.1E-02	2.8E-02	4.6E-02	4.0E-02	3.0E-02	4.2E-02	3.4E-02	9.6E-02	4.6E-02	9.4E-02
MERCURY	M	2.5E-03	1.4E-04	3.7E-04	3.5E-04	2.4E-04	3.7E-04	2.4E-04	1.9E-04	2.6E-04	2.7E-04	3.7E-04	2.5E-04	2.1E-04
THALLIUM	M	9.5E-04	5.6E-04	na	1.1E-03	5.5E-04	8.9E-04	9.6E-04	1.1E-03	na	6.5E-04	9.2E-04	6.8E-04	6.7E-04
VANADIUM	M	1.5E-01	1.1E-01	1.7E-01	1.5E-01	9.6E-02	1.7E-01	1.3E-01	1.0E-01	1.3E-01	8.3E-02	1.7E-01	9.3E-02	9.1E-02
BENZO(A)ANTHRACENE	OS	-	-	-	-	-	-	-	-	-	-	-	-	-
BENZO(A)PYRENE	OS	-	-	-	-	-	-	-	-	-	-	-	-	-
BENZO(B)FLUORANTHENE	OS	-	-	-	-	-	-	-	-	-	-	-	-	-
DIBENZO(A,H)ANTHRACENE	OS	-	-	-	-	-	-	-	-	-	-	-	-	-
INDENO(1,2,3-CD)PYRENE	OS	-	-	-	-	-	-	-	-	-	-	-	-	-
AROCLOR-1260	PEST/PCB	-	-	-	-	-	-	-	-	-	-	-	-	-
	Total:	**2.0E-01**	**1.2E-01**	**2.3E-01**	**2.1E-01**	**1.3E-01**	**2.3E-01**	**1.8E-01**	**1.5E-01**	**1.9E-01**	**1.3E-01**	**2.9E-01**	**1.5E-01**	**2.1E-01**

Notes:
M = metal; OS = semi-volatile organic; OV = volatile organic;
PEST/PCB = Pesticide or PCB

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Table 4-24

Cancer and Non-Cancer Risks
Surface Water
LMC Middle River Complex
Recreational Use

Medium: Surface Water
Receptor: Child-Youth-Adult Recreational SW
Depth Range: Surface

			Total Cancer Risk:		9.0E-06	Total Non-Cancer Hazard:		1.5E-01
Exposure Route	Chemical of Potential Concern	Exposure Point Concentration (UCL) mg/L	Intake (Cancer) mg/kg-day	Slope Factor (SF) 1/(mg/kg-day)	Cancer Risk (SF x Intake)	Intake (Non-Cancer) mg/kg-day	Reference Dose (Rfd) mg/kg-day	Hazard Quotient (Intake/Rfd) Unitless
Dermal	ANTIMONY	3.63E-03	1.9E-07	-	-	6.1E-07	6.0E-05	1.02E-02
	ARSENIC	2.14E-03	1.1E-07	1.5E+00	1.71E-07	3.6E-07	3.0E-04	1.20E-03
	BARIUM	8.59E-02	4.6E-06	-	-	1.4E-05	1.4E-02	1.04E-03
	BERYLLIUM	1.75E-04	9.3E-09	-	-	3.0E-08	1.4E-05	2.11E-03
	CADMIUM	2.30E-04	1.2E-08	-	-	3.9E-08	1.3E-05	3.11E-03
	CHROMIUM	2.64E-03	1.4E-07	-	-	4.5E-07	2.7E-04	1.65E-03
	COPPER	2.92E-02	1.6E-06	-	-	4.9E-06	4.0E-02	1.23E-04
	LEAD	1.87E-03	3.4E-08	-	-	1.1E-07	-	-
	MERCURY	4.80E-05	2.6E-09	-	-	8.1E-09	1.0E-04	8.10E-05
	MOLYBDENUM	1.49E-03	7.9E-08	-	-	2.5E-07	5.0E-03	5.04E-05
	NICKEL	3.24E-03	3.4E-08	-	-	1.1E-07	8.0E-04	1.37E-04
	SELENIUM	2.24E-03	1.2E-07	-	-	3.8E-07	5.0E-03	7.55E-05
	SILVER	5.20E-04	1.7E-08	-	-	5.3E-08	2.0E-04	2.63E-04
	ZINC	1.48E-02	4.7E-07	-	-	1.5E-06	3.0E-01	5.01E-06
	BIS(2-ETHYLHEXYL)PHTHALATE	4.89E-03	5.1E-04	1.4E-02	7.18E-06	1.6E-03	2.0E-02	8.13E-02
	DI-N-BUTYL PHTHALATE	5.22E-03	6.7E-06	-	-	2.1E-05	1.0E-01	2.11E-04
	ACETONE	5.36E-03	1.6E-07	-	-	5.2E-07	9.0E-01	5.72E-07
	CARBON DISULFIDE	8.60E-03	7.8E-06	-	-	2.5E-05	1.0E-01	2.47E-04
	CHLOROFORM	2.27E-03	8.2E-07	-	-	2.6E-06	1.0E-02	2.61E-04
	METHYL TERT-BUTYL ETHER	2.09E-03	2.9E-07	4.0E-03	1.15E-09	9.1E-07	-	-
	TRICHLOROETHENE	2.40E-03	1.5E-06	4.0E-01	6.12E-07	4.9E-06	3.0E-04	1.62E-02
(Total)					**7.96E-06**			**1.18E-01**
Ingestion	ANTIMONY	3.63E-03	8.7E-07	-	-	4.6E-06	4.0E-04	1.16E-02
	ARSENIC	2.14E-03	5.1E-07	1.5E+00	7.65E-07	2.7E-06	3.0E-04	9.11E-03
	BARIUM	8.59E-02	2.1E-05	-	-	1.1E-04	2.0E-01	5.49E-04
	BERYLLIUM	1.75E-04	4.2E-08	-	-	2.2E-07	2.0E-03	1.12E-04
	CADMIUM	2.30E-04	5.5E-08	-	-	2.9E-07	5.0E-04	5.88E-04
	CHROMIUM	2.64E-03	6.3E-07	-	-	3.4E-06	2.1E-02	1.63E-04
	COPPER	2.92E-02	7.0E-06	-	-	3.7E-05	4.0E-02	9.33E-04
	LEAD	1.87E-03	4.5E-07	-	-	2.4E-06	-	-
	MERCURY	4.80E-05	1.1E-08	-	-	6.1E-08	1.0E-04	6.14E-04
	MOLYBDENUM	1.49E-03	3.6E-07	-	-	1.9E-06	5.0E-03	3.82E-04
	NICKEL	3.24E-03	7.7E-07	-	-	4.1E-06	2.0E-02	2.07E-04
	SELENIUM	2.24E-03	5.3E-07	-	-	2.9E-06	5.0E-03	5.72E-04
	SILVER	5.20E-04	1.2E-07	-	-	6.6E-07	5.0E-03	1.33E-04
	ZINC	1.48E-02	3.5E-06	-	-	1.9E-05	3.0E-01	6.32E-05
	BIS(2-ETHYLHEXYL)PHTHALATE	4.89E-03	1.2E-06	1.4E-02	1.63E-08	6.2E-06	2.0E-02	3.12E-04
	DI-N-BUTYL PHTHALATE	5.22E-03	1.2E-06	-	-	6.7E-06	1.0E-01	6.67E-05
	ACETONE	5.36E-03	1.3E-06	-	-	6.9E-06	9.0E-01	7.62E-06
	CARBON DISULFIDE	8.60E-03	2.1E-06	-	-	1.1E-05	1.0E-01	1.10E-04
	CHLOROFORM	2.27E-03	5.4E-07	-	-	2.9E-06	1.0E-02	2.90E-04
	METHYL TERT-BUTYL ETHER	2.09E-03	5.0E-07	4.0E-03	2.00E-09	2.7E-06	-	-
	TRICHLOROETHENE	2.40E-03	5.7E-07	4.0E-01	2.29E-07	3.1E-06	3.0E-04	1.02E-02
(Total)					**1.01E-06**			**3.60E-02**

Table 4-25

Total Cancer Risk - Child-
Youth-Adult Recreational SW

Surface Water

	Location:	UCL	SW-1	SW-2	SW-3	SW-4	SW-5	SW-6	SW-7	SW-08	SW-09	SW-10	SW-11	SW-12	SW-13	SW-14
Chemical	**Type**	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water
ANTIMONY	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ARSENIC	M	9.4E-07	2.6E-07	2.2E-07	4.1E-07	2.3E-07	3.3E-07	2.4E-07	3.6E-07	7.6E-07	7.6E-07	1.1E-06	7.6E-07	7.6E-07	7.6E-07	7.6E-07
BARIUM	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BERYLLIUM	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CADMIUM	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CHROMIUM	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COPPER	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LEAD	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERCURY	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MOLYBDENUM	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NICKEL	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SELENIUM	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SILVER	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZINC	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BIS(2-ETHYLHEXYL)PHTHALATE	OS	7.2E-06	2.1E-06	3.8E-06	5.2E-06	2.2E-06	5.6E-06	1.0E-05	4.4E-06	7.4E-06	7.4E-06	7.4E-06	7.4E-06	7.4E-06	7.4E-06	7.4E-06
DI-N-BUTYL PHTHALATE	OS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ACETONE	OV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CARBON DISULFIDE	OV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CHLOROFORM	OV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
METHYL TERT-BUTYL ETHER	OV	3.1E-09	3.8E-09	3.8E-09	3.8E-09	3.8E-09	3.8E-09	3.8E-09	3.8E-09	1.5E-09	1.5E-09	1.5E-09	3.0E-09	1.5E-09	1.5E-09	3.0E-09
TRICHLOROETHENE	OV	8.4E-07	8.8E-07	8.8E-07	8.8E-07	8.8E-07	8.8E-07	8.8E-07	8.8E-07	1.8E-07	1.8E-07	1.1E-07	1.8E-07	1.8E-07	1.8E-07	1.8E-07
	Total:	**9.0E-06**	**3.2E-06**	**4.9E-06**	**6.4E-06**	**3.3E-06**	**6.8E-06**	**1.1E-05**	**5.7E-06**	**8.3E-06**	**8.3E-06**	**8.6E-06**	**8.3E-06**	**8.3E-06**	**8.3E-06**	**8.3E-06**

Notes:
M = metal; OS = semi-volatile organic; OV = volatile organic; PEST/PCB = Pesticide or PCB

"-" = no available potency factor for the risk endpoint considered

"na" = no available data in database (not analyzed for/data rejected/data gap) OR chemical not detected in Parcel

Table 4-25

Total Cancer Risk - Child-
Youth-Adult Recreational SW

Surface Water

	Location:	SW-15	SW-16	SW-17
Chemical	**Type**	**Surface Water**	**Surface Water**	**Surface Water**
ANTIMONY	M	-	-	-
ARSENIC	M	7.6E-07	7.6E-07	1.2E-06
BARIUM	M	-	-	-
BERYLLIUM	M	-	-	-
CADMIUM	M	-	-	-
CHROMIUM	M	-	-	-
COPPER	M	-	-	-
LEAD	M	-	-	-
MERCURY	M	-	-	-
MOLYBDENUM	M	-	-	-
NICKEL	M	-	-	-
SELENIUM	M	-	-	-
SILVER	M	-	-	-
ZINC	M	-	-	-
BIS(2-ETHYLHEXYL)PHTHALATE	OS	7.4E-06	7.4E-06	7.4E-06
DI-N-BUTYL PHTHALATE	OS	-	-	-
ACETONE	OV	-	-	-
CARBON DISULFIDE	OV	-	-	-
CHLOROFORM	OV	-	-	-
METHYL TERT-BUTYL ETHER	OV	3.0E-09	1.5E-09	1.5E-09
TRICHLOROETHENE	OV	1.8E-07	1.8E-07	1.8E-07
	Total:	**8.3E-06**	**8.3E-06**	**8.7E-06**

Notes:
M = metal; OS = semi-volatile organic; OV = volatile organic; PEST/PCB = Pesticide or PCB

"-" = no available potency factor for the risk endpoint considered

"na" = no available data in database (not analyzed for/data rejected/data gap) OR chemical not detected in Parcel

Table 4-26

Total Non-Cancer Risk - Child-
Youth-Adult Recreational SW

Surface Water

	Location:	UCL	SW-1	SW-2	SW-3	SW-4	SW-5	SW-6	SW-7	SW-08	SW-09	SW-10	SW-11	SW-12	SW-13	SW-14
Chemical	**Type**	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water
ANTIMONY	M	2.2E-02	7.6E-04	4.9E-04	7.5E-04	2.6E-04	2.6E-04	2.6E-04	2.6E-04	2.2E-02	1.2E-02	1.2E-02	1.2E-02	1.2E-02	1.2E-02	1.2E-02
ARSENIC	M	1.0E-02	2.8E-03	2.4E-03	4.5E-03	2.5E-03	3.6E-03	2.7E-03	3.9E-03	8.3E-03	8.3E-03	1.3E-02	8.3E-03	8.3E-03	8.3E-03	8.3E-03
BARIUM	M	1.6E-03	na	na	na	na	na	na	na	1.6E-03	1.6E-03	1.6E-03	1.5E-03	1.6E-03	1.6E-03	1.6E-03
BERYLLIUM	M	2.2E-03	1.6E-03	6.8E-05	7.3E-04	8.9E-04	1.3E-03	4.6E-04	4.1E-04	2.2E-03	2.2E-03	2.2E-03	2.2E-03	2.2E-03	2.2E-03	2.2E-03
CADMIUM	M	3.7E-03	1.9E-04	1.9E-04	3.7E-03	1.1E-03	1.5E-03	5.1E-04	1.9E-04	3.2E-03	3.2E-03	3.2E-03	3.2E-03	3.2E-03	3.2E-03	3.2E-03
CHROMIUM	M	1.8E-03	2.0E-05	2.0E-05	4.9E-04	2.0E-05	2.0E-05	2.0E-05	2.0E-05	3.5E-04	3.5E-04	6.9E-04	3.5E-04	3.5E-04	6.5E-04	3.5E-04
COPPER	M	1.1E-03	na	na	1.1E-03	na	7.1E-04	na	na	3.1E-05	3.1E-05	3.1E-05	3.1E-05	3.1E-05	3.1E-05	3.1E-05
LEAD	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERCURY	M	6.9E-04	7.2E-04	7.2E-04	7.2E-04	7.2E-04	7.2E-04	7.2E-04	7.2E-04	1.4E-04	1.4E-04	1.4E-04	1.4E-04	1.4E-04	1.4E-04	1.4E-04
MOLYBDENUM	M	4.3E-04	na	na	na	na	na	na	na	2.9E-04	2.9E-04	2.9E-04	2.9E-04	4.8E-04	6.1E-04	2.9E-04
NICKEL	M	3.4E-04	7.2E-04	1.9E-04	2.8E-04	2.0E-04	2.0E-04	2.1E-04	2.2E-04	2.2E-04	2.8E-04	3.0E-04	2.9E-04	2.3E-04	2.7E-04	2.6E-04
SELENIUM	M	6.5E-04	2.2E-05	2.2E-04	4.6E-04	4.8E-04	5.6E-04	3.5E-04	2.8E-04	5.2E-04	5.2E-04	5.2E-04	5.2E-04	5.2E-04	5.2E-04	8.4E-04
SILVER	M	4.0E-04	1.9E-04	na	na	na	na	na	na	4.0E-04	4.0E-04	4.0E-04	4.0E-04	4.0E-04	4.0E-04	4.0E-04
ZINC	M	6.8E-05	1.0E-04	na	5.5E-05	na	4.8E-05	na	na	5.0E-05	4.7E-05	5.0E-05	5.2E-05	6.4E-05	5.7E-05	6.3E-05
BIS(2-ETHYLHEXYL)PHTHALATE	OS	8.2E-02	2.3E-02	4.3E-02	5.8E-02	2.5E-02	6.3E-02	1.2E-01	5.0E-02	8.3E-02	8.3E-02	8.3E-02	8.3E-02	8.3E-02	8.3E-02	8.3E-02
DI-N-BUTYL PHTHALATE	OS	2.8E-04	2.9E-04	2.9E-04	8.0E-05	2.7E-04	2.9E-04	1.3E-04	2.9E-04	2.7E-04	2.7E-04	2.7E-04	2.7E-04	2.7E-04	2.7E-04	2.7E-04
ACETONE	OV	8.2E-06	8.7E-06	8.2E-06	7.6E-06	7.6E-06	7.6E-06	7.6E-06	7.6E-06	na	na	na	na	na	na	na
CARBON DISULFIDE	OV	3.6E-04	1.0E-04	2.1E-04	2.8E-04	2.4E-04	3.6E-04	2.0E-04	1.0E-04	2.1E-05	2.1E-05	2.1E-05	2.1E-05	2.1E-05	2.1E-05	2.1E-05
CHLOROFORM	OV	5.5E-04	2.9E-04	6.1E-04	6.1E-04	6.1E-04	6.1E-04	6.1E-04	6.1E-04	1.2E-04	1.2E-04	1.2E-04	1.2E-04	1.2E-04	1.2E-04	1.2E-04
METHYL TERT-BUTYL ETHER	OV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRICHLOROETHENE	OV	2.6E-02	2.8E-02	2.8E-02	2.8E-02	2.8E-02	2.8E-02	2.8E-02	2.8E-02	5.5E-03	5.5E-03	3.3E-03	5.5E-03	5.5E-03	5.5E-03	5.5E-03
	Total:	**1.5E-01**	**5.9E-02**	**7.6E-02**	**1.0E-01**	**6.0E-02**	**1.0E-01**	**1.5E-01**	**8.5E-02**	**1.3E-01**	**1.2E-01**	**1.2E-01**	**1.2E-01**	**1.2E-01**	**1.2E-01**	**1.2E-01**

Notes:
M = metal; OS = semi-volatile organic; OV = volatile organic;
PEST/PCB = Pesticide or PCB

"-" = no available potency factor for the risk endpoint considered

"na" = no available data in database (not analyzed for/data rejected/data gap) OR chemical not detected in Parcel

Table 4-26

Total Non-Cancer Risk - Child-
Youth-Adult Recreational SW

Surface Water

	Location:	SW-15	SW-16	SW-17
Chemical	**Type**	**Surface Water**	**Surface Water**	**Surface Water**
ANTIMONY	M	1.2E-02	1.9E-02	1.2E-02
ARSENIC	M	8.3E-03	8.3E-03	1.3E-02
BARIUM	M	1.6E-03	1.6E-03	1.5E-03
BERYLLIUM	M	2.2E-03	2.2E-03	2.2E-03
CADMIUM	M	3.2E-03	3.2E-03	3.2E-03
CHROMIUM	M	1.2E-03	2.2E-03	6.5E-04
COPPER	M	3.1E-05	2.7E-04	3.1E-05
LEAD	M	-	-	-
MERCURY	M	1.4E-04	1.4E-04	2.2E-04
MOLYBDENUM	M	2.9E-04	2.9E-04	5.1E-04
NICKEL	M	2.8E-04	4.4E-04	3.6E-04
SELENIUM	M	5.2E-04	5.2E-04	5.2E-04
SILVER	M	4.0E-04	4.0E-04	4.0E-04
ZINC	M	6.3E-05	8.5E-05	4.6E-05
BIS(2-ETHYLHEXYL)PHTHALATE	OS	8.3E-02	8.3E-02	8.3E-02
DI-N-BUTYL PHTHALATE	OS	2.7E-04	2.7E-04	2.7E-04
ACETONE	OV	na	na	na
CARBON DISULFIDE	OV	2.9E-05	2.1E-05	2.1E-05
CHLOROFORM	OV	1.2E-04	1.2E-04	1.2E-04
METHYL TERT-BUTYL ETHER	OV	-	-	-
TRICHLOROETHENE	OV	5.5E-03	5.5E-03	5.5E-03
	Total:	**1.2E-01**	**1.3E-01**	**1.2E-01**

Notes:
M = metal; OS = semi-volatile organic; OV = volatile organic; PEST/PCB = Pesticide or PCB

"-" = no available potency factor for the risk endpoint considered

"na" = no available data in database (not analyzed for/data rejected/data gap) OR chemical not detected in Parcel

Table 4-27

Cancer Ingestion - Child-Youth-Adult Recreational SW

Surface Water

	Location:	UCL	SW-1	SW-2	SW-3	SW-4	SW-5	SW-6	SW-7	SW-08	SW-09	SW-10	SW-11	SW-12	SW-13	SW-14
Chemical	**Type**	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water
ANTIMONY	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ARSENIC	M	7.7E-07	2.1E-07	1.8E-07	3.3E-07	1.9E-07	2.7E-07	2.0E-07	2.9E-07	6.2E-07	6.2E-07	9.4E-07	6.2E-07	6.2E-07	6.2E-07	6.2E-07
BARIUM	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BERYLLIUM	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CADMIUM	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CHROMIUM	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COPPER	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LEAD	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERCURY	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MOLYBDENUM	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NICKEL	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SELENIUM	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SILVER	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZINC	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BIS(2-ETHYLHEXYL)PHTHALATE	OS	1.6E-08	4.7E-09	8.7E-09	1.2E-08	5.0E-09	1.3E-08	2.3E-08	1.0E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08	1.7E-08
DI-N-BUTYL PHTHALATE	OS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ACETONE	OV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CARBON DISULFIDE	OV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CHLOROFORM	OV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
METHYL TERT-BUTYL ETHER	OV	2.0E-09	2.4E-09	2.4E-09	2.4E-09	2.4E-09	2.4E-09	2.4E-09	2.4E-09	9.5E-10	9.5E-10	9.5E-10	1.9E-09	9.5E-10	9.5E-10	1.9E-09
TRICHLOROETHENE	OV	2.3E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	2.4E-07	4.8E-08	4.8E-08	2.9E-08	4.8E-08	4.8E-08	4.8E-08	4.8E-08
	Total:	**1.0E-06**	**4.6E-07**	**4.3E-07**	**5.8E-07**	**4.3E-07**	**5.2E-07**	**4.6E-07**	**5.4E-07**	**6.8E-07**	**6.8E-07**	**9.8E-07**	**6.8E-07**	**6.8E-07**	**6.8E-07**	**6.8E-07**

Notes:
M = metal; OS = semi-volatile organic; OV = volatile organic; PEST/PCB = Pesticide or PCB

"-" = no available potency factor for the risk endpoint considered

"na" = no available data in database (not analyzed for/data rejected/data gap) OR chemical not detected in Parcel

Table 4-27

Cancer Ingestion - Child-Youth-
Adult Recreational SW

Surface Water

	Location:	SW-15	SW-16	SW-17
Chemical	**Type**	**Surface Water**	**Surface Water**	**Surface Water**
ANTIMONY	M	-	-	-
ARSENIC	M	6.2E-07	6.2E-07	9.5E-07
BARIUM	M	-	-	-
BERYLLIUM	M	-	-	-
CADMIUM	M	-	-	-
CHROMIUM	M	-	-	-
COPPER	M	-	-	-
LEAD	M	-	-	-
MERCURY	M	-	-	-
MOLYBDENUM	M	-	-	-
NICKEL	M	-	-	-
SELENIUM	M	-	-	-
SILVER	M	-	-	-
ZINC	M	-	-	-
BIS(2-ETHYLHEXYL)PHTHALATE	OS	1.7E-08	1.7E-08	1.7E-08
DI-N-BUTYL PHTHALATE	OS	-	-	-
ACETONE	OV	-	-	-
CARBON DISULFIDE	OV	-	-	-
CHLOROFORM	OV	-	-	-
METHYL TERT-BUTYL ETHER	OV	1.9E-09	9.5E-10	9.5E-10
TRICHLOROETHENE	OV	4.8E-08	4.8E-08	4.8E-08
	Total:	**6.8E-07**	**6.8E-07**	**1.0E-06**

Notes:
M = metal; OS = semi-volatile organic; OV = volatile organic; PEST/PCB = Pesticide or PCB

"-" = no available potency factor for the risk endpoint considered

"na" = no available data in database (not analyzed for/data rejected/data gap) OR chemical not detected in Parcel

Table 4-28

Non-Cancer Ingestion - Child-
Youth-Adult Recreational SW

Surface Water

	Location:	UCL	SW-1	SW-2	SW-3	SW-4	SW-5	SW-6	SW-7	SW-08	SW-09	SW-10	SW-11	SW-12	SW-13	SW-14
Chemical	**Type**	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water
ANTIMONY	M	1.2E-02	4.0E-04	2.6E-04	4.0E-04	1.4E-04	1.4E-04	1.4E-04	1.4E-04	1.2E-02	6.6E-03	6.6E-03	6.6E-03	6.6E-03	6.6E-03	6.6E-03
ARSENIC	M	9.1E-03	2.5E-03	2.2E-03	3.9E-03	2.2E-03	3.2E-03	2.3E-03	3.5E-03	7.4E-03	7.4E-03	1.1E-02	7.4E-03	7.4E-03	7.4E-03	7.4E-03
BARIUM	M	5.5E-04	na	na	na	na	na	na	na	5.4E-04	5.4E-04	5.4E-04	5.3E-04	5.5E-04	5.7E-04	5.5E-04
BERYLLIUM	M	1.1E-04	8.3E-05	3.4E-06	3.7E-05	4.5E-05	6.6E-05	2.3E-05	2.0E-05	1.1E-04	1.1E-04	1.1E-04	1.1E-04	1.1E-04	1.1E-04	1.1E-04
CADMIUM	M	5.9E-04	3.1E-05	3.1E-05	5.9E-04	1.7E-04	2.4E-04	8.2E-05	3.1E-05	5.1E-04	5.1E-04	5.1E-04	5.1E-04	5.1E-04	5.1E-04	5.1E-04
CHROMIUM	M	1.6E-04	1.8E-06	1.8E-06	4.4E-05	1.8E-06	1.8E-06	1.8E-06	1.8E-06	3.1E-05	3.1E-05	6.2E-05	3.1E-05	3.1E-05	5.9E-05	3.1E-05
COPPER	M	9.3E-04	na	na	9.3E-04	na	6.3E-04	na	na	2.8E-05	2.8E-05	2.8E-05	2.8E-05	2.8E-05	2.8E-05	2.8E-05
LEAD	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERCURY	M	6.1E-04	6.4E-04	6.4E-04	6.4E-04	6.4E-04	6.4E-04	6.4E-04	6.4E-04	1.3E-04	1.3E-04	1.3E-04	1.3E-04	1.3E-04	1.3E-04	1.3E-04
MOLYBDENUM	M	3.8E-04	na	na	na	na	na	na	na	2.6E-04	2.6E-04	2.6E-04	2.6E-04	4.2E-04	5.4E-04	2.6E-04
NICKEL	M	2.1E-04	4.3E-04	1.1E-04	1.7E-04	1.2E-04	1.2E-04	1.2E-04	1.3E-04	1.3E-04	1.7E-04	1.8E-04	1.7E-04	1.4E-04	1.6E-04	1.6E-04
SELENIUM	M	5.7E-04	1.9E-05	1.9E-04	4.1E-04	4.2E-04	5.0E-04	3.1E-04	2.5E-04	4.6E-04	4.6E-04	4.6E-04	4.6E-04	4.6E-04	4.6E-04	7.4E-04
SILVER	M	1.3E-04	6.4E-05	na	na	na	na	na	na	1.3E-04	1.3E-04	1.3E-04	1.3E-04	1.3E-04	1.3E-04	1.3E-04
ZINC	M	6.3E-05	9.4E-05	na	5.1E-05	na	4.5E-05	na	na	4.7E-05	4.3E-05	4.6E-05	4.9E-05	5.9E-05	5.3E-05	5.8E-05
BIS(2-ETHYLHEXYL)PHTHALATE	OS	3.1E-04	8.9E-05	1.7E-04	2.2E-04	9.6E-05	2.4E-04	4.4E-04	1.9E-04	3.2E-04	3.2E-04	3.2E-04	3.2E-04	3.2E-04	3.2E-04	3.2E-04
DI-N-BUTYL PHTHALATE	OS	6.7E-05	7.0E-05	7.0E-05	1.9E-05	6.4E-05	7.0E-05	3.2E-05	7.0E-05	6.4E-05	6.4E-05	6.4E-05	6.4E-05	6.4E-05	6.4E-05	6.4E-05
ACETONE	OV	7.6E-06	8.1E-06	7.7E-06	7.1E-06	7.1E-06	7.1E-06	7.1E-06	7.1E-06	na	na	na	na	na	na	na
CARBON DISULFIDE	OV	1.1E-04	3.2E-05	6.5E-05	8.7E-05	7.4E-05	1.1E-04	6.1E-05	3.2E-05	6.4E-06	6.4E-06	6.4E-06	6.4E-06	6.4E-06	6.4E-06	6.4E-06
CHLOROFORM	OV	2.9E-04	1.5E-04	3.2E-04	3.2E-04	3.2E-04	3.2E-04	3.2E-04	3.2E-04	6.4E-05	6.4E-05	6.4E-05	6.4E-05	6.4E-05	6.4E-05	6.4E-05
METHYL TERT-BUTYL ETHER	OV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRICHLOROETHENE	OV	1.0E-02	1.1E-02	1.1E-02	1.1E-02	1.1E-02	1.1E-02	1.1E-02	1.1E-02	2.1E-03	2.1E-03	1.3E-03	2.1E-03	2.1E-03	2.1E-03	2.1E-03
	Total:	**3.6E-02**	**1.5E-02**	**1.5E-02**	**1.9E-02**	**1.5E-02**	**1.7E-02**	**1.5E-02**	**1.6E-02**	**2.4E-02**	**1.9E-02**	**2.2E-02**	**1.9E-02**	**1.9E-02**	**1.9E-02**	**1.9E-02**

Notes:
M = metal; OS = semi-volatile organic; OV = volatile organic; PEST/PCB = Pesticide or PCB

"-" = no available potency factor for the risk endpoint considered

"na" = no available data in database (not analyzed for/data rejected/data gap) OR chemical not detected in Parcel

Table 4-28

Non-Cancer Ingestion - Child-
Youth-Adult Recreational SW

Surface Water

	Location:	SW-15	SW-16	SW-17
Chemical	**Type**	**Surface Water**	**Surface Water**	**Surface Water**
ANTIMONY	M	6.6E-03	1.0E-02	6.6E-03
ARSENIC	M	7.4E-03	7.4E-03	1.1E-02
BARIUM	M	5.5E-04	5.4E-04	5.1E-04
BERYLLIUM	M	1.1E-04	1.1E-04	1.1E-04
CADMIUM	M	5.1E-04	5.1E-04	5.1E-04
CHROMIUM	M	1.1E-04	2.0E-04	5.9E-05
COPPER	M	2.8E-05	2.4E-04	2.8E-05
LEAD	M	-	-	-
MERCURY	M	1.3E-04	1.3E-04	1.9E-04
MOLYBDENUM	M	2.6E-04	2.6E-04	4.5E-04
NICKEL	M	1.7E-04	2.6E-04	2.1E-04
SELENIUM	M	4.6E-04	4.6E-04	4.6E-04
SILVER	M	1.3E-04	1.3E-04	1.3E-04
ZINC	M	5.8E-05	7.9E-05	4.3E-05
BIS(2-ETHYLHEXYL)PHTHALATE	OS	3.2E-04	3.2E-04	3.2E-04
DI-N-BUTYL PHTHALATE	OS	6.4E-05	6.4E-05	6.4E-05
ACETONE	OV	na	na	na
CARBON DISULFIDE	OV	8.9E-06	6.4E-06	6.4E-06
CHLOROFORM	OV	6.4E-05	6.4E-05	6.4E-05
METHYL TERT-BUTYL ETHER	OV	-	-	-
TRICHLOROETHENE	OV	2.1E-03	2.1E-03	2.1E-03
	Total:	**1.9E-02**	**2.3E-02**	**2.3E-02**

Notes:
M = metal; OS = semi-volatile organic; OV = volatile organic; PEST/PCB = Pesticide or PCB

"-" = no available potency factor for the risk endpoint considered

"na" = no available data in database (not analyzed for/data rejected/data gap) OR chemical not detected in Parcel

Table 4-29

Cancer Dermal - Child-Youth-Adult Recreational SW

Surface Water

	Location:	UCL	SW-1	SW-2	SW-3	SW-4	SW-5	SW-6	SW-7	SW-08	SW-09	SW-10	SW-11	SW-12	SW-13	SW-14
Chemical	**Type**	Surface Water	Surface Water	Surface Water	Surface Weter	Surface Water	Surface Water	Surface Water	Surface Water	Surfece Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water
ANTIMONY	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ARSENIC	M	1.7E-07	4.7E-08	4.0E-08	7.4E-08	4.2E-08	6.0E-08	4.4E-08	6.5E-08	1.4E-07	1.4E-07	2.1E-07	1.4E-07	1.4E-07	1.4E-07	1.4E-07
BARIUM	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BERYLLIUM	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CADMIUM	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CHROMIUM	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COPPER	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LEAD	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERCURY	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MOLYBDENUM	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NICKEL	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SELENIUM	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SILVER	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZINC	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BIS(2-ETHYLHEXYL)PHTHALATE	OS	7.2E-06	2.1E-06	3.8E-06	5.1E-06	2.2E-06	5.6E-06	1.0E-05	4.4E-06	7.3E-06	7.3E-06	7.3E-06	7.3E-06	7.3E-06	7.3E-06	7.3E-06
DI-N-BUTYL PHTHALATE	OS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ACETONE	OV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CARBON DISULFIDE	OV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CHLOROFORM	OV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
METHYL TERT-BUTYL ETHER	OV	1.1E-09	1.4E-09	1.4E-09	1.4E-09	1.4E-09	1.4E-09	1.4E-09	1.4E-09	5.5E-10	5.5E-10	5.5E-10	1.1E-09	5.5E-10	5.5E-10	1.1E-09
TRICHLOROETHENE	OV	6.1E-07	6.4E-07	6.4E-07	6.4E-07	6.4E-07	6.4E-07	6.4E-07	6.4E-07	1.3E-07	1.3E-07	7.7E-08	1.3E-07	1.3E-07	1.3E-07	1.3E-07
	Total:	**8.0E-06**	**2.7E-06**	**4.5E-06**	**5.9E-06**	**2.9E-06**	**6.3E-06**	**1.1E-05**	**5.1E-06**	**7.6E-06**	**7.6E-06**	**7.6E-06**	**7.6E-06**	**7.6E-06**	**7.6E-06**	**7.6E-06**

Notes:
M = metal; OS = semi-volatile organic; OV = volatile organic; PEST/PCB = Pesticide or PCB

"-" = no available potency factor for the risk endpoint considered

"na" = no available data in database (not analyzed for/data rejected/data gap) OR chemical not detected in Parcel

Table 4-29

Cancer Dermal - Child-Youth-Adult Recreational SW

Surface Water

	Location:	SW-15	SW-16	SW-17
Chemical	**Type**	**Surface Water**	**Surface Water**	**Surface Water**
ANTIMONY	M	-	-	-
ARSENIC	M	1.4E-07	1.4E-07	2.1E-07
BARIUM	M	-	-	-
BERYLLIUM	M	-	-	-
CADMIUM	M	-	-	-
CHROMIUM	M	-	-	-
COPPER	M	-	-	-
LEAD	M	-	-	-
MERCURY	M	-	-	-
MOLYBDENUM	M	-	-	-
NICKEL	M	-	-	-
SELENIUM	M	-	-	-
SILVER	M	-	-	-
ZINC	M	-	-	-
BIS(2-ETHYLHEXYL)PHTHALATE	OS	7.3E-06	7.3E-06	7.3E-06
DI-N-BUTYL PHTHALATE	OS	-	-	-
ACETONE	OV	-	-	-
CARBON DISULFIDE	OV	-	-	-
CHLOROFORM	OV	-	-	-
METHYL TERT-BUTYL ETHER	OV	1.1E-09	5.5E-10	5.5E-10
TRICHLOROETHENE	OV	1.3E-07	1.3E-07	1.3E-07
	Total:	**7.6E-06**	**7.6E-06**	**7.7E-06**

Notes:
M = metal; OS = semi-volatile organic; OV = volatile organic; PEST/PCB = Pesticide or PCB

"-" = no available potency factor for the risk endpoint considered

"na" = no available data in database (not analyzed for/data rejected/data gap) OR chemical not detected in Parcel

Table 4-30

Non-Cancer Dermal - Child-
Youth-Adult Recreational SW

Surface Water

	Location:	UCL	SW-1	SW-2	SW-3	SW-4	SW-5	SW-6	SW-7	SW-08	SW-09	SW-10	SW-11	SW-12	SW-13	SW-14
Chemical	**Type**	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water	Surface Water
ANTIMONY	M	1.0E-02	3.6E-04	2.3E-04	3.5E-04	1.2E-04	1.2E-04	1.2E-04	1.2E-04	1.0E-02	5.8E-03	5.8E-03	5.8E-03	5.8E-03	5.8E-03	5.8E-03
ARSENIC	M	1.2E-03	3.3E-04	2.8E-04	5.2E-04	3.0E-04	4.2E-04	3.1E-04	4.6E-04	9.7E-04	9.7E-04	1.5E-03	9.7E-04	9.7E-04	9.7E-04	9.7E-04
BARIUM	M	1.0E-03	na	na	na	na	na	na	na	1.0E-03	1.0E-03	1.0E-03	1.0E-03	1.0E-03	1.1E-03	1.0E-03
BERYLLIUM	M	2.1E-03	1.6E-03	6.4E-05	6.9E-04	8.5E-04	1.2E-03	4.4E-04	3.9E-04	2.1E-03	2.1E-03	2.1E-03	2.1E-03	2.1E-03	2.1E-03	2.1E-03
CADMIUM	M	3.1E-03	1.6E-04	1.6E-04	3.1E-03	8.9E-04	1.3E-03	4.3E-04	1.6E-04	2.7E-03	2.7E-03	2.7E-03	2.7E-03	2.7E-03	2.7E-03	2.7E-03
CHROMIUM	M	1.7E-03	1.8E-05	1.8E-05	4.5E-04	1.8E-05	1.8E-05	1.8E-05	1.8E-05	3.2E-04	3.2E-04	6.3E-04	3.2E-04	3.2E-04	6.0E-04	3.2E-04
COPPER	M	1.2E-04	na	na	1.2E-04	na	8.3E-05	na	na	3.7E-06	3.7E-06	3.7E-06	3.7E-06	3.7E-06	3.7E-06	3.7E-06
LEAD	M	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MERCURY	M	8.1E-05	8.4E-05	8.4E-05	8.4E-05	8.4E-05	8.4E-05	8.4E-05	8.4E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05	1.7E-05
MOLYBDENUM	M	5.0E-05	na	na	na	na	na	na	na	3.4E-05	3.4E-05	3.4E-05	3.4E-05	5.6E-05	7.1E-05	3.4E-05
NICKEL	M	1.4E-04	2.8E-04	7.4E-05	1.1E-04	8.0E-05	7.8E-05	8.2E-05	8.9E-05	8.9E-05	1.1E-04	1.2E-04	1.1E-04	9.1E-05	1.1E-04	1.0E-04
SELENIUM	M	7.6E-05	2.5E-06	2.5E-05	5.4E-05	5.6E-05	6.6E-05	4.1E-05	3.2E-05	6.1E-05	6.1E-05	6.1E-05	6.1E-05	6.1E-05	6.1E-05	9.8E-05
SILVER	M	2.6E-04	1.3E-04	na	na	na	na	na	na	2.6E-04	2.6E-04	2.6E-04	2.6E-04	2.6E-04	2.6E-04	2.6E-04
ZINC	M	5.0E-06	7.4E-06	na	4.1E-06	na	3.5E-06	na	na	3.7E-06	3.4E-06	3.6E-06	3.8E-06	4.7E-06	4.2E-06	4.6E-06
BIS(2-ETHYLHEXYL)PHTHALATE	OS	8.1E-02	2.3E-02	4.3E-02	5.8E-02	2.5E-02	6.3E-02	1.1E-01	5.0E-02	8.3E-02	8.3E-02	8.3E-02	8.3E-02	8.3E-02	8.3E-02	8.3E-02
DI-N-BUTYL PHTHALATE	OS	2.1E-04	2.2E-04	2.2E-04	6.1E-05	2.0E-04	2.2E-04	1.0E-04	2.2E-04	2.0E-04	2.0E-04	2.0E-04	2.0E-04	2.0E-04	2.0E-04	2.0E-04
ACETONE	OV	5.7E-07	6.1E-07	5.8E-07	5.3E-07	5.3E-07	5.3E-07	5.3E-07	5.3E-07	na	na	na	na	na	na	na
CARBON DISULFIDE	OV	2.5E-04	7.2E-05	1.5E-04	2.0E-04	1.7E-04	2.5E-04	1.4E-04	7.2E-05	1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.4E-05	1.4E-05
CHLOROFORM	OV	2.6E-04	1.4E-04	2.9E-04	2.9E-04	2.9E-04	2.9E-04	2.9E-04	2.9E-04	5.7E-05	5.7E-05	5.7E-05	5.7E-05	5.7E-05	5.7E-05	5.7E-05
METHYL TERT-BUTYL ETHER	OV	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TRICHLOROETHENE	OV	1.6E-02	1.7E-02	1.7E-02	1.7E-02	1.7E-02	1.7E-02	1.7E-02	1.7E-02	3.4E-03	3.4E-03	2.0E-03	3.4E-03	3.4E-03	3.4E-03	3.4E-03
	Total:	**1.2E-01**	**4.4E-02**	**6.2E-02**	**8.1E-02**	**4.6E-02**	**8.4E-02**	**1.3E-01**	**6.9E-02**	**1.0E-01**	**1.0E-01**	**1.0E-01**	**1.0E-01**	**1.0E-01**	**1.0E-01**	**1.0E-01**

Notes:
M = metal; OS = semi-volatile organic; OV = volatile organic; PEST/PCB = Pesticide or PCB

"-" = no available potency factor for the risk endpoint considered

"na" = no available data in database (not analyzed for/data rejected/data gap) OR chemical not detected in Parcel

Table 4-30

Non-Cancer Dermal - Child-
Youth-Adult Recreational SW

Surface Water

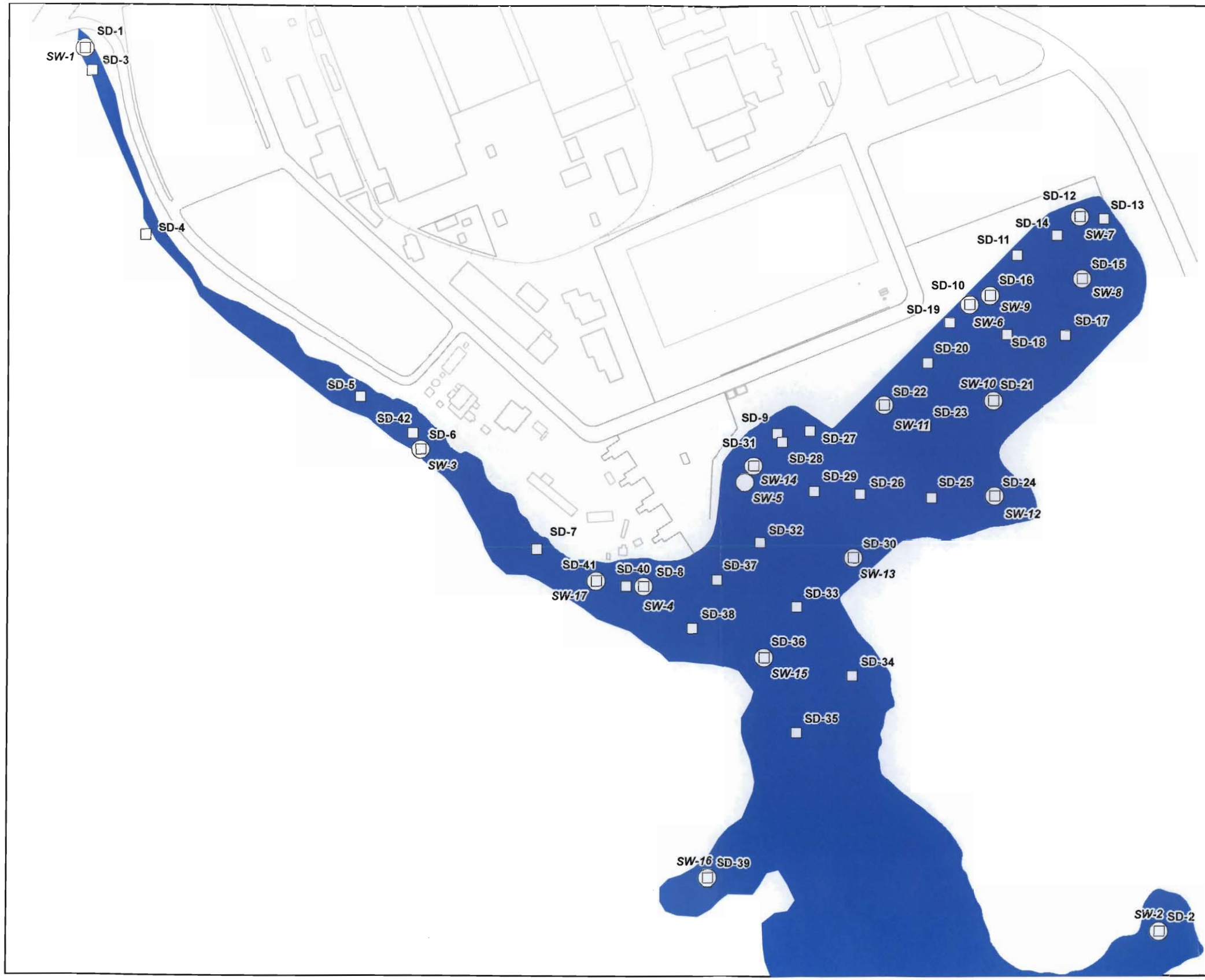
	Location:	SW-15	SW-16	SW-17
Chemical	**Type**	**Surface Water**	**Surface Water**	**Surface Water**
ANTIMONY	M	5.8E-03	8.8E-03	5.8E-03
ARSENIC	M	9.7E-04	9.7E-04	1.5E-03
BARIUM	M	1.0E-03	1.0E-03	9.6E-04
BERYLLIUM	M	2.1E-03	2.1E-03	2.1E-03
CADMIUM	M	2.7E-03	2.7E-03	2.7E-03
CHROMIUM	M	1.1E-03	2.0E-03	6.0E-04
COPPER	M	3.7E-06	3.1E-05	3.7E-06
LEAD	M	-	-	-
MERCURY	M	1.7E-05	1.7E-05	2.5E-05
MOLYBDENUM	M	3.4E-05	3.4E-05	5.9E-05
NICKEL	M	1.1E-04	1.7E-04	1.4E-04
SELENIUM	M	6.1E-05	6.1E-05	6.1E-05
SILVER	M	2.6E-04	2.6E-04	2.6E-04
ZINC	M	4.6E-06	6.2E-06	3.4E-06
BIS(2-ETHYLHEXYL)PHTHALATE	OS	8.3E-02	8.3E-02	8.3E-02
DI-N-BUTYL PHTHALATE	OS	2.0E-04	2.0E-04	2.0E-04
ACETONE	OV	na	na	na
CARBON DISULFIDE	OV	2.0E-05	1.4E-05	1.4E-05
CHLOROFORM	OV	5.7E-05	5.7E-05	5.7E-05
METHYL TERT-BUTYL ETHER	OV	-	-	-
TRICHLOROETHENE	OV	3.4E-03	3.4E-03	3.4E-03
	Total:	**1.0E-01**	**1.0E-01**	**1.0E-01**

Notes:
M = metal; OS = semi-volatile organic; OV = volatile organic; PEST/PCB = Pesticide or PCB

"-" = no available potency factor for the risk endpoint considered

"na" = no available data in database (not analyzed for/data rejected/data gap) OR chemical not detected in Parcel

Figure 4-1 - Sediment and Surface Water Sampling Locations



Legend

Sampling Locations

- Sediment
- Surface Water

LMC Middle River Complex

Feet
0 125 250 500

N

Date Modified: 1/24/06

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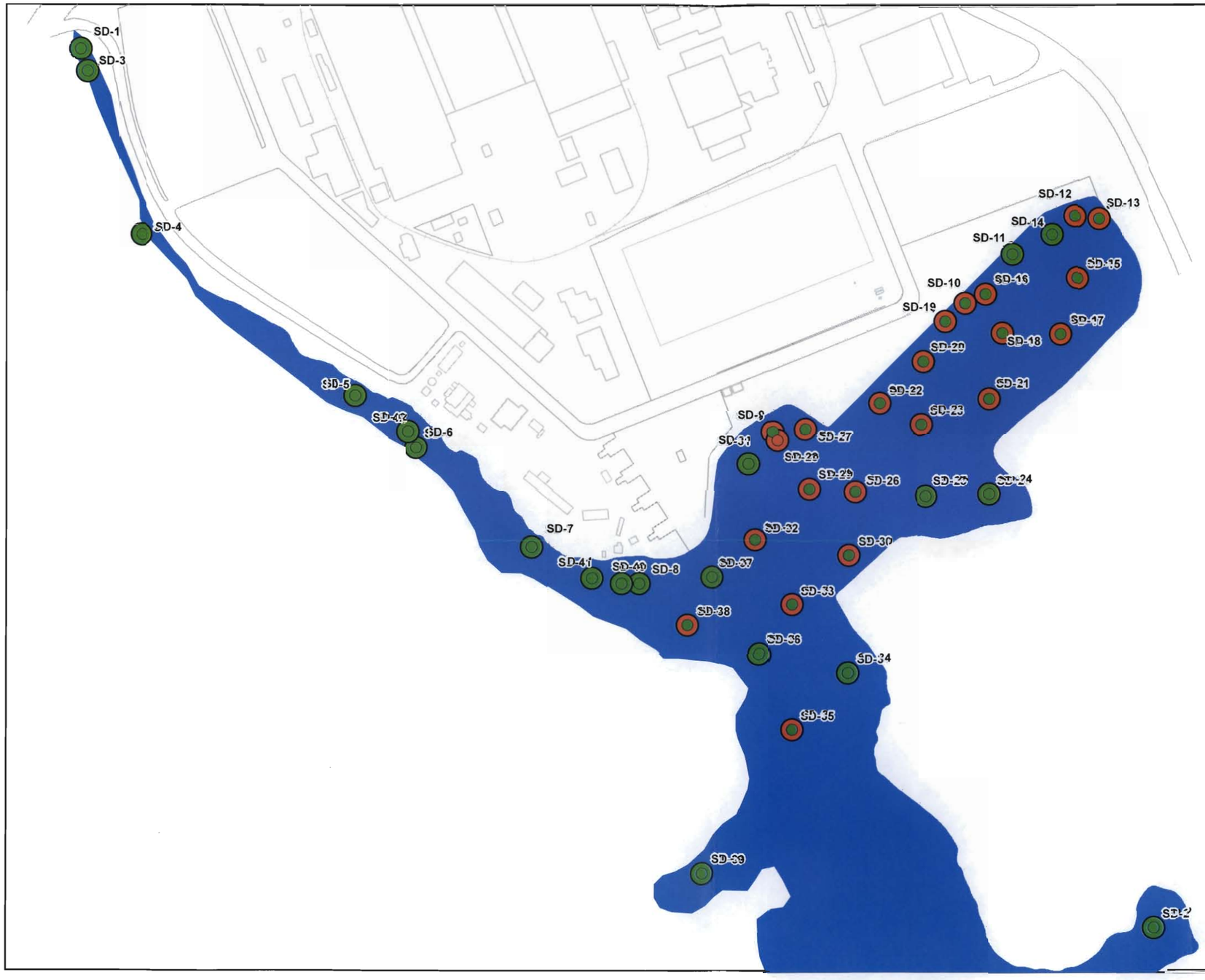

Figure 4-2 - Total Risks for Surface Sediment

Receptor Type:
Recreational

Exposure Pathways:
Ingestion + Dermal

Basis for Exposure Point Concentration:
Surface Sediment

Basis for Cancer Risk:
Child-Youth-Adult (30 yrs)

Basis for Non-Cancer Hazard Index:
Child (6 yrs)

Legend

Non-Cancer Hazard Index

- < 1.0
- > 1.0

Cancer Risks

- < 1.0e-5
- 1.0e-5 - 1.0e-4
- >1.0e-4

LMC Middle River Complex

Feet
0 125 250 500

N

Date Modified:
1/24/06

Created by:
J. Griffin

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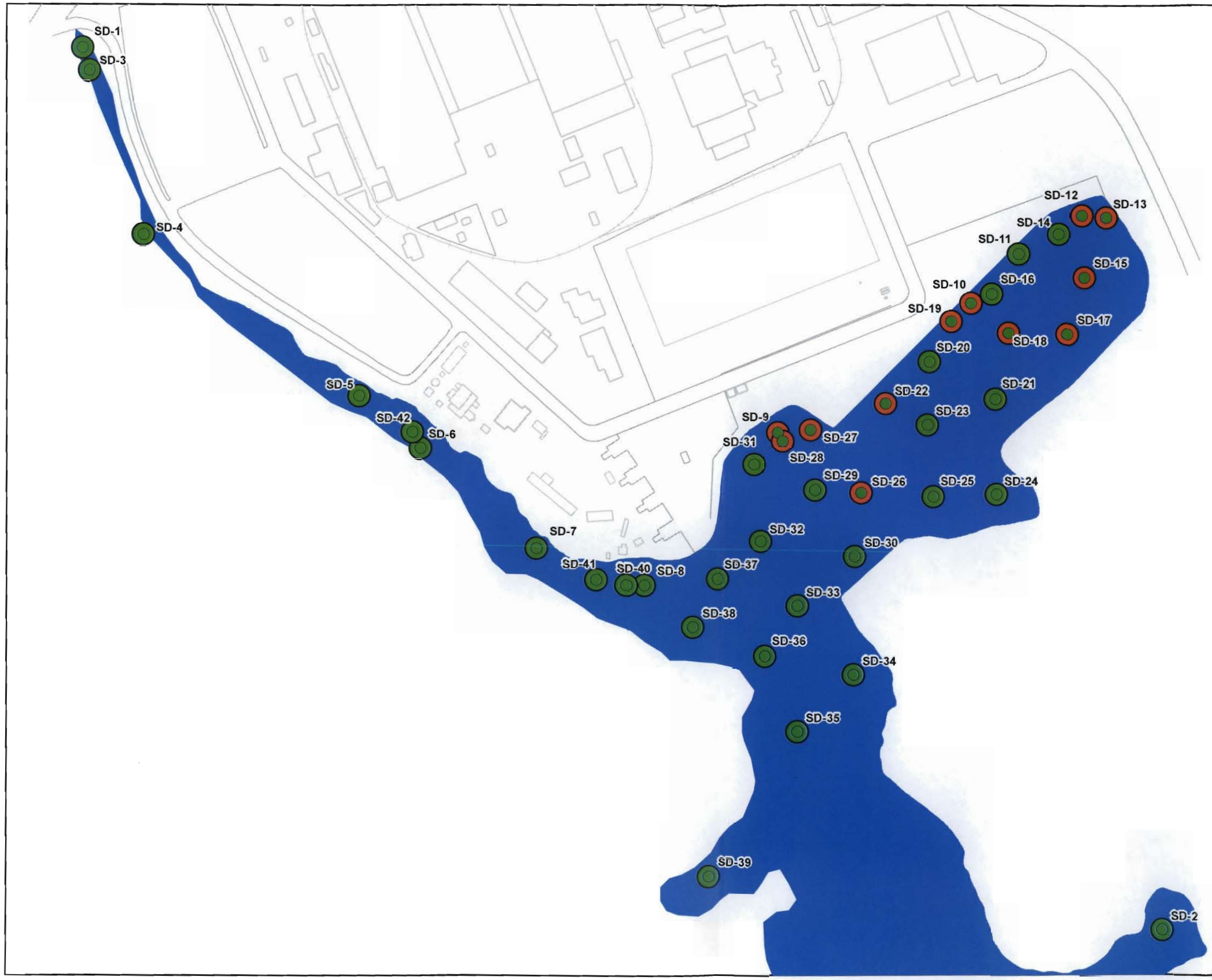

Figure 4-3 - Ingestion Risks for Surface Sediment

Receptor Type:
Recreational

Exposure Pathways:
Ingestion

Basis for Exposure Point Concentration:
Surface Sediment

Basis for Cancer Risk:
Child-Youth-Adult (30 yrs)

Basis for Non-Cancer Hazard Index:
Child (6 yrs)

Legend

Non-Cancer Hazard Index

- < 1.0
- > 1.0

Cancer Risks

- 2.2e-006 - 1.0e-005
- 1.1e-005 - 1.0e-004
- 1.1e-004 - 1.0e+001

LMC Middle River Complex

0 125 250 500 Feet

N

Date Modified:
1/24/06

Created by:
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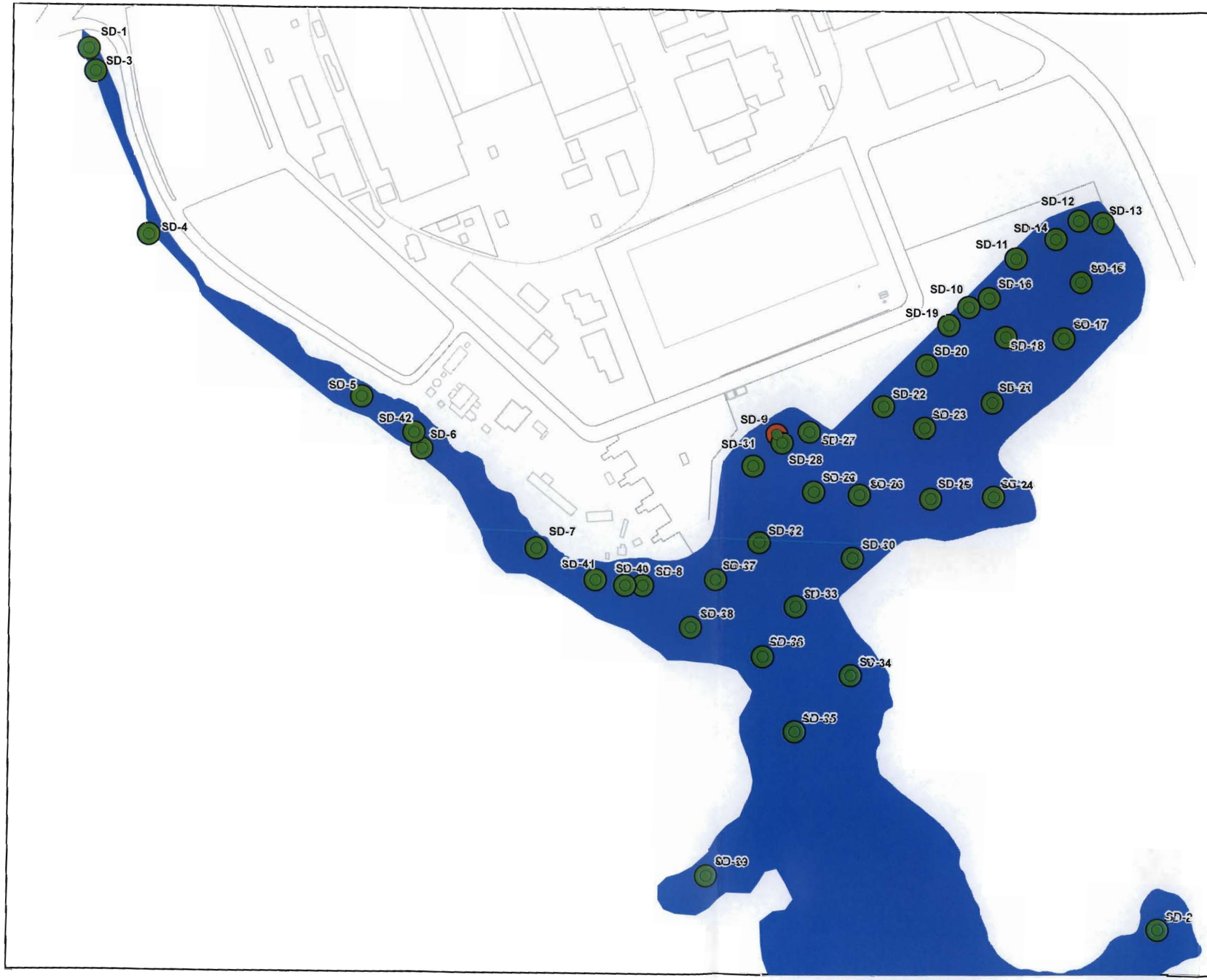

Figure 4-4 - Dermal Risks for Surface Sediment

Receptor Type:
Recreational

Exposure Pathways:
Dermal

Basis for Exposure Point Concentration:
Surface Sediment

Basis for Cancer Risk:
Child-Youth-Adult (30 yrs)

Basis for Non-Cancer Hazard Index:
Child (6 yrs)

Legend

Non-Cancer Hazard Index

- < 1.0
- > 1.0

Cancer Risks

- < 1.0e-5
- 1.0e-5 - 1.0e-4
- > 1.0e-4

LMC Middle River Complex

0 125 250 500 Feet

N

Date Modified:
1/24/06

Created by:
J. Griffin

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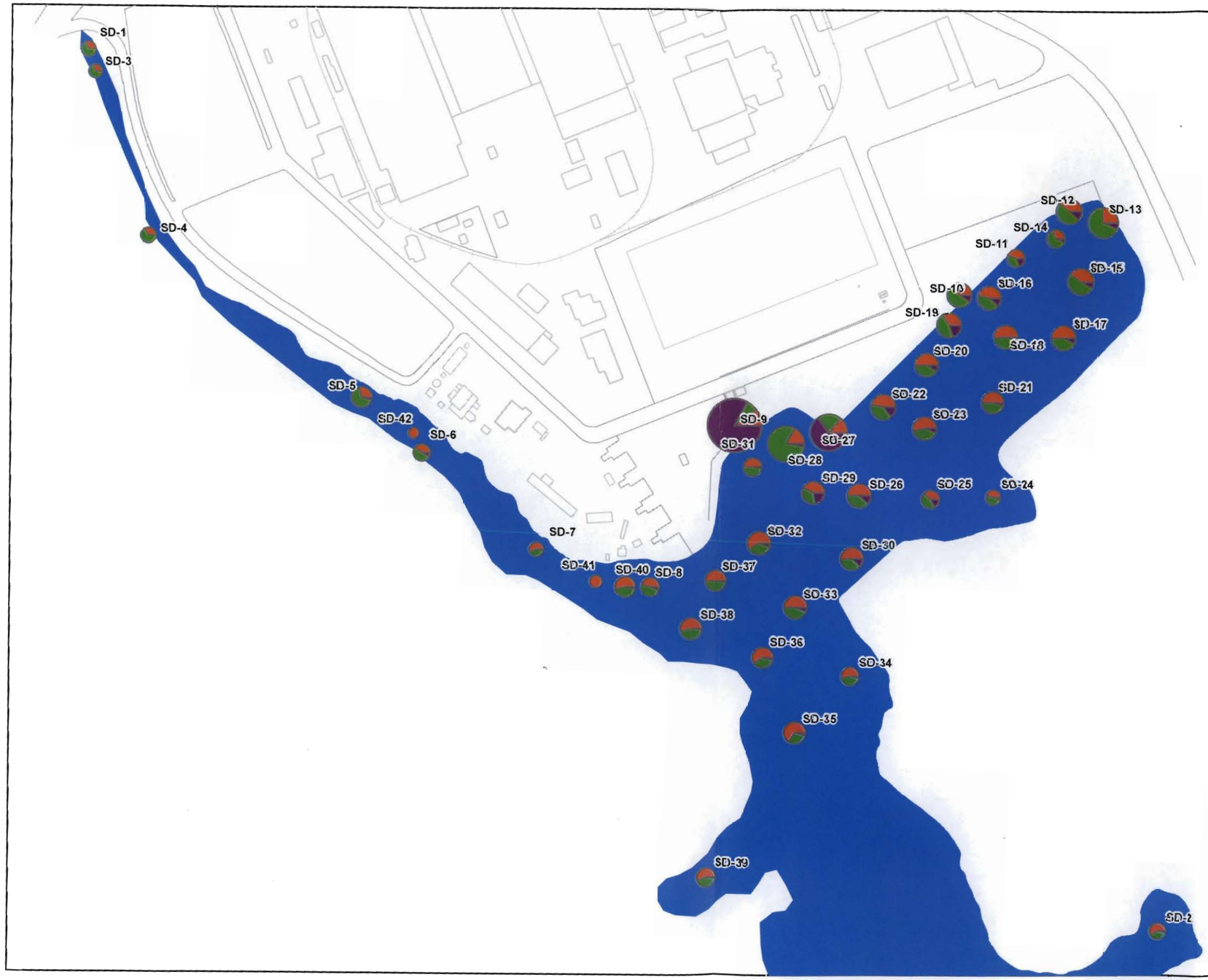

Figure 4-5 - Contribution of COPCs to Cancer Risks for Surface Sediment

Receptor Type:
Recreational

Exposure Pathways:
Dermal + Ingestion

Basis for Exposure Point Concentration:
Surface Sediment

Basis for Cancer Risk:
Child-Youth-Adult (30 yrs)

Legend

Cancer Risks

0.00005

Arsenic

PAHs

PCBs

LMC Middle River Complex

0 125 250 500 Feet

N

Date Modified:
1/24/06

Created by:
J. Griffin

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Figure 4-6 - Contribution of COPCs to Non-Cancer Risks for Surface Sediment

Receptor Type:
Recreational

Exposure Pathways:
Dermal + Ingestion

Basis for Exposure Point Concentration:
Surface Sediment

Basis for Non-Cancer Hazard Index:
Child (6 yrs)

Legend

Non-Cancer Hazard Index

1.1

- Arsenic
- Cadmium
- Vanadium
- Other Metals

LMC Middle River Complex

Feet
0 125 250 500

N

Date Modified:
1/24/06

Created by:
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Figure 4-7 - Total Risks for Sub-Surface (1ft) Sediment

Receptor Type:
Recreational

Exposure Pathways:
Ingestion + Dermal

Basis for Exposure Point Concentration:
Surface Sediment

Basis for Cancer Risk:
Child-Youth-Adult (30 yrs)

Basis for Non-Cancer Hazard Index:
Child (6 yrs)

Legend

Non-Cancer Hazard Index

- < 1.0
- > 1.0

Cancer Risks

- < 1.0e-5
- 1.0e-5 - 1.0e-4
- >1.0e-4

LMC Middle River Complex

0 125 250 500 Feet

N

Date Modified:
2/1/06

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Figure 4-8 - Total Risks for Sub-Surface (2ft) Sediment

Receptor Type:
Recreational

Exposure Pathways:
Ingestion + Dermal

Basis for Exposure Point Concentration:
Surface Sediment

Basis for Cancer Risk:
Child-Youth-Adult (30 yrs)

Basis for Non-Cancer Hazard Index:
Child (6 yrs)

Legend

Non-Cancer Hazard Index

- < 1.0
- > 1.0

Cancer Risks

- < 1.0e-5
- 1.0e-5 - 1.0e-4
- >1.0e-4

LMC Middle River Complex

0 125 250 500 Feet

N

Date Modified:
2/1/06

Created by:
J. Griffin

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Figure 4-9 - Total Risks for Surface Water

Receptor Type:
Recreational

Exposure Pathways:
Dermal + Ingestion

Basis for Exposure Point Concentration:
Surface Water

Basis for Cancer Risk:
Child-Youth-Adult (30 yrs)

Basis for Non-Cancer Hazard Index:
Child (6 yrs)

Legend

Non-Cancer Hazard Index

- < 1.0
- > 1.0

Cancer Risks

- < 1.0e-5
- 1.0e-5 - 1.0e-4
- > 1.0e-4

LMC Middle River Complex

0 125 250 500 Feet

N

Date Modified:
1/24/06

Created by:
J. Griffin

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Figure 4-10 - Total Ingestion Risks for Surface Water

Receptor Type:
Recreational

Exposure Pathways:
Ingestion

Basis for Exposure Point Concentration:
Surface Water

Basis for Cancer Risk:
Child-Youth-Adult (30 yrs)

Basis for Non-Cancer Hazard Index:
Child (6 yrs)

Legend

Non-Cancer Hazard Index

- < 1.0
- > 1.0

Cancer Risks

- < 1.0e-5
- 1.0e-5 - 1.0e-4
- > 1.0e-4

LMC Middle River Complex

Feet
0 125 250 500

N

Date Modified:
1/24/06

Created by:
J. Griffin

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Figure 4-11 - Total Dermal Risks for Surface Water

Receptor Type:
Recreational

Exposure Pathways:
Dermal

Basis for Exposure Point Concentration:
Surface Water

Basis for Cancer Risk:
Child-Youth-Adult (30 yrs)

Basis for Non-Cancer Hazard Index:
Child (6 yrs)

Legend

Non-Cancer Hazard Index

- < 1.0
- > 1.0

Cancer Risks

- < 1.0e-5
- 1.0e-5 - 1.0e-4
- > 1.0e-4

LMC Middle River Complex

0 125 250 500 Feet

N

Date Modified:
1/24/06

Created by:
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Figure 4-12 - Contribution of COPCs to Cancer Risks for Surface Water

Receptor Type:
Recreational

Exposure Pathways:
Dermal + Ingestion

Basis for Exposure Point Concentration:
Surface Water

Basis for Cancer Risk:
Child-Youth-Adult (30 yrs)

Legend

Cancer Risks

0.000017

Arsenic

Bis(2-Ethylhexyl)phthalate

MTBE

TCE

LMC Middle River Complex

Feet
0 125 250 500

N

Date Modified:
1/24/06

Created by:
J. Griffin

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Figure 4-13 - Contribution of COPCs to Non-Cancer Risks for Surface Water

Receptor Type:
Recreational

Exposure Pathways:
Dermal + Ingestion

Basis for Exposure Point Concentration:
Surface Water

Basis for Non-Cancer Hazard Index:
Child (6 yrs)

Legend

Non-Cancer Hazard Index

0.42

Metals

Semi-Volatiles

Volatiles

LMC Middle River Complex

0 125 250 500 Feet

N

Date Modified:
1/24/06

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Figure 4-14 - Concentrations or Arsenic in Surface Sediment

Legend

Arsenic Concentrations (mg/kg)

- < 2.5
- 2.5 - 5.0
- 5.0 - 7.5
- 7.5 - 10.0
- 10.0 - 12.5

LMC Middle River Complex

Feet
0 125 250 500

N

Date Modified: 1/26/06

Created by: J. Griffin

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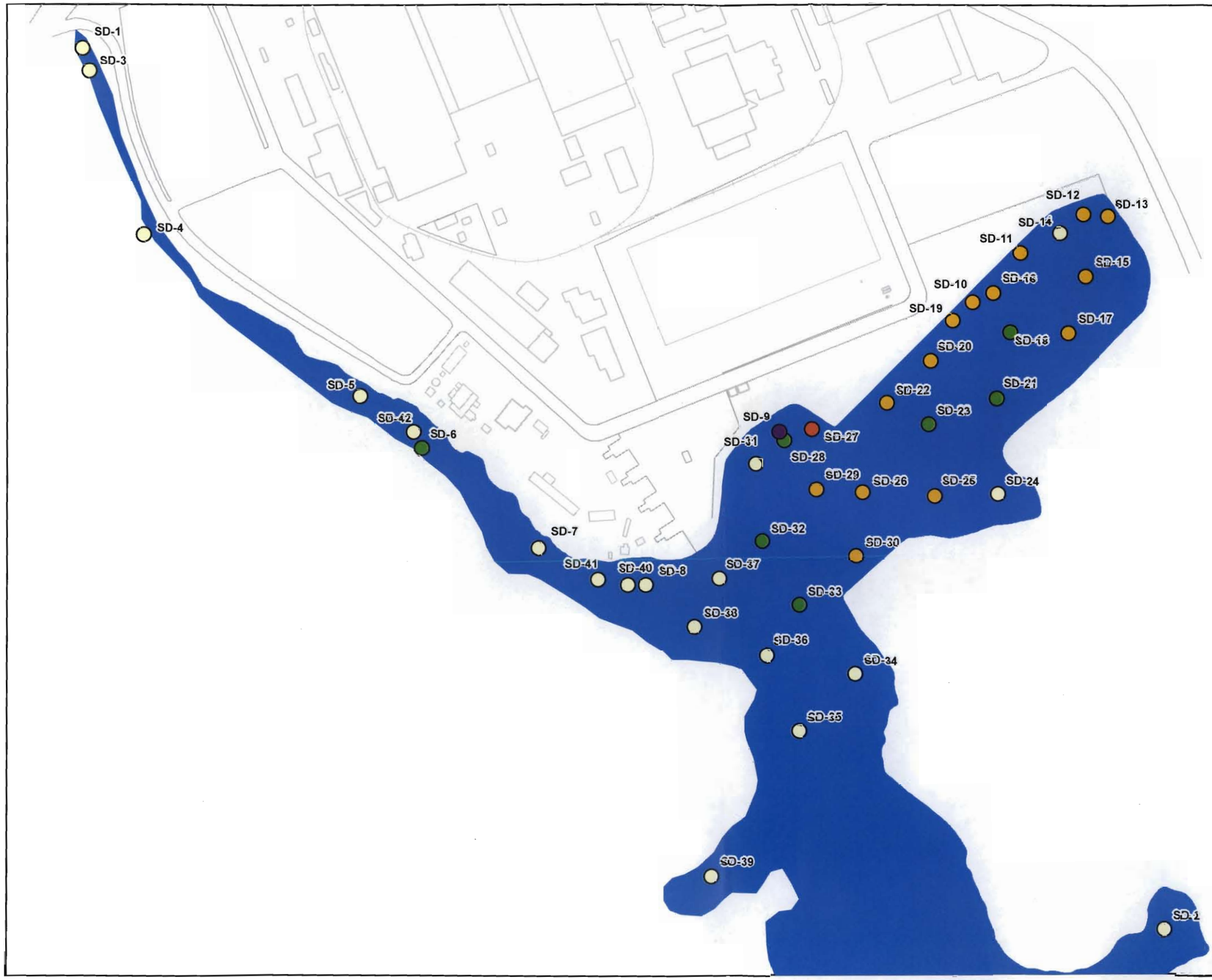
Figure 4-15 - Concentrations of Aroclor-1260 in Surface Sediment



Legend

Aroclor-1260 Concentrations

- < 0.5
- 0.5 - 1.0
- 1.0 - 5.0
- 5.0 - 20.0
- 20.0 - 55.0

LMC Middle River Complex

0 125 250 500 Feet

N

Date Modified: 2/1/06

Created by: J. Griffin

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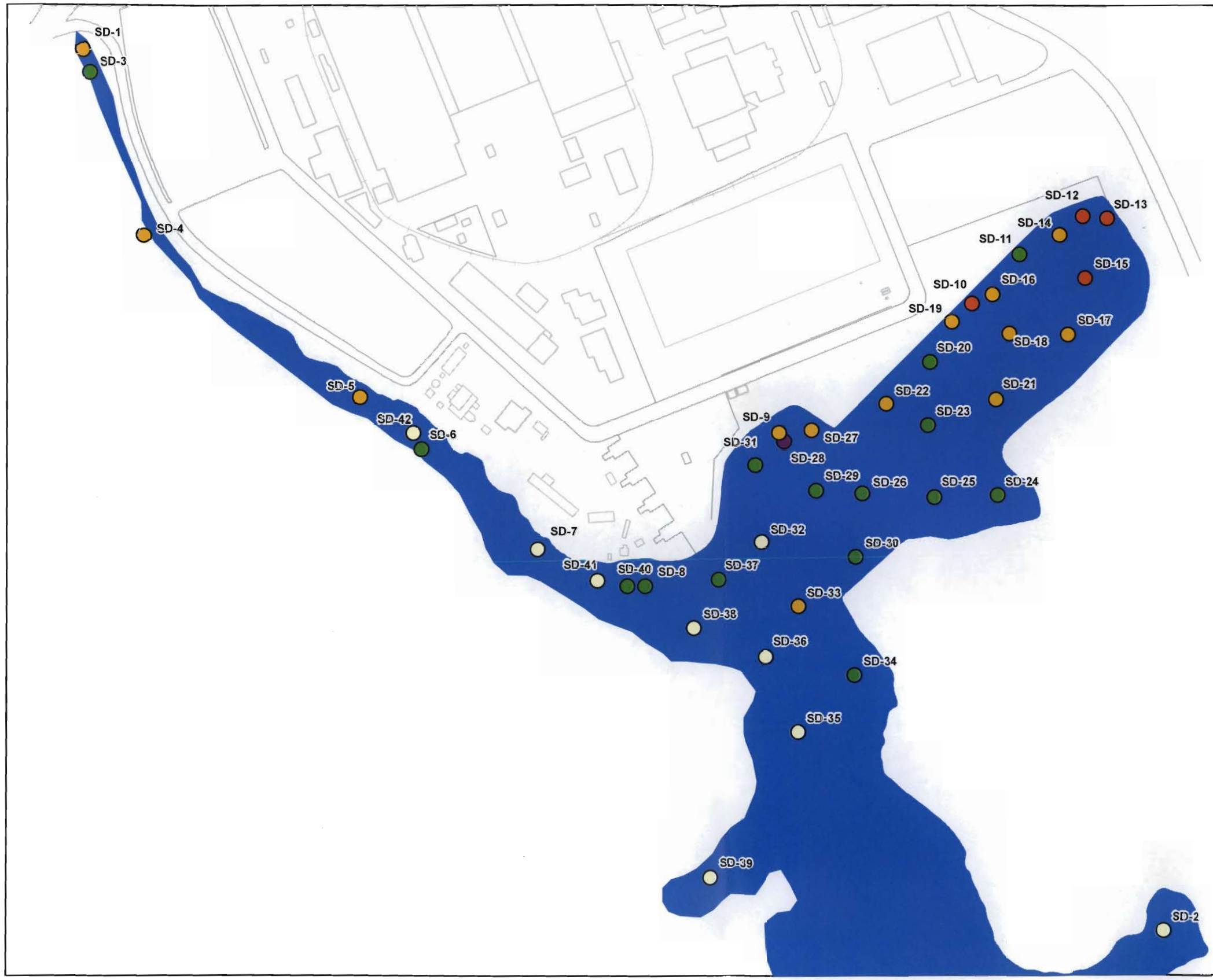
Figure 4-16 - Concentrations of Benzo(a)Pyrene in Surface Sediment



Legend

Benzo(a)Pyrene Concentrations

- < 0.2500
- 0.25 - 0.5
- 0.5 - 1.0
- 1.0 - 2.5
- 2.5 - 5.0

LMC Middle River Complex

Feet
0 125 250 500

N

Date Modified: 2/1/06

Created by: J. Griffin

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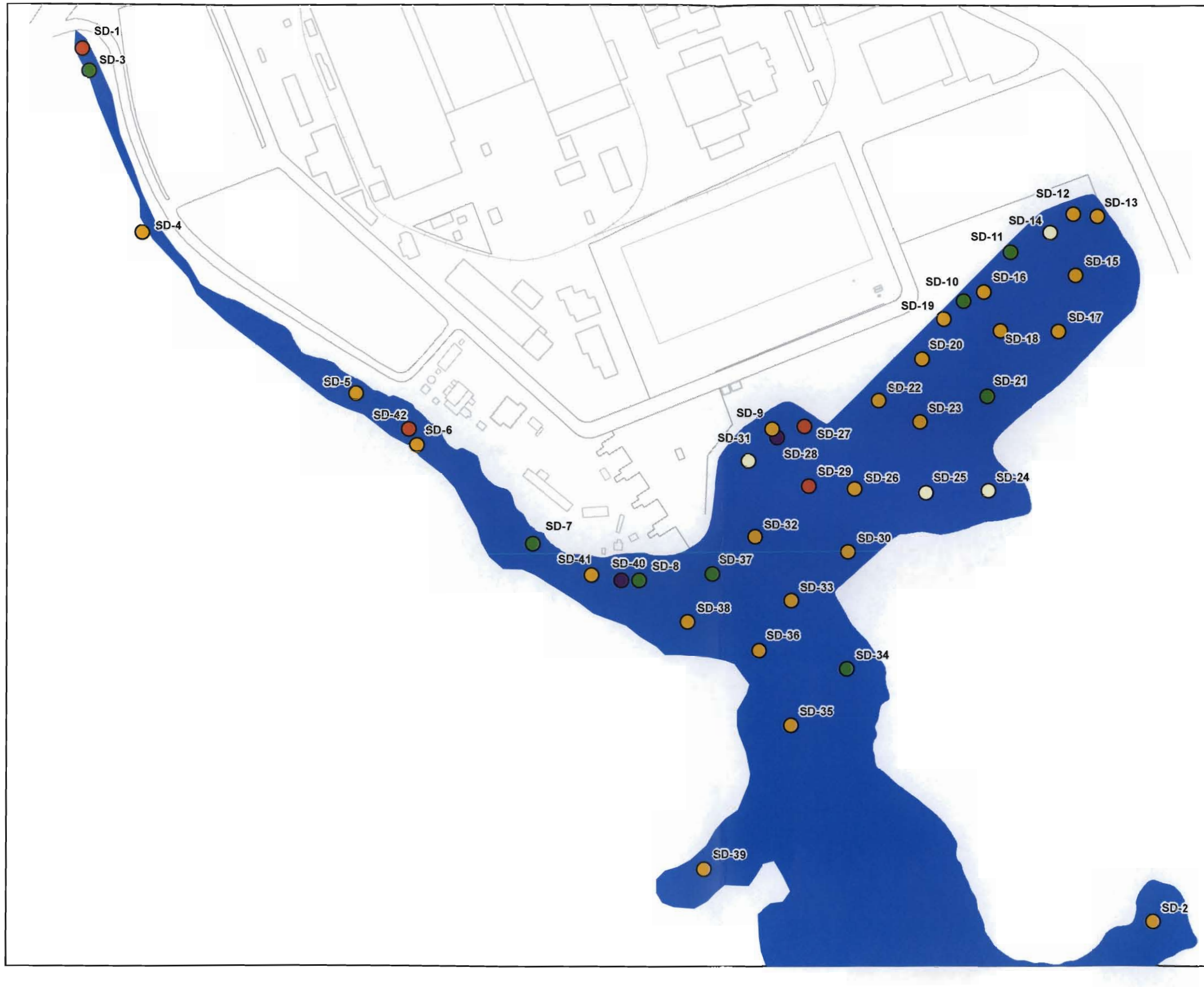
Figure 4-17 - Concentrations or Lead in Surface Sediment



Legend

Lead Concentrations (mg/kg)

- < 50.0
- 50.0 - 100.0
- 100.0 - 150.0
- 150.0 - 200.0
- 200.0 - 250.0

LMC Middle River Complex

Feet
0 125 250 500

N

Date Modified:	Created by:
1/26/06	J. Griffin

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Section 5
ECOLOGICAL RISK ASSESSMENT

This section presents the purpose, methods, and results of Step 1, Step 2, and an initial Step 3 aquatic Ecological Risk Assessment (ERA) for the surface water and sediments in Cow Pen Creek and Dark Head Cove, adjacent to the Chesapeake Industrial Park. Steps 1 and 2 of an ERA are initial screening processes designed to estimate the likelihood of ecological risk and to provide a basis for determining the necessity of the more thorough Step 3 ERA. The Step 3 ERA process involves a more refined food web exposure analysis to more realistically characterize risk to ecological receptors. The decision to proceed to any additional ERA steps is made as a part of the risk management decisions, specifically using Scientific Management Decision Points (SMDPs) built into the EPA ERA Process (EPA, 1997).

5.1 OBJECTIVES

This ERA incorporates the latest available guidance and concepts on ERA, including the following:

- *Ecological Risk Assessment Guidance for Superfund: Process for Designing and Conducting Ecological Risk Assessments* (EPA, 1997)
- *Guidelines for Ecological Risk Assessment* (EPA, 1998)
- *Issuance of Final Guidance: Ecological Risk Assessment and Risk Management Principles for Superfund Sites* (EPA, 1999a)

The overall objectives of the ecological risk screening approach are to characterize the ecological habitat, to identify the ecological receptors of concern (ROCs) and COPCs in each applicable medium (i.e., surface water and sediment), and to assess potential risks to the environment. The results of this approach will allow stakeholders to make informed decisions regarding environmental protection and regulatory compliance.

The screening level assessment comprises the first two steps of an eight-step process of ERA at Superfund sites. This methodology has been adapted for use in evaluating ecological risk in surface water and sediments around Chesapeake Industrial Park. The screening level process, as applied to the study area, consists of following three steps:

1. Problem Formulation and Ecological Effects Evaluation
2. Exposure Estimate and Risk Calculation
3. SMDPs to determine whether data are sufficient to make a risk decision or to go to Step 3

The screening level assessment approach corresponds to Steps 1 and 2 in Figure 5-1. Additionally, this risk assessment documents a more refined food web assessment for aquatic receptors at the study site as the initial steps for Step 3 as shown in Figure 5-1.

5.2 PROBLEM FORMULATION AND ECOLOGICAL EFFECTS EVALUATION

The problem formulation represents the scoping stage of an ERA. In this step, existing information is examined, the site visited, ROCs identified, a conceptual model for the site is developed to identify potential exposure pathways, and preliminary assessment and measurement endpoints are identified. Ultimately, the problem formulation generates one or more questions, speculations, or hypotheses regarding current or future human-induced changes to the environment. These questions are answered or hypotheses tested by collecting information during the analysis phase. The ecological significance of the results is evaluated during risk characterization step.

5.2.1 Environmental Setting

A site visit by Tetra Tech ecologists on April 12, 2005 was used to gather pertinent information for the ERA. Plant species at the MRC can be divided into two distinct habitats, field habitat and riparian forest. Most of the undeveloped land surrounding Cow Pen Creek and Dark Head Cove is field habitat (approximately 95 percent) and consists of open areas with no woody plants. Riparian forest habitat (approximately 5 percent) borders Cow Pen Creek in the vicinity of North American Electric and is very limited in size. Across from Chesapeake Industrial Park land use is primarily residential and is characterized as open area.

Dark Head Cove is a freshwater tidal water bodies that are one of the many upper inlets associated with Chesapeake Bay. The area is surrounded by urban and commercial land uses. Cow Pen Creek flows into Dark Head Cove. Cow Pen Creek is a small tributary surrounded by a narrow

riparian corridor. The area is influenced by runoff from Chesapeake Industrial Park, Martin State Airport, and surrounding roadways including Eastern Boulevard. In addition discharge of impacted shallow groundwater may also impact the area.

Although the variety of habitat is limited around the study site (dominated by field habitat), many species could still occur. Based on the observed condition of the habitats, the most prevalent wildlife in the area is expected to consist of aquatic and migratory bird species including geese, ducks, herons, finches, sparrows, robins, hawks, gulls, osprey, and kingfishers (Table 5-1). Small mammals such as foxes, moles, shrews, rabbits, woodchucks, squirrels, muskrats, and raccoons could also occur (Table 5-1). Large mammals other than white-tailed deer are unlikely to be present due to urbanization and lack of forest habitat in the region. It is likely that frogs and other amphibians are present as well based on the proximity to water bodies such as Dark Head Creek. Reptiles likely to occur at this site include snakes and lizards (Table 5-1).

5.2.2 Receptors of Concern

Ecological ROCs are species or guilds of species that are important to the ecology of the site and that may be susceptible to chemical constituents released into the environment. The following five criteria were used to evaluate potential ecological ROCs for this ERA:

- Presence – known or expected to occur on site
- Susceptibility – exposure pathway is likely complete and of sufficient duration/magnitude
- Representative – of the food web and/or guild
- Data Availability – sufficient and appropriate type of toxicity and exposure information
- Societal Importance – species merits public attention

The following sections summarize the ROCs selected for this ERA and the rationale for selecting them.

5.2.2.1 Threatened or Endangered Species

Current information suggests that State or federal threatened or endangered species do not occur at this site and so are not applicable to this ERA (MDNR, 2004).

5.2.2.2 Other Species

Aquatic habitats are present along Dark Head Cove. ROCs identified as representative of this type of environment include the raccoon (representative of omnivorous mammals), mallard duck (representative of omnivorous birds), and the belted kingfisher and great blue heron (representative of piscivores). In addition, aquatic invertebrates including small benthic invertebrates inhabiting the sediment as well as more mobile aquatic invertebrates such as blue crabs and fish that live in both the water column and sediment have been designated as aquatic ROCs.

5.2.3 Ecological Risk Conceptual Site Model

The conceptual site model is an end product of the problem formulation step. It contains a description of the physical and ecological characteristics of the site, potential exposure scenarios, ROCs, and assessment and measurement endpoints. Figure 5-2 presents the ecological conceptual site model for the LMC MRC.

5.2.4 Assessment and Measurement Endpoints

EPA guidance (1998) stresses the importance of ecologically significant endpoints. The selection of assessment endpoints is based on fundamental knowledge of the local ecology. Based on the ROCs observed during the site visit, existing habitat, and the above observations, the following ecological assessment endpoints are defined:

1. Protection of aquatic organisms that live in the water column in the creeks in the study area by determining that COPCs in surface water do not have adverse direct toxicity effects.

2. Protection of benthic organisms that live in the sediment in the creeks by determining that COPCs in sediment do not have adverse direct toxicity effects.

3. Protection of birds, represented by the omnivorous aquatic mallard duck and the piscivorous belted kingfisher and the great blue heron, by determining that ingestion of COPCs in food items, sediment, and surface water does not have unacceptable adverse impacts on survival, growth, and reproduction of higher trophic levels.

4. Protection of mammals, represented by the omnivorous raccoon, by determining that ingestion of COPCs in food items, sediment, and surface water does not have unacceptable adverse impacts on survival, growth, and reproduction of higher trophic levels.

Measurement endpoints are measurable ecological characteristics that are related to the assessment endpoints (EPA, 1998). Because it is difficult to "measure" assessment endpoints, measurement

endpoints were chosen that permit inference regarding the above-described assessment endpoints. Measurement endpoints selected for this risk assessment include the following (see Table 5-2):

- Media Chemistry for Surface Water – The measurement of chemical constituent concentrations in surface water provides the means, when compared to water quality criteria, for drawing inferences regarding the protection of aquatic organisms that live in the water column. Surface water samples collected at the study site are discussed in Section 3.1.

- Media Chemistry for Sediment – The measurement of chemical constituent concentrations in sediment provides the means, when compared to appropriate sediment screening values, to assess the protection of benthic organisms that live in the sediment. Sediment samples collected at the study site are discussed in Section 3.2.

Media chemistry data were compared to toxicological data in the scientific literature to develop measurement endpoints related to direct contact and ingestion pathways affecting the assessment endpoints

5.3 COPC SCREEN

Validated surface water and sediment data for the March and October 2005 sampling events were utilized in this ERA. In accordance with EPA ERA guidance, and for statistical purposes, one-half the SQL was used as the value of samples determined to contain concentrations less than detectable levels.

The screening process that identifies COPCs is environmentally conservative so as not to eliminate analytes that could pose potential ecological risk. Using conservative assumptions and appropriate screening values during the COPC screening process minimizes this potential. Analytes remaining after the screening process are COPCs.

5.3.1 Surface Water COPC Identification

Cow Pen Creek and Dark Head Cove are freshwater. Sources of surface water screening toxicity values (STVs) and toxicity reference values (TRVs) for freshwater include the following:

- National Ambient Water Quality Criteria (EPA, 1999b and 2002).
- USEPA Ecotox Thresholds (EPA, 1996).

- USEPA Region 3 Biological Technical Assistance Group (BTAG) screening levels (EPA, 1995a).
- USEPA Region 5 RCRA Ecological Screening Levels (EPA, 2003).
- USEPA Region 4 screening values (EPA, 1999c).
- Scientific literature, such as the Aquatic Information Retrieval (AQUIRE) database and Suter and Tsao (1996), and literature compilations such as Buchman (1999).

For metals, both unfiltered (total) and filtered (dissolved) concentrations were included in the STV comparisons. For chemicals known to bioaccumulate in aquatic food webs, STVs were based on the final chronic value (rather than the final residue value) as per EPA (1996) and Suter and Tsao (1996). The use of final chronic values is intended to protect ecological receptors from direct exposure to chemicals in surface water, rather than from exposure via food webs. Potential risks to upper trophic-level receptors from food web exposures (tissue residues) were evaluated separately (see Section 5.4). Surface water STVs used in this study are summarized in Table 5-3.

Maximum concentrations of seven metals, one SVOC and one VOC, exceeded screening values for surface water (Table 5-4). Fifteen additional SVOCs and five PCBs were identified as COPCs because one-half the maximum reporting limit was greater than the TRV (Table 5-4). An additional metal, 15 SVOCs, and 25 VOCs, were identified as COPCs because they lack STVs (Table 5-4).

5.3.2 Sediment COPC Identification

Sources of sediment STVs and TRVs included the following:

- EPA Region 3 BTAG screening levels (1995a). However, these values are primarily Effects Range-Low (ER-L) values (Long and Morgan, 1990; Long et al., 1995) and Apparent Effects Thresholds (AETs) from various literature sources. ER-L values were derived for marine and estuarine systems, but surface waters near the study area are freshwater. These values have often been used to assess freshwater systems, but only in the absence of appropriate freshwater screening levels. Certain AET values may have been derived from freshwater studies, but because the AET represents the sediment contaminant concentration above which statistically significant biological effects are expected to occur, they may be overprotective.

- EPA Region 4 screening values (1999c).

- EPA Region 5 Resource Conservation and Recovery Act (RCRA) Ecological Screening Levels (2003).

- Ontario freshwater sediment screening guidelines (Persaud et al., 1993).

- EPA Ecotox Thresholds (1996).
- Sediment values developed as part of ongoing Great Lakes sediment research (e.g., Smith et al., 1996; Ingersoll et al., 1996).
- Scientific literature and literature compilations (e.g., Buchman, 1999).

These TRVs are typically based on studies that correlate chemical concentrations in sediment with some measure of benthic community impairment; this approach is known as the Screening Level Concentration approach. Because these TRVs do not consider site-specific bioavailability, and because they correlate effects to each individual chemical without accounting for the possible effects of other chemicals in the sediment, their use tends to result in a conservative estimate of risk. Sediment STVs used in this study are summarized in Table 5-5.

Thirteen metals, 19 SVOCs, two VOC, and one PCB were identified as COPCs in sediment due to concentrations exceeding the respective screening value (Table 5-6). In addition, three metals, 20 SVOCs, and 43 VOCs were retained as COPCs based on the absence of STVs (Table 5-6). Twenty-seven SVOCs, two VOCs, and six PCBs were identified as COPCs because one-half the maximum reporting limit was in excess of the screening value (Table 5-6).

5.3.3 Summary of Ecological COPCs

A summary of ecological COPCs for all matrices identified at the end of Step 1 of the aquatic ERA is shown in Table 5-7.

5.4 STEP 2 ECOLOGICAL RISK ASSESSMENT

A Step 2 ERA intentionally uses conservative exposure assumptions designed to retain and properly evaluate all contaminants that might pose a risk to ROCs. Exposure assessment is a key component of risk quantization evaluated in Step 2, linking contaminants to receptors through complete pathways. Exposure refers to the degree of contact between ecological receptors at a site and the COPC. COPCs that are bioaccumulative are examined in upper trophic-level receptor food webs where indirect contact (dietary exposure) is the most relevant exposure pathway. All COPCs are evaluated for direct contact by receptors such as aquatic water column communities and benthic invertebrates.

5.4.1 Direct Exposure of Benthic and Aquatic Communities to Sediment and Surface Water

The relevant pathway for exposure of COPCs in sediments and surface water to benthic and aquatic communities is chronic exposure to sediment and surface water contaminants that may exhibit a detrimental effect on survival, growth, and reproduction. Maximum sediment and surface water concentrations were compared to sediment and surface water TRVs. It was assumed that the COPCs are 100 percent bioavailable to the organisms for uptake and that they are always present at the maximum concentration observed. An HQ was calculated for aquatic plants and invertebrates assuming that COPCs are 100 percent bioavailable for uptake by the plants and invertebrates. An HQ greater than or equal to 1.0 indicates that ecological risk is possible, and a HQ less than 1.0 indicates that ecological risk is unlikely. HQs were calculated as follows:

$$HQ = \frac{\text{Maximum Surface Water or Sediment Concentration}}{\text{Sediment or Surface Water TRV}}$$

5.4.2 Indirect Exposure of Higher Trophic Levels to COPCs (Food Web Analyses)

5.4.2.1 Aquatic Food Web

Bioaccumulation factors (BAFs) for aquatic invertebrates, plants, and fish used for the determination of exposure by the raccoon, mallard duck, belted kingfisher, and great blue heron are shown in Table 5-8. In the absence of published aquatic invertebrate BAFs, a BAF = 1.0 was used.

Fish BAFs were used to estimate the concentrations of COPCs in sediment that are transferred to fish living in that system. The equation used to make this estimate is as follows:

$$[X]_{fish} = [x]_{sediment} \times BAF_{sediment}$$

where:

$[X]_{fish}$ = the concentration of chemical X in fish

$[x]_{sediment}$ = the concentration of chemical X in the sediment

BAF = the bioaccumulation factor

The bioconcentration factor (BCF) is used to approximate the chemical concentrations found in prey items (fish) living in water at certain chemical concentration. The equation used to estimate this concentration is as follows:

$$[X]_{fish} = [x]_{surface\ water} \times BCF_{surface\ water}$$

where:

$[X]_{fish}$ = the concentration of chemical X in fish (wet weight)

BCF = the bioconcentration factor

$[X]_{surface\ water}$ = the concentration of chemical X in the surface water

Most BAFs are less than 1.0, indicating that expected concentrations in organisms are less than than those found in sediment. Most fish BCFs are much higher than 1.0 due to the ease with which many contaminants from surface water can move across the gill membranes. Higher trophic-level organisms that subsist on fish, such as the belted kingfisher, are exposed indirectly to contaminants in sediment and surface water via the food source. Fish, as a food source, can be exposed to surface water contaminants directly and sediment contaminants indirectly (via dietary uptake of benthic macroinvertebrates). However, many bioaccumulative contaminants (especially organic compounds) are fairly hydrophobic (insoluble in water) and are only present in low concentrations in water. For many of these contaminants, the food chain pathway (sediments - plants and macroinvertebrates – fish – birds and mammals) is the major route by which they occur in receptors.

5.4.2.2 Aquatic Upper Trophic-Level Dosage

The total dose to upper trophic-level organisms is calculated as follows:

$$Dose_{total} = Dose_{food} + Dose_{sediment} + Dose_{surfacewater}$$

where:

$Dose_{total}$ = Total daily dose of COPC received by receptor; mg COPC/kg-body wt./day

$Dose_{food}$ = Daily dose of COPC received by receptor from most contaminated food item; mg COPC/kg-body wt./day

$Dose_{soil/sediment}$ = Daily dose of COPC received by receptor from incidentally ingested sediment; mg COPC/kg-body wt./day

$Dose_{water}$ = Daily dose of COPC received by receptor from ingestion of surface water; mg COPC/L/day

The total dose from food is given by the following equation:

$$Dose_{food} = F_f \times U \times C_f$$

where:

F_f = Total daily feeding rate in kg food (wet basis)/kg-body weight of ROC/day (wet basis)

U = Habitat usage factor (fraction of habitat range represented by site) for receptor; assumed to be 1.0 for the Step 2 food web

C_f = Concentration of COPC in food; calculated using the maximum dose as determined in each contaminated food item [mg COPC/kg food(wet basis)]

The total dose from incidental ingestion of sediment is given by the following equation:

$$Dose_{sediment} = F_s \times U \times C_s$$

where:

F_s = Total daily incidental sediment ingestion rate in kg sediment (dry basis)/ kg-body weight of ROC/day (wet basis)

U = Habitat usage factor (fraction of habitat range represented by site) for receptor; assumed to be 1.0 for the Step 2 food web

C_s = Concentration of COPC in sediment; mg COPC/kg sediment (dry basis)

The total daily sediment feeding rate is given by the following equation:

$$F_s = F_f \times F_{sediment}$$

where:

F_s = Total daily incidental sediment ingestion rate in kg soil/day (wet basis)

F_f = Total daily feeding rate in kg food/day (wet basis)

$F_{soil/sediment}$ = Fraction incidental sediment ingestion as a proportion of food ingestion rate

Lastly, the total dose from surface water is given by the following equation:

$$Dose_{surfacewater} = F_w \times U \times C_w$$

when:

F_w	=	Total daily surface water ingestion rate in surface water/kg body weight of ROC/day
U	=	Habitat usage factor (fraction of habitat range represented by site) for receptor; assumed to be 1.0 for the Step 2 food web
F_w	=	Concentration of COPC in surface water; mg COPC/L water

Information necessary for this calculation includes organism body weight (BW), food ingestion rate (F_f), fraction incidental sediment ingestion as a proportion of food ingestion rate ($F_{sediment}$), and analyte concentrations of ingested materials. Ingested media include both abiotic (sediment) and biotic (food item) materials. Information specifically relevant to the ecology of the ROC (e.g., BWs and F_f values) was obtained from published sources (Table 5-9).

Upper trophic-level terrestrial receptors that utilize aquatic habitat, like the raccoon or kingfisher, are exposed by direct contact or through ingestion of food exposed to the sediment. The starting point for the evaluation of aquatic receptors is the concentration of each COPC in the solid matrix, in this case sediment.

5.4.2.3 Indirect Exposure of Mammals and Birds to Sediment and Surface Water

The relevant pathway through which mammalian and avian ROCs dependent on aquatic-derived food are exposed to sediment and surface water COPCs is through chronic exposure to sediment and surface water contaminants via dietary uptake. The ROCs occupy different feeding guilds but have diets that contain potential vectors for site-related sediment and surface water contaminants. The Step 2 aquatic risk assessment assumed that all ROCs consumed only the most contaminated food item. Incidental sediment and surface water ingestion also was included in this assessment.

In Step 2, bioaccumulative COPC concentrations in food organisms were calculated as the maximum sediment or surface water concentration multiplied by the maximum BAF/BCF for sediment and surface water. All dietary concentrations are presented on a dry-weight basis, but dietary contaminants are assumed to be consumed at a much higher wet-weight basis.

Dietary exposures for ROCs were estimated as body-weight-normalized daily doses for comparison to a body-weight-normalized daily dose TRV. The daily dose for a given receptor to a given COPC is calculated by multiplying the total feeding rate by the concentration in the most contaminated food item. The habitat usage factor is assumed to be equal to 1.0 (100 percent usage at the study site) for this food web. Separate doses are presented for sediment, surface water, and food contributions and then summed to produce the total dose for each ROC.

Information specifically relevant to the ecology of the aquatic ROCs (i.e., BWs and $F_{f\ values}$) is presented in Table 5-9. The primary source used for these exposure parameters was EPA (1993).

5.4.3 Toxicity Assessment

Lower trophic-level receptor species (e.g., fish and macroinvertebrates) were evaluated based on those taxonomic groupings for which medium-specific TRVs have been developed. As such, specific species of lower trophic-level biota were not chosen as receptor species because of the limited information available for specific species and because aquatic biota are dealt with on a community level via a comparison to surface water and sediment TRVs.

Upper trophic-level receptor exposures (via food webs) to chemicals present in surface water and sediment were determined by estimating the chemical concentrations in the most contaminated dietary component for each receptor as described in the previous section. Incidental ingestion of sediment and surface water was included when calculating the total exposure. Dietary intakes for each upper trophic-level receptor were calculated as per Section 5.4.2.2.

5.4.4 Risk Characterization for Step 2

The risk characterization portion of the ERA used the information generated during the two previous parts of the ERA (problem formulation and analysis) to estimate potential risks to

ecological receptors at the level of conservatism applied (screening or baseline). Also included is an evaluation of the uncertainties associated with the models, assumptions, and methods used in the ERA, and the potential effects of these uncertainties on the conclusions of the assessment.

The main objective of risk characterization at the screening level (termed risk calculation) is to derive a list of COPCs. As part of this risk calculation, the exposure concentrations (abiotic media) or exposure doses (upper trophic-level receptor species) are compared to the corresponding TRVs to derive risk estimates using the HQ method (Tables 5-10 and 5-11). HQs were calculated by dividing the chemical concentration in the medium being evaluated by the corresponding medium-specific TRV or by dividing the exposure dose by the corresponding ingestion-based TRV. HQs equaling or exceeding 1.0 indicate the potential for unacceptable risk because the chemical concentration or dose (exposure) equals or exceeds the TRV (effect). However, TRVs and exposure estimates are derived using intentionally conservative assumptions at the screening level such that HQs greater than or equal to 1.0 do not necessarily indicate that risks are present or impacts are occurring. Rather, HQs greater than 1.0 identify chemical-pathway-receptor combinations requiring further evaluation using more realistic exposure scenarios and assumptions. Following the same reasoning, HQs less than 1.0 indicate that risks are unlikely, enabling a conclusion of negligible risk to be reached with high confidence.

EPA guidance (1997) specifies that a screening ecotoxicity value should be "equivalent to a documented or best conservatively estimated chronic No Observed Adverse Effect Level (NOAEL)." Because there is wide variation in the literature on NOAELs, risks were also calculated for conservatively estimated Lowest Observed Adverse Effect Levels (LOAELs) to provide some frame of reference for the results.

Sample et al. (1996) was used as the primary source for NOAEL and LOAEL TRVs for mammals and birds. When analyte/receptor combinations were not located in Sample et al. (1996), other scientific literature (i.e., ATSDR, 1990, 1994a, 1994b, 1995, 1996, 1997, 1999a and 1999b; Coulston and Kolbye, 1994; EPA, 1999a, 1997, and 1995; Eisler, 1996; and TERRETOX, 2002) was used to select alternative toxicity values.

COPCs for which HQs are not available do not have defined TRVs. These COPCs cannot be eliminated as a concern, although the risk they pose cannot be quantified. Such COPCs were considered an uncertainty in Step 2 and carried forward to Step 3 of the ERA process.

For Step 2, the potential hazards were characterized through comparisons of exposure (i.e., dosage) concentrations (using the maximum soil concentration of each bioaccumulative COPC at

the study site multiplied by its 90th percentile BAF for the most contaminated food item) to the NOAEL TRVs, listed in Table 5-10.

5.4.5 Step 2 Aquatic Receptor Risk Characterization Results

Summaries of the direct exposure risks to benthic invertebrates and aquatic communities are reported in Tables 5-12 and 5-13, respectively. Thirteen metals, 45 SVOCs, eight VOCs, and seven PCBs were determined to have high enough concentrations in sediment to have maximum HQ values in excess of 1.0. In addition, maximum HQ values could not be calculated for three metals, 20 SVOC, and 44 VOCs because TRVs were unavailable.

Seven metals, 16 SVOCs, one VOC, and five PCBs were present in the water column in sufficient concentrations to have maximum HQ values greater than 1.0. There was one metal, 15 SVOCs, and 28 VOCs for which no TRV values were available.

Details of the Step 2 aquatic food web are summarized in Table 5-14.

5.4.5.1 Avian Aquatic Species

Mallard

Eight metals and seven PCB COPCs pose a potential risk to the mallard due to HQs in excess of 1.0. 4-Bromophenyl-phenylether, 4-chlorophenyl-phenylether, hexachlorocyclopentadiene, hexachloroethane, and 1,1,1,2-tetrachloroethane were also carried forward to Step 3 due to the lack of NOAELs for the mallard.

Belted Kingfisher

Seven metals, 15 SVOCs, and seven PCBs were calculated as having a potential risk to the belted kingfisher as evidenced by NOAEL HQs greater than 1.0. Four SVOCs (4-bromophenyl-phenylether, 4-chlorophenyl-phenylether, hexachlorocyclopentadiene, and hexachloroethane) and one VOC (1,1,1,2-tetrachloroethane) were carried forward to Step 3 due to the lack of NOAELs for the belted kingfisher.

Great Blue Heron

Five metals, 15 SVOCs, and seven PCBs were determined to pose a risk to great blue heron. Additionally, because of the lack of NOAEL values for hexachlorocyclopentadiene,

hexachloroethane, 4-bromophenyl-phenylether, 4-chlorphenyl-phenylether, and 1,1,1,2-tetrachloroethane, these COPCs were carried forward to Step 3.

5.4.5.2 Mammalian Aquatic Species

Raccoon

Four metals, nine SVOCs, and seven PCBs posed a risk to the raccoon as evidenced by NOAEL HQs greater than 1.0. 4-Bromophenyl-phenylether and 4-chlorophenyl-phenylether were lacking any toxicity information and were thus carried forward to Step 3 and labeled as uncertainties.

5.4.6 Summary of Step 2 Ecological Risk Screening

Table 5-15 summarizes the ecological COPCs that remain after the Step 2 ecological risk screening with respect to each aquatic receptor. 4-Bromophenyl-phenylether, 4-chlorophenyl-phenylether, hexachlorocyclopentadiene, hexachloroethane, and 1,1,1,2-tetrachloroethane remain as COPCs for one or more aquatic receptors because they exceeded Step 1 screening values and no toxicity threshold values are available for these chemicals. Consequently, it is not possible to determine if the presence of these five chemicals in various media pose unacceptable risks. Other COPC/receptor combinations for which no toxicity values were available are noted as such in Table 5-15 and represent uncertainties in the Step 2 ERA.

5.4.7 Scientific Management Decision Point I

Results summarized in Table 5-15 indicate that several COPCs are present at the study site and that some of these pose potential risks to aquatic ROCs based on conservative exposure assumptions. A review of the site data used as the basis for calculating Step 2 risks suggests that there are sufficient contaminant data, and that data were of sufficient quality, to evaluate Step 2 risks to ROCs in the media present at the site (surface water and sediment). Thus, there do not appear to be any important data gaps present at this stage of the ERA. Based on the potential risks calculated in the Step 2 ERA, it appears appropriate and necessary to proceed to Step 3 of the

ERA framework and further evaluate the potential for ecological risks of remaining COPCs at the study site.

5.5 STEP 3 REFINEMENT

5.5.1 COPCs and ROCs in the Step 3 Ecological Risk Assessment

The Step 2 exposure assessment consisted of a conservative food web model and exposure assessment analysis. COPCs that had HQs less than 1.0 for all ROCs are considered to present acceptable risk to ecological resources and were not evaluated further in this section. COPCs for which no approved toxicity thresholds were available could, however, present potential risks and therefore cannot be eliminated. Instead, risks in these cases are evaluated by examining in greater detail the spatial pattern and distribution of concentration values in a given medium and then comparing these data to available effects data in the literature. Remaining COPCs that have TRVs were subjected to Step 3 Problem Formulation (EPA, 1997). This refinement of the exposure assessment is summarized below. The risk calculations in the food web models were revisited using refinements of exposure assumptions used in the Step 2 ERA, including more realistic ROC exposure assumptions and appropriate exposure concentrations.

The list of medium/COPC/ROC combinations that were quantified in the following sections are summarized in Table 5-15.

5.5.2 Step 3 Exposure Assessments

The purpose of the Step 2 exposure assessment is to conservatively quantify the degree of contact between ecological ROCs and COPCs identified at the site. The Step 3 exposure assessment allows for more realistic exposure assumptions than those found in the conservative Step 2 exposure assessment. The factors that make risk quantification in a Step 3 refined exposure assessment more realistic are discussed below.

5.5.2.1 Use of Appropriate Exposure Concentrations

The Step 2 exposure assessment includes the assumption that ROCs are exposed to the maximum detected concentration found across the site. In Step 3, all exposures were estimated based on the arithmetic mean concentration in a given medium at the study site (Table 5-16), consistent with EPA guidance (1997).

5.5.2.2 Use of More Realistic ROC Exposure Assumptions

The Step 2 food web maximized exposure by using the smallest BW and the highest F_f data found in the literature and using the dry-weight concentration of prey items. The Step 3 exposure assessment utilized mean or median BWs, food consumption rates, and BAFs/BCFs shown in Tables 5-17 and 5-18 for aquatic receptors. The wet-weight concentrations of prey items were also used in the food web analysis.

5.5.2.3 Use of Appropriate Home Ranges

In the Step 2 ERA, the home range of the individual receptors was assumed to be only as large as the study site. In Step 3, the appropriate Area Use Factor (AUF) was used in calculating the dosage to each receptor. This more realistic method is particularly relevant to higher trophic levels of birds (e.g., heron and kingfisher) and mammals, which often require fairly large home ranges and are not expected to inhabit the Dark Head Cove area for 100 percent of their life span. The study site is estimated to encompass about 60 acres. The home ranges of the ROCs are noted in Table 5-17.

5.5.3 Toxicity Assessment

Toxicity values presented in Section 5.4 are used for both the Step 2 and 3 exposure assessments. However, while LOAEL toxicity values were presented in Section 5.4, they were not used to evaluate risk, consistent with the Step 2 screening risk assessment procedures. Step 3 evaluated risks based on both NOAEL and LOAEL values to enable a more realistic assessment. The comparison of site mean concentrations in Step 3 to NOAELs and LOAELs is important due to the fact that NOAELs and LOAELs are scientifically derived values that could be an order of magnitude different. Many times, the effects are observed at a certain concentration (LOAEL), and the NOAELs are extrapolated by decreasing the concentration by an order of magnitude. Therefore, actual risk is better characterized by using the LOAEL along with the NOAEL. Risks based on LOAELs can be placed into the context of risk management to determine if it is necessary to either remediate the site, obtain additional data, or if risks are acceptable to populations and communities of ecological receptors and no further action is necessary.

5.5.4 Step 3 Risk Characterization Results

5.5.4.1 Step 3 Risk From COPCs in Sediment and Surface Water

Benthic Invertebrates

The relevant pathway for benthic communities is chronic exposure to sediment contaminants that may exhibit a detrimental effect on survival and growth. Risk to benthic organisms for the Step 3 ERA was based on calculation of an HQ using the following equation:

HQ = Mean Sediment Concentration / Sediment TRV

Consistent with the EPA, 1997, mean sediment concentrations were used in Step 3 exposure assessment.

Table 5-19 shows mean HQs for benthic invertebrates at the study site. Ten of the 13 metals identified in Step 2 as presenting a potential risk to benthic invertebrates had mean HQs greater than 1.0 in Step 3. Therefore these 10 metals all pose a risk to benthic invertebrates. Certain organic chemicals including 41 SVOCs and three VOCs also had mean HQs in excess of 1.0, indicating possible risk to benthic invertebrates.

The risk from three metals, 20 SVOCs, and 44 VOCs were unable to be determined because toxicological information pertaining to their effects on benthic invertebrates is unavailable.

Aquatic Communities

The relevant pathway for aquatic communities is chronic exposure to surface water contaminants that may exhibit a detrimental effect on survival and growth. As with the benthic invertebrates, risk to aquatic organisms for the Step 3 ERA was based on calculation of an HQ using the following equation:

HQ = Mean Surface Water Concentration / Surface Water TRV

As with sediment, the use of mean surface water concentrations is appropriate in a Step 3 exposure assessment because the toxicity endpoints to which concentrations are being compared are those that result from exposure to the aquatic organisms over a long period of time (weeks to months). Table 5-20 shows mean HQs for aquatic communities at the study site. Six metals identified in Step 2 also had mean HQs greater than 1.0, indicating possible risk to aquatic communities.

Fifteen SVOCs, one VOC, and five PCBs were also identified as posing a possible risk (mean HQs greater than 1.0) to aquatic communities. The risks from one metal, 15 SVOCs, and 28 VOCs were unable to be determined because toxicological information on their effects on aquatic communities is unavailable.

Aquatic Mammals and Birds

The risks for aquatic ROCs are summarized in Table 5-21. No risks were associated with any COPC for the raccoon, mallard, or belted kingfisher (although the NOAEL HQ for total mercury was greater than 1.0, the LOAEL HQ was lower). NOAEL HQs associated with fluorene, hexachlorobenzene and Aroclors-1248, -1254, and -1260 to the great blue heron were greater than 1.0. However, the LOAEL HQ was greater than 1.0 only for total mercury. Risks from 4-bromophenyl-phenylether, 4-chlorophenyl-phenylether, hexachlorocyclopentadiene, hexachloroethane, and 1,1,1,2-tetrachloroethane were unable to be characterized due to the lack of toxicological information.

5.5.5 Step 3 Risk Characterization Summary

Table 5-22 summarizes the aquatic COPCs that remain after Step 3 ecological risk screening. 4-Bromophenyl-phenylether, 4-chlorophenyl-phenylether, hexachloroethane, and 1,1,1,2-tetrachloroethane remain as COPCs for aquatic receptors because they exceeded Step 1 STVs and because toxicity threshold values are unavailable for these chemicals. Consequently, it is not possible to determine if the presence of these five chemicals in surface water and sediment pose unacceptable risks. Other COPC/receptor combinations that were identified due to the lack of STVs or when the COPC were undetected and one-half the reporting limit was in excess of the STV are identified in Table 5-22 with "x." COPCs with concentrations in excess of STVs are identified with a "X." All marked COPCs (x or X) represent potential risk to that receptor; either defined (X) or undefined (x) due to the lack of toxicological information or detectable concentrations.

5.6 UNCERTAINTY ASSOCIATED WITH THE STEP 3 REFINEMENT

Uncertainties are present in all risk assessments because of the limitations of the available data and the need to make certain assumptions and extrapolations based upon incomplete information. The uncertainty in this ERA is mainly attributable to the following factors.

5.6.1 Reporting Limits

One-half the maximum reporting limits for some analytes exceeded applicable TRVs in some media; these chemicals were identified as COPCs.

Nineteen chemicals are identified in Step 1 as exceeding the TRVs for surface water because for each, one-half the reporting limit was greater than the TRV. Of these 19, only 12 were deemed bioaccumulative and evaluated in the Steps 2 and 3 food web analyses of the ERA. Of these 12, none resulted in Step 3 NOAEL or LOAEL HQs greater than 1.0 indicating possible risk.

Thirty-seven chemicals were identified in Step 1 because for each, one-half the reporting limit exceeded the TRV for sediment. Ten were deemed bioaccumulative and evaluated in the Steps 2 and 3 food web analyses of the ERA. Of these 10, none resulted in LOAEL HQs greater than 1.0 indicating possible risk to upper trophic-level receptors.

5.6.2 Selection of COPCs

Chemicals without available TRVs for a medium were retained as COPCs in the Step 3 portion of the assessment.

Forty-four chemicals in surface water were carried forward to Step 2 due to the lack of surface water TRVs. Of these 44, only four were potentially bioaccumulative and thus examined in Steps 2 and 3. No surface water chemical lacking a TRV exceeded a LOAEL HQ of 1 in Step 3, although 4-chlorphenyl ether was carried forward to Step 3 due to the lack of NOAELs and LOAELs. Uncertainty exists regarding 4-chloropheny ether because it was unable to be analyzed in Step 2 and 3 due to the lack of toxicological data.

Sixty-eight chemicals examined lacked a screening TRV for sediment in Step 1. Two of these 68 were potentially bioaccumulative and analyzed in the Step 2 and 3 food web analyses. 4-Chlorphenyl phenyl ether and 1,1,1,2-tetrachloroethane lacked NOAELs and LOAELs, and uncertainty exists regarding those chemicals that were unable to be analyzed in Step 2 and 3 due to the lack of toxicological data.

5.6.3 Sediment TRVs

Most of the sediment TRVs used in the ERA do not consider site-specific bioavailability to ecological receptors and are typically based on correlational studies (termed the Screening Level

Concentration approach). These factors tend to make the resulting TRVs conservative and may overestimate potential risk.

5.6.4 Ingestion TRVs

Data on the toxicity of many chemicals to the receptor species were sparse or lacking, requiring the extrapolation of data from other wildlife species or from laboratory studies with non-wildlife species. This is a typical extrapolation for ERAs because so few wildlife species have been tested directly for most chemicals. The uncertainties associated with toxicity extrapolation were minimized through the selection of the most appropriate test species for which suitable toxicity data were available. The factors considered in selecting a test species to represent a receptor species included taxonomic relatedness, trophic level, foraging method, and similarity of diet.

5.6.5 Chemical Mixtures

Information on the ecotoxicological effects of chemical interactions is generally lacking, which required (as is standard for ERAs) that the chemicals be evaluated on a chemical-by-chemical basis in comparisons to TRVs. This could result in an underestimation of risk (if there are additive or synergistic effects among chemicals) or an overestimation of risks (if there are antagonistic effects among chemicals).

5.6.6 Food Web Exposure Modeling

Chemical concentrations in aquatic food items (plants, benthic invertebrates, and fish) were modeled from measured media concentrations and were not directly measured. The use of generic, literature-derived exposure models and BAFs introduces some uncertainty into the resulting estimates. The values selected and methodology employed were intended to provide a conservative (Step 2) or more realistic (Step 3) estimate of potential food web exposure concentrations.

Another source of uncertainty is the use of default assumptions for exposure parameters such as BCFs and BAFs. Although BCFs or BAFs for many bioaccumulative chemicals were readily available from the literature and were used in the ERA, the use of a default factor of 1.0 to estimate the concentration of some chemicals in receptor prey items is a source of uncertainty.

5.6.7 Mean versus Maximum Media Concentrations

As is typical in an ERA, a finite number of samples of environmental media are used to develop the exposure estimates. The maximum measured concentration provides a conservative estimate for immobile biota or those with a limited home range. The most realistic exposure estimates for mobile species with relatively large home ranges and for species populations (even those that are immobile or have limited home ranges) are those based upon the mean chemical concentrations in each medium to which these receptors are exposed. This is reflected in the wildlife dietary exposure models contained in the Wildlife Exposure Factors Handbook (EPA, 1993), which specifies the use of average media concentrations. Based on the mobility of the upper trophic-level receptor species used in the ERA, the use of maximum chemical concentrations (rather than mean concentrations) to estimate the exposure via food webs is probably conservative in Steps 1 and 2 of the screening level ERA. This conservatism was reduced to more realistic levels in the Step 3 evaluation through the use of mean concentration values.

5.6.8 Extrapolation of NOAELs from Calculated LOAELs

In cases where a NOAEL for a specific chemical was not available, but a LOAEL had been determined experimentally or where the NOAEL was from a subchronic study, the chronic NOAEL was estimated. EPA (1993) suggests the use of uncertainty factors of 1 to 10 for subchronic to chronic NOAEL and LOAEL estimation.

5.6.9 Background Concentrations

Three surface water (SW-1, SW-2, and SW-16) and three sediment (SD-1, SD-2, and SD-39) samples were collected to provide some indication of anthropogenic impacts which may not be related to activities at Chesapeake Industrial Park. SW-1 and SD-1 were located in the headwaters of Cow Pen Creek, and SW-2, SW-16, SD-2, and SD-39 were located in two coves on Dark Head Creek downstream of the study site. Comparisons of reference sediment and surface water concentrations to those measured closer to MRC indicate that for most contaminants identified in Step 1 as COPCs, reference site concentrations were less than those measured in study area locations. However, the mean sediment concentrations measured at the three reference locations resulted in mean HQs greater than 1.0 for direct toxicity to benthic invertebrates for the same COPCs as the samples collected within more impacted areas of the study site with the exception of barium, silver, benzo(a)pyrene, benzo(g,h,i)perylene, benzoic acid, indeno(1,2,3-cd)pyrene, isophrone, and phenol (Table 5-23). Mean background surface water concentrations resulted in mean HQs greater than 1.0 for all COPCs with the exception of total and dissolved cadmium (Table 5-24). Therefore, the potential risks to benthic invertebrates and aquatic communities

calculated in this ERA for the areas around Chesapeake Industrial Park may not be related to exposure to COPCs from the study area and may be an artifact of conservative TRVs.

5.7 ECOLOGICAL RISK SUMMARY

An ERA was performed for sediment and surface water adjacent to the study site. The results of the Steps 1 and 2 ERA identified many potential COPCs to ecological receptors in the study area, which supported the decision to conduct a more realistic exposure and risk characterization for the site, consistent with EPA guidance (1997). Refinements included in the Step 3 evaluation included the use of more realistic ROC exposure assumptions and more realistic feeding rates and BWs of receptors.

The Step 2 ERA identified a number of medium/COPC/ROC combinations for which acceptable risks were found at the study site. The Step 3 refinement focused on those medium/COPC/ROC combinations for which potential risk was identified as a result of the Step 2 ERA and for which appropriate toxicity values were available in the toxicological literature (Tables 5-10 and 5-11). The absence of appropriate toxicity values for some medium/COPC/ROC combinations means that it is not possible to dismiss potential risk for those particular combinations.

Standard ERA practice (EPA, 1997) places ecological risk into the context of assessment and measurement endpoints, where assessment endpoints are those characteristics of an environment that need to be protected and measurement endpoints provide distinct measures of this degree of protection. The results of the Step 3 refinement are shown in Table 5-25 in the context of the defined assessment and measurement endpoints. These results suggest the possibility of risk for some COPCs in certain media and for certain types of receptors. The results of the ERA are discussed below for surface water and sediment from Dark Head Cove and Cow Pen Creek, adjacent to the Chesapeake Industrial Park.

5.7.1 Surface Water

Ecological receptors identified that may be exposed to COPCs in surface water include aquatic communities, mallard ducks, belted kingfishers, great blue heron, raccoons, and muskrats.

The risks to aquatic communities were defined relative to concentrations of COPCs in surface water based on medium-specific TRVs. As shown in Table 5-20, there were many surface water COPCs with potential risks to aquatic communities [mean ecological quotients (EQs) greater than 1.0] at the study site based on the results of the Step 3 refinement. The lack of rare or endangered animal species at the site, however, may decrease the significance of the calculated risks to aquatic

communities from exposure to COPCs in surface water in this area. In addition, the similarity in concentrations of COPCs between study site surface water and surface water at reference sites (Table 5-24) decreases the significance of potential risks to aquatic communities in the vicinity of Chesapeake Industrial Park.

Risks from all Step 1 surface water COPCs were non existent to upper trophic-level organisms in Step 3, with the exception of 4-bromophenyl-phenylether, 4-chlorophenyl-phenylether, and hexachlorocyclopentadiene for which risks could not be defined due to the lack of toxicological information.

5.7.2 Sediment

Ecological receptors identified that may be exposed to COPCs in sediment included benthic invertebrates, mallard ducks, great blue herons, belted kingfishers, raccoons, and muskrats.

The risks to benthic invertebrates were defined relative to concentrations of COPCs in sediment based on medium-specific TRVs. Table 5-19 summarizes sediment COPCs with potential risk to benthic invertebrates (mean EQs greater than 1.0) study site. Although many sediment COPCs resulted in Step 3 mean EQs_s greater than 1.0 for direct toxicity to benthic invertebrates, the similarity of study site concentrations to reference location sediment concentrations (Table 5-23) demonstrate that the risk is comparable near Chesapeake Industrial Park to elsewhere in the area. Therefore, there is no significant increase in potential risk to benthic invertebrates in the vicinity of MRC and the study site.

Acceptable food web risk was found for the raccoon, mallard, and belted kingfisher as all NOAEL HQs were less than 1.0 for these receptors (Table 5-21), with the exception of total mercury and Aroclor-1260 for the belted kingfisher (NOAEL HQ_s of 1.48 and 1.26, respectively, but both LOAEL HQs were less than 1.0).

The NOAEL HQ_S for the great blue heron for all COPCs were less than 1.0 except total mercury (NOAEL HQ of 5.34), hexachlorobenzene (NOAEL HQ of 2.26), Aroclor-1248 (NOEAL HQ of 1.35), Aroclor-1254 (NOAEL HQ of 2.29) and Aroclor-1260 (NOAEL HQ of 4.63). The LOAEL HQs for hexachlorobenzene (0.44), Aroclor-1248 (0.27), Aroclor-1254 (0.46), and Aroclor-1260 (0.93) were less than 1.0, thus no detrimental effects to the great blue heron are expected. There is potential risk from total mercury, which does not have a LOAEL HQ less than 1.0 (1.78).

5.8 CONCLUSIONS

An ERA was performed to investigate possible risks to ecological receptors from chemical constituents in sediment and surface water adjacent to the Chesapeake Industrial Park. Assessment endpoints considered in the ERA included effects on the aquatic water column community, the benthic (bottom-dwelling) community, omnivorous birds that feed on shorelines (represented by the mallard duck), piscivorous birds (represented by the belted kingfisher and great blue heron), and omnivorous mammals that feed on shorelines (represented by the raccoon). Steps 1 and 2 of the ERA identified COPCs by comparing conservatively estimated exposures of ecological receptors against corresponding toxicological benchmarks in the scientific literature. Step 3 of the ERA refined the list of COPCS using less conservative, more realistic exposure assumptions.

Section 5.8.1 summarizes the chemical constituents retained as COPCs following Step 3 of the ERA. Section 5.8.2 discusses risk management considerations when identifying potential ecological COPCs requiring further consideration.

5.8.1 COPC Summary

COPCs retained following Step 3 of the ERA on the basis of exceedance of toxicological benchmark data from the scientific literature (expressed as media concentrations or as ingested doses) are summarized below for ecological receptors in the water column community, ecological receptors in the benthic community, and upper trophic-level ecological receptors.

Water Column Community: The following metals were retained as COPCs following Step 3 of the ERA because their concentrations in surface water exceeded corresponding TRVs from the scientific literature:

- Total Cadmium
- Dissolved Cadmium
- Total Copper
- Total Lead
- Total Silver
- Dissolved Silver

Additionally, the following organic constituents were retained as COPCs following Step 3 of the ERA because their concentrations in surface water exceeded corresponding TRVs from the scientific literature:

- Di-n-butyl phthalate
- Carbon Disulfide

Benthic Community: The following metals were retained as COPCs following Step 3 of the ERA because their concentrations in sediment exceeded corresponding TRVs from the scientific literature:

- Barium
- Cadmium
- Chromium
- Cobalt
- Cobalt
- Copper
- Lead
- Total Mercury
- Nickel
- Silver
- Zinc

The following SVOCs were retained as COPCs following Step 3 of the ERA because their concentrations in sediment exceeded corresponding TRVs from the scientific literature:

- 2-Methylnaphthalene
- Acenaphthene
- Acenaphthylene
- Anthracene
- Benzo(a)anthracene
- Benzo(a)pyrene
- Benzo(g,h,i)pyrene
- Benzo(k)fluoranthene
- Bis(2-ethylhexyl)phthalate
- Benzy lbutyl phthalate
- Chrysene
- Dibenzo(a,h)anthracene
- Fluoranthene
- Fluorene
- Indeno(1,2,3-cd)pyrene
- Naphthalene
- Phenanthracene
- Pyrene

The following additional chemical constituents were retained as COPCs following Step 3 of the ERA because their concentrations in sediment exceeded corresponding TRVs from the scientific literature:

- Acetone
- Aroclor 1260

Upper Trophic Level Receptors: No chemical constituents were retained as COPCs following Step 3 of the ERA for the raccoon or mallard duck based on NOAEL-based HQs that exceeded 1.0. The NOAEL-based HQs for the belted kingfisher did exceed 1.0 for the following constituents:

- Total Mercury
- Aroclor 1260

The NOAEL-based HQs for the great blue heron exceeded 1.0 for the following constituents:

- Total Mercury
- Hexachlorobenzene
- Aroclor 1248
- Aroclor 1254
- Aroclor 1260

Additional chemical constituents were retained as COPCs following Step 3 of the ERA because suitable toxicological benchmarks were not available in the scientific literature, or because the reporting limits for non-detected constituents exceeded corresponding toxicological benchmarks. It is not possible for an ERA to demonstrate that such COPCs do not have the potential to pose significant risk to ecological receptors.

5.8.2 Risk Management Considerations

Identification of the Primary COPCs contributing to Risk:
It is recommended that the following COPCs be identified as the primary contributors to potential ecological risk –

For ecological receptors in the surface water community:

- Total Cadmium
- Dissolved Cadmium

For ecological receptors in the benthic community:

- Barium
- Silver
- Benzo(a)pyrene
- Benzo(g,h,i)perylene
- Indeno(1,2,3-cd)pyrene

For higher trophic level ecological receptors:

- Total Mercury (only for piscivorous birds represented by the great blue heron)

Not every COPC retained following the Step 3 ERA is recommended for identification as a significant potential contributor to ecological risk. Certain COPCs are excluded because their concentrations were below corresponding site background concentrations. Certain COPCs

identified for higher trophic level receptors are excluded because their corresponding LOAEL-based HQs are less than 1.0, even though their NOAEL-based HQs exceeded 1.0. Finally, those COPCs identified following the Step 3 ERA solely on the basis of lacking suitable toxicological data in the scientific literature, or on the basis of reporting limits exceeding toxicological benchmarks, are excluded.

Table 5-1

Ecological Inventory of Possible Animal Species
LMC Middle River Complex, Middle River, Maryland

Species Name	Common Name
Avian Species	
Recurvirostra americana	Avocet, American
Botaurus lentiginosus	Bittern, American
Ixobrychus exilis	Bittern, least
Agelaius phoeniceus	Blackbird, red-winged
Euphagus carolinus	Blackbird, rusty
Sialia sialis	Bluebird, eastern
Dolichonyx oryzivorus	Bobolink
Colinus virginianus	Bobwhite, northern
Bucephala albeola	Bufflehead
Passerina cyanea	Bunting, indigo
Plectrophenax nivalis	Bunting, snow
Aythya valisineria	Canvasback
Cardinalis cardinalis	Cardinal, northern
Dumetella carolinensis	Catbird, gray
Icteria virens	Chat, yellow-breasted
Poecile atricapilla	Chickadee, black-capped
Parus carolinensis	Chickadee, Carolina
Fulica americana	Coot, American
Phalacrocorax auritus	Cormorant, double-crested
Phalacrocorax carbo	Cormorant, great
Molothrus ater	Cowbird, brown-headed
Certhia americana	Creeper, brown
Corvus brachyrhynchos	Crow, American
Corvus ossifragus	Crow, fish
Coccyzus erythropthalmus	Cuckoo, black-billed
Coccyzus americanus	Cuckoo, yellow-billed
Zenaida macroura	Dove, mourning
Columba livia	Dove, rock
Limnodromus scolopaceus	Dowitcher, long-billed
Limnodromus griseus	Dowitcher, short-billed
Anas rubripes	Duck, American black
Aythya collaris	Duck, ring-necked
Oxyura jamaicensis	Duck, ruddy

Table 5-1

Ecological Inventory of Possible Animal Species
LMC Middle River Complex, Middle River, Maryland

Species Name	Common Name
Avian Species	
Aix sponea	Duck, wood
Calidris alpina	Dunlin
Haliaeetus leucocephalus	Eagle, bald
Aquila chrysaetos	Eagle, golden
Bubulcus ibis	Egret, cattle
Ardea alba	Egret, great
Egretta thula	Egret, snowy
Falco peregrinus	Falcon, peregrine
Carpodacus mexicanus	Finch, house
Carpodacus purpureus	Finch, purple
Colaptes auratus	Flicker, Northern
Empidonax virescens	Flycatcher, Acadian
Empidonax alnorum	Flycatcher, Alder
Myiarchus crinitus	Flycatcher, great crested
Empidonax minimus	Flycatcher, least
Empidonax traillii	Flycatcher, willow
Empidonax flaviventris	Flycatcher, yellow-bellied
Anas strepera	Gadwall
Polioptila caerulea	Gnatcatcher, blue-gray
Carduelis tristis	Goldfinch, American
Limosa haemastica	Godwit, Hudsonian
Limosa fedoa	Godwit, marbled
Bucephala clangula	Goldeneye, common
Branta canadensis	Goose, Canada
Chen caerulescen	Goose, snow
Quiscalus quiscula	Grackle, common
Podiceps auritus	Grebe, horned
Podilymbus podiceps	Grebe, pied-billed
Podiceps grisegena	Grebe, red-necked
Guiraca caerulea	Grosbeak, blue
Coccothraustes vespertinus	Grosbeak, evening
Pheucticus ludovicianus	Grosbeak, rose-breasted
Larus ridibundus	Gull, black-headed

Table 5-1

Ecological Inventory of Possible Animal Species
LMC Middle River Complex, Middle River, Maryland

Species Name	Common Name
Avian Species	
Larus Philadelphia	Gull, Bonaparte's
Larus hyperboreus	Gull, glaucous
Larus marinus	Gull, great black-backed
Larus argentatus	Gull, herring
Larus glaucoides	Gull, Iceland
Larus atricilla	Gull, laughing
Larus fuscus	Gull, lesser black-backed
Larus minutus	Gull, little
Larus delawarensis	Gull, ring-billed
Circus cyaneus	Harrier, northern
Buteo platypterus	Hawk, broad-winged
Accipiter cooperii	Hawk, Cooper's
Buteo lineatus	Hawk, red-shouldered
Buteo jamaicensis	Hawk, red-tailed
Buteo lagopus	Hawk, rough-legged
Accipiter striatus	Hawk, sharp-shinned
Egretta caerulea	Heron, little blue
Nycticorax nycticorax	Heron, black-crowned night
Ardea herodias	Heron, great blue
Butorides virescens	Heron, green
Egretta tricolor	Heron, tri-colored
Nyctanassa violacea	Heron, yellow-crowned night
Archilochus colubris	Hummingbird, ruby-throated
Plegadis falcinellus	Ibis, glossy
Cyanocitta cristata	Jay, blue
Junco hyemalis	Junco, dark-eyed
Falco sparverius	Kestrel, American
Charadrius vociferus	Killdeer
Tyrannus tyrannus	Kingbird, eastern
Ceryle alcyon	Kingfisher, belted
Regulus satrapa	Kinglet, golden-crowned
Regulus calendula	Kinglet, ruby-crowned
Calidris canutus	Knot, red

Table 5-1

Ecological Inventory of Possible Animal Species
LMC Middle River Complex, Middle River, Maryland

Species Name	Common Name
Avian Species	
Eremophila alpestris	Lark, horned
Calcarius lapponicus	Longspur, lapland
Gavia immer	Loon, common
Gavia stellata	Loon, red-throated
Anas platyrhynchos	Mallard
Progne subis	Martin, purple
Sturnella magna	Meadowlark, eastern
Mergus merganser	Merganser, common
Lophodytes cucullatus	Merganser, hooded
Mergus serrator	Merganser, red-breasted
Falco columbarius	Merlin
Mimus polyglottos	Mockingbird, northern
Gallinula chloropus	Moorhen, common
Chordeiles minor	Nighthawk, common
Sitta canadensis	Nuthatch, red-breasted
Sitta carolinensis	Nuthatch, white-breasted
Clangula hyemalis	Oldsquaw
Icterus galbula	Oriole, Baltimore
Icterus spurius	Oriole, orchard
Pandion haliaetus	Osprey
Seiurus aurocapillus	Ovenbird
Tyto alba	Owl, common barn
Strix varia	Owl, barred
Otus asio	Owl, Eastern screech
Bubo virginianus	Owl, great horned
Aegolius acadicus	Owl, northern saw-whet
Asio flammeus	Owl, short-eared
Contopus virens	Pewee, eastern wood
Phalaropus tricolor	Phalarope, Wilson's
Phasianus colchicus	Pheasant, ring-necked
Sayornis phoebe	Phoebe, eastern
Anas acuta	Pintail, northern
Anthus rubescens	Pipit, American

Table 5-1

Ecological Inventory of Possible Animal Species
LMC Middle River Complex, Middle River, Maryland
Page 5 of 12

Species Name	Common Name
Avian Species	
Pluvialis squatarola	Plover, black-bellied
Pluvialis dominica	Plover, American golden
Charadrius semipalmatus	Plover, semipalmated
Laterallus jamaicensis	Rail, black
Rallus limicola	Rail, Virginia
Rallus elegans	Rail, king
Aythya americana	Redhead
Setophaga ruticilla	Redstart, American
Turdus migratorius	Robin, American
Calidris alba	Sanderling
Calidris bairdii	Sandpiper, Baird's
Tryngites subruficollis	Sandpiper, buff-breasted
Calidris minutilla	Sandpiper, least
Calidris melantos	Sandpiper, pectoral
Calidris pusilla	Sandpiper, semipalmated
Tringa solitaria	Sandpiper, solitary
Actitis macularia	Sandpiper, spotted
Calidris himantipus	Sandpiper, stilt
Bartramia longicauda	Sandpiper, upland
Calidris mauri	Sandpiper, western
Calidris fuscicollis	Sandpiper, white-rumped
Sphyrapicus varius	Sapsucker, yellow-bellied
Aythya marila	Scaup, greater
Aythya affinis	Scaup, lesser
Melanitta fusca	Scoter, white-winged
Anas clypeata	Shoveler, northern
Carduelis pinus	Siskin, pine
Gallinago gallinago	Snipe, common
Porzana carolina	Sora
Spizella arborea	Sparrow, American tree
Spizella passerina	Sparrow, chipping
Spizella pusilla	Sparrow, field
Passerella iliaca	Sparrow, fox

Table 5-1

Ecological Inventory of Possible Animal Species
LMC Middle River Complex, Middle River, Maryland

Species Name	Common Name
Avian Species	
Ammodramus savannarum	Sparrow, grasshopper
Passer domesticus	Sparrow, house
Melospiza lincolnii	Sparrow, Lincoln's
Ammodramus nelsoni	Sparrow, Nelson's Sharp-tailed
Ammodramus cauductus	Sparrow, Saltmarsh Sharp-tailed
Passerculus sandwichensis	Sparrow, Savannah
Ammodramus maritimus	Sparrow, seaside
Melospiza melodia	Sparrow, song
Melospiza georgiana	Sparrow, swamp
Pooecetes gramineus	Sparrow, vesper
Zonotrichia leucophrys	Sparrow, white-crowned
Zonotrichia albicollis	Sparrow, white-throated
Sturnus vulgaris	Starling, European
Riparia riparia	Swallow, bank
Hirundo rustica	Swallow, barn
Petrochelidon pyrrhonota	Swallow, cliff
Stelgidopteryx serripennis	Swallow, Northern rough-winged
Tachycineta bicolor	Swallow, tree
Cygnus olor	Swan, mute
Cygnus columbianus	Swan, tundra
Chaetura pelagica	Swift, chimney
Piranga olivacea	Tanager, scarlet
Piranga rubra	Tanager, summer
Anas discors	Teal, blue-winged
Anas crecca	Teal, green-winged
Chilidonias niger	Tern, black
Sterna caspia	Tern, Caspian
Sterna hirundo	Tern, common
Sterna forsteri	Tern, Forster's
Sterna antillarum	Tern, least
Toxostoma rufum	Thrasher, brown
Catharus bicknelli	Thrush, Bicknell's

Table 5-1

Ecological Inventory of Possible Animal Species
LMC Middle River Complex, Middle River, Maryland

Species Name	Common Name
Avian Species	
Catharus minimus	Thrush, gray-cheeked
Catharus guttatus	Thrush, hermit
Catharus ustulatus	Thrush, Swainson's
Hylocichla mustelina	Thrush, wood
Parus bicolor	Titmouse, tufted
Pipilo erythrophthalmus	Towhee, Eastern
Meleagris gallopavo	Turkey, wild
Arenaria interpres	Turnstone, ruddy
Catharus fuscescens	Veery
Vireo solitarius	Vireo, blue-headed
Vireo philadelphicus	Vireo, Philadelphia
Vireo olivaceus	Vireo, red-eyed
Vireo gilvus	Vireo, warbling
Vireo griseus	Vireo, white-eyed
Vireo flavifrons	Vireo, yellow-throated
Coragyps atratus	Vulture, black
Cathartes aura	Vulture, turkey
Dendroica castnea	Warbler, bay-breasted
Mniotilta varia	Warbler, black-and-white
Dendroica virens	Warbler, black-throated green
Dendroica fusca	Warbler, blackburnian
Vermivora pinus	Warbler, blue-winged
Wilsonia Canadensis	Warbler, Canada
Dendroica tigrina	Warbler, Cape May
Dendroica cerulean	Warbler, cerulean
Dendroica pensylvanica	Warbler, chestnut-sided
Oporornis agilis	Warbler, Connecticut
Vermivora chrysoptera	Warbler, golden-winged
Wilsonia citrina	Warbler, hooded
Oporornis formosus	Warbler, Kentucky
Dendroica coronata	Warbler, yellow-rumped
Dendroica magnolia	Warbler, magnolia
Oporornis Philadelphia	Warbler, mourning

Table 5-1

Ecological Inventory of Possible Animal Species
LMC Middle River Complex, Middle River, Maryland

Species Name	Common Name
Avian Species	
Vermivora ruficapilla	Warbler, Nashville
Parula americana	Warbler, northern parula
Vermivora celata	Warbler, orange-crowned
Dendroica palmarum	Warbler, palm
Dendroica pinus	Warbler, pine
Dendroica discolor	Warbler, prairie
Protonotaria citrea	Warbler, prothonotary
Vermivora peregrine	Warbler, Tennessee
Wilsonia pusilla	Warbler, Wilson's
Helmitheros vermivorus	Warbler, worm-eating
Dendroica petechia	Warbler, yellow
Dendroica dominica	Warbler, yellow-throated
Seiurus motacilla	Waterthrush, Louisiana
Seiurus noveboracensis	Waterthrush, Northern
Bombycilla cedrorum	Waxwing, cedar
Numenius phaeopus	Whimbrel
Caprimulgus vociferus	Whip-poor-will
Caprimulgus carolinensis	Chuck-will's-widow
Anas americana	Wigeon, American
Catoptrophorus semipalmatus	Willet
Scolopax minor	Woodcock, American
Picoides pubescans	Woodpecker, downy
Picoides villosus	Woodpecker, hairy
Dryocopus pileatus	Woodpecker, pileated
Melanerpes carolinus	Woodpecker, red-bellied
Melanerpes erythrocephalus	Woodpecker, red-headed
Thryothorus ludovicianus	Wren, Carolina
Troglodytes aedon	Wren, house
Cistothorus palustris	Wren, marsh
Troglodytes troglodytes	Wren, winter
Tringa melanoleuca	Yellowlegs, greater
Tringa flavipes	Yellowlegs, lesser

Table 5-1

Ecological Inventory of Possible Animal Species
LMC Middle River Complex, Middle River, Maryland

Species Name	Common Name
Avian Species	
Geothlypis trichas	Yellowthroat, common
Mammalian Species	
Eptesicus fuscus	Bat, big brown
Lasiurus borealis	Bat, eastern red
Nyciticeius humeralis	Bat, evening
Lasiurus cinereus	Bat, hoary
Myotis sodalist	Bat, Indiana
Lasiurus borealis	Bat, red
Lasionycteris noctivagans	Bat, silver-haired
Castor canadensis	Beaver
Tamias striatus	Chipmunk, eastern
Sylvilagus floridanus	Cottontail, eastern
Canis latrans	Coyote
Martes pennanti	Fisher
Urocyon cineroeargenteus	Fox, gray
Vulpes vulpes	Fox, red
Synaptomys cooperi	Lemming, southern bog
Mustela vison	Mink
Scalopus aquaticus	Mole, eastern
Condylura cristata	Mole, star-nosed
Peromyscus maniculatus	Mouse, deer
Reithrodontomys humulus	Mouse, eastern harvest
Zapus hudsonius	Mouse, meadow jumping
Peromyscus leucopus	Mouse, white-footed
Mus musculus	Mouse, house
Ondatra zibethica	Muskrat
Myotis leibii	Myotis, eastern small-footed
Myotis lucifugus	Myotis, little brown
Myotis septentrionalis	Myotis, northern
Didelphis virginianus	Opossum
Lutra canadensis	Otter, northern river
Pipistrellus subflavus	Pipistrelle, eastern
Procyon lotor	Raccoon

Table 5-1

Ecological Inventory of Possible Animal Species
LMC Middle River Complex, Middle River, Maryland

Species Name	Common Name
Mammalian Species	
Neotoma magister	Rat, Allegheny wood
Rattus rattus	Rat, black
Rattus norvegicus	Rat, Norway
Oryzomys palustris	Rat, marsh rice
Cryptotis parva	Shrew, least
Sorex cinereus	Shrew, masked
Blarina carolinensis	Shrew, short-tailed
Sorex longirostris	Shrew, southeastern
Sorex palustris	Shrew, water
Mephitis mephitis	Skunk, striped
Scurius niger	Squirrel, eastern fox
Scurius carolinensis	Squirrel, eastern gray
Tamiasciurus hudsonicus	Squirrel, eastern red
Glaucomys volans	Squirrel, southern flying
Microtus chrotorrhinus	Vole, rock
Clethrionoms gapperi	Vole, southern red-backed
Microtus pinetorum	Vole, woodland
Microtus pennsylvanicus	Vole, meadow
Mustela frenata	Weasel, long-tailed
Marmota monax	Woodchuck
Reptile Species	
Agkistrodon contortrix mokason	Copperhead, northern
Sceloporus undulatus hyacinthinus	Lizard, northern fence
Coluber constrictor constrictor	Racer, northern black
Cnemidophorous sexlineatus	Racerunner, six-lined
Eumeces fasciatus	Skink, five-lined
Scincella lateralis	Skink, ground
Elaphe obsoleta obsoleta	Snake, black rat
Elaphe guttata guttata	Snake, corn
Virginia valeriae	Snake, eastern earth
Thamnophis sirtalis sirtalis	Snake, eastern garter

Table 5-1

Ecological Inventory of Possible Animal Species
LMC Middle River Complex, Middle River, Maryland

Species Name	Common Name
Reptile Species	
Thamnophis sauritus sauritus	Snake, eastern ribbon
Carphophis amoenus amoenus	Snake, eastern worm
Pseudaspis cana	Snake, mole
Nerodia sipedon sipedon	Snake, northern water
Sternotherus odoratus	Stinkpot
Chelydra serpentina serpentina	Turtle, common snapping
Terrapene carolina carolina	Turtle, eastern box
Kinosternon subrubrum subrubrum	Turtle, eastern mud
Chrysemys picta picta	Turtle, eastern painted
Pseudemys rubriventris	Turtle, red-bellied
Clemmys guttata	Turtle, spotted
Amphibian Species	
Rana catesbeiana	Bullfrog
Hyla chrysoscelis	Frog, Copes gray tree
Rana sylvatica	Frog, wood
Acris crepitans crepitans	Frog, eastern cricket
Rana palustris	Frog, pickeral
Rana sphenocephala utricularia	Frog, southern leopard
Pseudacris feriarum feriarum	Frog, upland chorus
Pseudacris brachyphona	Frog, mountain chorus
Rana clamitans melanota	Frog, northern green
Necturus maculosus maculosus	Mudpuppy, common
Notophthalmus viridescens viridescens	Newt, red-spotted
Pseudacris crucifer crucifer	Peeper, northern spring
Pseudotriton montanus montanus	Salamander, eastern mud
Eurycea longicauda longicauda	Salamander, long tailed
Ambystoma opacum	Salamander, marbled
Desmognathus fuscus fuscus	Salamander, northern dusky
Pseudotriton ruber ruber	Salamander, northern red

Table 5-1

Ecological Inventory of Possible Animal Species
LMC Middle River Complex, Middle River, Maryland

Species Name	Common Name
Amphibian Species	
Plethodon glutinosus	Salamander, northern slimy
Eurycea bislineata	Salamander, northern two-lined
Ambystoma maculatum	Salamander, spotted
Plethodon wehrlei	Salamander, Wehrle's
Scaphiopus holbrooki holbrooki	Spadefoot, eastern
Bufo americanus	Toad, american
Bufo woodhousii fowleri	Toad, Fowler's
Hyla versicolor	Treefrog, gray
Hyla cinerea	Treefrog, green
Source: http://www.bcpl.net/~tross/baltreg.html; Gough et al., 1998; http://www.batcon.org/discover/species/md.html; http://www.dlia.org/atbi/index.html	

Table 5-2

Ecological Risk Screen Assessment Endpoints
LMC Middle River Complex, Middle River, Maryland

Assessment Endpoint	Null Hypothesis	Measurement Endpoint	Specifics of Assessment
Ecological health of aquatic water column communities	Surface water does not exhibit a detrimental effect on aquatic plant and organism survival and growth	Evaluation of surface water chemistry with respect to water quality criteria	• Comparison of surface water concentrations to surface water screening values.
Ecological health of benthic invertebrate communities	Sediment does not exhibit a detrimental effect on invertebrate survival and growth	Evaluation of sediment chemistry with respect to sediment screening values	• Comparison of sediment concentrations to sediment screening values.
Long term health and reproductive capacity of omnivorous aquatic avian species (mallard duck)	Ingestion of COPC in prey does not have a negative impact on growth, survival, and reproductive success of the species	Evaluation of dose in prey based on sediment data and dietary exposure models	• Vegetation and invertebrate dose approximated by multiplying maximum sediment concentration by BCF or BAF for COPC. • The risk associated with the calculated dose will be evaluated by comparison to Toxicity Reference Values (TRVs).
Long term health and reproductive capacity of piscivorous wading birds (blue heron)	Ingestion of COPC in prey does not have a negative impact on growth, survival, and reproductive success of the species	Evaluation of dose in prey based on sediment data and dietary exposure models	• Food dose approximated by multiplying maximum sediment concentration by BCF or BAF for COPC. • The risk associated with the calculated dose will be evaluated by comparison to Toxicity Reference Values (TRVs).
Long term health and reproductive capacity of piscivorous aquatic avian species (belted kingfisher)	Ingestion of COPC in prey does not have a negative impact on growth, survival, and reproductive success of the species	Evaluation of dose in prey based on sediment data and dietary exposure models	• Food dose approximated by multiplying maximum sediment concentration by BCF or BAF for COPC. • The risk associated with the calculated dose will be evaluated by comparison to Toxicity Reference Values (TRVs).
Long term health and reproductive capacity of omnivorous aquatic mammalian species (raccoon)	Ingestion of COPC in prey does not have a negative impact on growth, survival, and reproductive success of the species	Evaluation of dose in prey based sediment data and dietary exposure models	• Dose from food approximated by multiplying maximum sediment concentration by BAF or BCF for COPC. • The risk associated with the calculated dose will be evaluated by comparison to Toxicity Reference Values (TRVs).

Table 5-3

Summary of Ecological Risk Surface Water Screening Values
LMC Middle River Complex, Middle River, Maryland
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Chemical	CAS No.	Units	Ecological Screening Levels	Source
Inorganics				
Antimony	7440-36-0	ug/L	30	EPA (1995)
Antimony - Dissolved	7440-36-0	ug/L	30	EPA (1995)
Arsenic	7440-38-2	ug/L	150	EPA (2002)
Arsenic - Dissolved	7440-38-2	ug/L	150	EPA (2002)
Barium	7440-39-3	ug/L	10000	EPA (1995)
Barium - Dissolved	7440-39-3	ug/L	10000	EPA (1995)
Beryllium	7440-41-7	ug/L	5.3	EPA (1995)
Beryllium - Dissolved	7440-41-8	ug/L	5.3	EPA (1995)
Cadmium	7440-43-9	ug/L	0.1	EPA (2002)
Cadmium - Dissolved	7440-43-9	ug/L	0.09	EPA (2002)
Chromium	7440-47-3	ug/L	11.4	EPA (2002)
Chromium - Dissolved	7440-47-3	ug/L	11.4	EPA (2002)
Cobalt	7440-48-4	ug/L	35000	EPA (1995)
Cobalt - Dissolved	7440-48-4	ug/L	35000	EPA (1995)
Copper	7440-50-8	ug/L	2.85	EPA (2002)
Copper - Dissolved	7440-50-8	ug/L	2.74	EPA (2002)
Total Hexavalent Chromium	18540-29-9	ug/L	None	None
Lead	7439-92-1	ug/L	0.54	EPA (2002)
Lead - Dissolved	7439-92-1	ug/L	0.54	EPA (2002)
Mercury	7439-97-6	ug/L	0.91	EPA (2002)
Mercury - Dissolved	7439-97-6	ug/L	0.77	EPA (2002)
Molybdenum	7439-98-7	ug/L	240	EPA (1996)
Molybdenum - Dissolved	7439-98-7	ug/L	240	EPA (1996)
Nickel	7440-02-0	ug/L	16.1	EPA (2002)
Nickel - Dissolved	7440-02-0	ug/L	16.1	EPA (2002)
Selenium	7782-49-2	ug/L	5	EPA (1995)
Selenium - Dissolved	7782-49-2	ug/L	4.6	EPA (2002)
Silver	7440-22-4	ug/L	0.0001	EPA (1995)
Silver - Dissolved	7440-22-4	ug/L	0.0001	EPA (1995)
Thallium	7440-28-0	ug/L	40	EPA (1995)
Thallium - Dissolved	7440-28-0	ug/L	40	EPA (1995)
Vanadium	7440-62-2	ug/L	10000	EPA (1995)
Vanadium - Dissovled	7440-62-2	ug/L	10000	EPA (1995)
Zinc	7440-66-6	ug/L	37	EPA (2002)
Zinc - Dissolved	7440-66-6	ug/L	36.5	EPA (2002)
Volatile Organics				
1,1,1,2-Tetrachloroethane	630-20-6	ug/L	2400	EPA (1995)
1,1,1-Trichloroethane	71-55-6	ug/L	9400	EPA (1995)
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	2400	EPA (1995)
1,1,2-Trichloroethane	79-00-5	ug/L	9400	EPA (1995)
1,1,2-Trichlorotrifluoroethane	76-13-1	ug/L	None	None
1,1-Dichloroethane	75-34-3	ug/L	160000	EPA (1995)
1,1-Dichloroethene	75-35-4	ug/L	11600	EPA (1995)
1,2,3-Trichlorobenezene	87-61-6	ug/L	50	EPA (1995)
1,2,3-Trichloropropane	96-18-4	ug/L	None	None
1,2,3-Trimethylbenzene	526-73-8	ug/L	None	None
1,2,4-Trichlorobenzene	120-82-1	ug/L	50	EPA (1995)
1,2,4-Trimethylbenzene	96-63-6	ug/L	None	None
1,2-Dibromo-3-chloropropane	96-12-8	ug/L	None	None
1,2-Dibromoethane	106-93-4	ug/L	18000	EPA (1995)

Table 5-3

Summary of Ecological Risk Surface Water Screening Values
LMC Middle River Complex, Middle River, Maryland
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Chemical	CAS No.	Units	Ecological Screening Levels	Source
1,2-Dichlorobenzene	95-50-1	ug/L	763	EPA (1995)
1,2-Dichloroethane	107-06-2	ug/L	20000	EPA (1995)
1,2-Dichloroethene	540-59-0	ug/L	None	None
1,2-Dichloropropane	78-87-5	ug/L	5700	EPA (1995)
1,3-Dichlorobenzene	541-73-1	ug/L	763	EPA (1995)
1,3-Dichloropropane	78-87-5	ug/L	None	None
1,4-Dichlorobenzene	106-46-7	ug/L	763	EPA (1995)
2,2-Dichloropropane	594-20-7	ug/L	1140	EPA (1995)
2-Butanone (MEK)	78-93-3	ug/L	3220000	EPA (1995)
2-Chloroethyl vinyl ether	110-75-8	ug/L	3540	EPA (1995)
2-Chlorotoluene	95-49-8	ug/L	None	None
2-Hexanone (MBK)	591-78-6	ug/L	428000	EPA (1995)
4-Chlorotoluene	106-43-4	ug/L	None	None
4-Isopropyltoluene	99-87-6	ug/L	None	None
4-Methyl-2-Pentanone	108-10-1	ug/L	460000	EPA (1995)
Acetone	67-64-1	ug/L	9000000	EPA (1995)
Benzene	71-43-2	ug/L	5300	EPA (1995)
Bromobenzene	106-86-1	ug/L	None	None
Bromochloromethane	74-97-5	ug/L	11000	EPA (1995)
Bromodichloromethane	75-27-4	ug/L	None	None
Bromoform	75-25-2	ug/L	11000	EPA (1995)
Bromomethane	74-83-9	ug/L	110	EPA (2000)
cis-1,2-Dichloroethene	156-59-2	ug/L	11600	EPA (1995)
cis-1,3-Dichloropropene	10061-01-5	ug/L	244	EPA (1995)
Carbon Disulfide	75-15-0	ug/L	2	EPA (1995)
Carbon tetrachloride	56-23-5	ug/L	35200	EPA (1995)
Chlorobenzene	108-90-7	ug/L	50	EPA (1995)
Chlorodibromomethane	124-48-1	ug/L	11000	EPA (1995)
Chloroethane	75-00-3	ug/L	None	None
Chloroform	67-66-3	ug/L	1240	EPA (1995)
Chloromethane	74-87-3	ug/L	5500	EPA (1995)
Cumene (Isopropylbenzene)	98-82-8	ug/L	None	None
Cyclohexane	110-82-7	ug/L	None	None
Dibromomethane	74-95-3	ug/L	11000	EPA (1995)
Dichlorodifluoromethane	75-71-8	ug/L	11000	EPA (1995)
Diisopropyl ether	108-20-3	ug/L	None	None
Ethyl Tert-Butyl Ether	637-92-3	ug/L	None	None
Ethylbenzene	100-41-4	ug/L	32000	EPA (1995)
m&p-Xylene	NA	ug/L	None	None
Methyl acetate	79-20-9	ug/L	None	None
Methyl cyclohexane	108-87-2	ug/L	None	None
Methylene Chloride	75-09-2	ug/L	11000	EPA (1995)
Methyl-t-Butyl Ether (MTBE)	1634-04-4	ug/L	None	None
n-Butylbenzene	104-51-8	ug/L	None	None
n-Propylbenzene	103-65-1	ug/L	None	None
o-Xylene	95-47-6	ug/L	None	None
sec-Butylbenzene	135-98-8	ug/L	None	None
Styrene	100-42-5	ug/L	32	EPA (2003)
Tert-Amyl Methyl Ether	994-05-8	ug/L	None	None
Tert-Butylbenzene	98-06-6	ug/L	None	None
Teritary-butyl alcohol	75-65-0	ug/L	None	None

Table 5-3

Summary of Ecological Risk Surface Water Screening Values
LMC Middle River Complex, Middle River, Maryland
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Chemical	CAS No.	Units	Ecological Screening Levels	Source
trans-1,2-Dichloroethene	156-60-5	ug/L	11600	EPA (1995)
trans-1,3-Dichloropropene	10061-02-6	ug/L	244	EPA (1995)
Tetrachloroethene	127-18-4	ug/L	840	EPA (1995)
Toluene	108-88-3	ug/L	17000	EPA (1995)
Trichloroethene	79-01-6	ug/L	21900	EPA (1995)
Trichlorofluoromethane	75-69-4	ug/L	11000	EPA (1995)
Vinyl Acetate	108-05-4	ug/L	None	None
Vinyl Chloride	75-01-4	ug/L	11600	EPA (1995)
Xylenes, Total	1330-20-7	ug/L	6000	EPA (1995)
Semi-Volatile Organics				
1,2-Diphenylhdrazine	122-66-7	ug/L	270	EPA (1995)
1,4-Dioxane (p-dioxane)	123-91-1	ug/L	22000	EPA (2003)
1-Methylnaphthalene	90-12-0	ug/L	None	None
2,2'-Oxybis(1-chloropropane)	108-60-1	ug/L	None	None
2,4,5-Trichlorophenol	95-95-4	ug/L	63	EPA (1995)
2,4,6-Trichlorophenol	88-06-2	ug/L	970	EPA (1995)
2,4-Dichlorophenol	120-83-2	ug/L	365	EPA (1995)
2,4-Dimethylphenol	105-67-9	ug/L	2120	EPA (1995)
2,4-Dinitrophenol	51-28-5	ug/L	150	EPA (1995)
2,4-Dinitrotoluene	121-14-2	ug/L	44	EPA (2003)
2,6-Dinitrotoluene	60620-2	ug/L	81	EPA (2003)
2-Chloronaphthalene	91-58-7	ug/L	620	EPA (1995)
2-Chlorophenol	95-57-8	ug/L	970	EPA (1995)
2-Methylnaphthalene	91-57-6	ug/L	330	EPA (2003)
2-Methylphenol (o-Cresol)	95-48-7	ug/L	13	Suter and Tsao (1996)
2-Nitroaniline	88-74-4	ug/L	None	None
2-Nitrophenol	88-75-5	ug/L	3500	EPA (2000)
3&4 Methylphenol	NA	ug/L	None	None
3,3-Dichlorobenzidine	91-94-1	ug/L	4.5	EPA (2003)
3-Nitroaniline	99-09-2	ug/L	None	None
4,6-Dinitro-2-methylphenol	534-52-1	ug/L	2.3	EPA (2000)
4-Bromophenyl phenyl ether	101-55-3	ug/L	1.5	EPA (1996)
4-Chloro-3-methylphenol	59-50-7	ug/L	0.3	EPA (2000)
4-Chloroaniline	106-47-8	ug/L	50	Buchman (1999)
4-Chlorophenyl phenyl ether	7005-72-3	ug/L	None	None
4-Nitroaniline	100-01-6	ug/L	None	None
4-Nitrophenol	100-02-7	ug/L	150	EPA (1995)
4-Methylphenol	106-44-5	ug/L	None	None
Acenaphthene	83-32-9	ug/L	520	EPA (1995)
Acenaphthylene	208-96-8	ug/L	520	EPA (1995)
Aniline	62-53-3	ug/L	4.1	EPA (2003)
Anthracene	120-12-7	ug/L	0.1	EPA (1995)
Azobenzene	103-33-3	ug/L	None	None
Benzidine	92-87-5	ug/L	2500	EPA (1995)
Benzo[a]anthracene	56-55-3	ug/L	6.3	EPA (1995)
Benzo[a]pyrene	50-32-8	ug/L	0.014	Suter and Tsao (1996)
Benzo (b) fluoranthene	205-99-2	ug/L	9.07	EPA (2003)
Benzo (g,h,i) perylene	191-24-2	ug/L	7.64	EPA (2003)
Benzo (k) fluoranthene	207-08-9	ug/L	None	None
Benzoic Acid	65-85-0	ug/L	None	None
Benzyl Alcohol	100-51-6	ug/L	8.6	EPA (1995)

Table 5-3

Summary of Ecological Risk Surface Water Screening Values
LMC Middle River Complex, Middle River, Maryland
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Chemical	CAS No.	Units	Ecological Screening Levels	Source
Bis (2-chloroethyl) ether	111-44-4	ug/L	2380	EPA (1995)
Bis (2-chloroethoxy) methane	111-91-1	ug/L	11000	EPA (1995)
Bis (2-ethylhexyl) phthalate	117-81-7	ug/L	30	EPA (1995)
Butyl benzyl phthalate	85-68-7	ug/L	3	EPA (1995)
Carbazole	86-74-8	ug/L	None	None
Chrysene	218-01-9	ug/L	None	None
Dibenz (a,h) anthracene	53-70-3	ug/L	None	None
Dibenzofuran	132-64-9	ug/L	20	EPA (1996)
Diethyl phthalate	84-66-2	ug/L	3	EPA (1995)
Dimethyl phthalate	131-11-3	ug/L	3	EPA (1995)
Di-n-butyl phthalate	84-74-2	ug/L	0.3	EPA (1995)
Di-n-octyl phthalate	117-84-0	ug/L	0.3	EPA (1995)
Fluoranthene	206-44-0	ug/L	3980	EPA (1995)
Fluorene	86-73-7	ug/L	430	EPA (1995)
Hexachlorobenzene	118-74-1	ug/L	3.68	EPA (1995)
Hexachlorobutadiene	87-68-3	ug/L	9.3	EPA (1995)
Hexachlorocyclopentadiene	77-47-4	ug/L	5.2	EPA (1995)
Hexachloroethane	67-72-1	ug/L	540	EPA (1995)
Indeno (1,2,3-cd) pyrene	193-39-5	ug/L	4.31	EPA (2003)
Isophorone	78-59-1	ug/L	117000	EPA (1995)
Naphthalene	91-20-3	ug/L	100	EPA (1995)
Nitrobenzene	98-95-3	ug/L	27000	EPA (1995)
N-Nitrosodimethylamine	62-75-9	ug/L	None	None
N-Nitroso-di-n-propylamine	621-64-7	ug/L	None	None
N-Nitrosodiphenylamine	86-30-6	ug/L	5850	EPA (1995)
Pentachlorophenol	87-86-5	ug/L	15	EPA (2002)
Phenanthrene	85-01-8	ug/L	6.3	EPA (1995)
Phenol	109-95-2	ug/L	79	EPA (1995)
Pyrene	129-00-0	ug/L	0.3	EPA (2003)
Pyridine	110-86-1	ug/L	2380	EPA (2003)
PCBs				
Aroclor 1016	12674-11-2	ug/L	0.28	Suter and Tsao (1996)
Aroclor 1221	11104-28-2	ug/L	0.28	Suter and Tsao (1996)
Aroclor 1232	11141-16-5	ug/L	0.58	Suter and Tsao (1996)
Aroclor 1242	53469-21-9	ug/L	0.053	Suter and Tsao (1996)
Aroclor 1248	12672-29-6	ug/L	0.081	Suter and Tsao (1996)
Aroclor 1254	11097-69-1	ug/L	0.0033	Suter and Tsao (1996)
Aroclor 1260	11096-82-5	ug/L	94	Suter and Tsao (1996)

Table 5-4

Surface Water COPC
LMC Middle River Complex, Middle River, Maryland
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CAS Number	Chemical	Minimum Concentration	Minimum Qualifier	Maximum Concentration	Maximum Qualifier	Units	Location of Maximum Concentration	Detection Frequency	Frequency of Sites with Concentrations Above Screening Value	Screening Toxicity Value	STV	COPC Flag	Additional Considerations
							INORGANICS						
7440-36-0	Total Antimony	0.0425	U	2.6	B	ug/L	SW-08	1 / 14	0 / 14	30	0.09	No	
7440-38-2	Total Arsenic[1]	0.57		1.725	U	ug/L	SW-3	5 / 14	0 / 14	150	0.01	No	
7440-39-3	Total Barium	77.4		90.2		ug/L	SW-13	9 / 9	0 / 9	10000	0.01	No	
7440-41-7	Total Beryllium	0.028		0.175	U	ug/L	SW-4	5 / 14	0 / 14	5.3	0.03	No	
7440-43-9	Total Cadmium[1]	0.012		0.33		ug/L	SW-3	4 / 14	11 / 14	0.1	**3.30**	**Yes**	
7440-47-3	Total Chromium[1]	0.0295	U	1.4		ug/L	SW-13	1 / 14	0 / 14	11.4	0.12	No	
7440-48-4	Total Cobalt	0.56	U	0.75	B	ug/L	NA	0 / 9	0 / 9	35000	0.00	No	
7440-50-8	Total Copper[1]	0.87	U	29.2	J	ug/L	SW-3	2 / 14	2 / 14	2.85	**10.25**	**Yes**	
18540-29-9	Total Hexavalent Chromium	0.005	U	0.0125	U	ug/L	NA	0 / 14	NA	NA	NA	**Yes**	COPC due to lack of STV
7439-92-1	Total Lead[1]	0.35	B	1.45		ug/L	SW-12	0 / 14	11 / 14	0.54	**2.69**	**Yes**	
7439-97-6	Total Mercury[1]	0.01	U	0.05	U	ug/L	NA	0 / 14	0 / 14	0.91	0.05	No	
7439-98-7	Total Molybdenum	1	U	1	U	ug/L	NA	0 / 9	0 / 9	240	0.00	No	
7440-02-0	Total Nickel[1]	0.85	B	2.8	B	ug/L	SW-3	5 / 14	0 / 14	16	0.18	No	
7782-98-7	Total Selenium[1]	0.62		2.2		ug/L	SW-4	5 / 14	0 / 14	5	0.44	No	
7440-22-4	Total Silver[1]	0.0115	B	0.52	U	ug/L	SW-5	0 / 14	14 / 14	0.0001	**5200.00**	**Yes**	
7440-28-0	Total Thallium	0.0375	U	3.065	U	ug/L	NA	0 / 14	0 / 14	40	0.08	No	
7440-62-2	Total Vanadium	0.68	U	0.68	U	ug/L	NA	0 / 9	0 / 9	10000	0.00	No	
7440-66-6	Total Zinc[1]	3.25	B	12	J	ug/L	SW-3	2 / 14	0 / 14	37	0.32	No	
7440-36-0	Dissolved Antimony	0.0425	U	2.055	U	ug/L	SW-3	1 / 14	0 / 14	30	0.07	No	
7440-38-2	Dissolved Arsenic[1]	0.28		1.8	B	ug/L	SW-17	5 / 14	0 / 14	150	0.01	No	
7440-39-3	Dissolved Barium	79.9		87		ug/L	SW-15	9 / 9	0 / 9	10000	0.01	No	
7440-41-7	Dissolved Beryllium	0.011		0.175	U	ug/L	SW-5	5 / 14	0 / 14	5.3	0.03	No	
7440-43-9	Dissolved Cadmium[1]	0.012	U	0.28	B	ug/L	SW-17	2 / 14	11 / 14	0.1	**2.80**	**Yes**	
7440-47-3	Dissolved Chromium[1]	0.0295	U	0.8	B	ug/L	SW-15	0 / 14	0 / 14	11.4	0.07	No	
7440-48-4	Dissolved Cobalt	0.56	U	1.15	B	ug/L	SW-17	0 / 9	0 / 9	35000	0.00	No	
7440-50-8	Dissolved Copper[1]	0.75	B	1.05	B	ug/L	SW-5	0 / 14	0 / 14	2.85	0.37	No	
7439-92-1	Dissolved Lead[1]	0.14	B	0.85	B	ug/L	SW-14	0 / 14	9 / 14	0.54	**1.57**	**Yes**	
7439-97-6	Dissolved Mercury[1]	0.01	U	0.05	U	ug/L	NA	0 / 14	0 / 14	0.91	0.05	No	
7439-98-7	Dissolved Molybdenum	1	U	1.25	B	ug/L	SW-17	0 / 9	0 / 9	240	0.01	No	
7440-02-0	Dissolved Nickel[1]	0.765	U	2.5		ug/L	SW-3	5 / 14	0 / 14	16	0.16	No	
7782-98-7	Dissolved Selenium[1]	0.91		2.5		ug/L	SW-5	5 / 14	0 / 14	5	0.50	No	
7440-22-4	Dissolved Silver[1]	0.0095	B	0.52	U	ug/L	SW-5	0 / 14	14 / 14	0.0001	**5200.00**	**Yes**	
7440-28-0	Dissolved Thallium	0.0375	U	3.065	U	ug/L	NA	0 / 14	0 / 14	40	0.08	No	
7440-62-2	Dissolved Vanadium	0.68	U	0.68	U	ug/L	NA	0 / 9	0 / 9	10000	0.00	No	
7440-66-6	Dissolved Zinc[1]	2.2	B	8.7	B	ug/L	SW-15	14 / 14	0 / 14	37	0.24	No	
							SVOCs						
122-66-7	1,2-Diphenylhydrazine	5	U	5.5	U	ug/L	NA	0 / 5	0 / 5	270	0.02	No	
123-91-1	1,4-Dioxane (p-dioxane)	5	U	5	U	ug/L	NA	0 / 9	0 / 9	22000	0.000	No	
90-12-0	1-Methylnaphthalene	5	U	5	U	ug/L	NA	0 / 9	NA	NA	**NA**	**Yes**	COPC due to lack of STV
108-60-1	2,2'-Oxybis(1-chloropropane)	5	U	5.5	U	ug/L	NA	0 / 14	NA	NA	**NA**	**Yes**	COPC due to lack of STV
95-95-4	2,4,5-Trichlorophenol	5	U	12.5	U	ug/L	NA	0 / 14	0 / 14	63	0.20	No	
88-06-2	2,4,6-Trichlorophenol	5	U	5.5	U	ug/L	NA	0 / 14	0 / 14	970	0.01	No	
120-83-2	2,4-Dichlorophenol	5	U	5.5	U	ug/L	NA	0 / 14	0 / 14	365	0.02	No	
105-67-9	2,4-Dimethylphenol	5	U	5.5	U	ug/L	NA	0 / 14	0 / 14	2120	0.003	No	
51-28-5	2,4-Dinitrophenol	10.5	U	12.5	U	ug/L	NA	0 / 14	0 / 14	150	0.08	No	
121-14-2	2,4-Dinitrotoluene	5	U	5.5	U	ug/L	NA	0 / 14	0 / 14	**44**	0.13	No	
606-20-2	2,6-Dinirtoluene	5	U	5.5	U	ug/L	NA	0 / 14	0 / 14	81	0.07	No	
91-58-7	2-Chloronaphthalene	5	U	5.5	U	ug/L	NA	0 / 14	0 / 14	620	0.01	No	
95-57-8	2-Chlorphenol	5	U	5.5	U	ug/L	NA	0 / 14	0 / 14	970	0.01	No	
91-57-6	2-Methylnaphthalene	5	U	5.5	U	ug/L	NA	0 / 14	0 / 14	330	0.02	No	

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CAS Number	Chemical	Minimum Concentration	Minimum Qualifier	Maximum Concentration	Maximum Qualifier	Units	Location of Maximum Detected Concentration	Detection Frequency	Frequency of Sites with Concentrations Above Screening Value	Screening Toxicity Value	STV?	COPC Flag	Additional Considerations
95-48-7	2-Methylphenol (o-Cresol)	5	U	5.5	U	ug/L	NA	0 / 14	0 / 14	13	0.42	No	
88-74-4	2-Nitroaniline	5	U	12.5	U	ug/L	NA	0 / 14	NA	NA	**NA**	**Yes**	COPC due to lack of STV
88-75-5	2-Nitrophenol	5	U	5.5	U	ug/L	NA	0 / 14	0 / 14	3500	0.002	No	
NA	3&4-Methylphenol	5	U	5	U	ug/L	NA	0 / 9	NA	NA	**NA**	**Yes**	COPC due to lack of STV
91-94-1	3,3-Dichlorobenzidine	5	U	10.5	U	ug/L	NA	0 / 14	0 / 14	4.5	**2.33**	**Yes**	COPC due to 1/2 RL > STV
99-09-2	3-Nitroaniline	5	U	12.5	U	ug/L	NA	0 / 14	0 / 14	NA	**NA**	**Yes**	COPC due to lack of STV
534-52-1	4,6-Dinitro-2-methylphenol	10.5	U	12.5	U	ug/L	NA	0 / 14	14 / 14	2.3	**5.43**	**Yes**	COPC due to 1/2 RL > STV
101-55-3	4-Bromophenyl phenyl ether[1]	5	U	5.5	U	ug/L	NA	0 / 14	14 / 14	1.5	**3.67**	**Yes**	COPC due to 1/2 RL > STV
59-50-7	4-Chloro-3-methylphenol	5	U	5.5	U	ug/L	NA	0 / 14	14 / 14	0.3	**18.33**	**Yes**	COPC due to 1/2 RL > STV
106-47-8	4-Chloroaniline	5	U	5.5	U	ug/L	NA	0 / 14	0 / 14	50	0.11	No	
7005-72-3	4-Chlorphenyl phenyl ether[1]	5	U	5.5	U	ug/L	NA	0 / 14	NA	NA	**NA**	**Yes**	COPC due to lack of STV
100-01-6	4-Nitroaniline	5	U	12.5	U	ug/L	NA	0 / 14	NA	NA	**NA**	**Yes**	COPC due to lack of STV
100-02-7	4-Nitrophenol	10.5	U	12.5	U	ug/L	NA	0 / 14	0 / 14	150	0.08	No	
106-44-5	4-Methylphenol	5	U	5.5	U	ug/L	NA	0 / 5	NA	NA	**NA**	**Yes**	COPC due to lack of STV
83-32-9	Acenaphthene[1]	5	U	5.5	U	ug/L	NA	0 / 14	NA	520	0.01	No	
208-96-8	Acenaphthylene[1]	5	U	5.5	U	ug/L	NA	0 / 14	NA	520	0.01	No	
62-53-3	Aniline	5	U	5.5	U	ug/L	NA	0 / 14	14 / 14	4.1	**1.34**	**Yes**	COPC due to 1/2 RL > STV
120-12-7	Anthracene[1]	5	U	5.5	U	ug/L	NA	0 / 14	14 / 14	0.1	**55.00**	**Yes**	COPC due to 1/2 RL > STV
103-33-3	Azobenzene	5	U	5	U	ug/L	NA	0 / 10	NA	NA	**NA**	**Yes**	COPC due to lack of STV
92-87-5	Benzidine	5	U	5.5	U	ug/L	NA	0 / 14	0 / 14	2500	0.002	No	
56-55-3	Benzo(a)anthracene[1]	5	U	5.5	U	ug/L	NA	0 / 14	0 / 14	6.3	0.87	No	
50-32-8	Benzo(a)pyrene[1]	5	U	5.5	U	ug/L	NA	0 / 14	14 / 14	0.014	**392.86**	**Yes**	COPC due to 1/2 RL > STV
205-99-2	Benzo(b)fluoranthene[1]	5	U	5.5	U	ug/L	NA	0 / 14	0 / 14	9.07	0.61	No	
191-24-2	Benzo(g,h,I)perylene[1]	5	U	5.5	U	ug/L	NA	0 / 14	0 / 14	7.64	0.72	No	
207-08-9	Benzo(k)fluoranthene[1]	5	U	5.5	U	ug/L	NA	0 / 14	NA	NA	**NA**	**Yes**	COPC due to lack of STV
65-85-0	Benzoic Acid	10.5	U	25	U	ug/L	NA	0 / 14	0 / 14	42	0.60	No	
100-51-6	Benzyl Alcohol	5	U	5.5	U	ug/L	NA	0 / 14	0 / 14	8.6	0.64	No	
111-44-4	Bis(2-chloroethyl)ether	5	U	5.5	U	ug/L	NA	0 / 14	0 / 14	2380	0.002	No	
111-91-1	Bis(2-chloroethoxy)methane	5	U	5.5	U	ug/L	NA	0 / 14	0 / 14	11000	0.001	No	
117-81-7	Bis(2-ethylhexyl)phthalate	1.5	J	6.9	J	ug/L	SW-6	5 / 14	0 / 14	30	0.23	No	
85-68-7	Butyl benzyl phthalate	5	U	5.5	U	ug/L	NA	0 / 14	14 / 14	3	**1.83**	**Yes**	COPC due to 1/2 RL > STV
86-74-8	Carbazole	5	U	5.5	U	ug/L	NA	0 / 14	NA	NA	**NA**	**Yes**	COPC due to lack of STV
218-01-9	Chrysene[1]	5	U	5.5	U	ug/L	NA	0 / 14	NA	NA	**NA**	**Yes**	COPC due to lack of STV
53-70-3	Dibenzo(a,h)anthracene[1]	5	U	5.5	U	ug/L	NA	0 / 14	NA	NA	**NA**	**Yes**	COPC due to lack of STV
132-64-9	Dibenzofuran	5	U	5.5	U	ug/L	NA	0 / 14	0 / 14	20	0.28	No	
84-66-2	Diethyl phthalate	5	U	5.5	U	ug/L	NA	0 / 14	14 / 14	3	**1.83**	**Yes**	COPC due to 1/2 RL > STV
131-11-3	Dimethyl phthalate	5	U	5.5	U	ug/L	NA	0 / 14	14 / 14	3	**1.83**	**Yes**	COPC due to 1/2 RL > STV
84-74-2	Di-n-butyl-phthalate	1.5	J	5.5	U	ug/L	SW-6	2 / 14	14 / 14	0.3	**18.33**	**Yes**	
117-84-0	Di-n-octyl phthalate	5	U	5.5	U	ug/L	NA	0 / 14	14 / 14	0.3	**18.33**	**Yes**	COPC due to 1/2 RL > STV
206-44-0	Fluoranthene[1]	5	U	5.5	U	ug/L	NA	0 / 14	0 / 14	3980	0.001	No	
86-73-7	Fluorene[1]	5	U	5.5	U	ug/L	NA	0 / 14	0 / 14	430	0.01	No	

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CAS Number	Chemical	Minimum Concentration	Minimum Qualifier	Maximum Concentration	Maximum Qualifier	Units	Location of Maximum Detected Concentration	Detection Frequency	Frequency of Sites with Concentrations Above Screening Value	Screening Toxicity Value	HVR	COPC Flag	Additional Considerations
118-74-1	Hexachlorobenzene[1]	5	U	5.5	U	ug/L	NA	0 / 14	14 / 14	3.68	**1.49**	Yes	COPC due to 1/2 RL > STV
87-68-3	Hexachlorobutadiene[1]	5	U	5.5	U	ug/L	NA	0 / 14	0 / 14	9.3	0.59	No	
77-47-4	Hexachlorocyclopentadiene[1]	5	U	5.5	U	ug/L	NA	0 / 14	3 / 14	5.2	**1.06**	Yes	COPC due to 1/2 RL > STV
67-72-1	Hexachloroethane[1]	5	U	5.5	U	ug/L	NA	0 / 14	0 / 14	540	0.01	No	
193-39-5	Indeno(1,2,3-cd)pyrene[1]	5	U	5.5	U	ug/L	NA	0 / 14	0 / 14	4.31	**1.28**	Yes	COPC due to 1/2 RL > STV
78-59-1	Isophrone	5	U	5.5	U	ug/L	NA	0 / 14	0 / 14	117000	0.00005	No	
91-20-3	Napthalene	5	U	5.5	U	ug/L	NA	0 / 14	0 / 14	100	0.06	No	
98-95-3	Nitrobenzene	5	U	5.5	U	ug/L	NA	0 / 14	0 / 14	27000	0.0002	No	
62-75-9	n-nitrosodimethylamine	5	U	5.5	U	ug/L	NA	0 / 14	NA	NA	**NA**	Yes	COPC due to lack of STV
621-64-7	n-Nitroso-di-n-propylamine	5	U	5.5	U	ug/L	NA	0 / 14	NA	NA	**NA**	Yes	COPC due to lack of STV
86-30-6	n-Nitrosodiphenylamine	5	U	5.5	U	ug/L	NA	0 / 14	0 / 14	5850	0.001	No	
87-86-5	Pentachlorophenol[1]	10.5	U	12.5	U	ug/L	NA	0 / 14	0 / 14	15	0.83	No	
85-01-8	Phenanthrene[1]	5	U	5.5	U	ug/L	NA	0 / 14	0 / 14	6.3	0.87	No	
108-95-2	Phenol	5	U	5.5	U	ug/L	NA	0 / 14	0 / 14	79	0.07	No	
129-00-0	Pyrene[1]	5	U	5.5	U	ug/L	NA	0 / 14	14 / 14	0.3	**18.33**	Yes	COPC due to 1/2 RL > STV
110-86-1	Pyridine	5	U	5.5	U	ug/L	NA	0 / 14	0 / 14	2380	0.002	No	
							VOCs						
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U	0.5	U	ug/L	NA	0 / 9	0 / 9	2400	0.0002	No	
71-55-6	1,1,1-Trichloroethane	0.5	U	2.5	UJ	ug/L	NA	0 / 14	0 / 14	9400	0.0003	No	
79-34-5	1,1,2,2-Tetrachloroethane	0.5	U	2.5	UJ	ug/L	NA	0 / 14	0 / 14	2400	0.001	No	
79-00-5	1,1,2-Trichloroethane	2.5	UJ	2.5	UJ	ug/L	NA	0 / 5	0 / 5	9400	0.0003	No	
76-13-1	1,1,2-Trichlorotrifluoroethane	0.5	U	2.5	UJ	ug/L	NA	0 / 14	NA	NA	**NA**	Yes	COPC due to lack of STV
75-34-3	1,1-Dichloroethane	0.5	U	2.5	UJ	ug/L	NA	0 / 14	0 / 14	160000	0.00002	No	
75-35-4	1,1-Dichloroethene	0.5	U	2.5	UJ	ug/L	NA	0 / 14	0 / 14	11600	0.0002	No	
563-58-6	1,1-Dichloropropene	0.5	U	0.5	U	ug/L	NA	0 / 9	0 / 9	48.8	0.0102	No	
87-61-6	1,2,3-Trichlorobenezene	0.5	U	0.5	U	ug/L	NA	0 / 9	0 / 9	50	0.0100	No	
96-18-4	1,2,3-Trichloropropane	0.5	U	0.5	U	ug/L	NA	0 / 9	NA	NA	**NA**	Yes	COPC due to lack of STV
526-73-8	1,2,3-Trimethylbenzene	0.5	U	0.5	U	ug/L	NA	0 / 9	NA	NA	**NA**	Yes	COPC due to lack of STV
120-82-1	1,2,4-Trichlorobenzene[1]	0.5	U	2.5	UJ	ug/L	NA	0 / 14	0 / 14	50	0.05	No	
96-63-6	1,2,4-Trimethylbenzene	0.5	U	0.5	U	ug/L	NA	0 / 9	NA	NA	**NA**	Yes	COPC due to lack of STV
96-12-8	1,2-Dibromo-3-Chloropropane	0.5	U	2.5	UJ	ug/L	NA	0 / 14	NA	NA	**NA**	Yes	COPC due to lack of STV
106-93-4	1,2-Dibromoethane	0.5	U	2.5	UJ	ug/L	NA	0 / 14	0 / 14	18000	0.0001	No	
95-50-1	1,2-Dichlorobenzene[1]	0.5	U	2.5	UJ	ug/L	NA	0 / 14	0 / 14	763	0.00	No	
107-06-2	1,2-Dichloroethane	0.5	U	2.5	UJ	ug/L	NA	0 / 14	0 / 14	20000	0.0001	No	
540-59-0	1,2-Dichloroethene	1	U	1	U	ug/L	NA	0 / 9	NA	NA	**NA**	Yes	COPC due to lack of STV
78-87-5	1,2-Dichloropropane	0.5	U	2.5	UJ	ug/L	NA	0 / 14	0 / 14	5700	0.0004	No	
541-73-1	1,3-Dichlorobenzene[1]	0.5	U	2.5	UJ	ug/L	NA	0 / 14	0 / 14	763	0.0033	No	
142-28-9	1,3-Dichloropropane	0.5	U	0.5	U	ug/L	NA	0 / 9	NA	NA	**NA**	Yes	COPC due to lack of STV
106-46-7	1,4-Dichlorobenzene[1]	0.5	U	2.5	UJ	ug/L	NA	0 / 14	0 / 14	763	0.0033	No	
594-20-7	2,2-Dichloropropane	0.5	U	0.5	U	ug/L	NA	0 / 10	0 / 9	1140	0.0004	No	
78-93-3	2-Butanone (MEK)	2.5	U	5	UJ	ug/L	NA	0 / 14	0 / 14	3220000	0.000002	No	
110-75-8	2-Chloroethyl vinyl ether	0.5	U	0.5	U	ug/L	NA	0 / 9	0 / 9	3540	0.000141	No	
95-49-8	2-Chlorotoluene	0.5	U	0.5	U	ug/L	NA	0 / 9	NA	NA	**NA**	Yes	COPC due to lack of STV
591-78-6	2-Hexanone (MBK)	2.5	U	5	UJ	ug/L	NA	0 / 14	0 / 14	428000	0.00001	No	
106-43-4	4-Chlorotoluene	0.5	U	0.5	U	ug/L	NA	0 / 9	NA	NA	**NA**	Yes	COPC due to lack of STV
99-87-6	4-Isopropyltoluene	0.5	U	0.5	U	ug/L	NA	0 / 9	NA	NA	**NA**	Yes	COPC due to lack of STV
108-10-1	4-Methyl-2-Pentanone	2.5	U	5	UJ	ug/L	NA	0 / 14	0 / 14	460000	0.00001	No	
67-64-1	Acetone	2.5	U	5	UJ	ug/L	SW-13	1 / 14	0 / 14	9000000	0.000001	No	
71-43-2	Benzene	0.5	U	2.5	UJ	ug/L	NA	0 / 14	0 / 14	5300	0.0005	No	
108-86-1	Bromobenzene	0.5	U	0.5	U	ug/L	NA	0 / 9	NA	NA	NA	Yes	COPC due to lack of STV

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CAS Number	Chemical	Minimum Concentration	Minimum Qualifier	Maximum Concentration	Maximum Qualifier	Units	Location of Maximum Detected Concentration	Detection Frequency	Frequency of Sites with Contaminant Found Above Screening Value	Screening Toxicity Value	SVR	COPC Flag	Additional Considerations
74-97-5	Bromochloromethane	0.5	U	0.5	U	ug/L	NA	0 / 9	0 / 9	11000	0.0000	No	
75-27-4	Bromodichloromethane	0.5	U	2.5	UJ	ug/L	NA	0 / 14	0 / 14	11000	0.0002	No	
75-25-2	Bromoform	0.5	U	2.5	UJ	ug/L	NA	0 / 14	0 / 14	11000	0.0002	No	
74-83-9	Bromomethane	1	U	5	UJ	ug/L	NA	0 / 14	0 / 14	110	0.05	No	
156-59-2	c-1,2-Dichloroethene	0.5	U	2.5	UJ	ug/L	NA	0 / 14	0 / 14	11600	0.0002	No	
10061-01-5	c-1,3-Dichloropropene	0.5	U	2.5	UJ	ug/L	NA	0 / 14	0 / 14	244	0.01	No	
75-15-0	Carbon Disulfide	0.5	U	8.6		ug/L	SW-5	5 / 14	5 / 14	2	**4.30**	Yes	
56-23-5	Carbon Tetrachloride	0.5	U	2.5	UJ	ug/L	NA	0 / 14	0 / 14	35200	0.0001	No	
108-90-7	Chlorobenzene	0.5	U	2.5	UJ	ug/L	NA	0 / 14	0 / 14	50	0.05	No	
124-48-1	Chlorodibromomethane	0.5	U	2.5	UJ	ug/L	NA	0 / 14	0 / 14	11000	0.0002	No	
75-00-3	Chloroethane	1	U	5	UJ	ug/L	NA	0 / 14	NA	NA	**NA**	Yes	COPC due to lack of STV
67-66-3	Chloroform	0.5	U	2.5	UJ	ug/L	NA	0 / 14	0 / 14	1240	0.002	No	
74-87-3	Chloromethane	1	U	5	UJ	ug/L	NA	0 / 14	0 / 14	5500	0.001	No	
98-82-8	Cumene (Isopropylbenzene)	0.5	U	2.5	UJ	ug/L	NA	0 / 14	NA	NA	**NA**	Yes	COPC due to lack of STV
110-82-7	Cyclohexane	2.5	U	2.5	UJ	ug/L	NA	0 / 5	NA	NA	**NA**	Yes	COPC due to lack of STV
74-95-3	Dibromomethane	0.5	U	0.5	U	ug/L	NA	0 / 10	0 / 10	11000	0.0000	No	
75-71-8	Dichlorodifluoromethane	1	U	2.5	UJ	ug/L	NA	0 / 14	0 / 14	11000	0.0002	No	
108-20-3	Diisopropyl ether	0.5	U	0.5	U	ug/L	NA	0 / 9	NA	NA	**NA**	Yes	COPC due to lack of STV
637-92-3	Ethyl Tert-Butyl Ether	0.5	U	0.5	U	ug/L	NA	0 / 9	NA	NA	**NA**	Yes	COPC due to lack of STV
100-41-4	Ethylbenzene	0.5	U	2.5	UJ	ug/L	NA	0 / 14	0 / 14	32000	0.0001	No	
NA	m&p xylenes	1	U	2.5	UJ	ug/L	NA	0 / 14	NA	NA	**NA**	Yes	COPC due to lack of STV
79-20-9	Methyl acetate	2.5	U	2.5	UJ	ug/L	NA	0 / 5	NA	NA	**NA**	Yes	COPC due to lack of STV
108-87-2	Methyl cyclohexane	2.5	U	2.5	UJ	ug/L	NA	0 / 5	NA	NA	**NA**	Yes	COPC due to lack of STV
75-09-2	Methylene Chloride	1	U	5	UJ	ug/L	NA	0 / 14	0 / 14	11000	0.00	No	
1634-04-4	Methyl-t-Butyl Ether (MTBE)	1	U	2.5	UJ	ug/L	SW-11,-14, -15,	7 / 14	NA	NA	**NA**	Yes	COPC due to lack of STV
104-51-8	n-Butylbenzene	0.5	U	0.5	U	ug/L	NA	0 / 9	NA	NA	**NA**	Yes	
103-65-1	n-Propylbenzene	0.5	U	0.5	U	ug/L	NA	0 / 9	NA	NA	**NA**	Yes	
95-47-6	o xylenes	0.5	U	2.5	U	ug/L	NA	0 / 14	NA	NA	**NA**	Yes	COPC due to lack of STV
135-98-8	sec-Butylbenzene	0.5	U	0.5	U	ug/L	NA	0 / 9	NA	NA	**NA**	Yes	
1001-42-5	Styrene	0.5	U	2.5	UJ	ug/L	NA	0 / 14	0 / 14	32	0.08	No	
994-05-8	Tert-Amyl Methyl Ether	0.5	U	0.5	U	ug/L	NA	0 / 9	0 / 9	NA	**NA**	Yes	COPC due to lack of STV
98-06-6	Tert-Butylbenzene	0.5	U	0.5	U	ug/L	NA	0 / 9	0 / 9	NA	**NA**	Yes	COPC due to lack of STV
75-65-0	Tertiary-butyl alcohol	2.5	U	2.5	U	ug/L	NA	0 / 9	0 / 9	NA	**NA**	Yes	COPC due to lack of STV
156-60-5	t-1,2-Dichloroethene	0.5	U	2.5	UJ	ug/L	NA	0 / 14	0 / 14	11600	0.0002	No	
10061-02-6	t-1,3-Dichloropropene	0.5	U	2.5	UJ	ug/L	NA	0 / 14	0 / 14	244	0.01	No	
127-18-4	Tetrachloroethene	0.5	U	2.5	UJ	ug/L	NA	0 / 14	0 / 14	840	0.003	No	
108-88-3	Toluene	0.5	U	2.5	UJ	ug/L	NA	0 / 14	0 / 14	17000	0.0001	No	
79-01-6	Trichloroethene	0.3	U	2.5	UJ	ug/L	NA	0 / 14	0 / 14	21900	0.0001	No	
75-69-4	Trichlorofluoromethane	1	U	2.5	UJ	ug/L	NA	0 / 14	0 / 14	11000	0.0002	No	
108-05-4	Vinyl Acetate	0.5	U	0.5	U	ug/L	NA	0 / 9	0 / 9	NA	**NA**	Yes	COPC due to lack of STV
75-01-4	Vinyl Chloride	1	U	5	UJ	ug/L	NA	0 / 14	0 / 14	11600	0.0004	No	
1330-20-7	Xylenes, total	1.5	U	1.5	U	ug/L	NA	0 / 9	0 / 9	6000	0.0003	No	
							PCBs						
12674-11-2	Aroclor 1016[1]	0.25	U	0.55	U	ug/L	NA	0 / 14	5 / 14	0.28	**1.96**	Yes	COPC due to 1/2 RL > STV
11104-28-2	Aroclor 1221[1]	0.25	U	0.55	U	ug/L	NA	0 / 14	5 / 14	0.28	**1.96**	Yes	COPC due to 1/2 RL > STV
11141-16-5	Aroclor 1232[1]	0.25	U	0.55	U	ug/L	NA	0 / 14	0 / 14	0.58	0.95	No	
53469-21-9	Aroclor 1242[1]	0.25	U	0.55	U	ug/L	NA	0 / 14	14 / 14	0.053	**10.38**	Yes	COPC due to 1/2 RL > STV
12672-29-6	Aroclor 1248[1]	0.25	U	0.55	U	ug/L	NA	0 / 14	14 / 14	0.081	**6.79**	Yes	COPC due to 1/2 RL > STV
11097-69-1	Aroclor 1254[1]	0.25	U	0.55	U	ug/L	NA	0 / 14	14 / 14	0.033	**16.67**	Yes	COPC due to 1/2 RL > STV
11096-82-5	Aroclor 1260[1]	0.25	U	0.55	U	ug/L	NA	0 / 14	0 / 14	94	0.01	No	

Table 5-4

Surface Water COPC
LMC Middle River Complex, Middle River, Maryland

CAS Number	Chemical	Minimum Concentration	Minimum Qualifier	Maximum Concentration	Maximum Qualifier	Units	Location of Maximum Detected Concentration	Detection Frequency	Frequency of Sites with Concentrations Above Screening Value	Screening Toxicity Value	SVR	COPC Flag	Additional Considerations

[1] - indicates chemicals that are bioaccumulative (Table 4-2., USEPA 2000).
N/A = Not Available
COPC = Chemical of Potential Concern
SVR = Screening Value Ratio (maximum detected concentration/screening toxicity value)
J = Indicates an estimated value
K = Estimated high value

Table 5-5

Summary of Ecological Risk Sediment Screening Toxicity Values
LMC Middle River Complex, Maryland
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Chemical	CAS No.	Units	Ecological Screening Levels	Source
Inorganics				
Antimony	7440-36-0	mg/kg(dry)	150	EPA (1995)
Arsenic	7440-38-2	mg/kg(dry)	8.2	EPA (1995)
Barium	7440-39-3	mg/kg(dry)	48	Buchman (1999)
Beryllium	7440-41-7	mg/kg(dry)	None	None
Cadmium	7440-43-9	mg/kg(dry)	1.2	EPA (1995)
Chromium	7440-47-3	mg/kg(dry)	81	EPA (1995)
Cobalt	7440-48-4	mg/kg(dry)	10	Buchman (1999)
Hexavalent Chromium	18540-29-9	mg/kg(dry)	81	EPA (1995)
Copper	7440-50-8	mg/kg(dry)	34	EPA (1995)
Lead	7439-92-1	mg/kg(dry)	46.7	EPA (1995)
Mercury	7439-97-6	mg/kg(dry)	0.15	EPA (1995)
Molybdenum	7439-98-7	mg/kg(dry)	None	None
Nickel	7440-02-0	mg/kg(dry)	20.9	EPA (1995)
Selenium	7782-49-2	mg/kg(dry)	1	Buchman (1999)
Silver	7440-22-4	mg/kg(dry)	1	EPA (1995)
Thallium	7440-28-0	mg/kg(dry)	None	None
Vanadium	7440-62-2	mg/kg(dry)	57	Buchman (1999)
Zinc	7440-66-6	mg/kg(dry)	150	EPA (1995)
Semivolatiles				
1,2-Diphenylhydrazine	122-66-7	ug/kg(dry)	None	None
1,4-Dioxane	123-91-1	ug/kg(dry)	None	None
1-Methylnapthalene	90-12-0	ug/kg(dry)	None	None
2,2'-Oxybis(1-chloropropane)	108-60-1	ug/kg(dry)	None	None
2,4,5-Trichlorophenol	95-95-4	ug/kg(dry)	None	None
2,4,6-Trichlorophenol	88-06-2	ug/kg(dry)	208	EPA (2003)
2,4-Dichlorophenol	120-83-2	ug/kg(dry)	None	None
2,4-Dimethylphenol	105-67-9	ug/kg(dry)	29	EPA (1995)
2,4-Dinitrophenol	51-28-5	ug/kg(dry)	6.21	EPA (2003)
2,4-Dinitrotoluene	121-14-2	ug/kg(dry)	14.4	EPA (2003)
2,6-Dinirtoluene	606-20-2	ug/kg(dry)	39.8	EPA (2003)
2-Chloronaphthalene	91-58-7	ug/kg(dry)	417	EPA (2003)
2-Chlorphenol	95-57-8	ug/kg(dry)	31.9	EPA (2003)
2-Methylnaphthalene	91-57-6	ug/kg(dry)	70	EPA (1995)
2-Methylphenol (o-Cresol)	95-48-7	ug/kg(dry)	63	EPA (1995)
2-Nitroaniline	88-74-4	ug/kg(dry)	None	None
2-Nitrophenol	88-75-5	ug/kg(dry)	None	None
3&4 Methylphenol	NA	ug/kg(dry)	None	None
3,3-Dichlorobenzidine	91-94-1	ug/kg(dry)	127	EPA (2003)
3-Nitroaniline	99-09-2	ug/kg(dry)	None	None
4,6-Dinitro-2-methylphenol	534-52-1	ug/kg(dry)	None	None
4-Bromophenyl phenyl ether	101-55-3	ug/kg(dry)	1550	EPA (2003)
4-Chloro-3-methylphenol	59-50-7	ug/kg(dry)	None	None
4-Chloroaniline	106-47-8	ug/kg(dry)	146	EPA (2003)
4-Chlorphenyl phenyl ether	7005-72-3	ug/kg(dry)	None	None
4-Methylphenol (p-Cresol)	106-44-5	ug/kg(dry)	670	EPA (1995)
4-Nitroaniline	100-01-6	ug/kg(dry)	None	None
4-Nitrophenol	100-02-7	ug/kg(dry)	13.3	EPA (2003)
Acenaphthene	83-32-9	ug/kg(dry)	16	EPA (1995)
Acenaphthylene	208-96-8	ug/kg(dry)	44	EPA (1995)
Aniline	62-53-3	ug/kg(dry)	0.31	EPA (2003)
Anthracene	120-12-7	ug/kg(dry)	85.3	EPA (1995)

Table 5-5

Summary of Ecological Risk Sediment Screening Toxicity Values
LMC Middle River Complex, Maryland
Page 2 of 4

Chemical	CAS No.	Units	Ecological Screening Levels	Source
Azobenzene	103-33-3	ug/kg(dry)	None	None
Benzidine	92-87-5	ug/kg(dry)	None	None
Benzo(a)anthracene	56-55-3	ug/kg(dry)	261	EPA (1995)
Benzo(a)pyrene	50-32-8	ug/kg(dry)	430	EPA (1995)
Benzo(b)fluoranthene	205-99-2	ug/kg(dry)	3,200	EPA (1995)
Benzo(g,h,I)perylene	191-24-2	ug/kg(dry)	670	EPA (1995)
Benzo(k)fluoranthene	207-08-9	ug/kg(dry)	240	Jones et al. (1997)
Benzoic Acid	65-85-0	ug/kg(dry)	650	EPA (1995)
Benzyl Alcohol	100-51-6	ug/kg(dry)	1.04	EPA (1995)
Bis(2-chlorethyl)ether	111-44-4	ug/kg(dry)	3520	EPA (2003)
Bis(2-chloroethoxy)methane	111-91-1	ug/kg(dry)	None	None
Bis(2-ethylhexyl)phthalate	117-81-7	ug/kg(dry)	1,300	EPA (1995)
Butyl benzyl phthalate	85-68-7	ug/kg(dry)	63	EPA (1995)
Carbazole	86-74-8	ug/kg(dry)	None	None
Chrysene	218-01-9	ug/kg(dry)	384	EPA (1995)
Dibenzo(a,h)anthracene	53-70-3	ug/kg(dry)	63.4	EPA (1995)
Dibenzofuran	132-64-9	ug/kg(dry)	540	EPA (1995)
Diethyl phthalate	84-66-2	ug/kg(dry)	200	EPA (1995)
Dimethyl phthalate	131-11-3	ug/kg(dry)	71	EPA (1995)
Di-n-butyl-phthalate	84-74-2	ug/kg(dry)	1,400	EPA (1995)
Di-n-octyl phthalate	117-84-0	ug/kg(dry)	6,200	EPA (1995)
Fluoranthene	206-44-0	ug/kg(dry)	600	EPA (1995)
Fluorene	86-73-7	ug/kg(dry)	19	EPA (1995)
Hexachlorobenzene	118-74-1	ug/kg(dry)	22	EPA (1995)
Hexachlorobutadiene	87-68-3	ug/kg(dry)	11	EPA (1995)
Hexachlorocylcopentadiene	77-47-4	ug/kg(dry)	901	EPA (2003)
Hexachloroethane	67-72-1	ug/kg(dry)	584	EPA (2003)
Indeno(1,2,3-cd)pyrene	193-39-5	ug/kg(dry)	600	EPA (1995)
Isophrone	78-59-1	ug/kg(dry)	432	EPA (2003)
Napthalene	91-20-3	ug/kg(dry)	160	EPA (1995)
Nitrobenzene	98-95-3	ug/kg(dry)	145	EPA (2003)
n-Nitrosodimehtylamine	62-75-9	ug/kg(dry)	None	None
n-Nitroso-di-n-propylamine	621-64-7	ug/kg(dry)	None	None
n-Nitrosodiphenylamine	86-30-6	ug/kg(dry)	28	EPA (1995)
Pentachlorophenol	87-86-5	ug/kg(dry)	360	EPA (1995)
Phenanthrene	85-01-8	ug/kg(dry)	240	EPA (1995)
Phenol	108-95-2	ug/kg(dry)	420	EPA (1995)
Pyrene	129-00-0	ug/kg(dry)	665	EPA (1995)
Pyridine	110-86-1	ug/kg(dry)	106	EPA (2003)
Volatile Organics				
1,1,1,2-Tetrachloroethane	630-20-6	ug/kg(dry)	None	None
1,1,1-Trichloroethane	71-55-6	ug/kg(dry)	31	EPA (1995)
1,1,2,2-Tetrachloroethane	79-34-5	ug/kg(dry)	850	EPA (2003)
1,1,2-Trichloroethane	79-00-5	ug/kg(dry)	31	EPA (1995)
1,1,2-Trichlortrifluoroethane	76-13-1	ug/kg(dry)	None	None
1,1-Dichloroethane	75-34-3	ug/kg(dry)	0.575	EPA (2003)
1,1-Dichloroethene	75-35-4	ug/kg(dry)	19.4	EPA (2003)
1,1-Dichloropropane	563-58-6	ug/kg(dry)	None	None
1,2,3-Trichlorobenzene	87-61-6	ug/kg(dry)	40	EPA (1995)
1,2,3-Trichloropropane	96-18-4	ug/kg(dry)	None	None
1,2,3-Trimethylbenzene	526-73-8	ug/kg(dry)	None	None
1,2,4-Trichlorobenzene	120-82-1	ug/kg(dry)	40	EPA (1995)

Table 5-5

Summary of Ecological Risk Sediment Screening Toxicity Values
LMC Middle River Complex, Maryland
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Chemical	CAS No.	Units	Ecological Screening Levels	Source
1,2,4-Trimethylbenzene	95-63-6	ug/kg(dry)	None	None
1,2-Dibromo-3-chloropropane	96-12-8	ug/kg(dry)	None	None
1,2-Dibromomethane	106-93-4	ug/kg(dry)	None	None
1,2-Dichlorobenzene	95-50-1	ug/kg(dry)	35	EPA (1995)
1,2-Dichloroethane	107-06-2	ug/kg(dry)	260	EPA (2003)
1,2-Dichloroethene	540-59-0	ug/kg(dry)	None	None
1,2-Dichloropropane	78-87-5	ug/kg(dry)	333	EPA (2003)
1,3-Dichlorobenzene	541-73-1	ug/kg(dry)	1315	EPA (2003)
1,3-Dichloropropane	541-73-1	ug/kg(dry)	None	None
1,4-Dichlorobenzene	106-46-7	ug/kg(dry)	110	EPA (1995)
2,2-Dichloropropane	142-28-9	ug/kg(dry)	None	None
2-Butanone	78-93-3	ug/kg(dry)	None	None
2-Chloroethyl vinyl ether	110-75-8	ug/kg(dry)	None	None
2-Chlorotoluene	95-49-8	ug/kg(dry)	None	None
2-Hexanone	591-78-6	ug/kg(dry)	58.2	EPA (2003)
4-Chlorotoluene	106-43-4	ug/kg(dry)	None	None
4-Isopropyltoluene	99-87-6	ug/kg(dry)	None	None
4-Methyl-2-pentanone	108-10-1	ug/kg(dry)	25.1	EPA (2003)
Acetone	67-64-1	ug/kg(dry)	9.9	EPA (2003)
Benzene	71-43-2	ug/kg(dry)	142	EPA (2003)
Bromobenzene	108-86-1	ug/kg(dry)	None	None
Bromodichloromethane	75-27-4	ug/kg(dry)	None	None
Bromoform	75-25-2	ug/kg(dry)	492	EPA (2003)
Bromomethane	74-83-9	ug/kg(dry)	1.37	EPA (2003)
cis-1,2-Dichloroethene	156-59-2	ug/kg(dry)	None	None
cis-1,3-Dichloropropene	10061-01-5	ug/kg(dry)	None	None
Caron disulfide	75-15-0	ug/kg(dry)	23.9	EPA (2003)
Carbon tetrachloride	56-23-5	ug/kg(dry)	1450	EPA (2003)
Chlorobenzene	108-90-7	ug/kg(dry)	291	EPA (2003)
Chlorodibromomethane	124-48-1	ug/kg(dry)	None	None
Chloroethane	75-00-3	ug/kg(dry)	None	None
Chloroform	67-66-3	ug/kg(dry)	121	EPA (2003)
Chloromethane (methyl chloride)	74-87-3	ug/kg(dry)	None	None
Cyclohexane	110-82-7	ug/kg(dry)	None	None
Dibromochloromethane	124-48-1	ug/kg(dry)	None	None
Dichlorodifluoromethane	75-71-8	ug/kg(dry)	None	None
Diisopropyl ether	108-20-3	ug/kg(dry)	None	None
Ethyl Tert-Butyl Ether	637-92-3	ug/kg(dry)	None	None
Ethylbenzene	100-41-4	ug/kg(dry)	10	EPA (1995)
Isopropylbenzene (cumene)	98-82-8	ug/kg(dry)	None	None
m&p xylenes	NA	ug/kg(dry)	None	None
Methyl acetate	79-20-9	ug/kg(dry)	None	None
Methyl cyclohexane	108-87-2	ug/kg(dry)	None	None
Methylene Chloride	75-09-2	ug/kg(dry)	159	EPA (2003)
Methyl-tert-butyl ether (MTBE)	1634-04-4	ug/kg(dry)	None	None
n-Butylbenzene	104-51-8	ug/kg(dry)	None	None
n-Propylbenzene	103-65-1	ug/kg(dry)	None	None
o xylene	95-47-6	ug/kg(dry)	None	None
sec-Butylbenzene	135-98-8	ug/kg(dry)	None	None
Styrene	1001-42-5	ug/kg(dry)	254	EPA (2003)
Tert-Amyl Methyl Ether	994-05-8	ug/kg(dry)	None	None
Tert-Butylbenzene	98-06-6	ug/kg(dry)	None	None

Table 5-5

Summary of Ecological Risk Sediment Screening Toxicity Values
LMC Middle River Complex, Maryland
Page 4 of 4

Chemical	CAS No.	Units	Ecological Screening Levels	Source
Tertiary-butyl alcohol	75-65-0	ug/kg(dry)	None	None
trans-1,2-Dichloroethene	156-60-5	ug/kg(dry)	654	EPA (2003)
trans-1,3-Dichloropropene	10061-02-6	ug/kg(dry)	None	None
Tetrachloroethene	127-18-4	ug/kg(dry)	57	EPA (1995)
Toluene	108-88-3	ug/kg(dry)	1220	EPA (2003)
Trichloroethene	79-01-6	ug/kg(dry)	41	Buchman (1999)
Trichlorofluoromethane	75-69-4	ug/kg(dry)	None	EPA (2003)
Vinyl Acetate	108-05-4	ug/kg(dry)	None	None
Vinyl chloride	75-01-4	ug/kg(dry)	202	EPA (2003)
Xylenes, Total	1330-20-7	ug/kg(dry)	40	EPA (1995)
PCBs				
Aroclor 1016	12674-11-2	ug/kg(dry)	22.7	EPA (1995)
Aroclor 1221	11104-28-2	ug/kg(dry)	22.7	EPA (1995)
Aroclor 1232	11141-16-5	ug/kg(dry)	22.7	EPA (1995)
Aroclor 1242	53469-21-9	ug/kg(dry)	22.7	EPA (1995)
Aroclor 1248	12672-29-6	ug/kg(dry)	22.7	EPA (1995)
Aroclor 1254	11097-69-1	ug/kg(dry)	22.7	EPA (1995)
Aroclor 1260	11096-82-5	ug/kg(dry)	22.7	EPA (1995)

Table 5-6

Sediment COPC
LMC Middle River Complex, Middle River, Maryland
Page 1 of 4

Chemical	Minimum Concentration	Minimum Qualifier	Maximum Concentration	Maximum Qualifier	Units	Location of Maximum Concentration	Detection Frequency	Frequency of Sites with Concentrations Above	Screening Toxicity Value	EPC	COPC Flag	Additional Considerations
METALS												
Antimony	0.19	U	4.6		mg/kg	SD-04	4 / 59	0 / 59	150	0.03	No	
Arsenic[1]	0.73	U	12.6		mg/kg	SD-31-01	58 / 59	25 / 59	8.2	**1.54**	Yes	
Barium	8		112		mg/kg	SD-13-02	49 / 49	30 / 49	48	**2.33**	Yes	
Beryllium	0.23	B	3.6		mg/kg	SD-31-01	56 / 59	NA	NA	NA	Yes	COPC due to lack of STV
Cadmium[1]	0.035	B	157		mg/kg	SD-42-01	49 / 59	50 / 59	1.2	**130.8**	Yes	
Chromium[1]	24.2		1100		mg/kg	SD-42-01	59 / 59	45 / 59	81	**13.58**	Yes	
Cobalt	3.9		29		mg/kg	SD-31-01	49 / 49	42 / 49	10	**2.90**	Yes	
Hexavalent Chromium	0.22	U	13		mg/kg	SD-37-SS	6 / 59	0 / 59	81	0.16	No	
Copper[1]	7.4		159		mg/kg	SD-9	59 / 59	48 / 59	34	**4.7**	Yes	
Lead[1]	8.9		316		mg/kg	SD-40-02	59 / 59	50 / 59	46.7	**6.8**	Yes	
Mercury[1]	0.008	U	6.1		mg/kg	SD-16-02	56 / 59	49 / 59	0.15	**40.7**	Yes	
Molybdenum	0.17	U	1.35	B	mg/kg	SD-13-02	0 / 49	NA	NA	NA	Yes	COPC due to lack of STV
Nickel[1]	8.4		69.1		mg/kg	SD-16-01	59 / 59	49 / 59	20.9	**3.3**	Yes	
Selenium[1]	0.165	U	2.9		mg/kg	SD-12	9 / 59	6 / 59	1	**2.9**	Yes	
Silver[1]	0.046	U	28.6		mg/kg	SD-28-SS	21 / 59	26 / 59	1	**28.6**	Yes	
Thallium	0.14	U	2	B	mg/kg	SD-32-SS	1 / 59	NA	NA	NA	Yes	COPC due to lack of STV
Vanadium	14.9		120		mg/kg	SD-28-SS	49 / 49	17 / 49	57	**2.1**	Yes	
Zinc[1]	32.4		636		mg/kg	SD-28-SS	59 / 59	49 / 59	150	**4.2**	Yes	
SVOCs												
1,2-Diphenylhydrazine	195	U	550	U	ug/kg	NA	0 / 10	NA	NA	NA	Yes	COPC due to lack of STV
1,4-Dioxane	215	U	800	U	ug/kg	NA	0 / 45	NA	NA	NA	Yes	COPC due to lack of STV
1-Methylnaphthalene	215	U	800	U	ug/kg	NA	0 / 45	NA	NA	NA	Yes	COPC due to lack of STV
2,2'-Oxybis(1-chloropropane)	195	U	800	U	ug/kg	NA	0 / 55	NA	NA	NA	Yes	COPC due to lack of STV
2,4,5-Trichlorophenol	195	U	2050	U	ug/kg	NA	0 / 55	NA	NA	NA	Yes	COPC due to lack of STV
2,4,6-Trichlorophenol	195	U	800	U	ug/kg	NA	0 / 55	54 / 55	208	**3.8**	Yes	COPC due to 1/2 RL > STV
2,4-Dichlorophenol	195	U	800	U	ug/kg	NA	0 / 55	NA	NA	NA	Yes	COPC due to lack of STV
2,4-Dimethylphenol	195	U	800	U	ug/kg	NA	0 / 55	55 / 55	29	**27.6**	Yes	COPC due to 1/2 RL > STV
2,4-Dinitrophenol	395	U	2050	U	ug/kg	NA	0 / 55	55 / 55	6.21	**330.1**	Yes	COPC due to 1/2 RL > STV
2,4-Dinitrotoluene	195	U	800	U	ug/kg	NA	0 / 55	55 / 55	14.4	**55.6**	Yes	COPC due to 1/2 RL > STV
2,6-Dinirtoluene	195	U	800	U	ug/kg	NA	0 / 55	55 / 55	39.8	**20.1**	Yes	COPC due to 1/2 RL > STV
2-Chloronaphthalene	195	U	800	U	ug/kg	NA	0 / 55	37 / 55	417	**1.9**	Yes	COPC due to 1/2 RL > STV
2-Chlorphenol	195	U	800	U	ug/kg	NA	0 / 55	55 / 55	31.9	**25.1**	Yes	COPC due to 1/2 RL > STV
2-Methylnaphthalene	34	J	800	U	ug/kg	SD-13-02	5 / 55	54 / 55	70	**11.4**	Yes	
2-Methylphenol (o-Cresol)	195	U	800	U	ug/kg	NA	0 / 55	55 / 55	63	**12.7**	Yes	COPC due to 1/2 RL > STV
2-Nitroaniline	195	U	2050	U	ug/kg	NA	0 / 55	NA	NA	NA	Yes	COPC due to lack of STV
2-Nitrophenol	195	U	800	U	ug/kg	NA	0 / 55	NA	NA	NA	Yes	COPC due to lack of STV
3&4-Methylphenol	215	U	800	U	ug/kg	NA	0 / 45	NA	NA	NA	Yes	COPC due to lack of STV
3,3-Dichlorobenzidine	215	U	1100	U	ug/kg	NA	0 / 55	55 / 55	127	**8.7**	Yes	COPC due to 1/2 RL > STV
3-Nitroaniline	195	U	2050	U	ug/kg	NA	0 / 55	NA	NA	NA	Yes	COPC due to lack of STV
4,6-Dinitro-2-methylphenol	395	U	2050	U	ug/kg	NA	0 / 55	NA	NA	NA	Yes	COPC due to lack of STV
4-Bromophenyl phenyl ether[1]	195	U	800	U	ug/kg	NA	0 / 55	0 / 55	1550	0.5	No	
4-Chloro-3-methylphenol	195	U	800	U	ug/kg	NA	0 / 55	NA	NA	NA	Yes	COPC due to lack of STV
4-Chloroaniline	195	U	800	U	ug/kg	NA	0 / 55	55 / 55	146	**5.5**	Yes	COPC due to 1/2 RL > STV
4-Chlorphenyl phenyl ether[1]	195	U	800	U	ug/kg	NA	0 / 55	NA	NA	NA	Yes	COPC due to lack of STV
4-Methylphenol (p-Cresol)	195	U	550	U	ug/kg	NA	0 / 10	0 / 10	670	0.8	No	

Table 5-6

Sediment COPC
LMC Middle River Complex, Middle River, Maryland
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Chemical	Minimum Concentration	Minimum Qualifier	Maximum Detected Conc.	Maximum Qualifier	Units	Location of Maximum Concentration	Detection Frequency	Frequency of Detection with Concentrations Above Blank	Screening Toxicity Value	SWI	COPC Flag	Additional Considerations
4-Nitroaniline	195	U	2050	U	ug/kg	NA	0 / 55	NA	NA	**NA**	Yes	COPC due to lack of STV
4-Nitrophenol	395	U	2050	U	ug/kg	NA	0 / 55	55 / 5	13.3	**154.1**	Yes	COPC due to 1/2 RL > STV
Acenaphthene[1]	160	J	800	U	ug/kg	SD-28-SS	18 / 55	55 / 55	16	**50.0**	Yes	
Acenaphthylene[1]	55	J	800	U	ug/kg	SD-13-02	3 / 55	55 / 55	44	**18.2**	Yes	
Aniline	195	U	800	U	ug/kg	NA	0 / 55	55 / 55	0.31	**2580.6**	Yes	COPC due to 1/2 RL > STV
Anthracene[1]	100	J	1700		ug/kg	SD-28-SS	20 / 55	55 / 55	85.3	**19.9**	Yes	
Azobenzene	215	U	800	U	ug/kg	NA	0 / 45	NA	NA	NA	Yes	COPC due to lack of STV
Benzidine	195	U	2050	U	ug/kg	NA	0 / 55	NA	NA	**NA**	Yes	COPC due to lack of STV
Benzo(a)anthracene[1]	140	J	7400		ug/kg	SD-13-01	41 / 55	51 / 55	261	**28.4**	Yes	
Benzo(a)pyrene[1]	150	J	7350		ug/kg	SD-13-01	45 / 55	34 / 55	430	**17.1**	Yes	
Benzo(b)fluoranthene[1]	190	J	10000		ug/kg	SD-13-01	46 / 55	7 / 55	3200	**3.1**	Yes	
Benzo(g,h,I)perylene[1]	110	J	5050		ug/kg	SD-13-01	26 / 55	21 / 55	670	**7.5**	Yes	
Benzo(k)fluoranthene[1]	170	J	4450		ug/kg	SD-13-01	32 / 55	52 / 55	240	**18.5**	Yes	
Benzoic Acid	395	U	2050	U	ug/kg	NA	0 / 55	48 / 55	650	**3.2**	Yes	COPC due to 1/2 RL > STV
Benzyl Alcohol	195	U	800	U	ug/kg	NA	0 / 55	55 / 55	1.04	**769.2**	Yes	COPC due to 1/2 RL > STV
Bis(2-chlorethyl)ether	195	U	800	U	ug/kg	NA	0 / 55	NA	NA	**NA**	Yes	COPC due to lack of STV
Bis(2-chloroethoxy)methane	195	U	800	U	ug/kg	NA	0 / 55	0 / 55	3520	0.2	No	
Bis(2-ethylhexyl)phthalate	78	J	3450		ug/kg	SD-13-01	46 / 55	11 / 55	1300	**2.7**	Yes	
Butyl benzyl phthalate	120	J	1015	J	ug/kg	SD-13-01	4 / 55	55 / 55	63	**16.1**	Yes	
Carbazole	130	J	1000	J	ug/kg	SD-13-01	11 / 55	NA	NA	**NA**	Yes	COPC due to lack of STV
Chrysene[1]	140	J	9200		ug/kg	SD-13-01	43 / 55	45 / 55	384	**24.0**	Yes	
Dibenzo(a,h)anthracene[1]	160	J	1750		ug/kg	SD-13-02	7 / 55	55 / 55	63.4	**27.6**	Yes	
Dibenzofuran	195	U	800	U	ug/kg	SD-13-01	5 / 55	55 / 55	540	**1.5**	Yes	
Diethyl phthalate	195	U	800	U	ug/kg	NA	0 / 55	54 / 55	200	**4.0**	Yes	COPC due to 1/2 RL > STV
Dimethyl phthalate	195	U	800	U	ug/kg	NA	0 / 55	55 / 55	71	**11.3**	Yes	COPC due to 1/2 RL > STV
Di-n-butyl-phthalate	195	U	800	U	ug/kg	NA	0 / 55	0 / 55	1400	0.6	No	
Di-n-octyl phthalate	195	U	800	U	ug/kg	NA	0 / 55	0 / 55	6200	0.1	No	
Fluoranthene[1]	140	J	11000		ug/kg	SD-13-01	47 / 55	34 / 55	600	**18.3**	Yes	
Fluorene[1]	81	J	920		ug/kg	SD-13-02	11 / 55	55 / 55	19	**48.4**	Yes	
Hexachlorobenzene[1]	195	U	800	U	ug/kg	NA	0 / 55	55 / 55	22	**36.4**	Yes	COPC due to 1/2 RL > STV
Hexachlorobutadiene[1]	195	U	800	U	ug/kg	NA	0 / 55	55 / 55	11	**72.7**	Yes	COPC due to 1/2 RL > STV
Hexachlorocyclopentadiene[1]	195	U	800	U	ug/kg	NA	0 / 52	0 / 52	901	0.9	No	
Hexachloroethane[1]	195	U	800	U	ug/kg	NA	0 / 54	16 / 54	584	**1.4**	Yes	COPC due to 1/2 RL > STV
Indeno(1,2,3-cd)pyrene[1]	95	J	6250		ug/kg	SD-13-01	27 / 55	30 / 55	600	**10.4**	Yes	
Isophrone	195	U	800	U	ug/kg	NA	0 / 55	35 / 55	432	**1.9**	Yes	COPC due to 1/2 RL > STV
Napthalene	180	J	1230	J	ug/kg	SD-13-01	9 / 55	55 / 55	160	**7.7**	Yes	
Nitrobenzene	195	U	800	U	ug/kg	NA	0 / 55	0 / 55	145	**5.5**	Yes	COPC due to 1/2 RL > STV
n-Nitrosodimethylamine	195	U	800	U	ug/kg	NA	0 / 55	NA	NA	**NA**	Yes	COPC due to lack of STV
n-Nitroso-di-n-propylamine	195	U	800	U	ug/kg	NA	0 / 55	NA	NA	**NA**	Yes	COPC due to lack of STV
n-Nitrosodiphenylamine	195	U	800	U	ug/kg	NA	0 / 55	55 / 55	28	**28.6**	Yes	COPC due to 1/2 RL > STV
Pentachlorophenol[1]	395	U	2050	U	ug/kg	NA	0 / 55	55 / 55	360	**5.7**	Yes	COPC due to 1/2 RL > STV
Phenanthrene[1]	130	J	7850		ug/kg	SD-13-01	38 / 55	51 / 55	240	**32.7**	Yes	
Phenol	195	U	800	U	ug/kg	NA	0 / 55	37 / 55	420	**1.9**	Yes	COPC due to 1/2 RL > STV
Pyrene[1]	230	U	22500		ug/kg	SD-13-01	46 / 55	39 / 55	665	**33.8**	Yes	
Pyridine	195	U	800	U	ug/kg	NA	0 / 55	55 / 55	106	**7.5**	Yes	COPC due to 1/2 RL > STV

Table 5-6

Sediment COPC
LMC Middle River Complex, Middle River, Maryland
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Chemical	Minimum Concentration	Minimum Qualifier	Maximum Concentration	Maximum Qualifier	Units	Location of Maximum Concentration	Detection Frequency	Frequency of Sites with Concentrations Above	Screening Toxicity Value	SVR	COPC Flag	Additional Considerations
VOCs												
1,1,1,2-Tetrachloroethane[1]	3	U	27	U	ug/kg	NA	0 / 49	0 / 49	NA	NA	Yes	COPC due to lack of STV
1,1,1-Trichloroethane	2.95	U	27	U	ug/kg	NA	0 / 59	0 / 59	31	0.9	No	
1,1,2,2-Tetrachloroethane[1]	2.95	U	27	U	ug/kg	NA	0 / 59	0 / 59	850	0.03	No	
1,1,2-Trichloroethane	2.95	U	8.5	U	ug/kg	NA	0 / 10	0 / 10	31	0.3	No	
1,1,2-Trichlortrifluoroethane	2.95	U	27	U	ug/kg	NA	0 / 60	NA	NA	NA	Yes	COPC due to lack of STV
1,1-Dichloroethane	2.95	U	27	U	ug/kg	NA	0 / 60	60 / 60	0.575	47.0	Yes	COPC due to 1/2 RL > STV
1,1-Dichloroethene	2.95	U	27	U	ug/kg	NA	0 / 59	1 / 60	19.4	1.4	Yes	COPC due to 1/2 RL > STV
1,1-Dichloropropene	3	U	27	U	ug/kg	NA	0 / 50	NA	NA	NA	Yes	COPC due to lack of STV
1,2,3-Trichlorobenezene	3	U	27	U	ug/kg	NA	0 / 49	0 / 49	40	0.7	No	
1,2,3-Trichloropropane	3	U	27	U	ug/kg	NA	0 / 50	NA	NA	NA	Yes	COPC due to lack of STV
1,2,3-Trimethylbenzene	3	U	27	U	ug/kg	NA	0 / 50	NA	NA	NA	Yes	COPC due to lack of STV
1,2,4-Trichlorobenzene[1]	2.95	U	27	U	ug/kg	SD-22-SS, SD-23-SS	5 / 61	0 / 61	40	0.7	No	
1,2,4-Trimethylbenzene	3	U	27	U	ug/kg	NA	0 / 49	NA	NA	NA	Yes	COPC due to lack of STV
1,2-Dibromo-3-Chloropropane	2.95	U	27	U	ug/kg	NA	0 / 60	NA	NA	NA	Yes	COPC due to lack of STV
1,2-Dibromoethane	2.95	U	27	U	ug/kg	NA	0 / 60	NA	NA	NA	Yes	COPC due to lack of STV
1,2-Dichlorobenzene[1]	0.9	J	27	U	ug/kg	SD-28-01	1 / 59	0 / 59	35	0.8	No	
1,2-Dichloroethane	2.95	U	27	U	ug/kg	NA	0 / 59	0 / 59	260	0.10	No	
1,2-Dichloroethene	6.5	U	55	U	ug/kg	NA		NA	NA	NA	Yes	COPC due to lack of STV
1,2-Dichloropropane	2.95	U	27	U	ug/kg	NA	0 / 59	0 / 59	333	0.08	No	
1,3-Dichlorobenzene[1]	1	J	27	U	ug/kg	SD-22-SS	2 / 59	0 / 59	1315	0.02	No	
1,3-Dichloropropane	1	U	27	U	ug/kg	NA	0 / 49	NA	NA	NA	Yes	COPC due to lack of STV
1,4-Dichlorobenzene[1]	1	J	27	U	ug/kg	SD-22-SS	4 / 59	0 / 59	110	0.25	No	
2,2-Dichloropropane	3	U	27	U	ug/kg	NA	0 / 50	NA	NA	NA	Yes	COPC due to lack of STV
2-Butanone (MEK)	6	U	58.5	J	ug/kg	SD-13-SS	8 / 36	NA	NA	NA	Yes	COPC due to lack of STV
2-Chloroethyl vinyl ether	3	U	27	U	ug/kg	NA	0 / 50	NA	NA	NA	Yes	COPC due to lack of STV
2-Chlorotoluene	3	U	27	U	ug/kg	NA	0 / 50	NA	NA	NA	Yes	COPC due to lack of STV
2-Hexanone (MBK)	6	U	135	U	ug/kg	NA	0 / 59	3 / 59	58.2	2.3	Yes	COPC due to 1/2 RL > STV
4-Chlorotoluene	3	U	27	U	ug/kg	NA	0 / 50	NA	NA	NA	Yes	COPC due to lack of STV
4-Isopropyltoluene	3	U	27	U	ug/kg	NA	0 / 50	NA	NA	NA	Yes	COPC due to lack of STV
4-Methyl-2-Pentanone	6	U	135	U	ug/kg	NA	0 / 61	NA	NA	NA	Yes	COPC due to lack of STV
Acetone	7	U	210	JB	ug/kg	SD-14-01RA2	46 / 58	54 / 58	9.9	21.2	Yes	
Benzene	2.95	U	27	U	ug/kg	NA	0 / 60	0 / 60	142	0.19	No	
Bromobenzene	3	U	27	U	ug/kg	NA	0 / 49	NA	NA	NA	Yes	COPC due to lack of STV
Bromochloromethane	3		27		ug/kg	NA	0 / 49	NA	NA	NA	Yes	COPC due to lack of STV
Bromodichloromethane	2.95	U	27	U	ug/kg	NA	0 / 59	NA	NA	NA	Yes	COPC due to lack of STV
Bromoform	2.95	U	27	U	ug/kg	NA	0 / 59	0 / 59	492	0.05	No	
Bromomethane	6	U	55	U	ug/kg	NA	0 / 59	59 / 59	1.37	40.1	Yes	COPC due to 1/2 RL > STV
c-1,2-Dichloroethene	2	J	27	U	ug/kg	SD-19-02RA	1 / 59	1 / 59	23.9	1.1	Yes	
c-1,3-Dichloropropene	2.95	U	27	U	ug/kg	NA	0 / 60	0 / 60	1450	0.02	No	
Carbon Disulfide	2.95	U	19	J	ug/kg	SD-14-01RA2	11 / 59	0 / 59	291	0.07	No	
Carbon Tetrachloride	2.95	U	27	U	ug/kg	NA	0 / 59	NA	NA	NA	Yes	COPC due to lack of STV
Chlorobenzene	2.95	U	27	U	ug/kg	SD-27-02	2 / 59	0 / 59	121	0.22	No	
Chlorodibromomethane	2.95	U	27	U	ug/kg	NA	0 / 59	NA	NA	NA	Yes	COPC due to lack of STV
Chloroethane	6	U	55	U	ug/kg	NA	0 / 60	NA	NA	NA	Yes	COPC due to lack of STV
Chloroform	2.95	U	27	U	ug/kg	NA	0 / 59	NA	NA	NA	Yes	COPC due to lack of STV
Chloromethane	6	U	55	U	ug/kg	SD-35-SSRA2	1 / 60	NA	NA	NA	Yes	COPC due to lack of STV
Cyclohexane	2.95	U	8.5	U	ug/kg	NA	0 / 10	NA	NA	NA	Yes	COPC due to lack of STV

Table 5-6

Sediment COPC
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Chemical	Minimum Concentration	Minimum Qualifier	Maximum Concentration	Maximum Qualifier	Units	Location of Maximum Concentration	Detection Frequency	Frequency of Detect with Concentrations Above	Screening Toxicity Value	SVR	COPC Flag	Additional Considerations
Dibromomethane	3	U	27	U	ug/kg	NA	0 / 49	NA	NA	NA	Yes	COPC due to lack of STV
Dichlorodifluoromethane	2.95	U	55	U	ug/kg	NA	0 / 59	NA	NA	NA	Yes	COPC due to lack of STV
Diisopropyl ether	3	U	27	U	ug/kg	NA	0 / 50	NA	NA	NA	Yes	COPC due to lack of STV
Ethyl Tert-Butyl Ether	3	U	27	U	ug/kg	NA	0 / 49	NA	NA	NA	Yes	COPC due to lack of STV
Ethylbenzene	2.95	U	27	U	ug/kg	NA	0 / 59	13 / 59	10	**2.7**	Yes	COPC due to 1/2 RL > STV
Isopropylbenzene (Cumene)	2.95	U	100		ug/kg	SD-13-01	4 / 59	0 / 59	159	0.63	No	
m&p xylenes	2.95	U	55	U	ug/kg	NA	0 / 59	NA	NA	NA	Yes	COPC due to lack of STV
Methyl acetate	2.95	U	8.5	U	ug/kg	NA	0 / 10	NA	NA	NA	Yes	COPC due to lack of STV
Methyl cyclohexane	2.95	U	8.5	U	ug/kg	NA	0 / 10	NA	NA	NA	Yes	COPC due to lack of STV
Methylene Chloride	3.5	B	54	JB	ug/kg	SD-14-01RA2	24 / 59	NA	NA	NA	Yes	COPC due to lack of STV
Methyl-t-Butyl Ether (MTBE)	2	J	55	U	ug/kg	SD-28-SS	28 / 59	NA	NA	NA	Yes	COPC due to lack of STV
n-Butylbenzene	3	U	27	U	ug/kg	NA	0 / 49	NA	NA	NA	Yes	COPC due to lack of STV
n-Propylbenzene	3	U	27	U	ug/kg	NA	0 / 49	NA	NA	NA	Yes	COPC due to lack of STV
o xylene	2.95	U	27	U	ug/kg	NA	0 / 59	NA	NA	NA	Yes	COPC due to lack of STV
sec-Butylbenzene	3	U	320	E	ug/kg	SD-13-01	4 / 49	NA	NA	NA	Yes	COPC due to lack of STV
Styrene	2.95	U	27	U	ug/kg	SD-13-SS	4 / 49	0 / 49	254	0.11	No	
Tert-Amyl Methyl Ether	3	U	27	U	ug/kg	NA	0 / 49	NA	NA	NA	Yes	COPC due to lack of STV
Tert-Butylbenzene	2	J	27	U	ug/kg	SD-19-01RA	1 / 49	NA	NA	NA	Yes	COPC due to lack of STV
Tertiary-butyl alcohol	6.5	U	55	U	ug/kg	NA	0 / 21	NA	NA	NA	Yes	COPC due to lack of STV
t-1,2-Dichloroethene	2.95	U	27	U	ug/kg	NA	0 / 59	0 / 59	654	0.04	No	
t-1,3-Dichloropropene	2.95	U	27	U	ug/kg	NA	0 / 59	NA	NA	NA	Yes	COPC due to lack of STV
Tetrachloroethene	2.95	U	27	U	ug/kg	NA	0 / 59	0 / 59	57	0.5	No	
Toluene	1	J	27	U	ug/kg	SD-19-02RA, SD-27	8 / 59	0 / 59	1220	0.02	No	
Trichloroethene	2.95	U	27	U	ug/kg	NA	0 / 59	0 / 59	41	0.7	No	
Trichlorofluoromethane	2.95	U	55	U	ug/kg	NA	0 / 59	NA	NA	NA	Yes	COPC due to lack of STV
Vinyl Acetate	3	U	27	U	ug/kg	NA	0 / 49	NA	NA	NA	Yes	COPC due to lack of STV
Vinyl Chloride	6	U	55	U	ug/kg	NA	0 / 60	0 / 60	202	0.27	No	
Xylenes, total	9.5	U	80	U	ug/kg	NA	0 / 49	1 / 49	40	**2.00**	Yes	COPC due to 1/2 RL > STV
PCBs												
Aroclor 1016[1]	11	U	5500	U	ug/kg	NA	0 / 55	38 / 55	22.7	**242.3**	Yes	COPC due to 1/2 RL > STV
Aroclor 1221[1]	11	U	5500	U	ug/kg	NA	0 / 55	37 / 55	22.7	**242.3**	Yes	COPC due to 1/2 RL > STV
Aroclor 1232[1]	11	U	5500	U	ug/kg	NA	0 / 55	38 / 55	22.7	**242.3**	Yes	COPC due to 1/2 RL > STV
Aroclor 1242[1]	11	U	5500	U	ug/kg	NA	0 / 55	39 / 55	22.7	**242.3**	Yes	COPC due to 1/2 RL > STV
Aroclor 1248[1]	11	U	5500	U	ug/kg	NA	0 / 55	38 / 55	22.7	**242.3**	Yes	COPC due to 1/2 RL > STV
Aroclor 1254[1]	11	U	5500	U	ug/kg	NA	0 / 55	39 / 55	22.7	**242.3**	Yes	COPC due to 1/2 RL > STV
Aroclor 1260[1]	14.5	U	54000		ug/kg	SD-9	0 / 55	50 / 55	22.7	**2378.9**	Yes	

[1] - indicates chemicals that are bioaccumulative (Table 4-2., USEPA 2000).
N/A = Not Available
COPC = Chemical of Potential Concern
SVR = Screening Value Ratio (maximum detected concentration/screening toxicity value)
J = Indicates an estimated value
K = Estimated high value

Table 5-7

Summary of Aquatic COPC Identified in Step 1 Screen
LMC Middle River Complex, Middle River, Maryland
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Chemical	Sediment	Surface Water
Inorganics		
Total Antimony		
Total Arsenic	X	
Total Barium	X	
Total Beryllium	x	
Total Cadmium	X	X
Total Chromium	X	
Total Copper	X	X
Total Hexavalent Chromium		x
Total Lead	X	X
Total Mercury	X	
Total Molybdenum	x	
Total Nickel	X	
Total Selenium	X	
Total Silver	X	X
Total Thallium	x	
Total Vanadium	X	
Total Zinc	X	
Dissolved Antimony	NA	
Dissolved Arsenic	NA	
Dissolved Beryllium	NA	
Dissolved Cadmium	NA	X
Dissolved Chromium	NA	
Dissolved Copper	NA	
Dissolved Hexavalent Chromium	NA	
Dissolved Lead	NA	X
Dissolved Mercury	NA	
Dissolved Nickel	NA	
Dissolved Selenium	NA	
Dissolved Silver	NA	X
Dissolved Thallium	NA	
Dissolved Zinc	NA	
Semivolatile organics		
1,2-Diphenylhydrazine	x	
1,4-Dioxane	x	
1-Methylnaphthalene	x	x
2,2'-Oxybis(1-chloropropane)	x	x
2,4,5-Trichlorophenol	x	
2,4,6-Trichlorophenol	x	
2,4-Dichlorophenol	x	
2,4-Dimethylphenol	x	
2,4-Dinitrophenol	x	
2,4-Dinitrotoluene	x	
2,6-Dinitrotoluene	x	
2-Chloronaphthalene	x	
2-Chlorphenol	x	
2-Methylnaphthalene	X	
2-Methylphenol	x	
2-Nitroaniline	x	x
2-Nitrophenol	x	
3&4-Methylphenol	x	x
3,3-Dichlorobenzidine	x	x
3-Nitroaniline	x	x
4,6-Dinitro-2-methylphenol	x	x
4-Bromophenyl phenyl ether		x
4-Chloro-3-methylphenol	x	x
4-Chloroaniline	x	
4-Chlorphenyl phenyl ether	x	x
4-Methylphenol		x
4-Nitroaniline	x	x
4-Nitrophenol	x	
Acenaphthene	X	
Acenaphthylene	X	
Aniline	x	x
Anthracene	X	x

Table 5-7

Summary of Aquatic COPC Identified in Step 1 Screen
LMC Middle River Complex, Middle River, Maryland
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Chemical	Sediment	Surface Water
Azobenzene	x	x
Benzidine	x	
Benzo(a)anthracene	X	
Benzo(a)pyrene	X	x
Benzo(b)fluoranthene	X	
Benzo(g,h,I)perylene	X	
Benzo(k)fluoranthene	X	x
Benzoic Acid	x	
Benzyl Alcohol	x	
Bis(2-chlorethyl)ether	x	
Bis(2-chloroethoxy)methane		
Bis(2-ethylhexyl)phthalate	X	
Butyl benzyl phthalate	X	x
Carbazole	x	x
Chrysene	X	x
Dibenzo(a,h)anthracene	X	x
Dibenzofuran	X	
Diethyl phthalate	x	x
Dimethyl phthalate	x	x
Di-n-butyl-phthalate		X
Di-n-octyl phthalate		x
Fluoranthene	X	
Fluorene	X	
Hexachlorobenzene	x	x
Hexachlorobutadiene	x	
Hexachlorocylcopentadiene		x
Hexachloroethane	x	
Indeno(1,2,3-cd)pyrene	X	x
Isophrone	x	
Napthalene	X	
Nitrobenzene	x	
n-Nitrosodimethylamine	x	x
n-Nitroso-di-n-propylamine	x	x
n-Nitrosodiphenylamine	x	
Pentachlorophenol	x	
Phenanthrene	X	
Phenol	x	
Pyrene	X	x
Pyridine	x	
Volatile Organics		
1,1,1,2-Tetrachloroethane		
1,1,1-Trichloroethane		
1,1,2,2-Tetrachloroethane		
1,1,2-Trichloroethane		
1,1,2-Trichlortrifluoroethane	x	x
1,1-Dichloroethane	x	
1,1-Dichloroethene	x	
1,1-Dichloropropene	x	
1,2,3-Trichlorobenezene		
1,2,3-Trichloropropane	x	x
1,2,3-Trimethylbenzene	x	x
1,2,4-Trichlorobenzene		
1,2,4-Trimethylbenzene	x	x
1,2-Dibromo-3-chloropropane	x	x
1,2-Dibromomethane	x	
1,2-Dichlorobenzene		
1,2-Dichloroethane		
1,2-Dichloroethene	x	x
1,2-Dichloropropane		
1,3-Dichlorobenzene		
1,3-Dichloropropane	x	x
1,4-Dichlorobenzene		
2,2-Dichloropropane	x	
2-Butanone	x	
2-Chloroethyl vinyl ether	x	

Table 5-7

Summary of Aquatic COPC Identified in Step 1 Screen
LMC Middle River Complex, Middle River, Maryland
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Chemical	Sediment	Surface Water
2-Chlorotoluene	x	x
2-Hexanone	x	
4-Chlorotoluene	x	x
4-Isopropyltoluene	x	x
4-Methyl-2-Pentanone	x	
4-Methyl-2-pentanone	x	
Acetone	X	
Benzene		
Bromobenzene	x	x
Bromochloromethane	x	
Bromodichloromethane	x	
Bromoform		
Bromomethane	x	
cis-1,2-Dichloroethene	x	
cis-1,3-Dichloropropene		
Caron disulfide		X
Carbon tetrachloride	x	
Chlorobenzene		
Chlorodibromomethane	x	
Chloroethane	x	x
Chloroform	x	
Chloromethane	x	
Cyclohexane	x	x
Dibromomethane	x	
Dichlorodifluoromethane	x	
Diisopropyl ether	x	x
Ethyl Tert-Butyl Ether	x	x
Ethylbenzene	x	
Isopropylbenzene (Cumene)		x
m&p xylenes	x	x
Methyl acetate	x	x
Methyl cyclohexane	x	x
Methylene Chloride	x	
Methyl-tert-butyl ether (MTBE)	x	x
n-Butylbenzene	x	x
n-Propylbenzene	x	x
o xylenes	x	x
sec-Butylbenzene	x	x
Styrene		
Tert-Amyl Methyl Ether	x	x
Tert-Butylbenzene	x	x
Teritary-butyl alcohol	x	x
trans-1,2-Dichloroethene		
trans-1,3-Dichloropropene	x	
Tetrachloroethene		
Toluene		
Trichloroethene		
Trichlorofluoromethane	x	
Vinyl Acetate	x	x
Vinyl Chloride		
Xylenes, total	x	
PCBs		
Aroclor 1016	x	x
Aroclor 1221	x	x
Aroclor 1232	x	
Aroclor 1242	x	x
Aroclor 1248	x	x
Aroclor 1254	x	x
Aroclor 1260	X	

X - COPC
x - only COPC because 1/2 the reporting unit is > screening toxicity value (STV) or no STV exists.
NA - Not Applicable

Table 5-8

Bioaccumulation Factors for the Step 2 Aquatic Food Web
LMC Middle River Complex, Middle River, Maryland
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COPC	Aquatic Invertebrate Bioaccumulation Factors (dw)	Reference	Plant Bioconcentration Factors (dw)	Reference	Fish Bioconcentration Factors from Surface Water (dw)	Reference	Fish Bioaccumulation Factors from Sediment (dw)	Reference
Total Arsenic	4.33	Bechtel Jacobs 1998b	1.103	Bechtel Jacobs 1998a	456	EPA 1999b	0.13	Pascoe et al. 1996
Total Cadmium	3.07	Bechtel Jacobs 1998b	3.25	Bechtel Jacobs 1998a	3628	EPA 1999b	0.16	Pascoe et al. 1996
Dissolved Cadmium	3.07	Value for Total Cadmium	3.25	Value for Total Cadmium	3628	Value for Total Cadmium	0.16	Value for Total Cadmium
Total Chromium	0.19	Bechtel Jacobs 1998b	0.084	Bechtel Jacobs 1998a	76	EPA 1999b	0.04	Krantzberg and Boyd 1992
Total Copper	7.96	Bechtel Jacobs 1998b	0.625	Bechtel Jacobs 1998a	2840	EPA 1999b	0.1	Krantzberg and Boyd 1992
Total Lead	0.33	Bechtel Jacobs 1998b	0.468	Bechtel Jacobs 1998a	640	AQUIRE 2002	0.07	Krantzberg and Boyd 1992
Total Mercury	2.87	Bechtel Jacobs 1998b	5	Bechtel Jacobs 1998a	44672	EPA 1999b	4.58	Cope et al. 1990
Total Nickel	0.21	Bechtel Jacobs 1998b	1.411	Bechtel Jacobs 1998a	312	EPA 1999b	1	Assumed
Total Selenium	1	Assumed	3.012	Bechtel Jacobs 1998a	516	EPA 1999b	1	Assumed
Total Silver	0.18	Hirsch 1998	0.037	Bechtel Jacobs 1998a	112	EPA 1999b	1	Assumed
Dissolved Lead	0.33	Value for Total Lead	0.468	Value for Total Lead	640	Value for Total Lead	0.07	Value for Total Lead
Dissolved Silver	0.18	Value for Total Silver	0.037	Value for Total Silver	112	Value for Total Silver	1	Assumed
Total Zinc	4.76	Bechtel Jacobs 1998b	1.82	Bechtel Jacobs 1998a	2556	EPA 1999b	1	Assumed
4-Bromophenyl phenyl ether	1	Assumed	0.0578	Travis and Arms 1988	45145	Calculated	1	Assumed
4-Chlorophenyl phenyl ether	1	Assumed	0.1697	Travis and Arms 1988	41226	Calculated	1	Assumed
Acenaphthene	2.04	Maruya et al. 1997	0.2564	Travis and Arms 1988	1875	EPA 1996	1	Assumed
Acenapthylene	2.04	Value for Acenaphthlene	0.1653	Travis and Arms 1988	3629	Calculated	1	Assumed
Anthracene	0.27	Maruya et al. 1997	0.1051	Travis and Arms 1988	3900	EPA 1999b	1	Assumed
Benzo(a)anthracene	1.4	Maruya et al. 1997	0.0222	Travis and Arms 1988	15924	EPA 1999b	1	Assumed
Benzo(a)pyrene	0.19	Maruya et al. 1997	0.0135	Travis and Arms 1988	22674	EPA 1999b	1	Assumed
Benzo(b)fluoranthene	0.42	Maruya et al. 1997	0.174	Travis and Arms 1988	24128	EPA 1999b	1	Assumed
Benzo(g,h,i)perylene	0.3	Maruya et al. 1997	0.0061	Travis and Arms 1988	28446	EPA 1999b	1	Assumed
Benzo(k)fluoranthene	0.42	Maruya et al. 1997	0.0112	Travis and Arms 1988	24128	EPA 1999b	1	Assumed
Chrysene	0.34	Maruya et al. 1997	0.0289	Travis and Arms 1988	15924	EPA 1999b	1	Assumed
Dibenz(a,h)anthracene	0.27	Value for Anthracene	0.0068	Travis and Arms 1988	28446	EPA 1999b	1	Assumed
Fluoranthene	0.31	Maruya et al. 1997	0.0617	Travis and Arms 1988	5537	EPA 1996	1	Assumed
Fluorene	1.13	Maruya et al. 1997	0.179	Travis and Arms 1988	9936	EPA 1996	1	Assumed

Table 5-8

Bioaccumulation Factors for the Step 2 Aquatic Food Web
LMC Middle River Complex, Middle River, Maryland
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COPC	Aquatic Invertebrate Bioaccumulation Factors (dw)	Reference	Plant Bioconcentration Factors (dw)	Reference	Fish Bioconcentration Factors from Surface Water (dw)	Reference	Fish Bioaccumulation Factors from Sediment (dw)	Reference
Hexachlorobenzene	0.86	Oliver and Nimi 1988	0.0367	Travis and Arms 1988	9833	EPA 1999b	0.94	Oliver and Nimi 1988
Hexachlorobutadiene	0.61	Oliver and Nimi 1988	0.0705	Travis and Arms 1988	7680	EPA 1999b	0.38	Parketon et al. 1993
Hexachlorocyclopentadiene	1	Assumed	0.0467	Travis and Arms 1988	3631	EPA 1999b	1	Assumed
Hexachloroethane	1	Assumed	0.2399	Travis and Arms 1988	702	EPA 1996	1	Assumed
Indeno(1,2,3-cd)pyrene	0.36	Maruya et al. 1997	0.0061	Travis and Arms 1988	28446	EPA 1999b	1	Assumed
Pentachlorophenol	1	Assumed	0.0492	Travis and Arms 1988	1588	EPA 1999b	1	Assumed
Phenanthrene	0.65	Maruya et al. 1997	0.1154	Travis and Arms 1988	39780	EPA 1996	1	Assumed
Pyrene	0.8	Maruya et al. 1997	0.0687	Travis and Arms 1988	7286	EPA 1999b	1	Assumed
1,1,1,2-Tetrachloroethane	1	Assumed	1.1691	Travis and Arms 1988	194	Calculated	1	Assumed
Aroclor 1016	21.9	Bechtel Jacobs 1998b	0.0224	Travis and Arms 1988	642869	Calculated	12.9	Oliver and Nimi 1988
Aroclor 1221	21.9	Bechtel Jacobs 1998b	0.0744	Travis and Arms 1988	17887	Calculated	12.9	Oliver and Nimi 1988
Aroclor 1232	21.9	Bechtel Jacobs 1998b	0.0437	Travis and Arms 1988	62018	Calculated	12.9	Oliver and Nimi 1988
Aroclor 1242	21.9	Bechtel Jacobs 1998b	0.0224	Travis and Arms 1988	299962	Calculated	12.9	Oliver and Nimi 1988
Aroclor 1248	21.9	Bechtel Jacobs 1998b	0.0101	Travis and Arms 1988	1518954	Calculated	12.9	Oliver and Nimi 1988
Aroclor 1254	21.9	Bechtel Jacobs 1998b	0.0068	Travis and Arms 1988	2968753	Calculated	12.9	Oliver and Nimi 1988
Aroclor 1260	21.9	Bechtel Jacobs 1998b	0.0045	Travis and Arms 1988	5383470	Calculated	12.9	Oliver and Nimi 1988

Table 5-9

Step 2 Exposure Factors for Aquatic Ecological Receptors of Concern
LMC Middle River Complex, Middle River, Maryland

Exposure Factor	Receptor			
	Raccoon	Mallard Duck	Belted Kingfisher	Great Blue Heron
Body Weight (kg)	4.23 (Silva and Downing, 1995)	0.612 (Bellrose, 1980)	0.125 (Dunning, 1993)	2.1000 (Butler, 1992)
Food Ingestion Rate (kg/day - dry)	0.0514 (Conover, 1989)	0.0830 (allometric equation)	0.0245 (EPA, 1993)	0.4389 (allometric equation)
Water Ingestion Rate (L/day)	0.6092 (allometric equation)	0.0850 (allometric equation)	0.0211 (allometric equation)	0.1090 (allometric equation)
Sediment Ingestion Rate (kg/day – dry)	0.0204 (allometric equation)	0.0007038 (allometric equation)	0.000 (allometric equation)	0.000 (allometric equation)

Table 5-10

List of NOAEL Toxicity Reference Values for Use in Food-web Modeling (using estimated wildlife NOAEL [mg/kg-bw/day])
LMC Middle River Complex, Middle River, Maryland
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COPC	Raccoon	Reference	Mallard	Reference	Kingfisher	Reference	Great Blue Heron	Reference
INORGANICS								
Arsenic	1.37	Sample et al. 1996; ATSDR 1993	5.14	Sample et al. 1996	5.14	Sample et al. 1996	5.14	Sample et al. 1996
Cadmium	0.85	Sample et al. 1996; ATSDR 1999a	1.45	Sample et al. 1996	1.45	Sample et al. 1996	1.45	Sample et al. 1996
Chromium	NA	Sample et al. 1996	NA	Sample et al. 1996	NA	Sample et al. 1996	NA	Sample et al. 1996
Copper	7.49	ATSDR 1990a; Sample et al. 1996	47	Sample et al. 1996	47	Sample et al. 1996	47	Sample et al. 1996
Lead	3.94	Sample et al. 1996	1.13	Sample et al. 1996	3.85	Sample et al. 1996	3.85	Sample et al. 1996
Mercury	0.64	Sample et al. 1996	0.026	Sample et al. 1996; EPA 1995b; EPA 1997	0.026	Sample et al. 1996; EPA 1995c; EPA 1997	0.026	Sample et al. 1996; EPA 1995c; EPA 1997
Nickel	28.5	Sample et al. 1996; ATSDR 1997	77.4	Sample et al. 1996	77.4	Sample et al. 1996	77.4	Sample et al. 1996
Selenium	0.1	Sample et al. 1996	0.44	Sample et al. 1996	1.8	Sample et al. 1996	1.8	Sample et al. 1996
Silver	4.46	ATSDR 1990b	35.6	EPA 1999b; Eisler 1996	35.6	EPA 1999b; Eisler 1996	35.6	EPA 1999b; Eisler 1996
Zinc	13.3	Sample et al. 1996; ATSDR 1994a	14.5	Sample et al. 1996	14.5	Sample et al. 1996	14.5	Sample et al. 1996
SEMIVOLATILES								
4-Bromophenyl-phenylether	--	NA	--	NA	--	NA	--	NA
4-Chlorophenyl-phenylether	--	NA	--	NA	--	NA	--	NA
Acenaphthene	93.3	ATSDR 1995	7.1	Value for benzo(a)pyrene	7.1	Value for benzo(a)pyrene	7.1	Value for benzo(a)pyrene
Acenaphthylene	93.3	Value for Acenaphthene	7.1	Value for benzo(a)pyrene	7.1	Value for benzo(a)pyrene	7.1	Value for benzo(a)pyrene
Anthracene	267	ATSDR 1995	7.1	Value for benzo(a)pyrene	7.1	Value for benzo(a)pyrene	7.1	Value for benzo(a)pyrene
Benzo(a)anthracene	0.53	Value for benzo(a)pyrene	7.1	Value for benzo(a)pyrene	7.1	Value for benzo(a)pyrene	7.1	Value for benzo(a)pyrene
Benzo(a)pyrene	0.53	Sample et al. 1996	7.1	Rigdon and Neal 1963	7.1	Rigdon and Neal 1963	7.1	Rigdon and Neal 1963
Benzo(b)fluoranthene	0.53	Value for benzo(a)pyrene	7.1	Value for benzo(a)pyrene	7.1	Value for benzo(a)pyrene	7.1	Value for benzo(a)pyrene
Benzo(g,h,I)perylene	0.53	Value for benzo(a)pyrene	7.1	Value for benzo(a)pyrene	7.1	Value for benzo(a)pyrene	7.1	Value for benzo(a)pyrene
Benzo(k)fluoranthene	0.53	Value for benzo(a)pyrene	7.1	Value for benzo(a)pyrene	7.1	Value for benzo(a)pyrene	7.1	Value for benzo(a)pyrene
Chrysene	0.53	Value for benzo(a)pyrene	7.1	Value for benzo(a)pyrene	7.1	Value for benzo(a)pyrene	7.1	Value for benzo(a)pyrene

Table 5-10

List of NOAEL Toxicity Reference Values for Use in Food-web Modeling (using estimated wildlife NOAEL [mg/kg-bw/day])
LMC Middle River Complex, Middle River, Maryland
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COPC	Receptor	Reference	Mallard	Reference	Kingfisher	Reference	Great Blue Heron	Reference
Dibenzo(a,h)anthracene	0.53	Value for benzo(a)pyrene	7.1	Value for benzo(a)pyrene	7.1	Value for benzo(a)pyrene	7.1	Value for benzo(a)pyrene
Fluoranthene	133	ATSDR 1995	7.1	Value for benzo(a)pyrene	7.1	Value for benzo(a)pyrene	7.1	Value for benzo(a)pyrene
Fluorene	133	ATSDR 1995	7.1	Value for benzo(a)pyrene	7.1	Value for benzo(a)pyrene	7.1	Value for benzo(a)pyrene
Hexachlorobenzene	1.37	ATSDR 1996	0.11	Coulston and Kolbye 1994; TERRETOX 2002	0.11	Coulston and Kolbye 1994; TERRETOX 2002	0.11	Coulston and Kolbye 1994; TERRETOX 2002
Hexachlorobutadiene	0.99	ATSDR 1994b	3.39	Coulston and Kolbye 1994; TERRETOX 2002	3.39	Coulston and Kolbye 1994; TERRETOX 2002	3.39	Coulston and Kolbye 1994; TERRETOX 2002
Hexachlorocyclopentadiene	20	ATSDR 1999b	--	NA	--	NA	--	NA
Hexachloroethane	49.3	ATSDR 1997b	--	NA	--	NA	--	NA
Indeno(1,2,3-cd)pyrene	0.53	Value for benzo(a)pyrene	7.1	Value for benzo(a)pyrene	7.1	Value for benzo(a)pyrene	7.1	Value for benzo(a)pyrene
Pentachlorophenol	2.46	ATSDR 1994c	4.26	Eisler 1989	4.26	Eisler 1989	4.26	Eisler 1989
Phenanthrene	NA	Value for fluoranthene	NA	Value for benzo(a)pyrene	NA	Value for benzo(a)pyrene	NA	Value for benzo(a)pyrene
Pyrene	0.53	Value for benzo(a)pyrene	7.1	Value for benzo(a)pyrene	7.1	Value for benzo(a)pyrene	7.1	Value for benzo(a)pyrene
VOLATILES								
1,1,1,2-Tetrachloroethane	37.4	ATSDR 1996a	--	NA	--	NA	--	NA
PCBs								
Aroclor 1016	0.88	Sample et al. 1996; Aroclor 1254 value	1.5	Aroclor 1242 and 1254 values	1.5	Aroclor 1242 and 1254 values	1.5	Aroclor 1242 and 1254 values
Aroclor 1221	0.09	Aroclor 1254 value; Aroclor 1242 value	1.5	Aroclor 1242 and 1254 values	1.5	Aroclor 1242 and 1254 values	1.5	Aroclor 1242 and 1254 values
Aroclor 1232	0.09	Aroclor 1242 value; Aroclor 1254 value	1.5	Aroclor 1242 and 1254 values	1.5	Aroclor 1242 and 1254 values	1.5	Aroclor 1242 and 1254 values
Aroclor 1242	0.09	Sample et al. 1996; Aroclor 1254 value	1.5	Aroclor 1254 value; Sample et al. 1996	1.5	Aroclor 1254 value; Sample et al. 1996	1.5	Aroclor 1254 value; Sample et al. 1996
Aroclor 1248	0.09	Aroclor 1254	1.5	Aroclor 1242 and 1254 values	1.5	Aroclor 1242 and 1254 values	1.5	Aroclor 1242 and 1254 values
Aroclor 1254	0.09	Sample et al. 1996	1.5	Aroclor 1242 value; EPA 1995c	1.5	Aroclor 1242 value; EPA 1995c	1.5	Aroclor 1242 value; EPA 1995c
Aroclor 1260	0.09	Aroclor 1254 value	1.5	Aroclor 1242 and 1254 values	1.5	Aroclor 1242 and 1254 values	1.5	Aroclor 1242 and 1254 values

NA = Not Applicable

Table 5-11

List of LOAEL Toxicity Reference Values for Use in Food-web Modeling (using estimated wildlife LOAEL [mg/kg-bw/day])
LMC Middle River Complex, Middle River, Maryland
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COPC	Raccoon	Reference	Mallard	Reference	Kingfisher	Reference	Great Blue Heron	Reference
INORGANICS								
Arsenic	6.83	Sample et al. 1996; ATSDR 1993	12.8	Sample et al. 1996	12.8	Sample et al. 1996	12.8	Sample et al. 1996
Cadmium	4.27	Sample et al. 1996; ATSDR 1999a	20	Sample et al. 1996	20	Sample et al. 1996	20	Sample et al. 1996
Chromium	8.08	Sample et al. 1996	5	Sample et al. 1996	5	Sample et al. 1996	5	Sample et al. 1996
Copper	9.7	ATSDR 1990a; Sample et al. 1996	61.7	Sample et al. 1996	61.7	Sample et al. 1996	61.7	Sample et al. 1996
Lead	39.4	Sample et al. 1996	11.3	Sample et al. 1996	19.3	Sample et al. 1996	19.3	Sample et al. 1996
Mercury	3.2	Sample et al. 1996	0.078	Sample et al. 1996; EPA 1995b; EPA 1997	0.078	Sample et al. 1996; EPA 1995c; EPA 1997	0.078	Sample et al. 1996; EPA 1995c; EPA 1997
Nickel	71.2	Sample et al. 1996; ATSDR 1997	107	Sample et al. 1996	107	Sample et al. 1996	107	Sample et al. 1996
Selenium	0.16	Sample et al. 1996	0.8	Sample et al. 1996	9	Sample et al. 1996	9	Sample et al. 1996
Silver	22.3	ATSDR 1990b	178	EPA 1999b; Eisler 1996	178	EPA 1999b; Eisler 1996	178	EPA 1999b; Eisler 1996
Zinc	66.6	Sample et al. 1996; ATSDR 1994a	131	Sample et al. 1996	131	Sample et al. 1996	131	Sample et al. 1996
SEMIVOLATILES								
4-Bromophenyl-phenylether	--	NA	--	NA	--	NA	--	NA
4-Chlorophenyl-phenylether	--	NA	--	NA	--	NA	--	NA
Acenaphthene	187	ATSDR 1995	35.5	Value for benzo(a)pyrene	35.5	Value for benzo(a)pyrene	35.5	Value for benzo(a)pyrene
Acenaphthylene	187	Value for Acenaphthene	35.5	Value for benzo(a)pyrene	35.5	Value for benzo(a)pyrene	35.5	Value for benzo(a)pyrene
Anthracene	1333	ATSDR 1995	35.5	Value for benzo(a)pyrene	35.5	Value for benzo(a)pyrene	35.5	Value for benzo(a)pyrene
Benzo(a)anthracene	2.67	Value for benzo(a)pyrene	35.5	Value for benzo(a)pyrene	35.5	Value for benzo(a)pyrene	35.5	Value for benzo(a)pyrene
Benzo(a)pyrene	2.67	Sample et al. 1996	35.5	Rigdon and Neal 1963	35.5	Rigdon and Neal 1963	35.5	Rigdon and Neal 1963
Benzo(b)fluoranthene	2.67	Value for benzo(a)pyrene	35.5	Value for benzo(a)pyrene	35.5	Value for benzo(a)pyrene	35.5	Value for benzo(a)pyrene
Benzo(g,h,I)perylene	2.67	Value for benzo(a)pyrene	35.5	Value for benzo(a)pyrene	35.5	Value for benzo(a)pyrene	35.5	Value for benzo(a)pyrene
Benzo(k)fluoranthene	2.67	Value for benzo(a)pyrene	35.5	Value for benzo(a)pyrene	35.5	Value for benzo(a)pyrene	35.5	Value for benzo(a)pyrene
Chrysene	2.67	Value for benzo(a)pyrene	35.5	Value for benzo(a)pyrene	35.5	Value for benzo(a)pyrene	35.5	Value for benzo(a)pyrene

Table 5-11

List of LOAEL Toxicity Reference Values for Use in Food-web Modeling (using estimated wildlife LOAEL [mg/kg-bw/day])
LMC Middle River Complex, Middle River, Maryland
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COPC	Raccoon	Reference	Mallard	Reference	Kingfisher	Reference	Great Blue Heron	Reference
Dibenzo(a,h)anthracene	2.67	Value for benzo(a)pyrene	35.5	Value for benzo(a)pyrene	35.5	Value for benzo(a)pyrene	35.5	Value for benzo(a)pyrene
Fluoranthene	666	ATSDR 1995	35.5	Value for benzo(a)pyrene	35.5	Value for benzo(a)pyrene	35.5	Value for benzo(a)pyrene
Fluorene	666	ATSDR 1995	35.5	Value for benzo(a)pyrene	35.5	Value for benzo(a)pyrene	35.5	Value for benzo(a)pyrene
Hexachlorobenzene	13.7	ATSDR 1996	0.57	Coulston and Kolbye 1994; TERRETOX 2002	0.57	Coulston and Kolbye 1994; TERRETOX 2002	0.57	Coulston and Kolbye 1994; TERRETOX 2002
Hexachlorobutadiene	9.85	ATSDR 1994b	17	Coulston and Kolbye 1994; TERRETOX 2002	17	Coulston and Kolbye 1994; TERRETOX 2002	17	Coulston and Kolbye 1994; TERRETOX 2002
Hexachlorocyclopentadiene	100	ATSDR 1999b	--	NA	--	NA	--	NA
Hexachloroethane	246	ATSDR 1997b	--	NA	--	NA	--	NA
Indeno(1,2,3-cd)pyrene	2.67	Value for benzo(a)pyrene	35.5	Value for benzo(a)pyrene	35.5	Value for benzo(a)pyrene	35.5	Value for benzo(a)pyrene
Pentachlorophenol	12.3	ATSDR 1994c	8.52	Eisler 1989	8.52	Eisler 1989	8.52	Eisler 1989
Phenanthrene	666	Value for fluoranthene	35.5	Value for benzo(a)pyrene	35.5	Value for benzo(a)pyrene	35.5	Value for benzo(a)pyrene
Pyrene	2.67	Value for benzo(a)pyrene	35.5	Value for benzo(a)pyrene	35.5	Value for benzo(a)pyrene	35.5	Value for benzo(a)pyrene
VOLATILES								
1,1,1,2-Tetrachloroethane	187	ATSDR 1996a	--	NA	--	NA	--	NA
PCBs								
Aroclor 1016	2.2	Sample et al. 1996; Aroclor 1254 value	7.5	Aroclor 1242 and 1254 values	7.5	Aroclor 1242 and 1254 values	7.5	Aroclor 1242 and 1254 values
Aroclor 1221	0.44	Aroclor 1254 value; Aroclor 1242 value	7.5	Aroclor 1242 and 1254 values	7.5	Aroclor 1242 and 1254 values	7.5	Aroclor 1242 and 1254 values
Aroclor 1232	0.44	Aroclor 1242 value; Aroclor 1254 value	7.5	Aroclor 1242 and 1254 values	7.5	Aroclor 1242 and 1254 values	7.5	Aroclor 1242 and 1254 values
Aroclor 1242	0.44	Sample et al. 1996; Aroclor 1254 value	7.5	Aroclor 1254 value; Sample et al. 1996	7.5	Aroclor 1254 value; Sample et al. 1996	7.5	Aroclor 1254 value; Sample et al. 1996
Aroclor 1248	0.44	Aroclor 1254	7.5	Aroclor 1242 and 1254 values	7.5	Aroclor 1242 and 1254 values	7.5	Aroclor 1242 and 1254 values
Aroclor 1254	0.44	Sample et al. 1996	7.5	Aroclor 1242 value; EPA 1995c	7.5	Aroclor 1242 value; EPA 1995c	7.5	Aroclor 1242 value; EPA 1995c
Aroclor 1260	0.44	Aroclor 1254 value	7.5	Aroclor 1242 and 1254 values	7.5	Aroclor 1242 and 1254 values	7.5	Aroclor 1242 and 1254 values

NA = Not Applicable

Table 5-12

Step 2 Ecological Quotients for Benthic Invertebrates for COPCs
LMC Middle River Complex, Middle River, Maryland
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COPC	Sediment Maximum	Toxicity Reference Value	Ecological Quotient (EQ_{max})
Inorganics (mg/kg)			
Arsenic[1]	12.6	8.2	**1.54**
Barium	112	48	**2.33**
Beryllium	3.6	NA	**NA**
Cadmium[1]	157	1.2	**130.83**
Chromium[1]	1100	81	**13.58**
Cobalt	29	10	**2.90**
Copper[1]	159	34	**4.68**
Lead[1]	316	46.7	**6.77**
Mercury[1]	6.1	0.15	**40.67**
Molydbenum	1.35	NA	**NA**
Nickel[1]	69.1	20.9	**3.31**
Selenium[1]	2.9	1	**2.90**
Silver[1]	28.6	1	**28.60**
Thallium	2	NA	**NA**
Vanadium	120	57	**2.11**
Zinc[1]	636	150	**4.24**
Semivolatile organics (ug/kg)			
1,2-Diphenylhydrazine	550	NA	**NA**
1,4-Dioxane	800	NA	**NA**
1-Methylnaphthalene	800	NA	**NA**
2,2'-Oxybis(1-chloropropane)	800	NA	**NA**
2,4,5-Trichlorophenol	2050	NA	**NA**
2,4,6-Trichlorophenol	800	208	**3.85**
2,4-Dichlorophenol	800	NA	**NA**
2,4-Dimethylphenol	800	29	**27.59**
2,4-Dinitrophenol	2050	6.21	**330.11**
2,4-Dinitrotoluene	800	14.4	**55.56**
2,6-Dinirtoluene	800	39.8	**20.10**
2-Chloronaphthalene	800	417	**1.92**
2-Chlorphenol	800	31.9	**25.08**
2-Methylnaphthalene	800	70	**11.43**
2-Methylphenol (o-Cresol)	800	63	**12.70**
2-Nitroaniline	2050	NA	**NA**
2-Nitrophenol	800	NA	**NA**
3&4-Methylphenol	800	NA	**NA**
3,3-Dichlorobenzidine	1100	127	**8.66**
3-Nitroaniline	2050	NA	**NA**
4,6-Dinitro-2-methylphenol	2050	NA	**NA**
4-Chloro-3-methylphenol	800	NA	**NA**
4-Chloroaniline	800	146	**5.48**
4-Chlorphenyl phenyl ether[1]	800	NA	**NA**
4-Nitroaniline	2050	NA	**NA**
4-Nitrophenol	2050	13.3	**154.14**
Acenaphthene[1]	800	16	**50.00**
Acenaphthylene[1]	800	44	**18.18**

Table 5-12

Step 2 Ecological Quotients for Benthic Invertebrates for COPCs
LMC Middle River Complex, Middle River, Maryland
Page 2 of 4

COPC	Sediment Maximum	Toxicity Reference Value	Ecological Quotient (EQ_{max})
Aniline	800	0.31	**2580.65**
Anthracene[1]	550	85.3	**6.45**
Azobenzene	800	NA	**NA**
Benzidine	2050	NA	**NA**
Benzo(a)anthracene[1]	7400	261	**28.35**
Benzo(a)pyrene[1]	7350	430	**17.09**
Benzo(b)fluoranthene	10000	3200	**3.13**
Benzo(g,h,I)perylene[1]	5050	670	**7.54**
Benzo(k)fluoranthene[1]	4450	240	**18.54**
Benzoic Acid	2050	650	**3.15**
Benzyl Alcohol	800	1.04	**769.23**
Bis(2-chlorethyl)ether	800	NA	**NA**
Bis(2-ethylhexyl)phthalate	3450	1300	**2.65**
Butyl benzyl phthalate	1015	63	**16.11**
Carbazole	1000	NA	**NA**
Chrysene[1]	9200	384	**23.96**
Dibenzo(a,h)anthracene[1]	1750	63.4	**27.60**
Dibenzofuran	800	540	**1.48**
Diethyl phthalate	800	200	**4.00**
Dimethyl phthalate	800	71	**11.27**
Fluoranthene[1]	11000	600	**18.33**
Fluorene[1]	920	19	**48.42**
Hexachlorobenzene[1]	800	22	**36.36**
Hexachlorobutadiene[1]	800	11	**72.73**
Hexachloroethane[1]	800	584	**1.37**
Indeno(1,2,3-cd)pyrene[1]	6250	600	**10.42**
Isophrone	800	432	**1.85**
Napthalene	1230	160	**7.69**
Nitrobenzene	800	145	**5.52**
n-Nitrosodimethylamine	800	NA	**NA**
n-Nitroso-di-n-propylamine	800	NA	**NA**
n-Nitrosodiphenylamine	800	28	**28.57**
Pentachlorophenol[1]	2050	360	**5.69**
Phenanthrene[1]	7850	240	**32.71**
Phenol	800	420	**1.90**
Pyrene[1]	22500	665	**33.83**
Pyridine	800	106	**7.55**
Volatile Organics (ug/kg)			
1,1,2-Trichlortrifluoroethane	27	NA	**NA**
1,1-Dichloroethane	27	0.575	**46.96**
1,1-Dichloroethene	27	19.4	**1.39**
1,1-Dichloropropene	27	NA	**NA**
1,2,3-Trichloropropane	27	NA	**NA**
1,2,3-Trimethylbenzene	27	NA	**NA**
1,2,4-Trimethylbenzene	27	NA	**NA**
1,2-Dibromo-3-Chloropropane	27	NA	**NA**

Table 5-12

Step 2 Ecological Quotients for Benthic Invertebrates for COPCs
LMC Middle River Complex, Middle River, Maryland
Page 3 of 4

COPC	Sediment Maximum	Toxicity Reference Value	Ecological Quotient (EQ_{max})
1,2-Dibromoethane	27	NA	NA
1,2-Dichloroethene	55	NA	NA
1,3-Dichloropropane	27	NA	NA
2,2-Dichloropropane	27	NA	NA
2-Butanone (MEK)	585	NA	NA
2-Chloroethyl vinyl ether	27	NA	NA
2-Chlorotoluene	27	NA	NA
2-Hexanone (MBK)	135	58.2	**2.32**
4-Chlorotoluene	27	NA	NA
4-Isopropyltoluene	27	NA	NA
4-Methyl-2-Pentanone	135	NA	NA
Acetone	210	9.9	**21.21**
Bromobenzene	27	NA	NA
Bromochloromethane	27	NA	NA
Bromodichloromethane	27	NA	NA
Bromomethane	55	1.37	**40.15**
c-1,2-Dichloroethene	27	23.9	**1.13**
Carbon Tetrachloride	27	NA	NA
Chlorodibromomethane	27	NA	NA
Chloroethane	55	NA	NA
Chloroform	27	NA	NA
Chloromethane	55	NA	NA
Cyclohexane	8.5	NA	NA
Dibromomethane	27	NA	NA
Dichlorodifluoromethane	55	NA	NA
Diisopropyl ether	27	NA	NA
Ethyl Tert-Butyl Ether	27	NA	NA
Ethylbenzene	27	10	**2.70**
m&p xylenes	55	NA	NA
Methyl acetate	8.5	NA	NA
Methyl cyclohexane	8.5	NA	NA
Methylene Chloride	54	NA	NA
Methyl-t-Butyl Ether (MTBE)	55	NA	NA
n-Butylbenzene	27	NA	NA
n-Propylbenzene	27	NA	NA
o xylene	27	NA	NA
sec-Butylbenzene	320	NA	NA
Tert-Amyl Methyl Ether	27	NA	NA
Tert-Butylbenzene	27	NA	NA
Tertiary-butyl alcohol	55	NA	NA
t-1,3-Dichloropropene	27	NA	NA
Trichlorofluoromethane	55	NA	NA
Vinyl acetate	27	NA	NA
Xylenes, total	80	40	**2.00**
PCBs			
Aroclor 1016[1]	5500	22.7	**242.29**
Aroclor 1221[1]	5500	22.7	**242.29**
Aroclor 1232[1]	5500	22.7	**242.29**

Table 5-12

Step 2 Ecological Quotients for Benthic Invertebrates for COPCs
LMC Middle River Complex, Middle River, Maryland
Page 4 of 4

COPC	Sediment Maximum	Toxicity Reference Value	Ecological Quotient (EQ_{max})
Aroclor 1242[1]	5500	22.7	**242.29**
Aroclor 1248[1]	5500	22.7	**242.29**
Aroclor 1254[1]	5500	22.7	**242.29**
Aroclor 1260[1]	54000	22.7	**2378.85**

[1] - Chemicals that are bioaccumulative.
NA = Not Available

Table 5-13

Step 2 Ecological Quotients for Aquatic Communities for COPCs
LMC Middle River Complex, Middle River, Maryland
Page 1 of 2

COPC	Surface Water Maximum	Toxicity Reference Value	Ecological Quotient (EQ_{max})
Inorganics (ug/L)			
Total Cadmium[1]	0.33	0.1	**3.3**
Total Copper[1]	29.2	2.85	**10.25**
Total Hexavalent Chromium	0.0125	NA	**NA**
Total Lead[1]	1.45	0.54	**2.69**
Total Silver[1]	0.52	0.0001	**5200**
Dissolved Cadmium[1]	0.28	0.1	**2.8**
Dissolved Lead[1]	0.85	0.54	**1.6**
Dissolved Silver[1]	0.52	0.0001	**5200.00**
Semivolatile organics (ug/L)			
1-Methylnaphthalene	5	NA	**NA**
2,2'-Oxybis(1-chloropropane)	5.5	NA	**NA**
2-Nitroaniline	12.5	NA	**NA**
3&4-Methylphenol	5	NA	**NA**
3,3'-Dichlorobenzidine	10.5	4.5	**2.33**
3-Nitroaniline	12.5	NA	**NA**
4,6-Dinitro-2-methyphenol	12.5	2.3	**5.43**
4-Bromophenyl phenyl ether[1]	5.5	1.5	**3.67**
4-Chloro-3-methylphenol	5.5	0.3	**18.33**
4-Chlorphenyl phenyl ether[1]	5.5	NA	**NA**
4-Nitroaniline	12.5	NA	**NA**
4-Methyphenol	5.5	NA	**NA**
Aniline	5.5	4.1	**1.34**
Anthracene[1]	5.5	0.1	**55.0**
Azobenzene	5	NA	**NA**
Benzo(a)pyrene[1]	5.5	0.014	**392.86**
Benzo(k)fluoranthene[1]	5.5	NA	**NA**
Benzyl butyl phthalate	5.5	3	**1.83**
Carbazole	5.5	NA	**NA**
Chrysene[1]	5.5	NA	**NA**
Dibenzo(a,h)anthracene[1]	5.5	NA	**NA**
Diethyl phthalate	5.5	3	**1.83**
Dimethyl phthalate	5.5	3	**1.83**
Di-n-butyl phthalate	5.5	0.3	**18.33**
Di-n-octyl phthalate	5.5	0.3	**18.33**
Hexachlorobenzene[1]	5.5	3.68	**1.49**
Hexachlorocyclopentadiene[1]	5.5	5.2	**1.06**
Indeno(1,2,3-cd)pyrene[1]	5.5	4.31	**1.28**
N-Nitrosodimethylamine	5.5	NA	**NA**
N-Nitroso-di-n-propylamine	5.5	NA	**NA**
Pyrene[1]	5.5	0.3	**18.33**
Volatile Organics (ug/L)			
1,1,2-Trichlorofluoroethane	2.5	NA	**NA**
1,2,3-Trichlorpropane	0.5	NA	**NA**

Table 5-13

Step 2 Ecological Quotients for Aquatic Communities for COPCs
LMC Middle River Complex, Middle River, Maryland
Page 2 of 2

COPC	Surface Water Maximum	Toxicity Reference Value	Ecological Quotient (EQ_{max})
1,2,3-Trimethylbenzene	0.5	NA	**NA**
1,2,4-Trimethylbenzene	0.5	NA	**NA**
1,2-Dibromo-3-chloropropane	2.5	NA	**NA**
1,2-Dichloroethene	1	NA	**NA**
1,3-Dichloropropane	0.5	NA	**NA**
2-Chlorotoluene	0.5	NA	**NA**
4-Chlorotoluene	0.5	NA	**NA**
4-Isopropyltoluene	0.5	NA	**NA**
Bromobenzene	0.5	NA	**NA**
Carbon disulfide	8.6	2	**4.30**
Chloroethane	5	NA	**NA**
Cumene (Isopropylbenzene)	2.5	NA	**NA**
Cyclohexane	2.5	NA	**NA**
Diisopropyl ether	0.5	NA	**NA**
Ethyl Tert-Butyl Ether	0.5	NA	**NA**
m&p xylenes	2.5	NA	**NA**
Methyl acetate	2.5	NA	**NA**
Methyl cyclohexane	2.5	NA	**NA**
methyl-tert-butyl ether (MTBE)	2.5	NA	**NA**
n-Butylbenzene	0.5	NA	**NA**
n-Propylbenzene	0.5	NA	**NA**
o xylene	2.5	NA	**NA**
sec-Butylbenzene	0.5	NA	**NA**
Tert-Amyl Methyl Ether	0.5	NA	**NA**
Tert-Butylbenzene	0.5	NA	**NA**
Teritary-butyl alcohol	2.5	NA	**NA**
Vinyl Acetate	0.5	NA	**NA**
PCBs			
Aroclor 1016[1]	0.55	0.28	**1.96**
Aroclor 1221[1]	0.55	0.28	**1.96**
Aroclor 1242[1]	0.55	0.053	**10.38**
Aroclor 1248[1]	0.55	0.081	**6.79**
Aroclor 1254[1]	0.55	0.033	**16.67**

[1] - Chemicals that are bioaccumulative.
NA = Not Available

Table 5-14

Aquatic Species Maximum Concentration Hazard Quotient Values
LMC Middle River Complex, Middle River, Maryland

Ecological Contaminants of Concern	Raccoon		Mallard		Belted Kingfisher		Great Blue Heron	
	NOAEL HQ_n	LOAEL HQ_l	NOAEL HQ_n	LOAEL HQ_l	NOAEL HQ_n	LOAEL HQ_l	NOAEL HQ_n	LOAEL HQ_l
Total Arsenic	0.53	0.11	**1.44**	0.58	**2.08**	0.84	0.10	0.04
Total Cadmium	**8.19**	**1.63**	**47.85**	**3.47**	**65.15**	**4.72**	**3.79**	0.28
Dissolved Cadmium	0.01	0.00	0.00	0.00	0.14	0.01	0.15	0.01
Total Chromium	**4.84**	0.97	**29.61**	**5.92**	**40.96**	**8.19**	**9.24**	**1.85**
Total Copper	**2.16**	**1.66**	**3.66**	**2.78**	**5.28**	**4.02**	0.44	0.33
Total Lead	0.84	0.08	**18.07**	**1.81**	**5.31**	1.06	**1.25**	0.25
Dissolved Lead	0.63	0.13	**159.36**	**53.12**	**227.45**	**75.82**	**242.53**	**80.84**
Total Mercury	0.05	0.02	0.17	0.12	0.18	0.13	0.19	0.14
Total Nickel	**1.20**	0.75	**2.70**	**1.49**	0.44	0.09	0.47	0.09
Total Selenium	0.11	0.02	0.02	0.00	0.16	0.03	0.17	0.03
Dissolved Lead	0.00	0.00	0.00	0.00	0.03	0.01	0.03	0.01
Dissolved Silver	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Zinc	**3.00**	0.60	**28.37**	**3.14**	**40.92**	**4.53**	**9.61**	1.06
4-Bromophenyl phenyl ether	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
4-Chlorophenyl phenyl ether	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Acenapthene	0.00	0.00	0.03	0.01	0.31	0.06	0.33	0.07
Acenapthylene	0.00	0.00	0.03	0.01	0.57	0.11	0.61	0.12
Anthracene	0.00	0.00	0.01	0.00	0.64	0.13	0.68	0.14
Benzo(a)anthracene	**2.25**	0.45	0.20	0.04	**2.62**	0.52	**2.80**	0.56
Benzo(a)pyrene	**3.10**	0.61	0.03	0.01	**3.65**	0.73	**3.89**	0.78
Benzo(b)fluoranthene	**3.36**	0.67	0.03	0.01	**3.94**	0.79	**4.20**	0.84
Benzo(g,h,I)perylene	**3.75**	0.74	0.03	0.01	**4.46**	0.89	**4.75**	0.95
Benzo(k)fluoranthene	**3.19**	0.63	0.04	0.01	**3.79**	0.76	**4.04**	0.81
Chrysene	**2.30**	0.46	0.06	0.01	**2.67**	0.53	**2.85**	0.57
Dibenzo(a,h)anthracene	**3.64**	0.72	0.01	0.00	**4.37**	0.87	**4.66**	0.93
Fluoranthene	0.00	0.00	0.07	0.01	**1.14**	0.23	**1.22**	0.24
Fluorene	0.01	0.00	0.02	0.00	**1.53**	0.31	**1.64**	0.33
Hexachlorobenzene	0.49	0.05	0.86	0.17	**97.71**	**18.86**	**104.19**	**20.11**
Hexachlorobutadiene	0.53	0.05	0.02	0.00	**2.49**	0.50	**2.65**	0.53
Hexachlorocyclopentadiene	0.01	0.00	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Hexachloroethane	0.00	0.00	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Indeno(1,2,3-cd)pyrene	**3.79**	0.75	0.04	0.01	**4.49**	0.90	**4.79**	0.96
Pentachlorophenol	0.11	0.02	0.07	0.03	**1.01**	0.50	**1.07**	0.54
Phenanthrene	0.02	0.00	0.10	0.02	**6.26**	**1.25**	**6.67**	**1.33**
Pyrene	**1.64**	0.33	0.35	0.07	**1.73**	0.35	**1.84**	0.37
1,1,1,2-Tetrachloroethane	0.01	0.00	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Aroclor 1016	**5.89**	**2.36**	**10.89**	**2.18**	**55.47**	**11.09**	**59.15**	**11.83**
Aroclor 1221	**16.56**	**3.39**	**10.89**	**2.18**	**15.74**	**3.15**	**11.26**	**2.25**
Aroclor 1232	**16.56**	**3.39**	**10.89**	**2.18**	**15.74**	**3.15**	**14.64**	**2.93**
Aroclor 1242	**32.15**	**6.58**	**10.89**	**2.18**	**30.83**	**6.17**	**32.87**	**6.57**
Aroclor 1248	**122.67**	**25.09**	**10.89**	**2.18**	**118.43**	**23.69**	**126.29**	**25.26**
Aroclor 1254	**230.33**	**47.11**	**10.89**	**2.18**	**222.63**	**44.53**	**237.39**	**47.48**
Aroclor 1260	**496.71**	**101.60**	**106.96**	**21.39**	**477.91**	**95.58**	**509.61**	**101.92**

Table 5-15

Summary of Ecological COPC Remaining After Step 2 Risk Assessment
LMC Middle River Complex, Middle River, Maryland
Page 1 of 4

Chemical	Surface Water					Sediment				
	Water Column Communities	Raccoon	Mallard	Great Blue Heron	Belted Kingfisher	Benthic Invert.	Raccoon	Mallard	Great Blue Heron	Belted Kingfisher
Inorganics										
Total Arsenic						X		X		X
Total Barium						X				
Total Beryllium						x				
Total Cadmium	X	X	X	X	X	X	X	X	X	X
Dissolved Cadmium	X					NA	NA	NA	NA	NA
Total Chromium						X	X	X	X	X
Total Cobalt						X				
Total Copper	X	X	X		X	X				
Hexavalent Chromium	x									
Total Lead	X		X	X	X	X		X	X	X
Dissolved Lead	X					NA	NA	NA	NA	NA
Total Mercury						X		X	X	X
Total Molybdenum						x				
Total Nickel						X				
Total Selenium						X	X	X		
Total Silver	X					X				
Dissolved Silver	X					NA	NA	NA	NA	NA
Total Thallium						x				
Total Vanadium						X				
Total Zinc						X	X	X	X	X
Semivolatile Organics										
1,2-Diphenylhydrazine						x				
1,4-Dioxane						x				
1-Methylnapthalene	x					x				
2,2'Oxybis(1-chloropropane)	x					x				
2,4,5-Trichlorophenol						x				
2,4,6-Trichlorophenol						x				
2,4-Dichlorophenol						x				
2,4-Dimethylphenol						x				
2,4-Dinitrophenol						x				
2,4-Dinitrotoluene						x				
2,6-Dinitrotoluene						x				
2-Chloronaphthalene						x				
2-Chlorophenol						x				
2-Methylnapthalene						X				
2-Methylphenol						x				
2-Nitroaniline	x					x				
2-Nitrophenol						x				
3&4-Methylphenol	x					x				
3,3'-Dichlorobenzidine	x					x				
3-Nitroaniline	x					x				
4,6-Dinitro-2-methylphenol	x					x				
4-Bromophenyl-phenylether	x	x	x	x	x					
4-Choro-3-methylphenol	x					x				
4-Chloroaniline						x				
4-Chlorophenyl-phenylether	x	x	x	x	x	x	x	x	x	x

Table 5-15

Summary of Ecological COPC Remaining After Step 2 Risk Assessment
LMC Middle River Complex, Middle River, Maryland
Page 2 of 4

Chemical	Surface Water					Sediment				
	Water Column Communities	Raccoon	Mallard	Great Blue Heron	Belted Kingfisher	Benthic Invert.	Raccoon	Mallard	Great Blue Heron	Belted Kingfisher
4-Methylphenol	x									
4-Nitroaniline	x					x				
4-Nitrophenol						x				
Acenaphthene						X				
Acenaphthylene						X				
Aniline	x					x				
Anthracene	x					X				
Azobenzene	x					x				
Benzidine						x				
Benzo(a)anthracene						X	X		X	X
Benzo(a)pyrene	x	x		x	x	X	X		X	X
Benzo(b)fluoranthene						X	X		X	X
Benzo(g,h,I)perylene						X	X		X	X
Benzo(k)fluoranthene	x	x		x	x	X	X		X	X
Benzoic Acid						x				
Benzyl Alcohol						x				
bis(2-Chloroethyl)ether						x				
bis(2-ethylhexyl)phthalate						X				
Benzyl butyl phthalate	x					X				
Carbazole	x					x				
Chrysene	x	x		x	x	X	X		X	X
Dibenzo(a,h)anthracene	x	x		x	x	X	X		X	X
Dibenzofuran						x				
Diethyl phthalate	x					x				
Dimethyl phthalate	x					x				
Di-n-butyl phthalate	X									
Di-n-octyl phthalate	x									
Fluoranthene						X			X	X
Fluorene						X			X	X
Hexachlorobenzene	x			x	x	x			x	x
Hexachlorobutadiene						x			x	x
Hexachlorocyclopentadiene	x		x	x	x					
Hexachloroethane						x		x	x	x
Indeno(1,2,3-c,d)pyrene	x	x		x	x	X	X		X	X
Isophorone						x				
Naphthalene						X				
Nitrobenzene						x				
N-Nitrosodimethylamine	x					x				
N-Nitroso-di-n-propylamine	x					x				
N-Nitrosodiphenylamine						x				
Pentachlorphenol						x			x	x
Phenanthrene						X			X	X
Phenol						x				
Pyrene	x	x		x	x	X	X		X	X
Pyridine						x				
Volatile Organics										
1,1,1,2-Tetrachloroethane						x		x	x	x

Table 5-15

Summary of Ecological COPC Remaining After Step 2 Risk Assessment
LMC Middle River Complex, Middle River, Maryland
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Chemical	Surface Water					Sediment				
	Water Column Contamination	Raccoon	Mallard	Great Blue Heron	Belted Kingfisher	Benthic Invert.	Raccoon	Mallard	Great Blue Heron	Belted Kingfisher
1,1,2-Trichlorotrifluoroethane	x					x				
1,1-Dichloroethane						x				
1,1-Dichloroethene						x				
1,1-Dichloropropene						x				
1,2,3-Trichloropropane	x					x				
1,2,3-Trimethylbenzene	x					x				
1,2,4-Trimethylbenzene	x					x				
1,2-Dibromo-3-chloropropane	x					x				
1,2-Dibromoethane						x				
1,2-Dichloroethene	x					x				
1,3-Dichloropropane	x					x				
2,2-Dichloropropane						x				
2-Butanone (MEK)						x				
2-Chloroethyl vinyl ether						x				
2-Chlorotoluene	x					x				
2-Hexanone (MBK)						x				
4-Chlorotoluene	x					x				
4-Isopropyltoluene	x					x				
4-Methyl-2-pentanone						x				
Acetone						X				
Bromobenzene	x					x				
Bromochloromethane						x				
Bromodichloromethane						x				
Bromomethane						x				
cis-1,2-Dichloroethene						X				
Carbon Disulfide	X									
Carbon tetrachloride						x				
Chlorodibromomethane						x				
Chloroethane	x					x				
Chloroform						x				
Chloromethane						x				
Cyclohexane	x					x				
Dibromomethane						x				
Dichlorodifluoromethane						x				
Diisopropyl ether	x					x				
Ethyl Tert-Butyl Ether	x					x				
Ethylbenzene						x				
Isopropylbenzene (Cumene)	x									
m&p xylenes	x					x				
Methyl acetate	x					x				
Methyl cyclohexane	x					x				
Methylene Chloride						x				
methyl-tert-butyl-ether (MTBE)	x					x				
n-Butylbenzene	x					x				
n-Propylbenzene	x					x				
o xylene	x					x				
sec-Butylbenzene	x					x				

Table 5-15

Summary of Ecological COPC Remaining After Step 2 Risk Assessment
LMC Middle River Complex, Middle River, Maryland
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Chemical	Surface Water					Sediment				
	Water Column Community	Raccoon	Mallard	Great Blue Heron	Belted Kingfisher	Benthic Insects	Raccoon	Mallard	Great Blue Heron	Belted Kingfisher
Tert-Amyl Methyl Ether	x					x				
Tert-Butylbenzene	x					x				
Tertiary-butyl alcohol	x					x				
trans-1,3-Dichloropropene						x				
Trichlorofluoromethane						x				
Vinyl Acetate	x					x				
Xylenes, Total						x				
PCBs										
Aroclor 1016	x	x	x	x	x	x	x	x	x	x
Aroclor 1221	x	x	x	x	x	x	x	x	x	x
Aroclor 1232						x	x	x	x	x
Aroclor 1242	x	x	x	x	x	x	x	x	x	x
Aroclor 1248	x	x	x	x	x	x	x	x	x	x
Aroclor 1254	x	x	x	x	x	x	x	x	x	x
Aroclor 1260						X	X	X	X	X

X - COPC remaining after Step 2

x - COPC remaining after Step 2 (only COPC because 1/2 RL greater than STV or No STV available)

NA - Not Applicable to this media

Table 5-16

Step 3 Surface Water and Sediment Mean Exposure Point Concentrations (EPC) for Ecological Risk Calculations and Reference Location Comparison
LMC Middle River Complex, Middle River, Maryland

Chemical	Number of Surface Water Detections	Surface Water Mean (mg/L)	Number of Sediment Detections	Sediment Mean (mg/kg)	Reference Locations (SW/SD-1, SW/SD-2, SW-16 and SD-39) Surface Water Mean (mg/L)	Reference Locations (SW/SD-1, SW/SD-2, SW-16 and SD-39) Sediment Mean (mg/kg)
Total Arsenic	5	0.00138	58	7.08	0.000985	5.23
Total Cadmium	4	0.000169	49	14.01	0.000075	4.56
Total Chromium	1	0.000496	59	236.11	0.00102	118.6
Total Copper	2	0.00428	59	88.41	0.00312	81
Total Lead	0	0.000834	59	116.84	0.00198	119
Total Mercury	0	0.000024	56	0.64	0.000037	0.476
Total Selenium	5	0.00171	9	0.65	0.00086	0.84
Total Zinc	2	0.00627	59	323.48	0.01247	190
4-Bromophenyl-phenylether	0	0.00511	0	0.493	0.0053	0.385
4-Chlorophenyl-phenylether	0	0.00511	0	0.493	0.0053	0.385
Benzo(a)anthracene	0	0.00511	41	1.076	0.0053	0.447
Benzo(a)pyrene	0	0.00511	45	1.054	0.0053	0.290
Benzo(b)fluoranthene	0	0.00511	46	1.462	0.0053	0.440
Benzo(g,h,I)perylene	0	0.00511	26	0.862	0.0053	0.423
Benzo(k)fluoranthene	0	0.00511	32	0.734	0.0053	0.380
Chrysene	0	0.0511	43	1.311	0.0053	0.393
Dibenzo(a,h)anthracene	0	0.0511	7	0.528	0.0053	0.385
Fluoranthene	0	0.0511	47	1.844	0.0053	0.547
Fluorene	0	0.0511	11	0.489	0.0053	0.335
Hexachlorobenzene	0	0.0511	0	0.493	0.0053	0.385
Hexachlorobutadiene	0	0.0511	0	0.493	0.0053	0.291
Hexachlorocyclopentadiene	0	0.0511	0	0.496	0.0053	0.385
Hexachloroethane	0	0.0511	0	0.493	0.0053	0.385
Indeno(1,2,3-cd)pyrene	0	0.0511	27	0.899	0.0053	0.410
Pentachlorophenol	0	0.0118	0	1.202	0.0112	0.853
Phenanthrene	0	0.0511	38	1.117	0.0053	0.400

Table 5-16

Step 3 Surface Wtaer and Sediment Mean and Exposure Point Concentration (Epc) for Ecological Risk Calculations and Reference Location Comparison
LMC Middle River Complex, Middle River, Maryland
Page 2 of 2

Chemical	Number of Surface Water Detections	Surface Water Mean (mg/L)	Number of Sediment Detections	Sediment Mean (mg/kg)	Reference Locations (SW/SD-1, SW/SD-2, SW-16 and SD-39)	
					Surface Water Mean (mg/L)	Sediment Mean (mg/kg)
Pyrene	0	0.0511	46	2.783	0.0053	0.634
1,1,1,2-Tetrachloroethane	0	0.0005	0	0.0082	0.0005	0.0085
Aroclor 1016	0	0.00035	0	0.153	0.00045	0.030
Aroclor 1221	0	0.00035	0	0.153	0.00045	0.030
Aroclor 1232	0	0.00035	0	0.153	0.00045	0.030
Aroclor 1242	0	0.00035	0	0.153	0.00045	0.030
Aroclor 1248	0	0.00035	0	0.153	0.00045	0.030
Aroclor 1254	0	0.00035	0	0.153	0.00045	0.030
Aroclor 1260	0	0.00035	48	2.051	0.00045	0.123

Table 5-17

Step 3 Exposure Factors for Ecological Receptors of Concern
LMC Middle River Complex, Middle River, Maryland

Exposure Factor		Receptor			
		Raccoon	**Mallard Duck**	**Belted Kingfisher**	**Great Blue Heron**
Body Weight (kg)		5.94 (Silva and Downing, 1995)	1.770 (Bellrose, 1980)	0.1480 (Dunning, 1993)	2.2300 (Butler, 1992)
Food Ingestion Rate (kg/day)		0.1000 (Conover, 1989)	0.0647 (allometric equation)	0.0168 (EPA, 1993)	0.3931 (allometric equation)
Water Ingestion Rate (L/day)		0.4921 (allometric equation)	0.0658 (allometric equation)	0.0164 (allometric equation)	0.1010 (allometric equation)
Sediment Ingestion Rate (kg/day)		0.0286 (allometric equation)	0.00135 (allometric equation)	0.00 (allometric equation)	0.00 (allometric equation)
Dietary Composition (percent)	Fish	7.0 (EPA, 1993)	0 (Palmer, 1976)	84.0 (EPA, 1993)	100 (EPA, 1993; Quincy and Smith, 1980)
	Aquatic Plants	40.0 (EPA, 1993)	86.7 (Palmer, 1976)	0 (EPA, 1993)	0 (EPA, 1993; Quincy and Smith, 1980)
	Benthic. Invert.	43.6 (EPA, 1993)	10.0 (Palmer, 1976)	16.0 (EPA, 1993)	0 (EPA, 1993; Quincy and Smith, 1980)
Home Range Size		150 ha (EPA, 1993)	580 ha (EPA, 1993)	8.4 ha (EPA, 1993)	2.2 km shoreline (EPA, 1993)

Table 5-18

Bioaccumulation Factors for the Step 3 Aquatic Food-web
LMC Middle River Complex, Middle River, Maryland
Page 1 of 2

COPC	Aquatic Invertebrate Bioaccumulation Factors (dw)	Reference	Plant Bioconcentration Factors (dw)	Reference	Fish Bioconcentration Factors from Surface Water (ww)	Reference	Fish Bioaccumulation Factors from Sediment (dw)	Reference
Total Arsenic	0.78	Bechtel Jacobs 1998b	0.037	Bechtel Jacobs 1998a	114	EPA 1999b	0.13	Pascoe et al. 1996
Total Cadmium	0.68	Bechtel Jacobs 1998b	0.514	Bechtel Jacobs 1998a	907	EPA 1999b	0.16	Pascoe et al. 1996
Total Chromium	0.08	Bechtel Jacobs 1998b	0.048	Bechtel Jacobs 1998a	19	EPA 1999b	0.04	Krantzberg and Boyd 1992
Total Copper	0.92	Bechtel Jacobs 1998b	0.123	Bechtel Jacobs 1998a	710	EPA 1999b	0.1	Krantzberg and Boyd 1992
Total Lead	0.08	Bechtel Jacobs 1998b	0.038	Bechtel Jacobs 1998a	160	AQUIRE 2002	0.07	Krantzberg and Boyd 1992
Total Mercury	1.08	Bechtel Jacobs 1998b	0.344	Bechtel Jacobs 1998a	11168	EPA 1999b	3.25	Cope et al. 1990
Total Selenium	1	Assumed	0.567	Bechtel Jacobs 1998a	129	EPA 1999b	1	Assumed
Total Zinc	0.95	Bechtel Jacobs 1998b	0.358	Bechtel Jacobs 1998a	639	EPA 1999b	0.15	Assumed
4-Bromophenyl phenyl ether	1	Assumed	0.0499	Travis and Arms 1988	3548	Calculated	1	Assumed
4-Chlorophenyl phenyl ether	1	Assumed	0.0533	Travis and Arms 1988	3240	Calculated	1	Assumed
Benzo(a)anthracene	0.36	Maruya et al. 1997	0.0197	Travis and Arms 1988	500	EPA 1999b	1	Assumed
Benzo(a)pyrene	0.13	Maruya et al. 1997	0.0114	Travis and Arms 1988	500	EPA 1999b	1	Assumed
Benzo(b)fluoranthene	0.15	Maruya et al. 1997	0.0101	Travis and Arms 1988	500	EPA 1999b	1	Assumed
Benzo(g,h,i)perylene	0.21	Maruya et al. 1997	0.0052	Travis and Arms 1988	500	EPA 1999b	1	Assumed
Benzo(k)fluoranthene	0.23	Maruya et al. 1997	0.0101	Travis and Arms 1988	500	EPA 1999b	1	Assumed
Chrysene	0.2	Maruya et al. 1997	0.0197	Travis and Arms 1988	500	EPA 1999b	1	Assumed
Dibenz(a,h)anthracene	0.19	Value for Anthracene	0.0053	Travis and Arms 1988	500	EPA 1999b	1	Assumed
Fluoranthene	0.21	Maruya et al. 1997	0.0425	Travis and Arms 1988	380	EPA 1996	1	Assumed
Fluorene	0.48	Maruya et al. 1997	0.1428	Travis and Arms 1988	1800	EPA 1996	1	Assumed
Hexachlorobenzene	0.52	Oliver and Nimi 1988	0.0153	Travis and Arms 1988	253	EPA 1999b	0.94	Oliver and Nimi 1988
Hexachlorobutadiene	0.39	Oliver and Nimi 1988	0.0642	Travis and Arms 1988	783	EPA 1999b	0.38	Parketon et al. 1993
Hexachlorocyclopentadiene	1	Assumed	0.0297	Travis and Arms 1988	165	EPA 1999b	1	Assumed
Hexachloroethane	1	Assumed	0.1888	Travis and Arms 1988	140	EPA 1999b	1	Assumed
Indeno(1,2,3-cd)pyrene	0.17	Maruya et al. 1997	0.0056	Travis and Arms 1988	500	EPA 1999b	1	Assumed
Pentachlorophenol	1	Assumed	0.0443	Travis and Arms 1988	109	EPA 1999b	1	Assumed
Phenanthrene	0.29	Maruya et al. 1997	0.0908	Travis and Arms 1988	5100	EPA 1996	1	Assumed
Pyrene	0.44	Maruya et al. 1997	0.0431	Travis and Arms 1988	500	EPA 1999b	1	Assumed

Table 5-18

Bioaccumulation Factors for the Step 3 Aquatic Food-web
LMC Middle River Complex, Middle River, Maryland
Page 2 of 2

COPC	Aquatic Invertebrate Bioaccumulation Factors (dw)	Reference	Plant Bioconcentration Factors (dw)	Reference	Fish Bioconcentration Factors from Surface Water (ww)	Reference	Fish Bioaccumulation Factors from Sediment (dw)	Reference
1,1,1,2-Tetrachloroethane	1	Assumed	1.1691	Travis and Arms 1988	48	Calculated	1	Assumed
Aroclor 1016	1.92	Bechtel Jacobs 1998b	0.0224	Travis and Arms 1988	22649	Calculated	12.9	Oliver and Nimi 1988
Aroclor 1221	1.92	Bechtel Jacobs 1998b	0.0744	Travis and Arms 1988	2056	Calculated	12.9	Oliver and Nimi 1988
Aroclor 1232	1.92	Bechtel Jacobs 1998b	0.0437	Travis and Arms 1988	4256	Calculated	12.9	Oliver and Nimi 1988
Aroclor 1242	1.92	Bechtel Jacobs 1998b	0.0224	Travis and Arms 1988	10568	Calculated	12.9	Oliver and Nimi 1988
Aroclor 1248	1.92	Bechtel Jacobs 1998b	0.0101	Travis and Arms 1988	31477	Calculated	12.9	Oliver and Nimi 1988
Aroclor 1254	1.92	Bechtel Jacobs 1998b	0.0068	Travis and Arms 1988	54325	Calculated	12.9	Oliver and Nimi 1988
Aroclor 1260	1.92	Bechtel Jacobs 1998b	0.0045	Travis and Arms 1988	93756	Calculated	12.9	Oliver and Nimi 1988

Table 5-19

Step 3 Ecological Quotients for Benthic Invertebrates for COPCs
LMC Middle River Complex, Middle River, Maryland
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COPC	Sediment Mean	Toxicity Reference Value	Ecological Quotient (EQ_{mean})
Inorganics (mg/kg)			
Arsenic[1]	7.1	8.2	0.87
Barium	52.8	48	**1.10**
Beryllium	1.8	NA	**NA**
Cadmium[1]	14	1.2	**11.67**
Chromium[1]	236.1	81	**2.91**
Cobalt	16.8	10	**1.68**
Copper[1]	88.4	34	**2.60**
Lead[1]	116.8	46.7	**2.50**
Mercury[1]	0.64	0.15	**4.27**
Molydbenum	0.69	NA	**NA**
Nickel[1]	35.5	20.9	**1.70**
Selenium[1]	0.65	1	0.65
Silver[1]	4.1	1	**4.10**
Thallium	0.7	NA	**NA**
Vanadium	51.8	57	0.91
Zinc[1]	323.5	150	**2.16**
Semivolatile organics (ug/kg)			
1,2-Diphenylhydrazine	371.5	NA	**NA**
1,4-Dioxane	520.3	NA	**NA**
1-Methylnaphthalene	520.3	NA	**NA**
2,2'-Oxybis(1-chloropropane)	493.3	NA	**NA**
2,4,5-Trichlorophenol	1134.8	NA	**NA**
2,4,6-Trichlorophenol	493.3	208	**2.37**
2,4-Dichlorophenol	493.3	NA	**NA**
2,4-Dimethylphenol	493.3	29	**17.01**
2,4-Dinitrophenol	493.3	6.21	**79.44**
2,4-Dinitrotoluene	493.3	14.4	**34.26**
2,6-Dinirtoluene	493.3	39.8	**12.39**
2-Chloronaphthalene	493.3	417	**1.18**
2-Chlorphenol	493.3	31.9	**15.46**
2-Methylnaphthalene	481	70	**6.87**
2-Methylphenol (o-Cresol)	493.3	63	**7.83**
2-Nitroaniline	1134.8	NA	**NA**
2-Nitrophenol	493.3	NA	**NA**
3&4-Methylphenol	520.3	NA	**NA**
3,3-Dichlorobenzidine	560.4	127	**4.41**
3-Nitroaniline	1134.8	NA	**NA**
4,6-Dinitro-2-methylphenol	1201.9	NA	**NA**
4-Chloro-3-methylphenol	493.3	NA	**NA**
4-Chloroaniline	493.3	146	**3.38**
4-Chlorphenyl phenyl ether[1]	493.3	NA	**NA**
4-Nitroaniline	1134.8	NA	**NA**
4-Nitrophenol	1201.9	13.3	**90.37**

Table 5-19

Step 3 Ecological Quotients for Benthic Invertebrates for COPCs
LMC Middle River Complex, Middle River, Maryland
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COPC	Sediment Mean	Toxicity Reference Value	Ecological Quotient (EQ_{mean})
Acenaphthene[1]	441.7	16	**27.61**
Acenaphthylene[1]	479.9	44	**10.91**
Aniline	493.3	0.31	**1591.29**
Anthracene[1]	541.1	85.3	**6.34**
Azobenzene	520.3	NA	**NA**
Benzidine	1134.8	NA	**NA**
Benzo(a)anthracene[1]	1075.6	261	**4.12**
Benzo(a)pyrene[1]	1054.2	430	**2.45**
Benzo(b)fluoranthene	734.5	3200	0.23
Benzo(g,h,I)perylene[1]	862.5	670	**1.29**
Benzo(k)fluoranthene[1]	734.5	240	**3.06**
Benzoic Acid	1201.9	650	**1.85**
Benzyl Alcohol	493.3	1.04	**474.33**
Bis(2-chlorethyl)ether	493.3	NA	**NA**
Bis(2-ethylhexyl)phthalate	770.5	1300	0.59
Butyl benzyl phthalate	489.2	63	**7.77**
Carbazole	494.2	NA	**NA**
Chrysene[1]	1311.5	384	**3.42**
Dibenzo(a,h)anthracene[1]	527.8	63.4	**8.32**
Dibenzofuran	478.8	540	0.89
Diethyl phthalate	493.3	200	**2.47**
Dimethyl phthalate	493.3	71	**6.95**
Fluoranthene[1]	1844.1	600	**3.07**
Fluorene[1]	489.3	19	**25.75**
Hexachlorobenzene[1]	493.3	22	**22.42**
Hexachlorobutadiene[1]	493.3	11	**44.85**
Hexachloroethane[1]	493.3	584	0.84
Indeno(1,2,3-cd)pyrene[1]	899.8	600	**1.50**
Isophrone	493.3	432	**1.14**
Napthalene	491.7	160	**3.07**
Nitrobenzene	493.3	145	**3.40**
n-Nitrosodimethylamine	493.3	NA	**NA**
n-Nitroso-di-n-propylamine	493.3	NA	**NA**
n-Nitrosodiphenylamine	493.3	28	**17.62**
Pentachlorophenol[1]	1201.9	360	**3.34**
Phenanthrene[1]	1117.7	240	**4.66**
Phenol	493.3	420	**1.17**
Pyrene[1]	2783.4	665	**4.19**
Pyridine	494.3	106	**4.66**
Volatile Organics (ug/kg)			
1,1,2-Trichlortrifluoroethane	7.7	NA	**NA**
1,1-Dichloroethane	7.8	0.575	**13.57**
1,1-Dichloroethene	7.7	19.4	0.40

Table 5-19

Step 3 Ecological Quotients for Benthic Invertebrates for COPCs
LMC Middle River Complex, Middle River, Maryland
Page 3 of 4

COPC	Sediment Mean	Toxicity Reference Value	Ecological Quotient (EQ_{mean})
1,1-Dichloropropene	8.2	NA	NA
1,2,3-Trichloropropane	8.2	NA	NA
1,2,3-Trimethylbenzene	8.2	NA	NA
1,2,4-Trimethylbenzene	8.2	NA	NA
1,2-Dibromo-3-Chloropropane	7.7	NA	NA
1,2-Dibromoethane	7.7	NA	NA
1,2-Dichloroethene	16.4	NA	NA
1,3-Dichloropropane	8.2	NA	NA
2,2-Dichloropropane	8.2	NA	NA
2-Butanone (MEK)	26.1	NA	NA
2-Chloroethyl vinyl ether	8.2	NA	NA
2-Chlorotoluene	8.2	NA	NA
2-Hexanone (MBK)	35.7	58.2	0.61
4-Chlorotoluene	8.2	NA	NA
4-Isopropyltoluene	8.2	NA	NA
4-Methyl-2-Pentanone	35.6	NA	NA
Acetone	91.3	9.9	**9.22**
Bromobenzene	8.2	NA	NA
Bromochloromethane	8.2	NA	NA
Bromodichloromethane	7.7	NA	NA
Bromomethane	15.5	1.37	**11.31**
c-1,2-Dichloroethene	7.7	23.9	0.32
Carbon Tetrachloride	7.7	NA	NA
Chlorodibromomethane	7.7	NA	NA
Chloroethane	15.6	NA	NA
Chloroform	7.7	NA	NA
Chloromethane	15.4	NA	NA
Cyclohexane	5.5	NA	NA
Dibromomethane	8.2	NA	NA
Dichlorodifluoromethane	14.5	NA	NA
Diisopropyl ether	8.3	NA	NA
Ethyl Tert-Butyl Ether	8.2	NA	NA
Ethylbenzene	7.7	10	0.77
m&p xylenes	14.5	NA	NA
Methyl acetate	5.5	NA	NA
Methyl cyclohexane	5.5	NA	NA
Methylene Chloride	11.1	NA	NA
Methyl-t-Butyl Ether (MTBE)	8.9	NA	NA
n-Butylbenzene	8.2	NA	NA
n-Propylbenzene	8.2	NA	NA
o xylene	7.7	NA	NA
sec-Butylbenzene	17.2	NA	NA
Tert-Amyl Methyl Ether	8.2	NA	NA
Tert-Butylbenzene	8.1	NA	NA
Teritary-butyl alcohol	16.9	NA	NA
t-1,3-Dichloropropene	7.7	NA	NA
Trichlorofluoromethane	14.5	NA	NA

Table 5-19

Step 3 Ecological Quotients for Benthic Invertebrates for COPCs
LMC Middle River Complex, Middle River, Maryland

COPC	Sediment Mean	Toxicity Reference Value	Ecological Quotient (EQ_{mean})
Vinyl acetate	8.2	NA	NA
Xylenes, total	24.5	40	0.61
PCBs			
Aroclor 1016[1]	153.3	22.7	**6.75**
Aroclor 1221[1]	153.3	22.7	**6.75**
Aroclor 1232[1]	153.3	22.7	**6.75**
Aroclor 1242[1]	153.3	22.7	**6.75**
Aroclor 1248[1]	153.3	22.7	**6.75**
Aroclor 1254[1]	153.3	22.7	**6.75**
Aroclor 1260[1]	2051.5	22.7	**90.37**

[1] - Chemicals that are bioaccumulative.
NA = Not Available

Table 5-20

Step 3 Ecological Quotients for Aquatic Communities for COPCs
LMC Middle River Complex, Middle River, Maryland
Page 1 of 2

COPC	Surface Water Mean	Toxicity Reference Value	Ecological Quotient (EQ_{mean})
Inorganics (ug/L)			
Total Cadmium[1]	0.17	0.1	**1.7**
Total Copper[1]	4.3	2.85	**1.51**
Total Hexavalent Chromium	0.01	NA	**NA**
Total Lead[1]	0.83	0.54	**1.54**
Total Silver[1]	0.34	0.0001	**3400**
Dissolved Cadmium[1]	0.16	0.1	**2**
Dissolved Silver[1]	0.34	0.0001	**3400.00**
Semivolatile organics (ug/L)			
1-Methylnaphthalene	5	NA	**NA**
2,2'-Oxybis(1-chloropropane)	5.1	NA	**NA**
2-Nitroaniline	9.9	NA	**NA**
3&4-Methylphenol	5	NA	**NA**
3,3'-Dichlorobenzidine	7	4.5	**1.56**
3-Nitroaniline	9.9	NA	**NA**
4,6-Dinitro-2-methyphenol	11.8	2.3	**5.13**
4-Bromophenyl phenyl ether[1]	5.1	1.5	**3.40**
4-Chloro-3-methylphenol	5.1	0.3	**17.00**
4-Chlorphenyl phenyl ether[1]	5.1	NA	**NA**
4-Nitroaniline	9.9	NA	**NA**
4-Methyphenol	5.3	NA	**NA**
Aniline	5.1	4.1	**1.24**
Anthracene[1]	5.1	0.1	**51.0**
Azobenzene	5	NA	**NA**
Benzo(a)pyrene[1]	5.1	0.014	**364.29**
Benzo(k)fluoranthene[1]	5.1	NA	**NA**
Benzyl butyl phthalate	5.1	3	**1.70**
Carbazole	5.1	NA	**NA**
Chrysene[1]	5.1	NA	**NA**
Dibenzo(a,h)anthracene[1]	5.1	NA	**NA**
Diethyl phthalate	5.1	3	**1.70**
Dimethyl phthalate	5.1	3	**1.70**
Di-n-butyl phthalate	4.6	0.3	**15.33**
Di-n-octyl phthalate	5.1	0.3	**17.00**
Hexachlorobenzene[1]	5.1	3.68	**1.39**
Hexachlorocyclopentadiene[1]	5.1	5.2	0.98
Indeno(1,2,3-cd)pyrene[1]	5.1	4.31	**1.18**
N-Nitrosodimethylamine	5.1	NA	**NA**
N-Nitroso-di-n-propylamine	5.1	NA	**NA**
Pyrene[1]	5.1	0.3	**17.00**

Table 5-20

Step 3 Ecological Quotients for Aquatic Communities for COPCs
LMC Middle River Complex, Middle River, Maryland
Page 2 of 2

COPC	Surface Water Mean	Toxicity Reference Value	Ecological Quotient (EQ_{mean})
Volatile Organics (ug/L)			
1,1,2-Trichlorofluoroethane	1.2	NA	**NA**
1,2,3-Trichlorpropane	0.5	NA	**NA**
1,2,3-Trimethylbenzene	0.5	NA	**NA**
1,2,4-Trimethylbenzene	0.5	NA	**NA**
1,2-Dibromo-3-chloropropane	1.2	NA	**NA**
1,2-Dichloroethene	1	NA	**NA**
1,3-Dichloropropane	0.5	NA	**NA**
2-Chlorotoluene	0.5	NA	**NA**
4-Chlorotoluene	0.5	NA	**NA**
4-Isopropyltoluene	0.5	NA	**NA**
Bromobenzene	0.5	NA	**NA**
Carbon disulfide	2.4	2	**1.20**
Chloroethane	2.4	NA	**NA**
Cumene (Isopropylbenzene)	1.2	NA	**NA**
Cyclohexane	2.5	NA	**NA**
Diisopropyl ether	0.5	NA	**NA**
Ethyl Tert-Butyl Ether	0.5	NA	**NA**
m&p xylenes	1.5	NA	**NA**
Methyl acetate	2.5	NA	**NA**
Methyl cyclohexane	2.5	NA	**NA**
methyl-tert-butyl ether (MTBE)	1.8	NA	**NA**
n-Butylbenzene	0.5	NA	**NA**
n-Propylbenzene	0.5	NA	**NA**
o xylene	1.2	NA	**NA**
sec-Butylbenzene	0.5	NA	**NA**
Tert-Amyl Methyl Ether	0.5	NA	**NA**
Tert-Butylbenzene	0.5	NA	**NA**
Teritary-butyl alcohol	2.5	NA	**NA**
Vinyl Acetate	0.5	NA	**NA**
PCBs			
Aroclor 1016[1]	0.35	0.28	**1.25**
Aroclor 1221[1]	0.35	0.28	**1.25**
Aroclor 1242[1]	0.35	0.053	**6.60**
Aroclor 1248[1]	0.35	0.081	**4.32**
Aroclor 1254[1]	0.35	0.033	**10.61**

[1] - Chemicals that are bioaccumulative.
NA = Not Available

Table 5-21

Aquatic Species Mean Concentration Hazard Quotient Values
LMC Middle River Complex, Middle River, Maryland

Ecological Contaminants of Concern	Raccoon		Mallard		Belted Kingfisher		Great Blue Heron	
	NOAEL	LOAEL	NOAEL	LOAEL	NOAEL	LOAEL	NOAEL	LOAEL
	HQ_n	HQ_l	HQ_n	HQ_l	HQ_n	HQ_l	HQ_n	HQ_l
Total Arsenic	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.01
Total Cadmium	0.02	0.00	0.00	0.00	0.03	0.00	0.09	0.01
Total Chromium	0.12	0.02	0.02	0.00	0.14	0.03	0.42	0.08
Total Copper	0.01	0.01	0.00	0.00	0.01	0.01	0.02	0.01
Total Lead	0.02	0.00	0.01	0.00	0.03	0.01	0.10	0.02
Total Mercury	0.00	0.00	0.00	0.00	**1.48**	0.49	**5.34**	**1.78**
Total Selenium	0.01	0.00	0.00	0.00	0.01	0.00	0.04	0.01
Total Zinc	0.03	0.00	0.00	0.00	0.08	0.01	0.19	0.02
4-Bromophenyl phenyl ether	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorophenyl phenyl ether	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	0.00	0.00	0.00	0.00	0.02	0.00	0.07	0.01
Benzo(a)pyrene	0.00	0.00	0.00	0.00	0.02	0.00	0.07	0.01
Benzo(b)fluoranthene	0.00	0.00	0.00	0.00	0.02	0.00	0.07	0.01
Benzo(g,h,I)perylene	0.00	0.00	0.00	0.00	0.02	0.00	0.07	0.01
Benzo(k)fluoranthene	0.00	0.00	0.00	0.00	0.02	0.00	0.07	0.01
Chrysene	0.00	0.00	0.00	0.00	0.02	0.00	0.07	0.01
Dibenzo(a,h)anthracene	0.00	0.00	0.00	0.00	0.02	0.00	0.07	0.01
Fluoranthene	0.00	0.00	0.00	0.00	0.02	0.00	0.06	0.01
Fluorene	0.00	0.00	0.00	0.00	0.06	0.01	0.23	0.05
Hexachlorobenzene	0.00	0.00	0.00	0.00	0.62	0.12	**2.26**	0.44
Hexachlorobutadiene	0.00	0.00	0.00	0.00	0.06	0.01	0.21	0.04
Hexachlorocyclopentadiene	0.00	0.00	NA	NA	NA	NA	NA	NA
Hexachloroethane	0.00	0.00	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	0.00	0.00	0.00	0.00	0.02	0.00	0.07	0.01
Pentachlorophenol	0.00	0.00	0.00	0.00	0.02	0.01	0.07	0.03
Phenanthrene	0.00	0.00	0.00	0.00	0.18	0.04	0.65	0.13
Pyrene	0.01	0.00	0.00	0.00	0.02	0.00	0.08	0.02
1,1,1,2-Tetrachloroethane	0.00	0.00	NA	NA	NA	NA	NA	NA
Aroclor 1016	0.00	0.00	0.00	0.00	0.27	0.05	0.99	0.20
Aroclor 1221	0.00	0.00	0.00	0.00	0.04	0.01	0.14	0.03
Aroclor 1232	0.01	0.00	0.00	0.00	0.06	0.01	0.23	0.05
Aroclor 1242	0.01	0.00	0.00	0.00	0.13	0.03	0.49	0.10
Aroclor 1248	0.03	0.01	0.00	0.00	0.37	0.07	**1.35**	0.27
Aroclor 1254	0.04	0.01	0.00	0.00	0.62	0.12	**2.29**	0.46
Aroclor 1260	0.11	0.02	0.00	0.00	**1.26**	0.25	**4.63**	0.93

Table 5-22

Step 3 Ecological COPC Remaining after Risk Assessment
LMC Middle River Complex, Middle River, Maryland

Chemical	Surface Water					Sediment				
	Water Column Community	Raccoon	Mallard	Great Blue Heron	Belted Kingfisher	Benthic Invert.	Raccoon	Mallard	Great Blue Heron	Belted Kingfisher
Inorganics										
Total Arsenic										
Total Barium						X				
Total Beryllium						x				
Total Cadmium	X					X				
Dissolved Cadmium	X					NA	NA	NA	NA	NA
Total Chromium						X				
Total Cobalt						X				
Total Copper	X					X				
Hexavalent Chromium	x									
Total Lead	X					X				
Total Mercury						X			X	
Total Molybdenum						x				
Total Nickel						X				
Total Selenium										
Total Silver	X					X				
Dissolved Silver	X					NA	NA	NA	NA	NA
Total Thallium						x				
Total Vanadium										
Total Zinc						X				
Semivolatile Organics										
1,2-Diphenylhydrazine						x				
1,4-Dioxane						x				
1-Methylnapthalene	x					x				
2,2'Oxybis(1-chloropropane)	x					x				
2,4,5-Trichlorophenol						x				
2,4,6-Trichlorophenol						x				
2,4-Dichlorophenol						x				
2,4-Dimethylphenol						x				
2,4-Dinitrophenol						x				
2,4-Dinitrotoluene						x				
2,6-Dinitrotoluene						x				
2-Chloronaphthalene						x				
2-Chlorophenol						x				
2-Methylnapthalene						X				
2-Methylphenol						x				
2-Nitroaniline	x					x				
2-Nitrophenol						x				
3&4-Methylphenol	x					x				
3,3'-Dichlorobenzidine	x					x				
3-Nitroaniline	x					x				
4,6-Dinitro-2-methylphenol	x					x				
4-Bromophenyl-phenylether	x	x	x	x	x					
4-Choro-3-methylphenol	x					x				
4-Chloroaniline						x				
4-Chlorophenyl-phenylether	x	x	x	x	x	x	x	x	x	x
4-Methylphenol	x									
4-Nitroaniline	x					x				
4-Nitrophenol						x				

Table 5-22

Step 3 Ecological COPC Remaining after Risk Assessment
LMC Middle River Complex, Middle River, Maryland
Page 2 of 3

Chemical	Surface Water					Sediment				
	Water Column Communities	Raccoon	Mallard	Great Blue Heron	Belted Kingfisher	Benthic Invert.	Raccoon	Mallard	Great Blue Heron	Belted Kingfisher
Acenaphthene						X				
Acenaphthylene						X				
Aniline	x					x				
Anthracene	x					X				
Azobenzene	x					x				
Benzidine						x				
Benzo(a)anthracene						X				
Benzo(a)pyrene	x					X				
Benzo(b)fluoranthene										
Benzo(g,h,I)perylene						X				
Benzo(k)fluoranthene	x					X				
Benzoic Acid						x				
Benzyl Alcohol						x				
bis(2-Chloroethyl)ether						x				
bis(2-ethylhexyl)phthalate						X				
Benzyl butyl phthalate	x					X				
Carbazole	x					x				
Chrysene	x					X				
Dibenzo(a,h)anthracene	x					X				
Dibenzofuran										
Diethyl phthalate	x					x				
Dimethyl phthalate	x					x				
Di-n-butyl phthalate	X									
Di-n-octyl phthalate	x									
Fluoranthene						X				
Fluorene						X				
Hexachlorobenzene	x					x				
Hexachlorobutadiene						x				
Hexachlorocyclopentadiene			x	x	x					
Hexachloroethane								x	x	x
Indeno(1,2,3-c,d)pyrene	x					X				
Isophorone						x				
Naphthalene						X				
Nitrobenzene						x				
N-Nitrosodimethylamine	x					x				
N-Nitroso-di-n-propylamine	x					x				
N-Nitrosodiphenylamine						x				
Pentachlorphenol						x				
Phenanthrene						X				
Phenol						x				
Pyrene	x					X				
Pyridine						x				
Volatile Organics										
1,1,1,2-Tetrachloroethane								x	x	x
1,1,2-Trichlorotrifluoroethane	x					x				
1,1-Dichloroethane						x				
1,1-Dichloroethene										
1,1-Dichloropropene						x				
1,2,3-Trichloropropane	x					x				
1,2,3-Trimethylbenzene	x					x				
1,2,4-Trimethylbenzene	x					x				
1,2-Dibromo-3-chloropropane	x					x				
1,2-Dibromoethane						x				
1,2-Dichloroethene	x					x				

Table 5-22

Step 3 Ecological COPC Remaining after Risk Assessment
LMC Middle River Complex, Middle River, Maryland
Page 3 of 3

Chemical	Surface Water					Sediment				
	Water Column Concentrations	Benthos	Wetland	Great Blue Heron	Bald Eagle	Benthic Invert.	Benthos	Wetland	Great Blue Heron	Bald Eagle
1,3-Dichloropropane	x					x				
2,2-Dichloropropane						x				
2-Butanone (MEK)						x				
2-Chloroethyl vinyl ether						x				
2-Chlorotoluene	x					x				
2-Hexanone (MBK)										
4-Chlorotoluene	x					x				
4-Isopropyltoluene	x					x				
4-Methyl-2-pentanone						x				
Acetone						X				
Bromobenzene	x					x				
Bromochloromethane						x				
Bromodichloromethane						x				
Bromomethane						x				
cis-1,2-Dichloroethene										
Carbon Disulfide	X									
Carbon tetrachloride						x				
Chlorodibromomethane						x				
Chloroethane	x					x				
Chloroform						x				
Chloromethane						x				
Cyclohexane	x					x				
Dibromomethane						x				
Dichlorodifluoromethane						x				
Diisopropyl ether	x					x				
Ethyl Tert-Butyl Ether	x					x				
Ethylbenzene										
Isopropylbenzene (Cumene)	x									
m&p xylenes	x					x				
Methyl acetate	x					x				
Methyl cyclohexane	x					x				
Methylene Chloride						x				
methyl-tert-butyl-ether (MTBE)	x					x				
n-Butylbenzene	x					x				
n-Propylbenzene	x					x				
o xylene	x					x				
sec-Butylbenzene	x					x				
Tert-Amyl Methyl Ether	x					x				
Tert-Butylbenzene	x					x				
Tertiary-butyl alcohol	x					x				
trans-1,3-Dichloropropene						x				
Trichlorofluoromethane						x				
Vinyl Acetate	x					x				
Xylenes, Total										
PCBs										
Aroclor 1016	x					x				
Aroclor 1221	x					x				
Aroclor 1232						x				
Aroclor 1242	x					x				
Aroclor 1248	x					x				
Aroclor 1254	x					x				
Aroclor 1260						X				

X - COPC remaining after Step 3
x - COPC remaining after Step 3 (only COPC because 1/2 RL greater than STV or No STV available)
NA - Not Applicable to this media

Table 5-23

Step 3 Ecological Quotients for Benthic Invertebrates for COPCs at Reference Locations (SD-1 and SD-2)
LMC Middle River Complex, Middle River, Maryland
Page 1 of 4

COPC	Sediment Mean	Toxicity Reference Value	Ecological Quotient ($EQ_{benthic}$)
Inorganics (mg/kg)			
Arsenic[1]	5.2	8.2	0.63
Barium	32.6	48	0.68
Beryllium	1.2	NA	**NA**
Cadmium[1]	4.6	1.2	**3.83**
Chromium[1]	118.6	81	**1.46**
Cobalt	13.1	10	**1.31**
Copper[1]	81	34	**2.38**
Lead[1]	119	46.7	**2.55**
Mercury[1]	0.48	0.15	**3.20**
Molybdenum	0.6	NA	**NA**
Nickel[1]	39.7	20.9	**1.90**
Selenium[1]	0.84	1	0.84
Silver[1]	0.75	1	0.75
Thallium	0.36	NA	**NA**
Vanadium	30.2	57	0.53
Zinc[1]	190	150	**1.27**
Semivolatile organics (ug/kg)			
1,2-Diphenylhydrazine	302.5	NA	**NA**
1,4-Dioxane	550	NA	**NA**
1-Methylnaphthalene	550	NA	**NA**
2,2'-Oxybis(1-chloropropane)	385	NA	**NA**
2,4,5-Trichlorophenol	651.7	NA	**NA**
2,4,6-Trichlorophenol	385	208	**1.85**
2,4-Dichlorophenol	385	NA	**NA**
2,4-Dimethylphenol	385	29	**13.28**
2,4-Dinitrophenol	853.3	6.21	**137.41**
2,4-Dinitrotoluene	385	14.4	**26.74**
2,6-Dinirtoluene	385	39.8	**9.67**
2-Chloronaphthalene	385	417	0.92
2-Chlorphenol	385	31.9	**12.07**
2-Methylnaphthalene	326.7	70	**4.67**
2-Methylphenol (o-Cresol)	385	63	**6.11**
2-Nitroaniline	651.7	NA	**NA**
2-Nitrophenol	385	NA	**NA**
3&4-Methylphenol	550	NA	**NA**
3,3-Dichlorobenzidine	586.7	127	**4.62**
3-Nitroaniline	651.7	NA	**NA**
4,6-Dinitro-2-methylphenol	853.3	NA	**NA**
4-Chloro-3-methylphenol	385	NA	**NA**
4-Chloroaniline	385	146	**2.64**
4-Chlorphenyl phenyl ether[1]	385	NA	**NA**
4-Nitroaniline	651.7	NA	**NA**
4-Nitrophenol	853.3	13.3	**64.16**

Table 5-23

Step 3 Ecological Quotients for Benthic Invertebrates for COPCs at Reference Locations (SD-1 and SD-2)
LMC Middle River Complex, Middle River, Maryland
Page 2 of 4

COPC	Sediment Mean	Toxicity Reference Value	Ecological Quotient (EQ_{mean})
Acenaphthene[1]	385	16	**24.06**
Acenaphthylene[1]	376.7	44	**8.56**
Aniline	385	0.31	**1241.94**
Anthracene[1]	363.3	85.3	**4.26**
Azobenzene	550	NA	**NA**
Benzidine	651.7	NA	**NA**
Benzo(a)anthracene[1]	446.7	261	**1.71**
Benzo(a)pyrene[1]	290	430	0.67
Benzo(b)fluoranthene	440	3200	0.14
Benzo(g,h,I)perylene[1]	423.3	670	0.63
Benzo(k)fluoranthene[1]	380	240	**1.58**
Benzoic Acid	853.3	650	1.31
Benzyl Alcohol	385	1.04	**370.19**
Bis(2-chlorethyl)ether	385	NA	**NA**
Bis(2-ethylhexyl)phthalate	630	1300	0.48
Butyl benzyl phthalate	1150	63	**18.25**
Carbazole	385	NA	**NA**
Chrysene[1]	393.3	384	**1.02**
Dibenzo(a,h)anthracene[1]	385	63.4	**6.07**
Dibenzofuran	385	540	0.71
Diethyl phthalate	385	200	**1.93**
Dimethyl phthalate	385	71	**5.42**
Fluoranthene[1]	546.7	600	**0.91**
Fluorene[1]	334.7	19	**17.62**
Hexachlorobenzene[1]	385	22	**17.50**
Hexachlorobutadiene[1]	290.9	11	**26.45**
Hexachloroethane[1]	385	584	**0.66**
Indeno(1,2,3-cd)pyrene[1]	410	600	0.68
Isophrone	385	432	0.89
Napthalene	290.9	160	**1.82**
Nitrobenzene	385	145	**2.66**
n-Nitrosodimethylamine	385	NA	**NA**
n-Nitroso-di-n-propylamine	385	NA	**NA**
n-Nitrosodiphenylamine	385	28	**13.75**
Pentachlorophenol[1]	853.3	360	**2.37**
Phenanthrene[1]	400	240	**1.67**
Phenol	385	420	0.92
Pyrene[1]	633.3	665	**0.95**
Pyridine	385	106	**3.63**
Volatile Organics (ug/kg)			
1,1,1,2-Tetrachloroethane	8.5	NA	**NA**
1,1,2-Trichlortrifluoroethane	4.5	NA	**NA**
1,1-Dichloroethane	5.9	0.575	**10.26**

Table 5-23

Step 3 Ecological Quotients for Benthic Invertebrates for COPCs at Reference Locations (SD-1 and SD-2)
LMC Middle River Complex, Middle River, Maryland
Page 3 of 4

COPC	Sediment Mean	Toxicity Reference Value	Ecological Quotient (EQ_{mean})
1,1-Dichloroethene	5.9	1.39	**4.24**
1,1-Dichloropropene	8.5	NA	**NA**
1,2,3-Trichloropropane	8.5	NA	**NA**
1,2,3-Trimethylbenzene	8.5	NA	**NA**
1,2,4-Trimethylbenzene	8.5	NA	**NA**
1,2-Dibromo-3-Chloropropane	5.9	NA	**NA**
1,2-Dibromoethane	5.9	NA	**NA**
1,2-Dichloroethene	5.9	NA	**NA**
2-Butanone (MEK)	20.2	NA	**NA**
2-Chloroethyl vinyl ether	8.5	NA	**NA**
2-Chlorotoluene	8.5	NA	**NA**
2-Hexanone (MBK)	25.6	58.2	0.44
4-Chlorotoluene	8.5	NA	**NA**
4-Isopropyltoluene	8.5	NA	**NA**
4-Methyl-2-Pentanone	25.6	NA	**NA**
Acetone	21.3	9.9	**2.15**
Bromobenzene	8.5	NA	**NA**
Bromochloromethane	8.5	NA	**NA**
Bromodichloromethane	5.9	NA	**NA**
Bromomethane	11.7	1.37	**8.54**
c-1,2-Dichloroethene	5.9	23.9	0.25
Carbon Tetrachloride	5.9	NA	**NA**
Chlorodibromomethane	5.9	NA	**NA**
Chloroethane	11.7	NA	**NA**
Chloroform	5.9	NA	**NA**
Chloromethane	11.7	NA	**NA**
Cyclohexane	4.5	NA	**NA**
Dibromomethane	8.5	NA	**NA**
Dichlorodifluoromethane	8.7	NA	**NA**
Diisopropyl ether	8.5	NA	**NA**
Ethyl Tert-Butyl Ether	8.5	NA	**NA**
Ethylbenzene	5.9	10	0.59
m&p xylenes	8.7	NA	**NA**
Methyl acetate	4.5	NA	**NA**
Methyl cyclohexane	4.5	NA	**NA**
Methylene Chloride	8.8	NA	**NA**
Methyl-t-Butyl Ether (MTBE)	8.7	NA	**NA**
n-Butylbenzene	8.5	NA	**NA**
n-Propylbenzene	8.5	NA	**NA**
o xylene	5.9	NA	**NA**
sec-Butylbenzene	8.5	NA	**NA**
Tert-Amyl Methyl Ether	8.5	NA	**NA**
Tert-Butylbenzene	8.5	NA	**NA**
t-1,3-Dichloropropene	5.9	NA	**NA**
Trichlorofluoromethane	10.8	NA	**NA**
Vinyl acetate	8.5	NA	**NA**
Xylenes, total	10.8	40	0.27

Table 5-23

Step 3 Ecological Quotients for Benthic Invertebrates for COPCs at Reference Locations (SD-1 and SD-2)
LMC Middle River Complex, Middle River, Maryland
Page 4 of 4

COPC	Sediment Mean	Toxicity Reference Value	Ecological Quotient (EQ_{mean})
PCBs (ug/kg)			
Aroclor 1016[1]	29.7	22.7	**1.31**
Aroclor 1221[1]	29.7	22.7	**1.31**
Aroclor 1232[1]	29.7	22.7	**1.31**
Aroclor 1242[1]	29.7	22.7	**1.31**
Aroclor 1248[1]	29.7	22.7	**1.31**
Aroclor 1254[1]	29.7	22.7	**1.31**
Aroclor 1260[1]	123.5	22.7	**5.44**

[1] - Chemicals that are bioaccumulative.
NA = Not Available

Table 5-24

Step 3 Ecological Quotients for Aquatic Communities for COPCs at Reference Locations (SW-1 and SW-2)
LMC Middle River Complex, Middle River, Maryland
Page 1 of 2

COPC	Surface Water Mean	Toxicity Reference Value	Ecological Quotient (EQ_{mean})
Inorganics (ug/L)			
Total Cadmium	0.07	0.1	0.7
Total Copper	3.1	2.85	**1.09**
Total Lead	1.98	0.54	**3.67**
Total Hexavalent Chromium	0.0000075	NA	**NA**
Total Silver	0.18	0.0001	**1800**
Dissolved Cadmium	0.07	0.1	0.70
Dissolved Silver	0.26	0.0001	**2600.00**
Semivolatile organics (ug/L)			
1-Methylnaphthalene	5	NA	**NA**
2,2'-Oxybis(1-chloropropane)	5.3	NA	**NA**
2-Nitroaniline	7.8	NA	**NA**
3&4-Methylphenol	5	NA	**NA**
3,3'-Dichlorobenzidine	8.7	4.5	**1.93**
3-Nitroaniline	7.8	NA	**NA**
4,6-Dinitro-2-methyphenol	11.2	2.3	**4.87**
4-Bromophenyl phenyl ether	5.3	1.5	**3.53**
4-Chloro-3-methylphenol	5.3	0.3	**17.67**
4-Chlorphenyl phenyl ether	5.3	NA	**NA**
4-Nitroaniline	7.8	NA	**NA**
4-Methyphenol	5.5	NA	**NA**
Aniline	5.3	4.1	**1.29**
Anthracene	5.3	0.1	**53.0**
Azobenzene	5	NA	**NA**
Benzo(a)pyrene	5.3	0.014	**378.57**
Benzo(k)fluoranthene	5.3	NA	**NA**
Benzyl butyl phthalate	5.3	3	**1.77**
Carbazole	5.3	NA	**NA**
Chrysene	5.3	NA	**NA**
Dibenzo(a,h)anthracene	5.3	NA	**NA**
Diethyl phthalate	5.3	3	**1.77**
Dimethyl phthalate	5.3	3	**1.77**
Di-n-butyl phthalate	5.3	0.3	**17.67**
Di-n-octyl phthalate	5.3	0.3	**17.67**
Hexachlorobenzene	5.3	3.68	**1.44**
Hexachlorocyclopentadiene	5.3	5.2	**1.02**
Indeno(1,2,3-cd)pyrene	5.3	4.31	**1.23**
N-Nitrosodimethylamine	5.3	NA	**NA**
N-Nitroso-di-n-propylamine	5.3	NA	**NA**
Pyrene	5.3	0.3	**17.67**
Volatile Organics (ug/L)			
1,1,2-Trichlorofluoroethane	2.5	NA	**NA**
1,2,3-Trichlorpropane	0.5	NA	**NA**
1,2,3-Trimethylbenzene	0.5	NA	**NA**
1,2,4-Trimethylbenzene	0.5	NA	**NA**
1,2-Dibromo-3-chloropropane	1.8	NA	**NA**
1,2-Dichloroethene	1.8	NA	**NA**

Table 5-24

Step 3 Ecological Quotients for Aquatic Communities for COPCs at Reference Locations (SW-1 and SW-2)
LMC Middle River Complex, Middle River, Maryland
Page 2 of 2

COPC	Surface Water Mean	Toxicity Reference Value	Ecological Quotient (EQ_{mean})
1,3-Dichloropropane	0.5	NA	**NA**
2-Chlorotoluene	0.5	NA	**NA**
4-Chlorotoluene	0.5	NA	**NA**
4-Isopropyltoluene	0.5	NA	**NA**
Carbon disulfide	2.7	2	**1.35**
Chloroethane	3.7	NA	**NA**
Cumene (Isopropylbenzene)	1.8	NA	**NA**
Cyclohexane	2.5	NA	**NA**
Diisopropyl ether	0.5	NA	**NA**
Ethyl Tert-Butyl Ether	0.5	NA	**NA**
m&p xylenes	2	NA	**NA**
Methyl acetate	2.5	NA	**NA**
Methyl cyclohexane	2.5	NA	**NA**
methyl-tert-butyl ether (MTBE)	2	NA	**NA**
n-Butylbenzene	0.5	NA	**NA**
n-Propylbenzene	0.5	NA	**NA**
o xylene	1.8	NA	**NA**
sec-Butylbenzene	0.5	NA	**NA**
Tert-Amyl Methyl Ether	0.5	NA	**NA**
Tert-Butylbenzene	0.5	NA	**NA**
Tertiary-butyl alcohol	2.5	NA	**NA**
Vinyl Acetate	0.5	NA	**NA**
PCBs			
Aroclor 1016	0.45	0.28	**1.61**
Aroclor 1221	0.45	0.28	**1.61**
Aroclor 1242	0.45	0.053	**8.49**
Aroclor 1248	0.45	0.081	**5.56**
Aroclor 1254	0.45	0.033	**13.64**

NA = Not Available

Table 5-25

Ecological Risk Assessment Summary
LMC Middle River Complex, Middle River, Maryland

Assessment Endpoint	Measurement Endpoint	Result
Ecological health of aquatic water column communities	Evaluation of surface water chemistry with respect to water quality criteria	• Mean EQs for 6 metals (4 total and 2 dissolved), 15 semi-volatile organic compounds, and 5 PCB Aroclors were > 1, indicating potential risk to aquatic water column communities. • Risks from 1 metal, 15 semi-volatile organic compounds, and 28 volatile organic compounds could not be determined due to the lack of toxicological information.
Ecological health of benthic invertebrate communities	Evaluation of sediment chemistry with respect to sediment screening values	• Mean EQs for 10 metals, 41 semi-volatile organic compounds, 3 volatile organic compounds, and 7 PCB Aroclors were > 1, indicating potential risk to benthic invertebrate communities. • Risks from 3 metals, 20 semi-volatile organic compounds, and 44 volatile organic compounds could not be determined due to the lack of toxicological information.
Long-term health and reproductive capacity of omnivorous aquatic avian species (Mallard duck)	Evaluation of dose in prey based on surface water and sediment data and dietary exposure models	• The NOAEL HQ for all COPCs was below 1.0 indicating acceptable risk. • Risks from four semi-volatile organic compounds and one volatile organic compound could not be determined due to the lack of toxicological information.
Long-term health and reproductive capacity of picivorous aquatic avian species (Belted kingfisher)	Evaluation of dose in prey based on surface water and sediment data and dietary exposure models	• The NOAEL HQ for all COPCs, except mercury and Aroclor 1260, was below 1.0 indicating acceptable risk. • LOAEL HQs for mercury and Aroclor 1260 were less than 1.0 indicating acceptable risk as no adverse effects are expected. • Risks from four semi-volatile organic compounds and one volatile organic compound could not be determined due to the lack of toxicological information.
Long-term health and reproductive capacity of picivorous aquatic avian species (Great blue heron)	Evaluation of dose in prey based on surface water and sediment data and dietary exposure models	• The NOAEL HQs for all COPCs except, mercury, hexachlorobenzene, and Aroclor 1260, were less than 1.0 indicating acceptable risk. • LOAEL HQs for hexachlorobenzene and Aroclors 1260 were less than 1.0 indicating acceptable risk as no adverse effects are expected. • LOAEL HQ for mercury were greater than 1.0 indicating possible risk to the great blue heron. • Risks from four semi-volatile organic compounds and one volatile organic compound could not be determined due to the lack of toxicological information.
Long-term health and reproductive capacity of omnivorous aquatic mammalian species (Raccoon)	Evaluation of dose in prey based on surface water and sediment data and dietary exposure models	• The NOAEL HQs for all COPCs, were below 1.0 indicating acceptable risk. • Risks from two semi-volatile organic compounds could not be determined due to the lack of toxicological information.

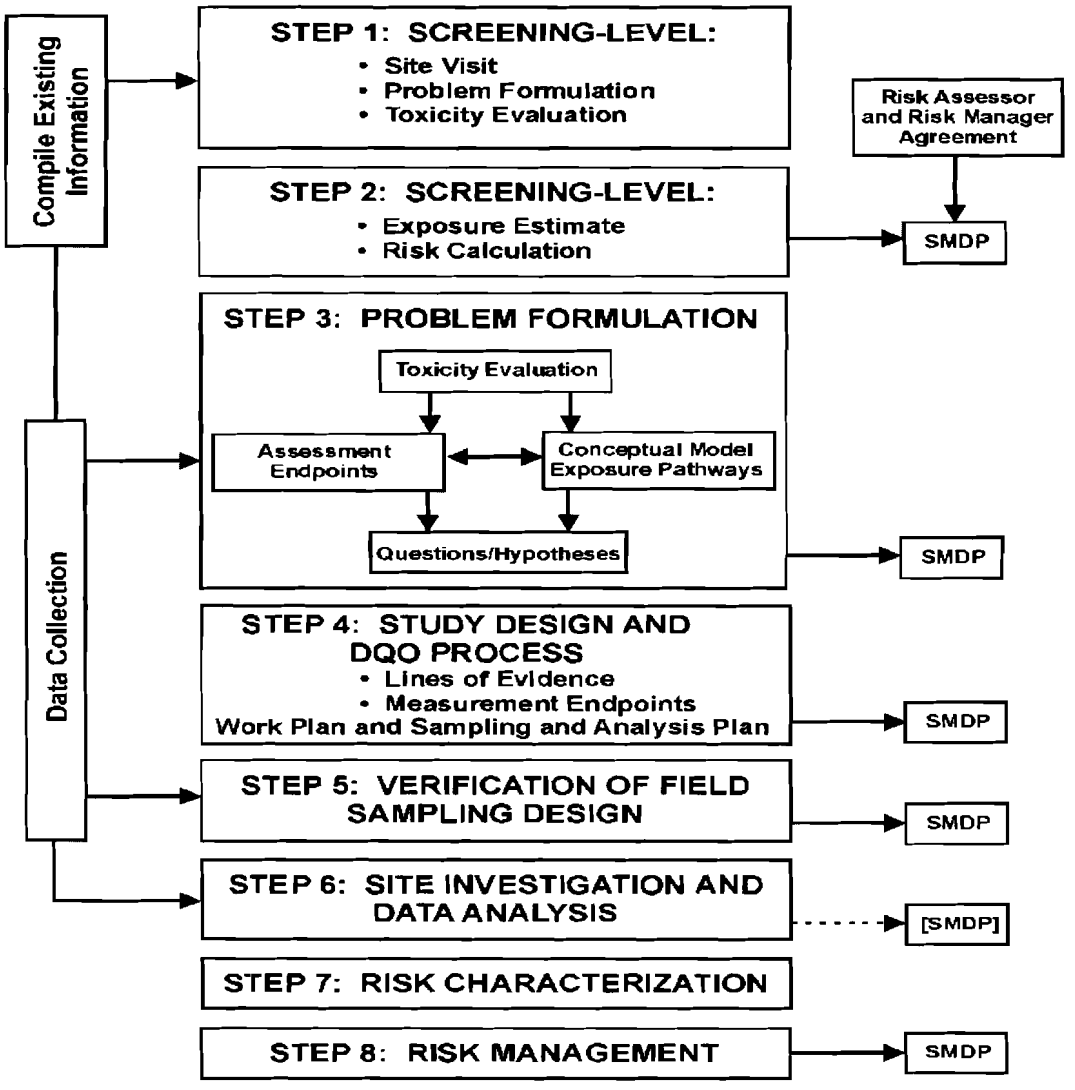

Figure 5-1. The EPA Eight-Step Ecological Risk Assessment Process for Superfund

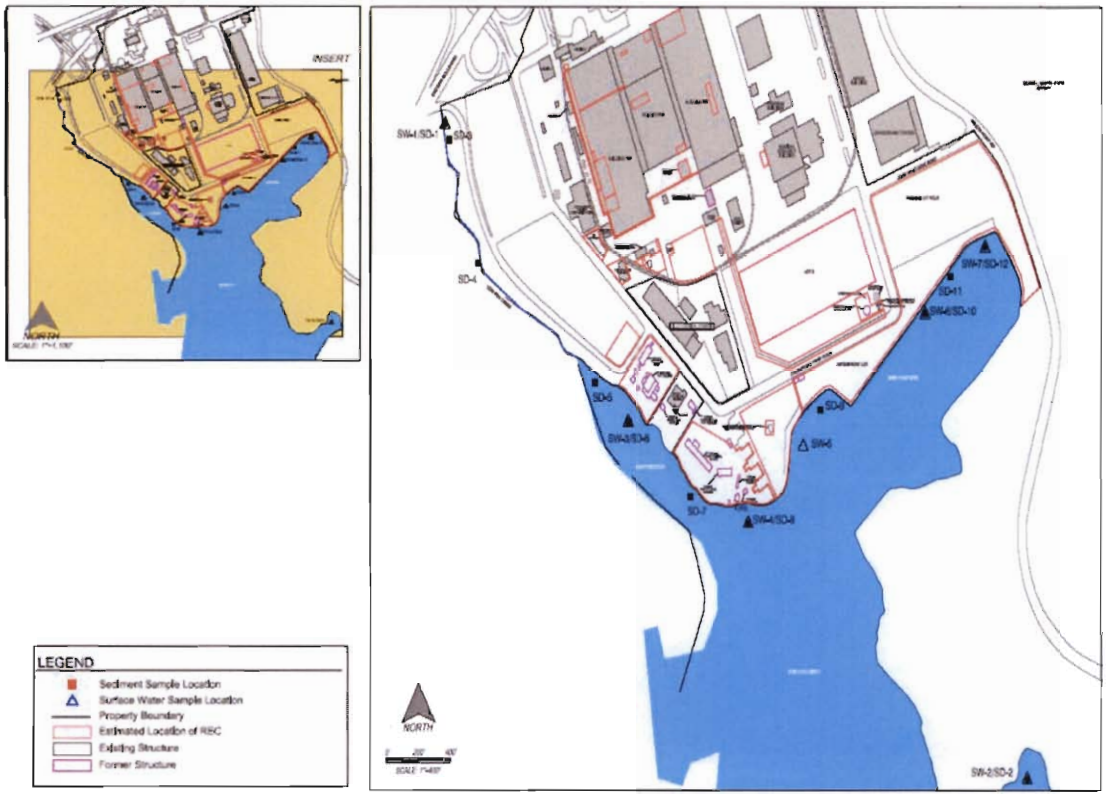

Figure 5-2. Map of LMMR study site with locations marked where surface water and sediment were sampled. Sampling was conducted in March and October 2005.

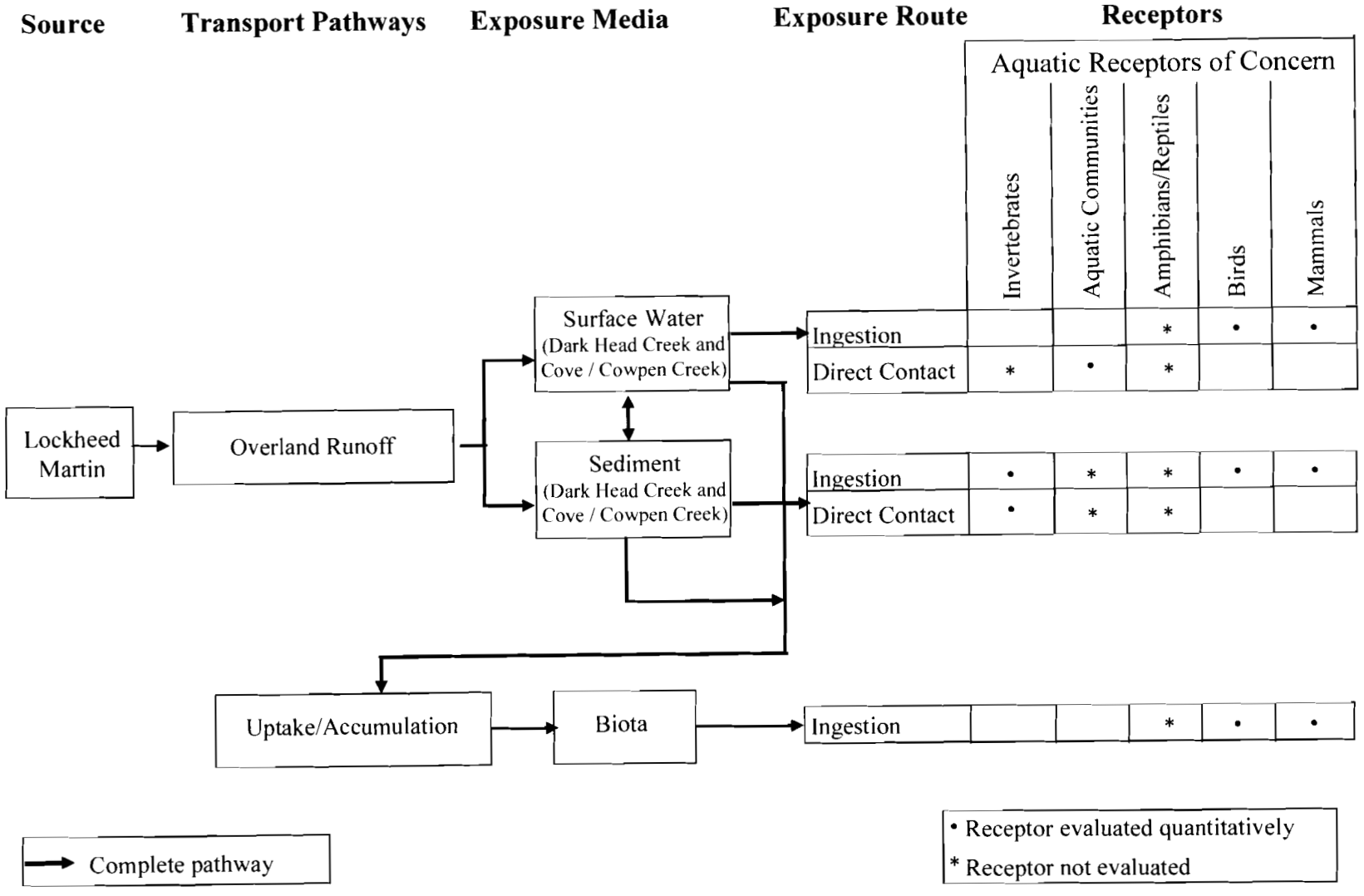

Figure 5-3. Conceptual site model for aquatic risk assessment at Lockheed Martin Middle River.

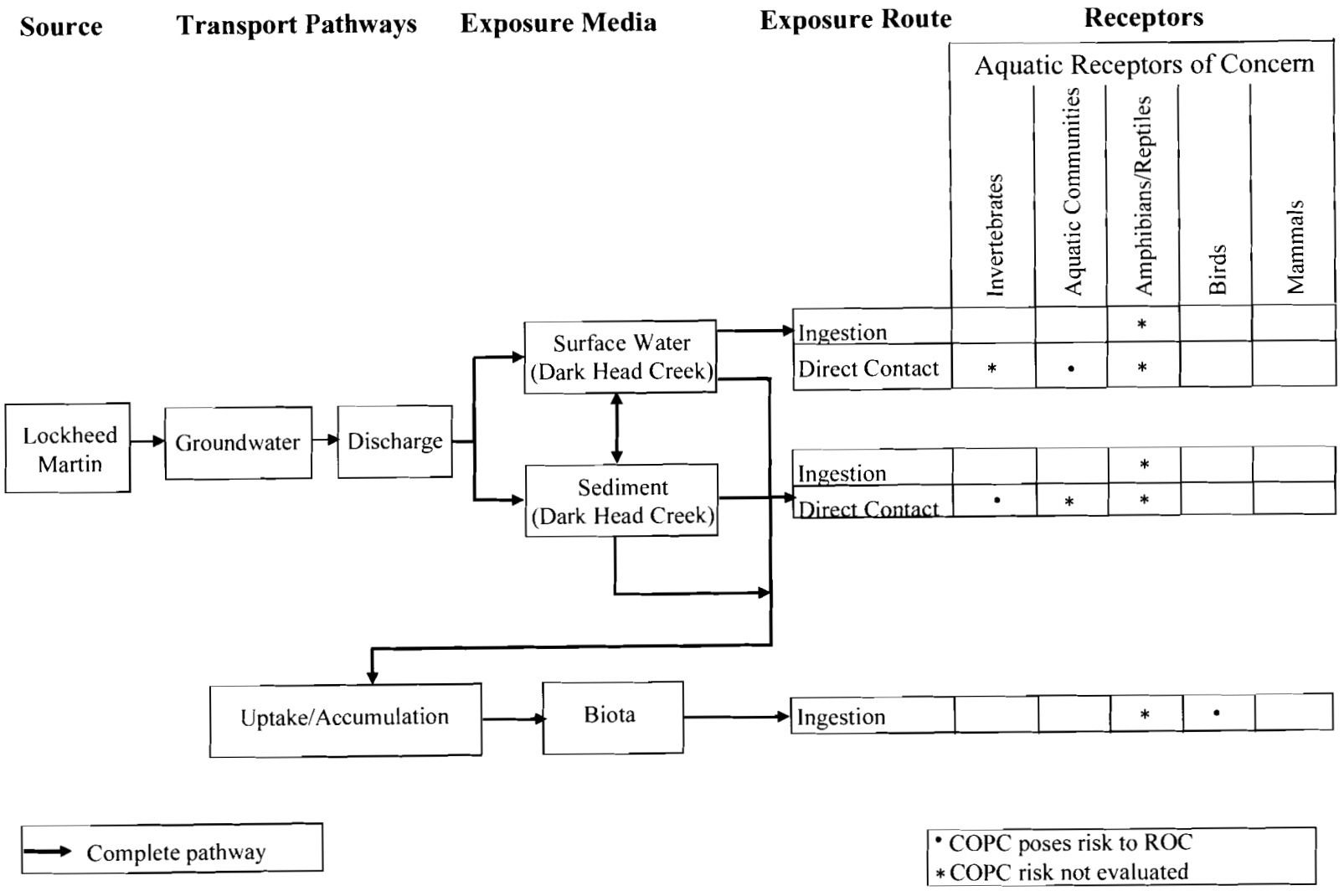

Figure 5-4. Summary of potential risks for ROC at Martin State Airport .

Section 6
Summary and Conclusions

6.1 Summary

Surface water and sediment sampling was performed on waterways adjacent to the Chesapeake Industrial Park. The objectives of the sampling events were as follows:

- To obtain analytical data to quantify the presence or absence of chemicals in the surface water bodies surrounding the waterfront area of the MRC.

- To quantify potential risks to human and ecological receptors in this area.

Chemical data for surface water and sediments was collected during two field events conducted in 2005. That data provides the basis for the HHRA and ERA for the area.

The HHRA determined that non-cancer risks are acceptable for both surface water and sediment because the calculated Hazard Index is less than 1.0. Potential carcinogenic risks for surface water are less than the MDE's threshold level of 1 X 10^{-5}. Potential carcinogenic risks for sediment are within the EPA's acceptable risk range of 1 x 10^{-4} to 1 x 10^{-6}, but exceed the MDE's threshold level of 1 X 10^{-5}. Therefore, additional consideration of contributing carcinogenic COPCs in sediment may be necessary. The primary contributors to carcinogenic risk in sediment include: arsenic, PAHs, and PCBs.

The ERA determined that the receptors potentially at risk are: lower trophic level organisms consisting of water-column communities as well as the benthic invertebrates; and upper trophic level organisms represented by the great blue heron through the food-web exposure model. One surface water COPC (cadmium) and five sediment COPCs (barium, silver, benzo(a)pyrene, benzo(g,h,I,)perylene, and indeno(1,2,3-cd)pyrene) are the primary contributing COPCs. Mercury

in the diet of the great blue heron was also identified as an ecological concern through food chain modeling.

6.2 Conclusions

Based on the human health and ecological risk assessments, additional consideration of the primary contributing COPCs maybe warranted. These include the following:

- Arsenic is identified as a potential human health risk concern in sediment. Arsenic is a naturally occurring metal and is typically found in soils and sediments in Maryland. To determine if additional action is warranted, the contribution of arsenic from background should be addressed. Typical sediment background concentrations may produce a potential carcinogenic risk of 1×10^{-5}.

- PAHs in sediment are identified as contributors to potential human health and ecological receptors. The most toxic PAH, benzo(a)pyrene, is associated with higher concentrations of PAHs located near the shore and at the far northeastern end of Dark Head Cove. It appears the adjacent land or more likely storm water outfalls in these locations are contributing the PAHs in sediment.

- PCBs are identified as potential human health risk concern in sediment. Elevated concentrations of PCBs are localized in Dark Head Cove in the vicinity of sample locations SD-9 and SD-27. Somewhat lower concentrations were detected in the sediments along the bulkhead extending from SD-22 to SD-13 and in some samples from the middle portion of Dark Head Cove.

- Cadmium was identified as a potential concern to ecological receptors in surface water. Barium, silver, benzo(a)pyrene, benzo(g,h,I,)perylene, and indeno(1,2,3-cd)pyrene were identified as contributing COPCs to ecological risk in sediment. Mercury in the diet of the great blue heron was also identified as an ecological concern.

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74. USDA, Sept. 1993. page 2-3

APPENDIX A - FIELD DATA SHEETS

APPENDIX B - ANALYTICAL SUMMARY TABLES

APPENDIX C - DATA VALIDATION MEMORANDUM

All Appendices are on the enclosed CD

APPENDIX A - FIELD DATA SHEETS

GPL LABORATORIES, LLLP

7210A Corporate Court
Frederick, MD 21703
(301) 694-5310
Fax (301) 620-0731

Contract #/Billing Reference:

1 of 1 Pgs.

Project: LMC- MIDDLE RIVER
Client: TETRA TECH
Send Results To: Brent Broderson
Address: 20251 Century Blvd.
Germantown, MD.
Phone: 301-528-3056

Sample ID#	Date Sampled	Time Sampled	Sample Matrix	Sampler's Initials	VOCs (8260B)	SVOCs (8270C)	PCBs (8082)	Total Pb, Antimony, Arsenic, Mercury, Zinc	CLIENT COMMENTS
Turnaround Time									
# of Containers					1	1	1		
Container Type					4oz.	8oz.	8oz.		
Preservative Used					ICE	ICE	ICE		
SD-1-031705	3/17/05	0930	SD	WP/BB	X	X	X		
SD-3-031705	"	1010	SD	WP/BB	X	X	X		
SD-04-031705	"	1230	SD	BB	X	X	X		

Lab Cooler No.:

Relinquished By:	Date/Time	Received By:	Relinquished By:	Received for Laboratory By:	Date/Time
[signature] III	3/17/05 1545	Solomon		Solomon	3/17/05 6:05 pm
Relinquished By:	Date/Time	Received By:	Date/Time / Shipper:	Airbill No.:	
Relinquished By:	Date/Time	Received By:	Lab Comments:	Temp: 7.0	

G.P. W.O. 503077

GPL LABORATORIES, LLLP

7210A Corporate Court
Frederick, MD 21703
(301) 694-5310
Fax (301) 620-0731

Contract #/Billing Reference:

1 of 1 Pgs.

Project: LMC - MIDDLE RIVER
Client: TTNUS
Send Results To: BRETT Bradersen
Address: 20251 Century Blvd.
GERMANTOWN, MD
Phone: 301-528-3056

Turnaround Time:

Sample ID#	Date Sampled	Time Sampled	Sample Matrix	Sampler's Initials	# of Containers	Container Type	Preservative Used	Type of Analysis: VOCs (8260B)	SVOCs (8270C)	PCBs (8082)	Total Met. Antimony Arsenic Barium Beryllium Cadmium Chromium Copper Lead Mercury Nickel Selenium Silver Thallium Zinc/Hg Cleanup	VOCs (8260B)	Lab Cooler No.	CLIENT COMMENTS
SD-7-Ø318Ø5	3/18/05	ØØ4Ø	SD	CCL/WP	1	8oz.	ICE	X	X	X				
SD-8-Ø318Ø5	"	Ø9ØØ	"	"	1	8oz.	ICE	X	X	X				
SD-9-Ø318Ø5	"	Ø92Ø	"	"	1	8oz.	ICE	X	X	X				
SD-2-Ø318Ø5	"	Ø935	"	"	1	8oz.	ICE	X	X	X				
SD-6-Ø318Ø5*	"	Ø95Ø	"	"	1	8oz.	ICE	X	X	X				* MS/MSD
SD-5-Ø318Ø5	"	1Ø15	"	"	1	8oz.	ICE	X	X	X				
SD-1Ø-Ø318Ø5	"	1Ø3Ø	"	"	1	8oz.	ICE	X	X	X				
SD-11-Ø318Ø5	"	1Ø5Ø	"	"	1	8oz.	ICE	X	X	X				
SD-12-Ø318Ø5	"	1115	"	"	1	8oz.	ICE	X	X	X				
TB-Ø318Ø5	3/18/05	ØØØØ	WATER	"	1	40mL VOA	HCL				X			

Relinquished By:	Date/Time	Received By:	Relinquished By:	Received for Laboratory By:	Date/Time
[signature]	3-18-05 1330	Solomon		Solomon	3/18/05 7:00
Relinquished By:	Date/Time	Received By:	Date/Time / Shipper:	Airbill No.:	
Relinquished By:	Date/Time	Received By:	Lab Comments:	Temp: 2.0	

G.P. W.O. 503054

Tetra Tech NUS, Inc.

SURFACE WATER SAMPLE LOG SHEET

Project Site Name: LMC Middle River SW/SD
Project No.: 112100076.0200

Sample ID No.: SW-1-031705
Sample Location: SW-1 (BKG)
Sampled By: BA/WP
C.O.C. No.:

[] Stream
[] Spring
[] Pond
[] Lake
[] Other: Creek
[] QA Sample Type:

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

SAMPLING DATA:

	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/l)	Salinity (%)	Other ORP
Date: 3/17/05								
Time: 0925								
Depth: Surface	Clear	7.23	624	5.93	25.0	11.76	NA	131
Method: Direct Pour								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs (8260B)	4°C; HCl	3 40ml VOAs	
SVOCs (8270C)	4°C	2 1-liter Ambers	
Total Priority Pollutant Metals	4°C; HNO_3	1 1-liter poly	
Dissolved T.C. Priority Pollut. Metals	4°C; HNO_3	1 1-liter poly	
PCBs (8082)	4°C	2 1-liter poly	
Hex. Chromium (7196A)	4°C	1 ~~1-liter~~ poly 1-250ml	

OBSERVATIONS / NOTES:

MAP:

Circle if Applicable:

MS/MSD | Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SURFACE WATER SAMPLE LOG SHEET

Project Site Name: CMC Middle River SW/SD
Project No.: 112100076.0200

Sample ID No.: SW-2-031705
Sample Location: SW-2
Sampled By: cc/wp
C.O.C. No.:

[] Stream
[] Spring
[] Pond
[] Lake
[X] Other: creek
[] QA Sample Type:

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

SAMPLING DATA:

Date: 3/17/05 Time: 1227 Depth: 1' Below water surface Method: Grab	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/l)	Salinity (%)	Other
	clear	7.76	2.708	6.44	4.8	12.50	NA	—

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs (8260B)	4°C; HCl	3 40ml VOAs	3
SVOCs (8270C)	4°C	2 1-liter Ambers	2
Total Priority Pollutant Metals	4°C; HNO_3	1 1-liter poly	1
Dissolved T.C. Priority Pollut. Metals	4°C; HNO_3	1 1-liter poly	1
PCBs (8082)	4°C	2 1-liter poly	2
Hex. Chromium (7196A)	4°C	1 ~~1-liter~~ poly 1-250ml	1

OBSERVATIONS / NOTES:

N/A

MAP:

As shown on Fig. 1.

Circle if Applicable:

MS/MSD

Duplicate ID No.:

Signature(s):

Charles C. Pugh III

Tetra Tech NUS, Inc.

SURFACE WATER SAMPLE LOG SHEET

Project Site Name: CMC Middle River SW/SD
Project No.: 112100076.0200

Sample ID No.: SW-3-031705
Sample Location: SW-3
Sampled By: CC/WP
C.O.C. No.:

[] Stream
[] Spring
[] Pond
[] Lake
[X] Other: CREEK
[] QA Sample Type:

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

SAMPLING DATA:

	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/l)	Salinity (%)	~~Other~~ ORP
Date: 3/17/05								
Time: 1430								
Depth: 1' Below water	clear	8.08	2.47	6.54	5.4	12.88	NA	243.5
Method: Grab								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs (8260B)	4°C; HCl	3 40ml VOAs	3x3=9
SVOCs (8270C)	4°C	2 1-liter Ambers	3x2=6
Total Priority Pollutant Metals	4°C; HNO_3	1 1-liter poly	3x1=3
Dissolved T.C. Priority Pollut. Metals	4°C; HNO_3	1 1-liter poly	3x1=3
PCBs (8082)	4°C	2 1-liter poly	3x2=6
Hex. Chromium (7196A)	4°C	1 ~~1-liter~~ poly 1-250ml	3x1=3

OBSERVATIONS / NOTES:

MS/MSD Collected Here

MAP:

As shown on Fig. 1.

Circle if Applicable:
MS/MSD
Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SURFACE WATER SAMPLE LOG SHEET

Project Site Name: CMC Middle River SW/SD
Project No.: 112100076.0200

Sample ID No.: SW-4-031705
Sample Location: SW-4
Sampled By: CA/WP
C.O.C. No.:

[] Stream
[] Spring
[] Pond
[] Lake
[X] Other: CREEK
[] QA Sample Type:

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

SAMPLING DATA:

Date: 3/17/05 Time: 1400 Depth: 1' Below Surface Method: Grab	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/l)	Salinity (%)	Other ORP
	Clear	8.23	2.66	6.04	3.4	13.43	N/A	246.1

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs (8260B)	4°C; HCl	3 40ml VOAs	3
SVOCs (8270C)	4°C	2 1-liter Ambers	2
Total Priority Pollutant Metals	4°C; HNO_3	1 1-liter poly	1
Dissolved T.O Priority Pollut. Metals	4°C; HNO_3	1 1-liter poly	1
PCBs (8082)	4°C	2 1-liter poly	2
Hex. Chromium (7196A)	4°C	1 ~~1-liter~~ poly 1-250ml	1

OBSERVATIONS / NOTES:

N/A

MAP:

As shown on Fig. 1.

Circle if Applicable:

MS/MSD — Duplicate ID No.:

Signature(s):

Charles C. Smith III

Tetra Tech NUS, Inc.

SURFACE WATER SAMPLE LOG SHEET

Project Site Name: LMC Middle River SW/SD
Project No.: 112100076.0200

Sample ID No.: SW-5-031705
Sample Location: SW-5
Sampled By: CC/TWP
C.O.C. No.:

[] Stream
[] Spring
[] Pond
[] Lake
[X] Other: Creek
[] QA Sample Type:

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

SAMPLING DATA:

Date: 3/17/05 Time: 1320 Depth: 1' Below Water Method: GRAB	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/l)	Salinity (%)	~~Other~~ ORP
	Clear	8.21	2.63	5.78	3.2	13.78	NA	241.3

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs (8260B)	4°C; HCl	3 40ml VOAs	3
SVOCs (8270C)	4°C	2 1-liter Ambers	2
Total Priority Pollutant Metals	4°C; HNO_3	1 1-liter poly	1
Dissolved T.C. Priority Pollut. Metals	4°C; HNO_3	1 1-liter poly	1
PCBs (8082)	4°C	2 1-liter poly	2
Hex. Chromium (7196A)	4°C	1 ~~1-liter~~ poly 1-250ml	1

OBSERVATIONS / NOTES:

N/A

MAP:

As Shown on Fig. 1.

Circle if Applicable:
MS/MSD
Duplicate ID No.:

Signature(s):
Arthur C. Lacy III

Tetra Tech NUS, Inc.

SURFACE WATER SAMPLE LOG SHEET

Project Site Name: CMC Middle River SW/SD
Project No.: 112100076.0200

Sample ID No.: SW-6-431745
Sample Location: SW-6
Sampled By: CCL/WP
C.O.C. No.:

[] Stream
[] Spring
[] Pond
[] Lake
[X] Other: Creek
[] QA Sample Type:

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

SAMPLING DATA:

	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/l)	Salinity (%)	~~Other~~ ORP
Date: 3/17/05								
Time: 1305								
Depth: 1' Below Water	3.7	8.07	2.65	6.03	3.9	13.22	N/A	243.5
Method: GRAB								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs (8260B)	4°C; HCl	3 40ml VOAs	3
SVOCs (8270C)	4°C	2 1-liter Ambers	2
Total Priority Pollutant Metals	4°C; HNO_3	1 1-liter poly	1
Dissolved T.C. Priority Pollut. Metals	4°C; HNO_3	1 1-liter poly	1
PCBs (8082)	4°C	2 1-liter poly	2
Hex. Chromium (7196A)	4°C	1 ~~1-liter~~ poly 1-250ml	1

OBSERVATIONS / NOTES:

N/A

MAP:

As Shown on Fig. 1.

Circle if Applicable:

MS/MSD ✓ Duplicate ID No.:

Signature(s):

Charles C. Pugh III

Tetra Tech NUS, Inc.

SURFACE WATER SAMPLE LOG SHEET

Project Site Name: CMC Middle River SW/SD
Project No.: 112100076.0200

Sample ID No.: SW-7-031705
Sample Location: SW-7
Sampled By: CWP
C.O.C. No.:

[] Stream
[] Spring
[] Pond
[] Lake
[X] Other: Creek
[] QA Sample Type:

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

SAMPLING DATA:

Date: 3/17/05 Time: 1249 Depth: 1' Below Water Ice Method: Grab	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/l)	Salinity (%)	Other
	Clear	8.00	2.61	6.10	3.3	13.27	N/A	—

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs (8260B)	4°C; HCl	3 40ml VOAs	3
SVOCs (8270C)	4°C	2 1-liter Ambers	2
Total Priority Pollutant Metals	4°C; HNO_3	1 1-liter poly	1
Dissolved T.C. Priority Pollut. Metals	4°C; HNO_3	1 1-liter poly	1
PCBs (8082)	4°C	2 1-liter poly	2
Hex. Chromium (7196A)	4°C	1 ~~1-liter~~ poly 1-250ml	1

OBSERVATIONS / NOTES:

N/A

MAP:

As Shown in Fig. 1.

Circle if Applicable:

MS/MSD

Duplicate ID No.:

Signature(s):

Chad C. Wyatt

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: LMC Middle Rivers SW/SD
Project No.: 112100076.0200

Sample ID No.: SD-1-031705
Sample Location: SD-1
Sampled By: BTB/WP
C.O.C. No.:

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

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

GRAB SAMPLE DATA:

Date: 3/17/05	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 0930	0-6"	grey Brown	silty SAND to SAND (m-grns), wet some pebbles some organics (leaves)
Method: trowel/ponar			
Monitor Reading (ppm): NA			

COMPOSITE SAMPLE DATA:

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

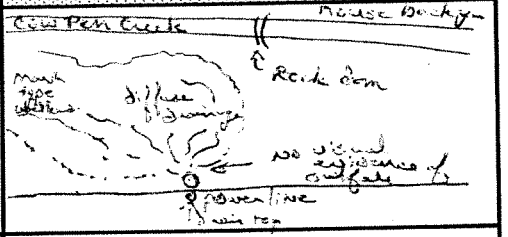
SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
VOCs (8260B)	1 4oz soil		
SVOCs (8270C)	1 8oz soil		
Total Priority Pollutant Metals			
Diss Priority Pollutant Metals			
PCBs (8082)	1 8oz soil		
Hex. Chromium			

OBSERVATIONS / NOTES:

organic film on water (stagnant water)
minor debris (household trash) present
lots of household debris to the south
Taken from depositional area just downgradient of rock dam
collected w/ SW-1

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: LMC Middle Rivers SW/SD
Project No.: 112100076.0200

Sample ID No.: SD-2-031805
Sample Location: SD-2
Sampled By: CCL/WP
C.O.C. No.:

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

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

GRAB SAMPLE DATA:

Date: 3/18/05	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 0935	3'	Black	Silty SAND with organics (leaves, roots).
Method: Trowel/Ponar			
Monitor Reading (ppm): N/A			

COMPOSITE SAMPLE DATA:

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

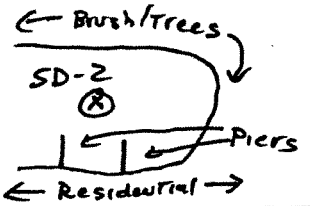
SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
VOCs (8260B)	1 4oz soil	1	
SVOCs (8270C)			
~~total~~ Priority Pollutant Metals	1 8oz soil	1	
~~Diss~~ Priority Pollutant Metals			
PCBs (8082)	1 8oz soil	1	
Hex. Chromium			

OBSERVATIONS / NOTES:

Sediment Sample located 3' below water level.

MAP:



Circle if Applicable:

MS/MSD

Duplicate ID No.:

Signature(s):

C. [illegible] III

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: LMC Middle Rivers SW/SD
Project No.: 112100076.0200

Sample ID No.: SD-03-03/705
Sample Location: SD-03
Sampled By: BB / WP
C.O.C. No.:

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

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

GRAB SAMPLE DATA:

Date: 3/17/05	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 1010	0-6"	Grey Brown	silty SAND (f- med), wet organics & leaves, scrap metal, plastic
Method: Trowel/Pansa			
Monitor Reading (ppm): NA			

COMPOSITE SAMPLE DATA:

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

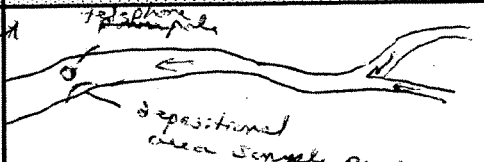
SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
VOCs (8260B)	1 4oz soil	✓	
SVOCs (8270C)	1 8oz soil	✓	
~~Total Priority Pollutant Metals~~			
~~Diss Priority Pollutant Metals~~			
PCBs (8082)	1 8oz soil	✓	
Hex. Chromium			

OBSERVATIONS / NOTES:

collected from first depositional area downgrad of discharge point.
Creek - 3 ft wide & 0.5' deep water
plastic, scrap metal, plastic, styro foam, telephone ~~sample~~ adjacent to sample point (2 ft away)

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Brett Brown

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: LMC Middle Lives SW/SD
Project No.: 112100076.0200

Sample ID No.: SD-04-031705
Sample Location: SD-04
Sampled By: BB
C.O.C. No.:

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

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

GRAB SAMPLE DATA:

Date: 3/17/05	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 1230	0-6"	Brown	Silty SAND (f-m grned) w/ dg. gravels (>2" diameter), concrete, tile, org detritus
Method: Trowel/Pan			
Monitor Reading (ppm): NA			

COMPOSITE SAMPLE DATA:

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

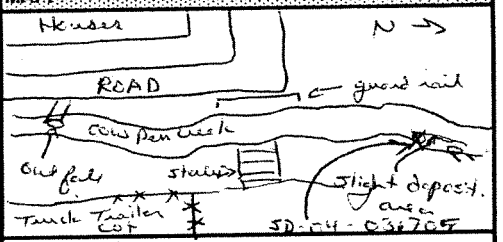
SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
VOCs (8260B)	1 4oz soil	✓	
SVOCs (8270C)	1 8oz soil	✓	
~~total~~ Priority Pollutant Metals			
~~Diss~~ Priority Pollutant Metals			
PCBs (8082)	1 8oz soil	✓	
Hex. Chromium			

OBSERVATIONS / NOTES:

Sample collected ~ 5 ft SW of outfall - only deposit. area in ~ 500 ft
~~Background~~ Area - shallow (<2"), red oxid precip? No veg.
Cow Pen Creek = 3 to 4 ft. wide, good flow ~ 0.5' deep

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

Brett Broders

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: LMC Middle Lives SW/SD
Project No.: 112100076.0200

Sample ID No.: SD-S-031805
Sample Location: SD-S
Sampled By: CCL/WP
C.O.C. No.:

- [ ] Surface Soil
- [ ] Subsurface Soil
- [x] Sediment
- [ ] Other:
- [ ] QA Sample Type:

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

GRAB SAMPLE DATA:

Date: 3/18/05	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 1015	1'	Black	Silty SAND w/some Organics (leaves, Roots).
Method: Trowel/Ponar			
Monitor Reading (ppm): N/A			

COMPOSITE SAMPLE DATA:

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

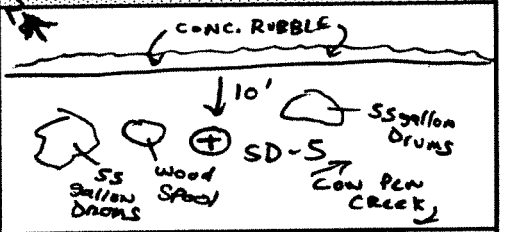
SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
VOCs (8260B)	1 4oz soil	1	
SVOCs (8270C)	1 8oz soil	1	
~~Diss Priority Pollutant Metals~~			
PCBs (8082)	1 8oz soil	1	
Hex. Chromium			

OBSERVATIONS / NOTES:

Sediment Sample collected @ 1' Below Water Surface.

MAP:



Circle if Applicable:

MS/MSD | Duplicate ID No.:

Signature(s):

Mark C. Tyler III

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: LMC Middle Rives SW/SD
Project No.: 112100076.0200

Sample ID No.: SD-6-031805
Sample Location: SD-6
Sampled By: CCL/WP
C.O.C. No.:

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

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

GRAB SAMPLE DATA:

Date: 3/18/05	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 0950	1'	Black	Silty SAND w/ organics (leaves, roots)
Method: Trowel/Ponar			
Monitor Reading (ppm): N/A			

COMPOSITE SAMPLE DATA:

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

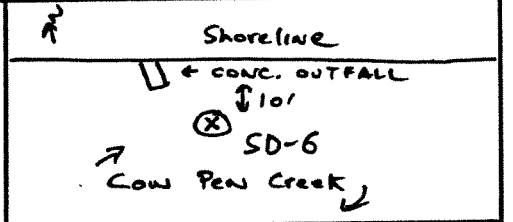
SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
VOCs (8260B)	1 4oz soil	1x3 = 3	
SVOCs (8270C)			
total Priority Pollutant Metals	1 8oz soil	1x3 = 3	
~~Diss Priority Pollutant Metals~~			
PCBs (8082)	1 8oz soil	1x3 = 3	
Hex. Chromium			

OBSERVATIONS / NOTES:

MS/MSD collected Here
Sediment Sample collected @ 1' Beneath Water Surface.

MAP:



Circle if Applicable: MS/MSD

Duplicate ID No.:

Signature(s):

Carl C. Ingram III

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: LMC Middle Rives SW/SD
Project No.: 112100076.0200

Sample ID No.: SD-7-031805
Sample Location: SD-7
Sampled By: cel/wp
C.O.C. No.:

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

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

GRAB SAMPLE DATA:

Date: 3/18/05	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 0840	2'	Black	Silty SAND w/ some organics (leaves, roots).
Method: Trowel/Ponar			
Monitor Reading (ppm): NA			

COMPOSITE SAMPLE DATA:

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

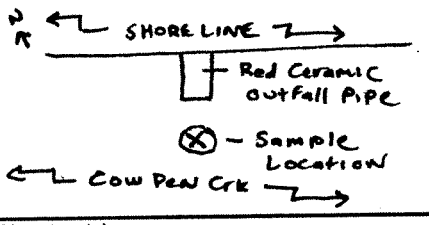
SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
VOCs (8260B)	1 4oz soil	1	
SVOCs (8270C)			
Total Priority Pollutant Metals	1 8oz soil	1	
~~Diss Priority Pollutant Metals~~			
PCBs (8082)	1 8oz soil	1	
Hex. Chromium			

OBSERVATIONS / NOTES:

Depth To Sediment was 2' Below Water Surface

MAP:



Circle if Applicable:

MS/MSD

Duplicate ID No.:

Signature(s):

Charles C. Ivy III

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: LMC Middle Rivers SW/SD
Project No.: 112100076.0200

Sample ID No.: SD-8-031805
Sample Location: SD-8
Sampled By: CCL/WD
C.O.C. No.:

- [ ] Surface Soil
- [ ] Subsurface Soil
- [x] Sediment
- [ ] Other:
- [ ] QA Sample Type:

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

GRAB SAMPLE DATA:

Date	Time	Method	Monitor Reading (ppm)	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
3/18/05	0900	Trowel/Ponar	N/A	4'	Black	SLTY SAND w/ organic material (leaves, roots)

COMPOSITE SAMPLE DATA:

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

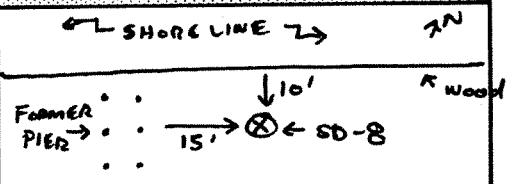
SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
VOCs (8260B)	1 4oz soil	1	
SVOCs (8270C)			
Total Priority Pollutant Metals	1 8oz soil	1	
Diss Priority Pollutant Metals			
PCBs (8082)	1 8oz soil	1	
Hex. Chromium			

OBSERVATIONS / NOTES:

Sample Sediment 4' Below Water Surface

MAP:



Circle if Applicable:

MS/MSD | Duplicate ID No.:

Signature(s):

John C. Dy III

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: LMC Middle Lives SW/SD
Project No.: 112100076.0200

Sample ID No.: SD-9-0318ØS
Sample Location: SD-9
Sampled By: ccl/wp
C.O.C. No.:

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

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

GRAB SAMPLE DATA:

Date: 3/18/ØS	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: Ø92Ø	6'	Black	Silty SAND w/some organics (leaves & roots)
Method: Trowel/Penar			
Monitor Reading (ppm): N/A			

COMPOSITE SAMPLE DATA:

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

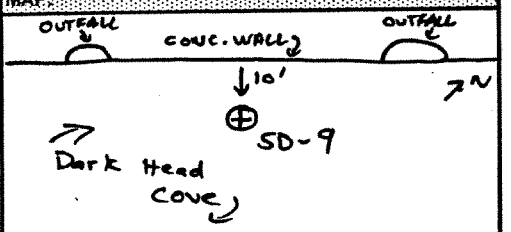
SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
VOCs (8260B)	1 4oz soil	1	
SVOCs (8270C)	1 8oz soil	1	
Total Priority Pollutant Metals			
Diss Priority Pollutant Metals			
PCBs (8082)	1 8oz soil	1	
Hex. Chromium			

OBSERVATIONS / NOTES:

Sediment Sample collected 6' Below Water Surface

MAP:



Circle if Applicable:

MS/MSD | Duplicate ID No.:

Signature(s):

C. [illegible] III

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: LMC Middle Rivers SW/SD
Project No.: 112100076.0200

Sample ID No.: SD-10-031805
Sample Location: SD-10
Sampled By: CCL/WP
C.O.C. No.:

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

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

GRAB SAMPLE DATA:

Date: 3/18/05	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 1030	3'	Black	Silty Sand w/ some Organics (Leaves, Roots).
Method: Trowel/Ponar			
Monitor Reading (ppm): NA			

COMPOSITE SAMPLE DATA:

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

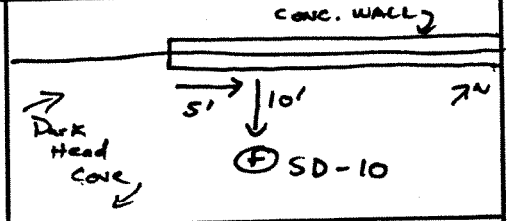
SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
VOCs (8260B)	1 4oz soil	1	
SVOCs (8270C)	1 8oz soil	1	
total Priority Pollutant Metals			
Diss Priority Pollutant Metals			
PCBs (8082)	1 8oz soil	1	
Hex. Chromium			

OBSERVATIONS / NOTES:

Sediment Sample collected @ 3' Below Water Surface

MAP:



Circle if Applicable:

MS/MSD | Duplicate ID No.:

Signature(s):

C. Smith

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: LMC Middle Rivers SW/SD
Project No.: 112100076.0200

Sample ID No.: SD-11-0318@5
Sample Location: SD-11
Sampled By: CCL/WP
C.O.C. No.:

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

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

GRAB SAMPLE DATA:

Date: 3/18/05	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 1050	4'	Black	Silty SAND w/ organics (Roots, leaves).
Method: Trowel/Panar			
Monitor Reading (ppm): N/A			

COMPOSITE SAMPLE DATA:

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

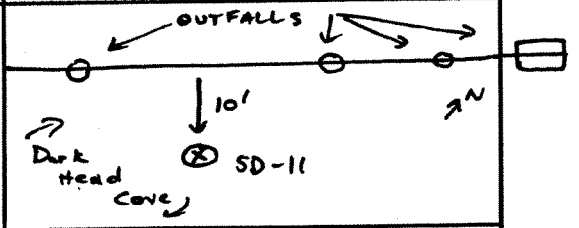
SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
VOCs (8260B)	1 4oz soil	1	
SVOCs (8270C)	1 8oz soil	1	
total Priority Pollutant Metals			
~~Diss Priority Pollutant Metals~~			
PCBs (8082)	1 8oz soil	1	
Hex. Chromium			

OBSERVATIONS / NOTES:

Sediment Sample Collected @ 4' Below Water Surface.

MAP:



Circle if Applicable:

MS/MSD | Duplicate ID No.:

Signature(s):

Paul C. Price III

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: LMC Middle Rivers SW/SD
Project No.: 112100076.0200

Sample ID No.: SD-12-031805
Sample Location: SD-12
Sampled By: CCL/WP
C.O.C. No.:

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

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

GRAB SAMPLE DATA:

Date: 3/18/05	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 1115	3'	Black	Silty Sand w/Some Organics (leaves, roots)
Method: Trowel/Ponar			
Monitor Reading (ppm): N/A			

COMPOSITE SAMPLE DATA:

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

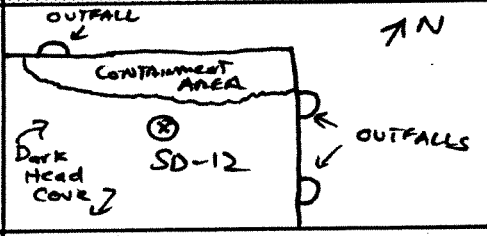
SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
VOCs (8260B)	1 4oz soil	1	
SVOCs (8270C)			
Total Priority Pollutant Metals	1 8oz soil	1	
Diss Priority Pollutant Metals			
PCBs (8082)	1 8oz soil	1	
Hex. Chromium			

OBSERVATIONS / NOTES:

Sediment Sample collected @ 3' Below water Surface.

MAP:



Circle if Applicable:

MS/MSD

Duplicate ID No.:

Signature(s):

John C. Tyll

Katahdin
ANALYTICAL SERVICES
340 County Road No. 5
P.O. Box 720
Westbrook, ME 04092
Tel: (207) 874-2400
Fax: (207) 775-4029

CHAIN of CUSTODY

PLEASE BEAR DOWN AND PRINT LEGIBLY IN PEN

Client	Contact	Phone #	Fax #
Tetra Tech INC	Dave Petges	(301) 528-3163	( )

Address	City	State	Zip Code
20251 Century Blvd	Germantown	MD	20874

Purchase Order #	Proj. Name / No.	Katahdin Quote #

Bill (if different than above)	Address

Sampler (Print / Sign)	Copies To:
FRED KOLBERG FJK	

LAB USE ONLY

WORK ORDER #:

KATAHDIN PROJECT NUMBER

REMARKS:

SHIPPING INFO: ❒ FED EX ❒ UPS ❒ CLIENT

AIRBILL NO:

TEMP°C ____ ❒ TEMP BLANK ❒ INTACT ❒ NOT INTACT

*	Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	ANALYSIS AND CONTAINER TYPE PRESERVATIVES: Filt. ❒Y ❒N — Vocs	Svocs	PCBs	Hex Chrome	Total Metals ppm	Diss. ppm
	TB102005	10-20-05 / 1145	Water	2	✓					
	SW-08-102005	/ 1110		10	X	X	X	X	X	X
	SW-09-102005	/ 1120		10	X	X	X	X	X	X
	SW-10-102005	/ 1130		10	X	X	X	X	X	X
	SW-11-102005	/ 1150		10	X	X	X	X	X	X
	SW-12-102005	/ 1210		10	X	X	X	X	X	X
	SW-13-102005	/ 1220		10	X	X	X	X	X	X
	SW-14-102005	/ 1240		10	X	X	X	X	X	X
	SW-15-102005	/ 1250		10	X	X	X	X	X	X
	SW-16-102005	/ 1300		10	X	X	X	X	X	X
	SW-17-102005	/ 1315		30	X	X	X	X	X	X
		/								
		/								
		/								
		/								
		/								

Filt. ❒Y ❒N	Filt. ❒Y ❒N	Filt. ❒Y ❒N	Filt. ❒Y ❒N	Filt. ❒Y ❒N	Filt. ❒Y ❒N	Filt. ❒Y ❒N	Filt. ❒Y ❒N	Filt. ❒Y ❒N	Filt. ❒Y ❒N
							*	MS	MSD

COMMENTS

10-20-05

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
	1800				
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)

Katahdin
ANALYTICAL SERVICES
340 County Road No. 5
P.O. Box 720
Westbrook, ME 04092
Tel: (207) 874-2400
Fax: (207) 775-4029

CHAIN of CUSTODY

PLEASE BEAR DOWN AND PRINT LEGIBLY IN PEN

Client	Contact	Phone #	Fax #
Tetra Tech NUS, Inc.	Mike Martin	(301) 528-3022	(301) 528 3000

Address	City	State	Zip Code
20251 Century Blvd	Germantown	Md	20874

Purchase Order #	Proj. Name / No.	Katahdin Quote #
	LMC - MRC	

Bill (if different than above)	Address
AS ABOVE	AS ABOVE

Sampler (Print / Sign)	Copies To:
FRED KULBERG	

LAB USE ONLY WORK ORDER #:

KATAHDIN PROJECT NUMBER

REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT

AIRBILL NO:

TEMP°C ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE / PRESERVATIVES

*	Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	Filt. ☐Y ☒N 2 oz GLASS VOCs	Filt. ☐Y ☒N 8 oz GLASS SVOCs	Filt. ☐Y ☒N PCBs	Filt. ☐Y ☒N P.P. METALS + 4 oz GLASS → Cr+6	Filt. ☐Y ☒N	Filt. ☐Y ☒N P.P. METALS	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N
	SD-13-SS	11/2/05 14:30	SED.	3	✓	✓	✓	✓	✓					
	SD-13-Ø1	/ 15:30			✓	✓	✓	✓	✓					
	SD-13-Ø2	/ 15:45			✓	✓	✓	✓	✓					
	SD-14-SS	/ 16:00			✓	✓	✓	✓	✓					
	SD-14-Ø1	/ 16:10			✓	✓	✓	✓	✓					
	SD-14-Ø2	/ 16:30			✓	✓	✓	✓	✓					
	SD-16-SS	/ 16:50			✓	✓	✓	✓	✓					
	SD-16-Ø1	/ 17:00			✓	✓	✓	✓	✓					
	SD-16-Ø2	/ 17:10	↓	↓	✓	✓	✓	✓	✓					
	TB102005A	11/2/05 11:45	H2O	1	✓									
	Temp Blank	— / —	H2O	1										
		/												
		/												
		/												
		/												
		/												

COMMENTS

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
FRED KULBERG	11/2/05 18:00	FedEx			
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)

THE TERMS AND CONDITIONS ON THE REVERSE SIDE HEREOF SHALL GOVERN SERVICES, EXCEPT WHEN A SIGNED CONTRACTUAL AGREEMENT EXISTS.

CUSTOMER COPY

Katahdin ANALYTICAL SERVICES
340 County Road No. 5
P.O. Box 720
Westbrook, ME 04092
Tel: (207) 874-2400
Fax: (207) 775-4029

CHAIN of CUSTODY

PLEASE BEAR DOWN AND PRINT LEGIBLY IN PEN

Client	Contact	Phone #	Fax #
Tetra Tech NUS, Inc.	Mike Martin	(301) 528 3033	(301) 528 3000

Address	City	State	Zip Code
20251 Century Blvd	Germantown	Md	20874

Purchase Order # | Proj. Name / No. LMC - MRC | Katahdin Quote #

Bill (if different than above) SAME AS ABOVE | Address

Sampler (Print / Sign) Fred Kolberg FJK | Copies To:

LAB USE ONLY WORK ORDER #: 5

KATAHDIN PROJECT NUMBER

REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT

AIRBILL NO:

TEMP°C ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

*	Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	ANALYSIS AND CONTAINER TYPE / PRESERVATIVES: VOCs 3 oz Glass/Vial (Filt. ☐Y ☒N)	P.P. metals Cntr 4 oz. Glass (Filt. ☐Y ☒N)	TOC (Filt. ☐Y ☒N)	SVOCs PCBs 8 oz Glass (Filt. ☐Y ☒N)	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐I
	SD-15-SS	10/21/05 /13:20	SED	3	✓	✓		✓						
	SD-17-SS	/11:30			✓	✓	✓	✓						
	SD-18-SS	/12:50			✓	✓		✓						
	SD-19-SS	/9:45			✓	✓	✓	✓						
	SD-19-01	/10:00			✓	✓	✓	✓						
	SD-19-02	/10:15			✓	✓	✓	✓						
	SD-20-SS	/13:00			✓	✓		✓						
	SD-21-SS	/11:25			✓	✓		✓						
	SD-22-SS	/13:10			✓	✓		✓						
	SD-23-SS	/12:40			✓	✓	✓	✓						
	SD-24-SS	/11:50			✓	✓		✓						
	SD-25-SS	/11:20		6	✓	✓	✓	✓	+ MS/MSD Volumes					
	SD-26-SS	/12:30		3	✓	✓		✓						
	SD-27-SS	/11:15		6	✓	✓	✓	✓	+ MS/MSD Volumes					
	SD-27-01	/11:20		3	✓	✓		✓						
	SD-27-02	/11:25		3	✓	✓		✓						

COMMENTS

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
FJK 10/21/05	10/21/05 15:00				
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)

Katahdin
ANALYTICAL SERVICES
340 County Road No. 5
P.O. Box 720
Westbrook, ME 04092
Tel: (207) 874-2400
Fax: (207) 775-4029

CHAIN of CUSTODY

PLEASE BEAR DOWN AND PRINT LEGIBLY IN PEN

Client	Contact	Phone #	Fax #
Tetra Tech NUS, Inc.	Mike Martin	(301) 528 3033	(301) 528 3000

Address	City	State	Zip Code
20251 Century Blvd	Germantown	Md	20874

Purchase Order #	Proj. Name / No.	Katahdin Quote #

Bill (if different than above)	Address
As Above	

Sampler (Print / Sign)	Copies To:
Fred Kolbert FMK	

LAB USE ONLY WORK ORDER #:

KATAHDIN PROJECT NUMBER

REMARKS:

SHIPPING INFO: ❒ FED EX ❒ UPS ❒ CLIENT

AIRBILL NO:

TEMP°C ❒ TEMP BLANK ❒ INTACT ❒ NOT INTACT

*	Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	ANALYSIS AND CONTAINER TYPE PRESERVATIVES									
					Filt. ❒Y ☒N VOCs 2oz/40z Glass	Filt. ❒Y ☒N P.P. METALS + CN 4oz. Glass →	Filt. ❒Y ☒N TOC	Filt. ❒Y ☒N SVOCs PCBs 8 oz Glass	Filt. ❒Y ❒N	Filt. ❒Y ❒N	Filt. ❒Y ❒N	Filt. ❒Y ❒N	Filt. ❒Y ❒N	Filt. ❒Y ❒
	SD-28-SS	10/1/05 / 11:30	SED	3	✓	✓		✓						
	SD-28-01	/ 11:35			✓	✓		✓						
	SD-28-02	/ 11:40			✓	✓		✓						
	SD-29-SS	/ 10:40			✓	✓		✓						
	SD-29-01	/ 10:50			✓	✓		✓						
	SD-29-02	/ 11:00			✓	✓		✓						
	SD-30-SS	/ 11:15			✓	✓		✓						
	SD-31-SS	/ 11:45			✓	✓		✓						
	SD-31-01	/ 11:50			✓	✓		✓						
	SD-31-02	/ 11:55		6	✓	✓	✓	✓		+ MS/MSD Volumes				
	SD-32-SS	/ 12:20		3	✓	✓		✓						
	SD-33-SS	/ 10:40		3	✓	✓	✓	✓						
	SD-34-SS	/ 10:20		3	✓	✓		✓						
	SD-35-SS	/ 10:10		3	✓	✓	✓	✓						
	SD-36-SS	/ 10:30		3	✓	✓		✓						
	SD-37-SS	/ 12:10		3	✓	✓		✓						

COMMENTS

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
FMK	10/1/05 13:00				
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)

Katahdin ANALYTICAL SERVICES
340 County Road No. 5
P.O. Box 720
Westbrook, ME 04092
Tel: (207) 874-2400
Fax: (207) 775-4029

CHAIN of CUSTODY

PLEASE BEAR DOWN AND PRINT LEGIBLY IN PEN

Client	Contact	Phone #	Fax #
Tetra Tech NUS, Inc	Mike Martin	(301) 528 3033	(301) 528 3000

Address	City	State	Zip Code
20251 Century Blv	Germantown	md	20874

Purchase Order #	Proj. Name / No.	Katahdin Quote #
	LMC - MRC	

Bill (if different than above) SAME AS ABOVE Address

Sampler (Print / Sign) Fred Kolberg FK

Copies To:

LAB USE ONLY WORK ORDER #: 1

KATAHDIN PROJECT NUMBER

REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT

AIRBILL NO:

TEMP°C ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

*	Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	ANALYSIS AND CONTAINER TYPE PRESERVATIVES: VOCs 2-oz/4-oz Glass (Filt. ☐Y ☒N)	P.P. METALS, Cr+6 4-oz Glass (Filt. ☐Y ☒N)	TOC 4-oz Amb (Filt. ☐Y ☒N)	SVOC/PCBs 8-oz Glass (Filt. ☐Y ☒N)	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N
	SD-38-SS	10/21/05 12:00	SED	3	✓	✓		✓						
	SD-39-SS	10:00			✓	✓	✓	✓						
	SD-40-SS	9:00			✓	✓	✓	✓						
	SD-40-01	9:15			✓	✓	✓	✓						
	SD-40-02	9:30			✓	✓	✓	✓						
	SD-41 (FK) -SS	13:30			✓	✓								
	SD-42-SS	7:15			✓	✓								
	SD-42-01	7:30			✓	✓								
	SD-42-02	7:45			✓	✓								
	TB102105		H2O	2	✓	✓								

COMMENTS

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
FK	10/21/05 15:00	FedEx			
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)

Tetra Tech NUS, Inc.

SURFACE WATER SAMPLE LOG SHEET

Project Site Name: Lockheed Martin Corp. Middle River Complex, Md
Project No.: 112I00107

Sample ID No.: SW-08-102005
Sample Location: SW-08
Sampled By: FJK/W.P.
C.O.C. No.:

[] Stream
[] Spring
[] Pond
[] Lake
[X] Other: Tidal creek (estuarine)
[] QA Sample Type:

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

SAMPLING DATA:

Date: 10/20/05	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/l)	Salinity (%)	Other ORP
Time: 11:10								
Depth: 10.1'	LT Brown	7.18	11.89	17.96	10.3	7.33	6.82	214.6
Method: Dip (Bailer)								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs	HCL	3 40 mL Vials	✓
SVOCs	—	2 1 L. Amber Glass	✓
PCBs	—	2 1 L. amber Glass	✓
Total P.P. metals	HNO_3	1 1 L. plastic	✓
Diss. P.P. metals	HNO_3	1 1 L. plastic	✓
Crtle (Total)	—	1 125 mL plastic	✓

OBSERVATIONS / NOTES:

MAP:

see Work plan

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

FJK

Tetra Tech NUS, Inc.

SURFACE WATER SAMPLE LOG SHEET

Project Site Name: Lockheed Martin Corp. Middle River Complex, Md
Project No.: 112I00107

Sample ID No.: SW-09-102005
Sample Location: SW-09
Sampled By: FJK/W.P.
C.O.C. No.:

[] Stream
[] Spring
[] Pond
[] Lake
[X] Other: Tidal creek (estuarine)
[] QA Sample Type:

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

SAMPLING DATA:

Date: 10/20/05 Time: 11:20 Depth: 9.6' Method: D.P. (BAILER)	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/l)	Salinity (%)	Other ORP
	Lt. Brwn	7.27	11.90	17.94	10.6	7.58	6.83	213.5

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs	HCL	3 40 mL VIALS	✓
SVOCs	—	2 1 L. Amber Glass	✓
PCBs	—	2 1 L. amber Glass	✓
Total P.P. metals	HNO_3	1 1 L. plastic	✓
Diss. P.P. metals	HNO_3	1 1 L. plastic	✓
Cr+6 (Total)	—	1 125 mL plastic	✓

OBSERVATIONS / NOTES:

MAP:

see Work plan

Circle if Applicable:

MS/MSD | Duplicate ID No.:

Signature(s):

FJK

Tetra Tech NUS, Inc.

SURFACE WATER SAMPLE LOG SHEET

Project Site Name: Lockheed Martin Corp. Middle River Complex, Md
Project No.: 112I00107

Sample ID No.: SW-10-102005
Sample Location: SW-10
Sampled By: FJK/W.P.
C.O.C. No.:

[] Stream
[] Spring
[] Pond
[] Lake
[X] Other: Tidal creek (estuarine)
[] QA Sample Type:

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

SAMPLING DATA:

Date: 10/20/05 Time: 11:30 Depth: 9.8' Method: Dip (Bailer)	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/l)	Salinity (%)	Other ORP
	L.J. Brown	7.28	11.90	17.93	9.0	7.21	6.83	224.2

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs	HCL	3 40 mL VIALS	✓
SVOCs	—	2 1 L. Amber Glass	✓
PCBs	—	2 1 L. amber Glass	✓
Total P.P. metals	HNO_3	1 1 L. plastic	✓
Diss. P.P. metals	HNO_3	1 1 L. plastic	✓
Cr+6 (Total)	—	1 125 mL plastic	✓

OBSERVATIONS / NOTES:

MAP:

see Work plan

Circle if Applicable:

MS/MSD | Duplicate ID No.:

Signature(s):

FJK

Tetra Tech NUS, Inc.

SURFACE WATER SAMPLE LOG SHEET

Project Site Name: Lockheed Martin Corp. Middle River Complex, Md
Project No.: 112I00107

Sample ID No.: SW-11-102005
Sample Location: SW-11
Sampled By: FJK/W.P.
C.O.C. No.:

[] Stream
[] Spring
[] Pond
[] Lake
[X] Other: Tidal creek (estuarine)
[] QA Sample Type:

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

SAMPLING DATA:

Date: 10/20/05 Time: 11:50 Depth: 9.5' Method: Dip (Bailer)	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (^{0}C)	Turbidity (NTU)	DO (mg/l)	Salinity (%)	Other ORP
	LT. Brwn	7.23	11.92	17.91	9.6	7.46	6.84	235

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs	HCL	3 40 mL VIALS	✓
SVOCs	—	2 1 L. Amber Glass	✓
PCBs	—	2 1 L. amber Glass	✓
Total P.P. metals	HNO_3	1 1 L. plastic	✓
Diss. P.P. metals	HNO_3	1 1 L. plastic	✓
Cr+6 (Total)	—	1 125 mL plastic	✓

OBSERVATIONS / NOTES:

MAP:

see WORK PLAN

Circle if Applicable:

MS/MSD | Duplicate ID No.:

Signature(s):

FJK

Tetra Tech NUS, Inc.

SURFACE WATER SAMPLE LOG SHEET

Project Site Name: Lockheed Martin Corp. Middle River Complex, Md
Project No.: 112I00107

Sample ID No.: SW-12-102005
Sample Location: SW-12
Sampled By: FJK/W.P.
C.O.C. No.:

[] Stream
[] Spring
[] Pond
[] Lake
[X] Other: Tidal creek (estuarine)
[] QA Sample Type:

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

SAMPLING DATA:

Date: 10/20/05	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/l)	Salinity (%)	Other ORP
Time: 12:10								
Depth: 3.6'	LT. BROWN	7.34	11.88	17.86	16.0	7.65	6.82	230.3
Method: DIP (BAILER)								

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs	HCL	3 40 ML VIALS	✓
SVOCs	—	2 1 L. Amber Glass	✓
PCBs	—	2 1 L. Amber Glass	✓
Total P.P. metals	HNO_3	1 1 L. plastic	✓
Diss. P.P. metals	HNO_3	1 1 L. plastic	✓
Cr+6 (Total)	—	1 125 ML plastic	✓

OBSERVATIONS / NOTES:

MAP:

see WORK PLAN

Circle if Applicable:

MS/MSD | Duplicate ID No.:

Signature(s):

FJK

Tetra Tech NUS, Inc.

SURFACE WATER SAMPLE LOG SHEET

Project Site Name: Lockheed Martin Corp. Middle River Complex, Md
Project No.: 112I00107

Sample ID No.: SW-13-102005
Sample Location: SW-13
Sampled By: FJK/W.P.
C.O.C. No.:

[] Stream
[] Spring
[] Pond
[] Lake
[X] Other: Tidal creek (estuarine)
[] QA Sample Type:

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

SAMPLING DATA:

Date: 10/20/05 Time: 1220 Depth: 8.5' Method: Dip (Bailer)	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/l)	Salinity (%)	Other ORP
	LT. Brwn	7.39	11.91	18.01	9.0	7.66	6.83	246.1

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs	HCL	3 40 mL VIALS	✓
SVOCs	—	2 1 L. Amber Glass	✓
PCBs	—	2 1 L. amber Glass	✓
Total R.P. metals	HNO_3	1 1 L. plastic	✓
Diss. R.P. metals	HNO_3	1 1 L. plastic	✓
Cr+6 (Total)	—	1 125 mL plastic	✓

OBSERVATIONS / NOTES:

MAP:

see WORK PLAN

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

FJK

Tetra Tech NUS, Inc.

SURFACE WATER SAMPLE LOG SHEET

Project Site Name: Lockheed Martin Corp. Middle River Complex, Md
Project No.: 112I00107

Sample ID No.: SW-14-102005
Sample Location: SW-14
Sampled By: FJK/W.P.
C.O.C. No.:

[] Stream
[] Spring
[] Pond
[] Lake
[X] Other: Tidal creek (estuarine)
[] QA Sample Type:

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

SAMPLING DATA:

Date: 10/20/05 Time: 12:40 Depth: 12' Method: Dip (Bailer)	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/l)	Salinity (%)	Other ORP
	LT Brwn	7.34	11.90	17.91	7.8	7.93	6.82	231.4

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs	HCL	3 40 mL VIALS	✓
SVOCs	—	2 1 L. Amber Glass	✓
PCBs	—	2 1 L. amber Glass	✓
Total RP metals	HNO_3	1 1 L. plastic	✓
Diss. RP metals	HNO_3	1 1 L. plastic	✓
Cr+6 (Total)	—	1 125 mL plastic	✓

OBSERVATIONS / NOTES:

MAP:

see Work plan

Circle if Applicable:

MS/MSD | Duplicate ID No.:

Signature(s):

FJK

Tetra Tech NUS, Inc.

SURFACE WATER SAMPLE LOG SHEET

Project Site Name: Lockheed Martin Corp. Middle River Complex, Md
Project No.: 112I00107

Sample ID No.: SW-15-102005
Sample Location: SW-15
Sampled By: FJK/W.P.
C.O.C. No.:

[] Stream
[] Spring
[] Pond
[] Lake
[X] Other: Tidal creek (estuarine)
[] QA Sample Type:

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

SAMPLING DATA:

Date: 10/20/05 Time: 12:50 Depth: 9.9' Method: Dip (Bailer)	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/l)	Salinity (%)	Other
	LT. Brwn	7.19	11.89	17.81	14.2	7.50	6.82	2047

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs	HCL	3 40 mL VIALS	✓
SVOCs	—	2 1 L. Amber Glass	✓
PCBs	—	2 1 L. amber Glass	✓
Total P.P. metals	HNO_3	1 1 L. plastic	✓
Diss. P.P. metals	HNO_3	1 1 L. plastic	✓
Cr+6 (Total)	—	1 125 mL plastic	✓

OBSERVATIONS / NOTES:

MAP:

see Work plan

Circle if Applicable:

MS/MSD | Duplicate ID No.:

Signature(s):

FJK

Tetra Tech NUS, Inc.

SURFACE WATER SAMPLE LOG SHEET

Project Site Name: Lockheed Martin Corp. Middle River Complex, Md
Project No.: 112I00107

Sample ID No.: SW-16-102005
Sample Location: SW-16
Sampled By: FJK/W.P.
C.O.C. No.:

[] Stream
[] Spring
[] Pond
[] Lake
[X] Other: Tidal creek (estuarine)
[] QA Sample Type:

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

SAMPLING DATA:

Date: 10/20/05 Time: 13:00 Depth: 6.3' Method: Dip (Bailer)	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/l)	Salinity (%)	Other ORP
	Lt. Brn.	7.18	11.84	17.71	22.3	7.50	6.79	188.0

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs	HCL	3 40 mL VIALS	✓
SVOCs	—	2 1 L. Amber Glass	✓
PCBs	—	2 1 L. Amber Glass	✓
Total RP metals	HNO_3	1 1 L. plastic	✓
Diss. RP metals	HNO_3	1 1 L. plastic	✓
Cr+6 (Total)	—	1 125 mL plastic	✓

OBSERVATIONS / NOTES:

MAP:

see Work plan

Circle if Applicable:

MS/MSD | Duplicate ID No.:

Signature(s):

FJK

Tetra Tech NUS, Inc.

SURFACE WATER SAMPLE LOG SHEET

Project Site Name: Lockheed Martin Corp. Middle River Complex, Md
Project No.: 112I00107

Sample ID No.: SW-17-102005
Sample Location: SW-17
Sampled By: FJK/W.P.
C.O.C. No.:

[] Stream
[] Spring
[] Pond
[] Lake
[X] Other: Tidal creek (estuarine)
[] QA Sample Type:

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

SAMPLING DATA:

Date: 10/20/05 / Time: 13:15 / Depth: 10.7' / Method: Dip (Bailer)	Color (Visual)	pH (S.U.)	S.C. (mS/cm)	Temp. (°C)	Turbidity (NTU)	DO (mg/l)	Salinity (%)	Other ORP
	Lt. Brwn.	7.20	11.83	17.95	16.2	7.53	6.80	193

SAMPLE COLLECTION INFORMATION:

Analysis	Preservative	Container Requirements	Collected
VOCs	HCL	3 40 mL Vials	✓ MS/MSD
SVOCs	—	2 1 L. Amber Glass	✓
PCBs	—	2 1 L. Amber Glass	✓
Total RP metals	HNO_3	1 1 L. plastic	✓
Diss. RP metals	HNO_3	1 1 L. plastic	✓
Crtle (Total)	—	1 125 mL plastic	✓

OBSERVATIONS / NOTES:

MAP:

see Work plan

Circle if Applicable:

MS/MSD

Duplicate ID No.:

Signature(s):

FJK

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: Lockheed Martin Corp. Middle River Complex
Project No.: 112I00107

Sample ID No.: SD-13-SS
Sample Location: SD-13
Sampled By: FJK/W.P.
C.O.C. No.:

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

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

GRAB SAMPLE DATA:

Date: 10/20/05	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 14:30	0-6"	Black	Silt + clay
Method: Vibracore			
Monitor Reading (ppm): N/A			

COMPOSITE SAMPLE DATA:

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

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
VOCs	2 oz g/ASS	✓	
SVOCs/PCBs	8 oz g/ASS	✓	
P.P. metals, Cr+6	4 oz g/ASS	✓	

OBSERVATIONS / NOTES:

MAP:

see W.P. MAP

Circle if Applicable:

MS/MSD | Duplicate ID No.:

Signature(s):

FJK

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: Lockheed Martin Corp. Middle River Complex
Project No.: 112I00107

Sample ID No.: SD-13-01
Sample Location: SD-13
Sampled By: FJK/W.P.
C.O.C. No.:

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

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

GRAB SAMPLE DATA:

Date:	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 15:30	10"-14"	Black	silt + clay
Method: Vibracore			
Monitor Reading (ppm): N/A			

COMPOSITE SAMPLE DATA:

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

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
VOCs	2 oz g/ASS	✓	
SVOCs/PCBs	8 oz g/ASS	✓	
P.P. metals, Cr+6	4 oz g/ASS	✓	

OBSERVATIONS / NOTES:

MAP:

see W.P. MAP

Circle if Applicable:

MS/MSD | Duplicate ID No.:

Signature(s):

FJK

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: Lockheed Martin Corp. Middle River Complex
Project No.: 112I00107

Sample ID No.: SD-13-02
Sample Location: SD-13
Sampled By: FJK/W.P.
C.O.C. No.:

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

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

GRAB SAMPLE DATA:

Date: 10/20/05	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 15:45	22"-26"	Black	silt & clay
Method: Vibracore			
Monitor Reading (ppm): N/A			

COMPOSITE SAMPLE DATA:

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

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
VOCs	2 oz g/ASS	✓	
SVOCs/PCBs	8 oz g/ASS	✓	
P.P. metals, Cr+6	4 oz g/ASS	✓	

OBSERVATIONS / NOTES:

MAP:

see W.P. MAP

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

FJK

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: Lockheed Martin Corp. Middle River Complex
Project No.: 112I00107

Sample ID No.: SD-14-SS
Sample Location: SD-14
Sampled By: FJK/W.P.
C.O.C. No.:

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

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

GRAB SAMPLE DATA:

Date: 10/20/05	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 16:00	0"-6"	Black	SILT + clay
Method: Vibracore			
Monitor Reading (ppm): NA			

COMPOSITE SAMPLE DATA:

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

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
VOCs	2 oz g/ASS	✓	
SVOCs/PCBs	8 oz g/ASS	✓	
P.P. metals, Cr+6	4 oz g/ASS	✓	

OBSERVATIONS / NOTES:

MAP:

see W.P. MAP

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

FJK

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: Lockheed Martin Corp. Middle River Complex
Project No.: 112I00107

Sample ID No.: SD-14-01
Sample Location: SD-14
Sampled By: FJK/W.P.
C.O.C. No.:

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

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

GRAB SAMPLE DATA:

Date: 10/20/05	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 16:10	10"-14"	Black	SILT + CLAY
Method: Vibracore			
Monitor Reading (ppm): N/A			

COMPOSITE SAMPLE DATA:

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

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
VOCs	2 oz g/ASS	✓	
SVOCs/PCBs	8 oz g/ASS	✓	
P.P. metals, Cr+6	4 oz g/ASS	✓	

OBSERVATIONS / NOTES:

MAP:

see W.P. MAP

Circle if Applicable:

MS/MSD | Duplicate ID No.:

Signature(s):

FJK

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: Lockheed MARTIN CORP. Middle River Complex
Project No.: 112I00107

Sample ID No.: SD-14-02
Sample Location: SD-14
Sampled By: FJK/W.P.
C.O.C. No.:

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

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

GRAB SAMPLE DATA:

Date: 10/20/05	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 16:30	22"-26"	BLACK	SILT + CLAY
Method: Vibracore			
Monitor Reading (ppm): N/A			

COMPOSITE SAMPLE DATA:

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

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
VOCs	2 oz g/ASS	✓	
SVOCs/PCBs	8 oz g/ASS	✓	
P.P. metals, Cr+6	4 oz g/ASS	✓	

OBSERVATIONS / NOTES:

MAP:

see W.P. MAP

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

FJK

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: Lockheed Martin Corporation Middle River Complex
Project No.: 112I00107

Sample ID No.: SD-15-SS
Sample Location: SD-15
Sampled By: FJK/W.P.
C.O.C. No.:

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

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

GRAB SAMPLE DATA:

Date: 10/21/05	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 13:20	0"-6"	Black	SILT + CLAY
Method: PONAR			
Monitor Reading (ppm): N/A			

COMPOSITE SAMPLE DATA:

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

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
VOC's	2 oz. glass	✓	
SVOC's / PCB's	8 oz glass	✓	
P.P. Metals, Cr+6	4 oz glass	✓	

OBSERVATIONS / NOTES:

MAP:

See W.P. map.

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

FJK

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: Lockheed Martin Corp. Middle River Complex
Project No.: 112I00107

Sample ID No.: SD-16-SS
Sample Location: SD-16
Sampled By: FJK/W.P.
C.O.C. No.:

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

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

GRAB SAMPLE DATA:

Date: 10/20/05	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 16:50	0"-6"	Black	SILT + CLAY
Method: Vibracore			
Monitor Reading (ppm): N/A			

COMPOSITE SAMPLE DATA:

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

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
VOCs	2 oz g/ASS	✓	
SVOCs/PCBs	8 oz g/ASS	✓	
P.P. metals, Cr+6	4 oz g/ASS	✓	

OBSERVATIONS / NOTES:

MAP:

see W.P. MAP

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

FJK

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: Lockheed MARTIN Corp. Middle River Complex
Project No.: 112I00107

Sample ID No.: SD-16-01
Sample Location: SD-16
Sampled By: FJK/W.P.
C.O.C. No.:

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

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

GRAB SAMPLE DATA:

Date: 10/20/05	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 17:00	10"-14"	Black	SILT + CLAY
Method: Vibracore			
Monitor Reading (ppm): N/A			

COMPOSITE SAMPLE DATA:

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

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
VOCs	2 oz g/ASS	✓	
SVOCs/PCBs	8 oz g/ASS	✓	
P.P. metals, Cr+6	4 oz g/ASS	✓	

OBSERVATIONS / NOTES:

MAP:

see W.P. MAP

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

FJH

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: Lockheed Martin Corp. Middle River Complex
Project No.: 112I00107

Sample ID No.: SD-16-02
Sample Location: SD-16
Sampled By: FJK/W.P.
C.O.C. No.:

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

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

GRAB SAMPLE DATA:

Date: 10/20/05	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 17:10	22"-26"	BLACK	SILT + clay
Method: Vibracore			
Monitor Reading (ppm): N/A			

COMPOSITE SAMPLE DATA:

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

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
VOCs	2 oz g/ASS	✓	
SVOCs/PCBs	8 oz g/ASS	✓	
P.P. metals, Cr+6	4 oz g/ASS	✓	

OBSERVATIONS / NOTES:

MAP:

see W.P. MAP

Circle if Applicable:

MS/MSD

Duplicate ID No.:

Signature(s):

FJK

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: Lockheed Martin Corporation Middle River Complex
Project No.: 112I00107

Sample ID No.: SD-17-SS
Sample Location: SD-17
Sampled By: FJK/W.P.
C.O.C. No.:

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

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

GRAB SAMPLE DATA:

Date: 10/21/05	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 11:30	0"-6"	Black	silt + clay
Method: PONAR			
Monitor Reading (ppm): N/A			

COMPOSITE SAMPLE DATA:

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

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
VOC's	2 oz. glass	✓	
SVOC's / PCB's	8 oz glass	✓	
P.P. Metals, Cr+6, TOC	4 oz glass	✓	

OBSERVATIONS / NOTES:

MAP:

See W.P. map.

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

FJK

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: Lockheed Martin Corporation Middle River Complex
Project No.: 112I00107

Sample ID No.: SD-18-SS
Sample Location: SD-18
Sampled By: FJK/W.P.
C.O.C. No.:

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

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

GRAB SAMPLE DATA:

Date: 10/21/05	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 12:50	0"-6"	Black	SILT + CLAY
Method: PONAR			
Monitor Reading (ppm): N/A			

COMPOSITE SAMPLE DATA:

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

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
VOC's	2 oz. glass	✓	
SVOC's / PCB's	8 oz glass	✓	
P.P. Metals, Cr+6	4 oz glass	✓	

OBSERVATIONS / NOTES:

MAP:

See W.P. map.

Circle if Applicable:

MS/MSD | Duplicate ID No.:

Signature(s):

FJK

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: Lockheed Martin Corp. Middle River Complex
Project No.: 112I00107

Sample ID No.: SD-19-SS
Sample Location: SD-19
Sampled By: FJK/W.P.
C.O.C. No.:

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

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

GRAB SAMPLE DATA:

Date: 10/21/05	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 09:45	0"-6"	Black	SILT + CLAY
Method: Vibracore			
Monitor Reading (ppm): N/A			

COMPOSITE SAMPLE DATA:

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

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
VOCs	2 oz g/ASS	✓	
SVOCs/PCBs	8 oz g/ASS	✓	
P.P. metals, Cr+6, TOC	4 oz g/ASS	✓	

OBSERVATIONS / NOTES:

MAP:

see W.P. MAP

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

FJK

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: Lockheed Martin Corp. Middle River Complex
Project No.: 112I00107

Sample ID No.: SD-19-01
Sample Location: SD-19
Sampled By: FJK/W.P.
C.O.C. No.:

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

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

GRAB SAMPLE DATA:

Date: 10/21/05	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 10:00	10"-14"	Black	SILT + CLAY
Method: Vibracore			
Monitor Reading (ppm): N/A			

COMPOSITE SAMPLE DATA:

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

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
VOCs	2 oz g/ASS	✓	
SVOCs/PCBs	8 oz g/ASS	✓	
P.P. metals, Cr+6, TOC	4 oz g/ASS	✓	

OBSERVATIONS / NOTES:

MAP:

see W.P. MAP

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

FJK

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: Lockheed MARTIN CORP. Middle River Complex
Project No.: 112I00107

Sample ID No.: SD-19-02
Sample Location: SD-19
Sampled By: FJK/W.P.
C.O.C. No.:

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

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

GRAB SAMPLE DATA:

Date: 10/21/05	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 10:15	22" - 26"	Black	SILT + CLAY
Method: Vibracore			
Monitor Reading (ppm): N/A			

COMPOSITE SAMPLE DATA:

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

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
VOCs	2 oz g/ASS	✓	
SVOCs/PCBs	8 oz g/ASS	✓	
P.P. metals, Cr+6, TOC	4 oz g/ASS	✓	

OBSERVATIONS / NOTES:

MAP:

see W.P. MAP

Circle if Applicable:

MS/MSD

Duplicate ID No.:

Signature(s):

FJK

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: Lockheed Martin Corporation Middle River Complex
Project No.: 112I00107

Sample ID No.: SD-20-55
Sample Location: SD-20
Sampled By: FJK/W.P.
C.O.C. No.:

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

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

GRAB SAMPLE DATA:

Date: 10/21/05	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 13:00	0"-6"	Black	SILT + CLAY
Method: PONAR			
Monitor Reading (ppm): N/A			

COMPOSITE SAMPLE DATA:

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

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
VOC's	2 oz. glass	✓	
SVOC's / PCB's	8 oz glass	✓	
P.P. Metals, Cr+6	4 oz glass	✓	

OBSERVATIONS / NOTES:

MAP:

See W.P. map.

Circle if Applicable:

MS/MSD | Duplicate ID No.:

Signature(s):

FJK

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: Lockheed Martin Corporation Middle River Complex
Project No.: 112I00107

Sample ID No.: SD-21-SS
Sample Location: SD-21
Sampled By: FJK/W.P.
C.O.C. No.:

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

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

GRAB SAMPLE DATA:

Date: 10/21/05 Time: 11:25 Method: PONAR Monitor Reading (ppm): N/A	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
	0"-6"	Black	SILT + CLAY

COMPOSITE SAMPLE DATA:

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

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
VOC's	2 oz. glass	✓	
SVOC's / PCB's	8 oz glass	✓	
P.P. Metals, Cr+6	4 oz glass	✓	

OBSERVATIONS / NOTES:

MAP:

See W.P. map.

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

F/18

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: Lockheed Martin Corporation Middle River Complex
Project No.: 112I00107

Sample ID No.: SD-22-SS
Sample Location: SD-22
Sampled By: FJK/W.P.
C.O.C. No.:

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

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

GRAB SAMPLE DATA:

Date: 10/21/05	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 13:10	0"-6"	Black	SILT + CLAY
Method: PONAR			
Monitor Reading (ppm): N/A			

COMPOSITE SAMPLE DATA:

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

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
VOC's	2 oz. glass	✓	
SVOC's / PCB's	8 oz glass	✓	
P.P. Metals, Cr+6	4 oz glass	✓	

OBSERVATIONS / NOTES:

MAP:

See W.P. map

Circle if Applicable:

MS/MSD | Duplicate ID No.:

Signature(s):

FJK

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: Lockheed Martin Corporation Middle River Complex
Project No.: 112I00107

Sample ID No.: SD-23-SS
Sample Location: SD-23
Sampled By: FJK/W.P.
C.O.C. No.:

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

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

GRAB SAMPLE DATA:

Date: 10/21/05	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 12:40	0"-6"	Black	SILT + CLAY
Method: PONAR			
Monitor Reading (ppm): N/A			

COMPOSITE SAMPLE DATA:

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

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
VOC's	2 oz. glass	✓	
SVOC's / PCB's	8 oz glass	✓	
P.P. Metals, Cr+6, TOC	4 oz glass	✓	

OBSERVATIONS / NOTES:

MAP:

See W.P. map.

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

FJK

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: Lockheed Martin Corporation Middle River Complex
Project No.: 112I00107

Sample ID No.: SD-24-55
Sample Location: SD-24
Sampled By: FJK/W.P.
C.O.C. No.:

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

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

GRAB SAMPLE DATA:

Date: 10/21/05	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 11:50	0"-6"	Black	SILT + CLAY
Method: PONAR			
Monitor Reading (ppm): N/A			

COMPOSITE SAMPLE DATA:

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

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
VOC's	2 oz. glass	✓	
SVOC's / PCB's	8 oz glass	✓	
P.P. Metals, Cr+6	4 oz glass	✓	

OBSERVATIONS / NOTES:

MAP:

See W.P. map.

Circle if Applicable:

MS/MSD

Duplicate ID No.:

Signature(s):

FJK

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: Lockheed Martin Corporation Middle River Complex
Project No.: 112I00107

Sample ID No.: SD-25-SS
Sample Location: SD-25
Sampled By: FJK/W.P.
C.O.C. No.:

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

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

GRAB SAMPLE DATA:

Date: 10/21/05	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 11:20	0"-6"	Black	Silt + Clay
Method: PONAR			
Monitor Reading (ppm): N/A			

COMPOSITE SAMPLE DATA:

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

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
VOC's	2 oz. glass	✓	MS/MSD
SVOC's / PCB's	8 oz glass	✓	↓
P.P. Metals, Cr+6, TOC	4 oz glass	✓	

OBSERVATIONS / NOTES:

MAP:

See W.P. map

Circle if Applicable:
MS/MSD

Duplicate ID No.:

Signature(s):

FJK

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: Lockheed Martin Corporation Middle River Complex
Project No.: 112I00107

Sample ID No.: SD-26-SS
Sample Location: SD-26
Sampled By: FJK/WP
C.O.C. No.:

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

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

GRAB SAMPLE DATA:

Date: 10/21/05	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 12:30	0"-6"	Black	SILT + CLAY
Method: PONAR			
Monitor Reading (ppm): N/A			

COMPOSITE SAMPLE DATA:

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

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
VOC's	2 oz. glass	✓	
SVOC's / PCB's	8 oz glass	✓	
P.P. Metals, Cr+6	4 oz glass	✓	

OBSERVATIONS / NOTES:

MAP:

See W.P. map

Circle if Applicable:

MS/MSD | Duplicate ID No.:

Signature(s):

FJK

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: Lockheed MARTIN CORP. Middle River Complex
Project No.: 112I00107

Sample ID No.: SD-27-SS
Sample Location: SD-27
Sampled By: FJK/W.P.
C.O.C. No.:

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

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

GRAB SAMPLE DATA:

Date: 10/21/05	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 11:15	0"-6"	Black	SILT + CLAY
Method: Vibracore			
Monitor Reading (ppm): N/A			

COMPOSITE SAMPLE DATA:

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

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
VOCs	2 oz g/ASS	✓	MS/MSD
SVOCs/PCBs	8 oz g/ASS	✓	↓
P.P. metals, Cr+6, TOC	4 oz g/ASS	✓	

OBSERVATIONS / NOTES:

MAP:

see W.P. MAP

Circle if Applicable:

MS/MSD

Duplicate ID No.:

Signature(s):

FJK

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: Lockheed Martin Corp. Middle River Complex
Project No.: 112I00107

Sample ID No.: SD-27-01
Sample Location: SD-27
Sampled By: FJK/W.P.
C.O.C. No.:

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

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

GRAB SAMPLE DATA:

Date: 10/21/05	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 11:20	10"-14"	Black	SILT & CLAY
Method: Vibracore			
Monitor Reading (ppm): N/A			

COMPOSITE SAMPLE DATA:

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

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
VOCs	2 oz g/ASS	✓	
SVOCs/PCBs	8 oz g/ASS	✓	
P.P. metals, Cr+6	4 oz g/ASS	✓	

OBSERVATIONS / NOTES:

MAP:

see W.P. MAP

Circle if Applicable:

MS/MSD

Duplicate ID No.:

Signature(s):

FJK

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: Lockheed Martin Corp. Middle River Complex
Project No.: 112I00107

Sample ID No.: SD-27-02
Sample Location: SD-27
Sampled By: FJK/W.P.
C.O.C. No.:

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

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

GRAB SAMPLE DATA:

Date: 10/21/05	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 11:25	22"-26"	Black	SILT + CLAY
Method: Vibracore			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

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

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
VOCs	2 oz g/ASS	✓	
SVOCs/PCBs	8 oz g/ASS	✓	
P.P. metals, Cr+6	4 oz g/ASS	✓	

OBSERVATIONS / NOTES:

MAP:

see W.P. MAP

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

FJK

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: Lockheed Martin Corp. Middle River Complex
Project No.: 112I00107

Sample ID No.: SD-28-SS
Sample Location: SD-28
Sampled By: FJK/W.P.
C.O.C. No.:

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

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

GRAB SAMPLE DATA:

Date: 10/21/05	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 11:30	0"-6"	Black	SILT + CLAY
Method: Vibracore			
Monitor Reading (ppm): N/A			

COMPOSITE SAMPLE DATA:

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

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
VOCs	2 oz g/ASS	✓	
SVOCs/PCBs	8 oz g/ASS	✓	
P.P. metals, Cr+6	4 oz g/ASS	✓	

OBSERVATIONS / NOTES:

MAP:

see W.P. MAP

Circle if Applicable:

MS/MSD | Duplicate ID No.:

Signature(s):

FJK

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: Lockheed Martin Corp. Middle River Complex
Project No.: 112I00107

Sample ID No.: SD-28-01
Sample Location: SD-28
Sampled By: FJK/W.P.
C.O.C. No.:

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

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

GRAB SAMPLE DATA:

Date: 10/21/05	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 11:35	10" - 14"	Black	SILT + CLAY
Method: Vibracore			
Monitor Reading (ppm): N/A			

COMPOSITE SAMPLE DATA:

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

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
VOCs	2 oz g/ASS	✓	
SVOCs/PCBs	8 oz g/ASS	✓	
P.P. metals, Cr+6	4 oz g/ASS	✓	

OBSERVATIONS / NOTES:

MAP:

see W.P. MAP

Circle if Applicable:

MS/MSD | Duplicate ID No.:

Signature(s):

FJK

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: Lockheed Martin Corp. Middle River Complex
Project No.: 112I00107

Sample ID No.: SD-28-02
Sample Location: [redacted] SD-28
Sampled By: FJK/W.P.
C.O.C. No.:

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

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

GRAB SAMPLE DATA:

Date: 10/21/05	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 11:40	22"-26"	Black	Silt + Clay
Method: Vibracore			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

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

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
VOCs	2 oz g/ASS	✓	
SVOCs/PCBs	8 oz g/ASS	✓	
P.P. metals, Cr+6	4 oz g/ASS	✓	

OBSERVATIONS / NOTES:

MAP:

see W.P. MAP

Circle if Applicable:

MS/MSD | Duplicate ID No.:

Signature(s):

FJK

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: Lockheed Martin Corp. Middle River Complex
Project No.: 112I00107

Sample ID No.: SD-29-SS
Sample Location: SD-29
Sampled By: FJK/W.P.
C.O.C. No.:

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

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

GRAB SAMPLE DATA:

Date: 10/21/05	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 10:40	0"-6"	Black	SILT + CLAY
Method: Vibracore			
Monitor Reading (ppm): N/A			

COMPOSITE SAMPLE DATA:

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

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
VOCs	2 oz g/ASS	✓	
SVOCs/PCBs	8 oz g/ASS	✓	
P.P. metals, Cr+6	4 oz g/ASS	✓	

OBSERVATIONS / NOTES:

MAP:

see W.P. MAP

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

FJK

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: Lockheed Martin Corp. Middle River Complex
Project No.: 112I00107

Sample ID No.: SD-29-01
Sample Location: SD-29
Sampled By: FJK/W.P.
C.O.C. No.:

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

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

GRAB SAMPLE DATA:

Date: 10/21/05	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 10:50	10" - 14"	Black	SILT + CLAY
Method: Vibracore			
Monitor Reading (ppm): N/A			

COMPOSITE SAMPLE DATA:

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

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
VOCs	2 oz g/ASS	✓	
SVOCs/PCBs	8 oz g/ASS	✓	
P.P. metals, Cr+6	4 oz g/ASS	✓	

OBSERVATIONS / NOTES:

MAP:

see W.P. MAP

Circle if Applicable:

MS/MSD | Duplicate ID No.:

Signature(s):

FJK

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: Lockheed Martin Corp. Middle River Complex
Project No.: 112I00107

Sample ID No.: SD-29-02
Sample Location: SD-29
Sampled By: FJK/W.P.
C.O.C. No.:

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

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

GRAB SAMPLE DATA:

Date: 10/21/05	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 11:00	22"-26"	Black	SILT + CLAY
Method: Vibracore			
Monitor Reading (ppm): N/A			

COMPOSITE SAMPLE DATA:

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

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
VOCs	2 oz g/ASS	✓	
SVOCs/PCBs	8 oz g/ASS	✓	
P.P. metals, Cr+6	4 oz g/ASS	✓	

OBSERVATIONS / NOTES:

MAP:

see W.P. MAP

Circle if Applicable:

MS/MSD | Duplicate ID No.:

Signature(s):

FJK

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: Lockheed Martin Corporation Middle River Complex
Project No.: 112I00107

Sample ID No.: SD-30-SS
Sample Location: SD-30
Sampled By: FJK/W.P.
C.O.C. No.:

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

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

GRAB SAMPLE DATA:

Date: 10/21/05	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 11:15	0"-6"	Black	SILT + CLAY
Method: PONAR			
Monitor Reading (ppm): N/A			

COMPOSITE SAMPLE DATA:

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

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
VOC's	2 oz. glass	✓	
SVOC's / PCB's	8 oz glass	✓	
P.P. Metals, Cr+6	4 oz glass	✓	

OBSERVATIONS / NOTES:

MAP:

See W.P. map.

Circle if Applicable:

MS/MSD | Duplicate ID No.:

Signature(s):

FJK

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: Lockheed MARTIN Corp. Middle River Complex
Project No.: 112I00107

Sample ID No.: SD-31-SS
Sample Location: SD-31
Sampled By: FJK/W.P.
C.O.C. No.:

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

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

GRAB SAMPLE DATA:

Date: 10/21/05	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 11:45	0"-6"	Black	SILT + CLAY
Method: Vibracore			
Monitor Reading (ppm): N/A			

COMPOSITE SAMPLE DATA:

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

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
VOCs	2 oz g/ASS	✓	
SVOCs/PCBs	8 oz g/ASS	✓	
P.P. metals, Cr+6	4 oz g/ASS	✓	

OBSERVATIONS / NOTES:

MAP:

see W.P. MAP

Circle if Applicable:

MS/MSD | Duplicate ID No.:

Signature(s):

FJK

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: Lockheed Martin Corp. Middle River Complex
Project No.: 112I00107

Sample ID No.: SD-31-01
Sample Location: SD-31
Sampled By: FJK/W.P.
C.O.C. No.:

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

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

GRAB SAMPLE DATA:

Date: 10/21/05	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 11:50	10" - 14"	Black	SILT & CLAY
Method: Vibracore			
Monitor Reading (ppm): N/A			

COMPOSITE SAMPLE DATA:

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

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
VOCs	2 oz g/ASS	✓	
SVOCs/PCBs	8 oz g/ASS	✓	
P.P. metals, Cr+6	4 oz g/ASS	✓	

OBSERVATIONS / NOTES:

MAP:

see W.P. MAP

Circle if Applicable:

MS/MSD | Duplicate ID No.:

Signature(s):

FJK

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: Lockheed Martin Corp. Middle River Complex
Project No.: 112I00107

Sample ID No.: SD-31-02
Sample Location:
Sampled By: FJK/W.P.
C.O.C. No.:

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

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

GRAB SAMPLE DATA:

Date: 10/21/05	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 11:55	22"-26"	Black	SILT + CLAY
Method: Vibracore			
Monitor Reading (ppm): N/A			

COMPOSITE SAMPLE DATA:

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

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
VOCs	2 oz g/ASS	✓	MS/MSD ↓
SVOCs/PCBs	8 oz g/ASS	✓	
P.P. metals, Cr+6, TOC	4 oz g/ASS	✓	

OBSERVATIONS / NOTES:

MAP:

see W.P. MAP

Circle if Applicable: MS/MSD

Duplicate ID No.:

Signature(s):

FJH

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: Lockheed Martin Corporation Middle River Complex
Project No.: 112I00107

Sample ID No.: SD-32-SS
Sample Location: SD-32
Sampled By: FJK/W.P.
C.O.C. No.:

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

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

GRAB SAMPLE DATA:

Date: 10/21/05	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 12:20	0"-6"	Black	SILT + CLAY
Method: PONAR			
Monitor Reading (ppm): N/A			

COMPOSITE SAMPLE DATA:

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

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
VOC's	2 oz. glass	✓	
SVOC's / PCB's	8 oz glass	✓	
P.P. Metals, Cr+6	4 oz glass	✓	

OBSERVATIONS / NOTES:

MAP:

See W.P. map

Circle if Applicable:

MS/MSD | Duplicate ID No.:

Signature(s):

FJK

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: Lockheed Martin Corporation Middle River Complex
Project No.: 112I00107

Sample ID No.: SD-33-SS
Sample Location: SD-33
Sampled By: FJK/W.P.
C.O.C. No.:

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

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

GRAB SAMPLE DATA:

Date: 10/21/05	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 10:40	0"-6"	Black	SILT + CLAY
Method: PONAR			
Monitor Reading (ppm): N/A			

COMPOSITE SAMPLE DATA:

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

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
VOC's	2 oz. glass	✓	
SVOC's / PCB's	8 oz glass	✓	
P.P. Metals, Cr+6, TOC	4 oz glass	✓	

OBSERVATIONS / NOTES:

MAP:

See W.P. map

Circle if Applicable:

MS/MSD | Duplicate ID No.:

Signature(s):

FJK

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: Lockheed Martin Corporation Middle River Complex
Project No.: 112I00107

Sample ID No.: SD-34-SS
Sample Location: SD-34
Sampled By: FJK/W.P.
C.O.C. No.:

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

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

GRAB SAMPLE DATA:

Date: 10/24/05	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 10:20	0"-6"	Black	SILT + CLAY
Method: PONAR			
Monitor Reading (ppm): N/A			

COMPOSITE SAMPLE DATA:

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

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
VOC's	2 oz. glass	✓	
SVOC's / PCB's	8 oz glass	✓	
P.P. Metals, Cr+6	4 oz glass	✓	

OBSERVATIONS / NOTES:

MAP:

See W.P. map.

Circle if Applicable:

MS/MSD

Duplicate ID No.:

Signature(s):

FJK

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: Lockheed Martin Corporation Middle River Complex
Project No.: 112I00107

Sample ID No.: SD-35-SS
Sample Location: SD-35
Sampled By: FJK/W.P.
C.O.C. No.:

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

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

GRAB SAMPLE DATA:

Date: 10/21/05	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 10:10	0"-6"	Black	SILT + CLAY
Method: PONAR			
Monitor Reading (ppm): N/A			

COMPOSITE SAMPLE DATA:

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

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
VOC's	2 oz. glass	✓	
SVOC's / PCB's	8 oz glass	✓	
P.P. Metals, Cr+6, TOC	4 oz glass	✓	

OBSERVATIONS / NOTES:

MAP:

See W.P. map.

Circle if Applicable:

MS/MSD

Duplicate ID No.:

Signature(s):

FJK

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: Lockheed Martin Corporation Middle River Complex
Project No.: 112I00107

Sample ID No.: SD-36-SS
Sample Location: SD-36
Sampled By: FJK/W.P.
C.O.C. No.:

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

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

GRAB SAMPLE DATA:

Date: 10/21/05	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 10:30	0"-6"	Black	SILT + CLAY
Method: PONAR			
Monitor Reading (ppm): N/A			

COMPOSITE SAMPLE DATA:

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

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
VOC's	2 oz. glass	✓	
SVOC's / PCB's	8 oz glass	✓	
P.P. Metals, Cr+6	4 oz glass	✓	

OBSERVATIONS / NOTES:

MAP:

See W.P. map

Circle if Applicable:

MS/MSD | Duplicate ID No.:

Signature(s):

FJK

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: Lockheed Martin Corporation Middle River Complex
Project No.: 112I00107

Sample ID No.: SD-37-SS
Sample Location: SD-37
Sampled By: FJK/W.P.
C.O.C. No.:

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

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

GRAB SAMPLE DATA:

Date: 10/21/05	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 12:10	0"-6"	Black	SILT + CLAY
Method: PONAR			
Monitor Reading (ppm): N/A			

COMPOSITE SAMPLE DATA:

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

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
VOC's	2 oz. glass	✓	
SVOC's / PCB's	8 oz glass	✓	
P.P. Metals, Cr+6	4 oz glass	✓	

OBSERVATIONS / NOTES:

MAP:

See W.P. map.

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

FJK

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: Lockheed Martin Corporation Middle River Complex
Project No.: 112I00107

Sample ID No.: SD-38-SS
Sample Location: SD-38
Sampled By: FJK/W.P.
C.O.C. No.:

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

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

GRAB SAMPLE DATA:

Date: 10/21/05	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 12:00	0"-6"	Black	SILT + CLAY
Method: PONAR			
Monitor Reading (ppm): N/A			

COMPOSITE SAMPLE DATA:

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

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
VOC's	2 oz. glass	✓	
SVOC's / PCB's	8 oz glass	✓	
P.P. Metals, Cr+6	4 oz glass	✓	

OBSERVATIONS / NOTES:

MAP:

See W.P. map.

Circle if Applicable:

MS/MSD

Duplicate ID No.:

Signature(s):

FJK

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: Lockheed Martin Corporation Middle River Complex
Project No.: 112I00107

Sample ID No.: SD-39-SS
Sample Location:
Sampled By: FJK/W.P.
C.O.C. No.:

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

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

GRAB SAMPLE DATA:

Date: 10/21/05	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 10:00	0"-6"	Black	SILT + CLAY
Method: PONAR			
Monitor Reading (ppm): N/A			

COMPOSITE SAMPLE DATA:

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

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
VOC's	2 oz. glass	✓	
SVOC's / PCB's	8 oz glass	✓	
P.P. Metals, Cr+6, TOC	4 oz glass	✓	

OBSERVATIONS / NOTES:

MAP:

See W.P. map.

Circle if Applicable:

MS/MSD | Duplicate ID No.:

Signature(s):

FJK

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: Lockheed Martin Corp. Middle River Complex
Project No.: 112I00107

Sample ID No.: SD-40-SS
Sample Location: SD-40
Sampled By: FJK/W.P.
C.O.C. No.:

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

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

GRAB SAMPLE DATA:

Date: 10/21/05	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 09:00	0"-6"	Black	SILT + CLAY
Method: Vibracore			
Monitor Reading (ppm): N/A			

COMPOSITE SAMPLE DATA:

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

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
VOCs	2 oz g/ASS	✓	
SVOCs/PCBs	8 oz g/ASS	✓	
P.P. metals, Cr+6, TOC	4 oz g/ASS	✓	

OBSERVATIONS / NOTES:

MAP:

see W.P. MAP

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

FJK

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: Lockheed Martin Corp. Middle River Complex
Project No.: 112I00107

Sample ID No.: SD-40-01
Sample Location: SD-40
Sampled By: FJK/W.P.
C.O.C. No.:

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

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

GRAB SAMPLE DATA:

Date: 10/21/05	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 09:15	"10-14"	Black	SILT + CLAY
Method: Vibracore			
Monitor Reading (ppm): N/A			

COMPOSITE SAMPLE DATA:

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

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
VOCs	2 oz g/ASS	✓	
SVOCs/PCBs	8 oz g/ASS	✓	
P.P. metals, Cr+6, TOC	4 oz g/ASS	✓	

OBSERVATIONS / NOTES:

MAP:

see W.P. MAP

Circle if Applicable:

MS/MSD | Duplicate ID No.:

Signature(s):

FJK

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: Lockheed MARTIN CORP. Middle River Complex
Project No.: 112I00107

Sample ID No.: SD-40-02
Sample Location: SD-40
Sampled By: FJK/W.P.
C.O.C. No.:

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

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

GRAB SAMPLE DATA:

Date: 10/21/05	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 9:30	22"-26"	Black	SILT + CLAY
Method: Vibracore			
Monitor Reading (ppm): N/A			

COMPOSITE SAMPLE DATA:

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

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
VOCs	2 oz g/ASS	✓	
SVOCs/PCBs	8 oz g/ASS	✓	
P.P. metals, Cr+6, TOC	4 oz g/ASS	✓	

OBSERVATIONS / NOTES:

MAP:

see W.P. MAP

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

FJK

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: Lockheed Martin Corporation Middle River Complex
Project No.: 112I00107

Sample ID No.: SD-41-SS
Sample Location: SD-41
Sampled By: FJK/W.P.
C.O.C. No.:

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

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

GRAB SAMPLE DATA:

Date: 10/21/05	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 13:30	0"-6"	Black	SILT + CLAY
Method: PONAR			
Monitor Reading (ppm): N/A			

COMPOSITE SAMPLE DATA:

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

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
VOC's	2 oz. glass	✓	
SVOC's / PCB's	8 oz glass	✓	
P.P. Metals, Cr+6	4 oz glass	✓	

OBSERVATIONS / NOTES:

MAP:

See W.P. map.

Circle if Applicable:

MS/MSD | Duplicate ID No.:

Signature(s):

FJK

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: Lockheed Martin Corp. Middle River Complex
Project No.: 112I00107

Sample ID No.: SD-42-SS
Sample Location: SD-42
Sampled By: FJK/W.P.
C.O.C. No.:

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

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

GRAB SAMPLE DATA:

Date: 10/21/05	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 07:15	0"-6"	Black	SILT + CLAY
Method: Vibracore			
Monitor Reading (ppm): N/A			

COMPOSITE SAMPLE DATA:

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

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
VOCs	2 oz g/ASS	✓	
SVOCs/PCBs	8 oz g/ASS	✓	
P.P. metals, Cr+6	4 oz g/ASS	✓	

OBSERVATIONS / NOTES:

MAP:

see W.P. MAP

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

FJK

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: Lockheed Martin Corp. Middle River Complex
Project No.: 112I00107

Sample ID No.: SD-42-01
Sample Location: SD-42
Sampled By: FJK/W.P.
C.O.C. No.:

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

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

GRAB SAMPLE DATA:

Date: 10/21/05	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 07:30	10" - 14"	Black	SILT + CLAY.
Method: Vibracore			
Monitor Reading (ppm): N/A			

COMPOSITE SAMPLE DATA:

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

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
VOCs	2 oz g/ASS	✓	
SVOCs/PCBs	8 oz g/ASS	✓	
P.P. metals, Cr+6	4 oz g/ASS	✓	

OBSERVATIONS / NOTES:

MAP:

see W.P. MAP

Circle if Applicable:

MS/MSD | Duplicate ID No.:

Signature(s):

FJK

Tetra Tech NUS, Inc.

SOIL & SEDIMENT SAMPLE LOG SHEET

Project Site Name: Lockheed Martin Corp. Middle River Complex
Project No.: 112I00107

Sample ID No.: SD-42-02
Sample Location: SD-42
Sampled By: FJK/W.P.
C.O.C. No.:

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

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

GRAB SAMPLE DATA:

Date: 10/21/05	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 09:45	22"-26"	Black	SILT + CLAY
Method: Vibracore			
Monitor Reading (ppm): N/A			

COMPOSITE SAMPLE DATA:

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

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
VOCs	2 oz g/ASS	✓	
SVOCs/PCBs	8 oz g/ASS	✓	
P.P. metals, Cr+6	4 oz g/ASS	✓	

OBSERVATIONS / NOTES:

MAP:

see WP. MAP

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s):

FJK

APPENDIX B - ANALYTICAL SUMMARY TABLES

TABLE B-1
ANALYTICAL RESULTS FOR SURFACE WATER
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND
PAGE 1 OF 21

SAMPLE ID:	SW-1-031705	SW-2-031705	SW-3-031705	SW-4-031705	SW-5-031705	SW-6-031705	SW-7-031705
LABORATORY ID:	503077-002	503077-004	503077-014RE	503077-012	503077-010	503077-008	503077-006RE
SAMPLE DATE:	3/17/2005	3/17/2005	3/17/2005	3/17/2005	3/17/2005	3/17/2005	3/17/2005
LOCATION:	SW-01	SW-02	SW-03	SW-04	SW-05	SW-06	SW-07
BUTYLTINS (ug/L)							
DIBUTYLTIN	NA	NA	NA	NA	NA	NA	NA
MONOBUTYLTIN	NA	NA	NA	NA	NA	NA	NA
TETRABUTYLTIN	NA	NA	NA	NA	NA	NA	NA
TRIBUTYLTIN	NA	NA	NA	NA	NA	NA	NA
INORGANICS (ug/L)							
ANTIMONY	0.21	0.12	0.089	0.085 U	0.085 U	0.085 U	0.085 U
ARSENIC	0.69	0.54	0.89	0.77	0.74	0.57	0.81
BARIUM	NA	NA	NA	NA	NA	NA	NA
BERYLLIUM	0.17	0.0083	0.088	0.13	0.047	0.053	0.028
CADMIUM	0.024 U	0.024 U	0.33	0.12	0.056	0.052	0.024 U
CHROMIUM	0.059 U	0.059 U	1.4	0.059 U	0.059 U	0.059 U	0.059 U
COBALT	NA	NA	NA	NA	NA	NA	NA
COPPER	2.5 B	2.2 B	29.2 J	2.3 B	19.7 J	2.2 B	2 B
LEAD	0.94 B	0.99 B	1.7 B	0.73 B	0.7 B	0.88 B	0.76 B
MERCURY	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
MOLYBDENUM	NA	NA	NA	NA	NA	NA	NA
NICKEL	6.7 J	1.8 J	2.8 J	2 J	1.8 J	1.9 J	2.1 J
SELENIUM	0.15 U	0.71	1.8	2.2	1.4	1.5	0.62
SILVER	0.042 B	0.026 B	0.04 B	0.046 B	0.15 B	0.034 B	0.023 B
THALLIUM	0.28 B	0.14 B	0.075 U	0.075 U	0.075 U	0.075 U	0.075 U
VANADIUM	NA	NA	NA	NA	NA	NA	NA
ZINC	23.6 J	6.6 B	12 J	6.5 B	10.5 J	8.2 B	8.3 B
MISCELLANEOUS (mg/L)							
HEXAVALENT CHROMIUM	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
PESTICIDES/PCBs (ug/L)							
AROCLOR-1016	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U

NA - Not analyzed.

TABLE B-1
ANALYTICAL RESULTS FOR SURFACE WATER
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	SW-1-031705	SW-2-031705	SW-3-031705	SW-4-031705	SW-5-031705	SW-6-031705	SW-7-031705
LABORATORY ID:	503077-002	503077-004	503077-014RE	503077-012	503077-010	503077-008	503077-006RE
SAMPLE DATE:	3/17/2005	3/17/2005	3/17/2005	3/17/2005	3/17/2005	3/17/2005	3/17/2005
LOCATION:	SW-01	SW-02	SW-03	SW-04	SW-05	SW-06	SW-07
AROCLOR-1221	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U
AROCLOR-1232	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U
AROCLOR-1242	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U
AROCLOR-1248	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U
AROCLOR-1254	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U
AROCLOR-1260	1.1 U	1.1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U
SEMIVOLATILES (ug/L)							
1,2,4-TRICHLOROBENZENE	11 U	11 U	10 U	10 U	11 U	11 U	11 U
1,2-DICHLOROBENZENE	11 U	11 U	10 U	10 U	11 U	11 U	11 U
1,2-DIPHENYLHYDRAZINE	11 U	11 U	10 U	10 U	11 U	11 U	11 U
1,3-DICHLOROBENZENE	11 U	11 U	10 U	10 U	11 U	11 U	11 U
1,4-DICHLOROBENZENE	11 U	11 U	10 U	10 U	11 U	11 U	11 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	11 U	11 U	10 U	10 U	11 U	11 U	11 U
2,4,5-TRICHLOROPHENOL	11 U	11 U	10 U	10 U	11 U	11 U	11 U
2,4,6-TRICHLOROPHENOL	11 U	11 U	10 U	10 U	11 U	11 U	11 U
2,4-DICHLOROPHENOL	11 U	11 U	10 U	10 U	11 U	11 U	11 U
2,4-DIMETHYLPHENOL	11 U	11 U	10 U	10 U	11 U	11 U	11 U
2,4-DINITROPHENOL	21 U	21 U	21 U	21 U	21 U	21 U	21 U
2,4-DINITROTOLUENE	11 U	11 U	10 U	10 U	11 U	11 U	11 U
2,6-DINITROTOLUENE	11 U	11 U	10 U	10 U	11 U	11 U	11 U
2-CHLORONAPHTHALENE	11 U	11 U	10 U	10 U	11 U	11 U	11 U
2-CHLOROPHENOL	11 U	11 U	10 U	10 U	11 U	11 U	11 U
2-METHYLNAPHTHALENE	11 U	11 U	10 U	10 U	11 U	11 U	11 U
2-METHYLPHENOL	11 U	11 U	10 U	10 U	11 U	11 U	11 U
2-NITROANILINE	11 U	11 U	10 U	10 U	11 U	11 U	11 U

NA - Not analyzed.

TABLE B-1
ANALYTICAL RESULTS FOR SURFACE WATER
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	SW-1-031705	SW-2-031705	SW-3-031705	SW-4-031705	SW-5-031705	SW-6-031705	SW-7-031705
LABORATORY ID:	503077-002	503077-004	503077-014RE	503077-012	503077-010	503077-008	503077-006RE
SAMPLE DATE:	3/17/2005	3/17/2005	3/17/2005	3/17/2005	3/17/2005	3/17/2005	3/17/2005
LOCATION:	SW-01	SW-02	SW-03	SW-04	SW-05	SW-06	SW-07
2-NITROPHENOL	11 U	11 U	10 U	10 U	11 U	11 U	11 U
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	21 U	21 U	21 U	21 U	21 U	21 U	21 U
3-NITROANILINE	11 U	11 U	10 U	10 U	11 U	11 U	11 U
4,6-DINITRO-2-METHYLPHENOL	21 U	21 U	21 U	21 U	21 U	21 U	21 U
4-BROMOPHENYL PHENYL ETHER	11 U	11 U	10 U	10 U	11 U	11 U	11 U
4-CHLORO-3-METHYLPHENOL	11 U	11 U	10 U	10 U	11 U	11 U	11 U
4-CHLOROANILINE	11 U	11 U	10 U	10 U	11 U	11 U	11 U
4-CHLOROPHENYL PHENYL ETHER	11 U	11 U	10 U	10 U	11 U	11 U	11 U
4-METHYLPHENOL	11 U	11 U	10 U	10 U	11 U	11 U	11 U
4-NITROANILINE	11 U	11 U	10 U	10 U	11 U	11 U	11 U
4-NITROPHENOL	21 U	21 U	21 U	21 U	21 U	21 U	21 U
ACENAPHTHENE	11 U	11 U	10 U	10 U	11 U	11 U	11 U
ACENAPHTHYLENE	11 U	11 U	10 U	10 U	11 U	11 U	11 U
ANILINE	11 U	11 U	10 U	10 U	11 U	11 U	11 U
ANTHRACENE	11 U	11 U	10 U	10 U	11 U	11 U	11 U
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	11 U	11 U	10 U	10 U	11 U	11 U	11 U
BENZO(A)ANTHRACENE	11 U	11 U	10 U	10 U	11 U	11 U	11 U
BENZO(A)PYRENE	11 U	11 U	10 U	10 U	11 U	11 U	11 U
BENZO(B)FLUORANTHENE	11 U	11 U	10 U	10 U	11 U	11 U	11 U
BENZO(G,H,I)PERYLENE	11 U	11 U	10 U	10 U	11 U	11 U	11 U
BENZO(K)FLUORANTHENE	11 U	11 U	10 U	10 U	11 U	11 U	11 U
BENZOIC ACID	21 U	21 U	21 U	21 U	21 U	21 U	21 U
BENZYL ALCOHOL	11 U	11 U	10 U	10 U	11 U	11 U	11 U
BIS(2-CHLOROETHOXY)METHANE	11 U	11 U	10 U	10 U	11 U	11 U	11 U
BIS(2-CHLOROETHYL)ETHER	11 U	11 U	10 U	10 U	11 U	11 U	11 U

NA - Not analyzed.

TABLE B-1
ANALYTICAL RESULTS FOR SURFACE WATER
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	SW-1-031705	SW-2-031705	SW-3-031705	SW-4-031705	SW-5-031705	SW-6-031705	SW-7-031705
LABORATORY ID:	503077-002	503077-004	503077-014RE	503077-012	503077-010	503077-008	503077-006RE
SAMPLE DATE:	3/17/2005	3/17/2005	3/17/2005	3/17/2005	3/17/2005	3/17/2005	3/17/2005
LOCATION:	SW-01	SW-02	SW-03	SW-04	SW-05	SW-06	SW-07
BIS(2-ETHYLHEXYL)PHTHALATE	1.4 J	2.6 J	3.5 J	1.5 J	3.8 J	6.9 J	3 J
BUTYL BENZYL PHTHALATE	11 U	11 U	10 U	10 U	11 U	11 U	11 U
CARBAZOLE	11 U	11 U	10 U	10 U	11 U	11 U	11 U
CHRYSENE	11 U	11 U	10 U	10 U	11 U	11 U	11 U
DIBENZO(A,H)ANTHRACENE	11 U	11 U	10 U	10 U	11 U	11 U	11 U
DIBENZOFURAN	11 U	11 U	10 U	10 U	11 U	11 U	11 U
DIETHYL PHTHALATE	11 U	11 U	10 U	10 U	11 U	11 U	11 U
DIMETHYL PHTHALATE	11 U	11 U	10 U	10 U	11 U	11 U	11 U
DI-N-BUTYL PHTHALATE	11 U	11 U	1.5 J	10 U	11 U	2.5 J	11 U
DI-N-OCTYL PHTHALATE	11 U	11 U	10 U	10 U	11 U	11 U	11 U
FLUORANTHENE	11 U	11 U	10 U	10 U	11 U	11 U	11 U
FLUORENE	11 U	11 U	10 U	10 U	11 U	11 U	11 U
HEXACHLOROBENZENE	11 U	11 U	10 U	10 U	11 U	11 U	11 U
HEXACHLOROBUTADIENE	11 U	11 U	10 U	10 U	11 U	11 U	11 U
HEXACHLOROCYCLOPENTADIENE	11 U	11 U	10 U	10 U	11 U	11 U	11 U
HEXACHLOROETHANE	11 U	11 U	10 U	10 U	11 U	11 U	11 U
INDENO(1,2,3-CD)PYRENE	11 U	11 U	10 U	10 U	11 U	11 U	11 U
ISOPHORONE	11 U	11 U	10 U	10 U	11 U	11 U	11 U
NAPHTHALENE	11 U	11 U	10 U	10 U	11 U	11 U	11 U
NITROBENZENE	11 U	11 U	10 U	10 U	11 U	11 U	11 U
N-NITROSODIMETHYLAMINE	11 U	11 U	10 U	10 U	11 U	11 U	11 U
N-NITROSO-DI-N-PROPYLAMINE	11 U	11 U	10 U	10 U	11 U	11 U	11 U
N-NITROSODIPHENYLAMINE	11 U	11 U	10 U	10 U	11 U	11 U	11 U
PENTACHLOROPHENOL	21 U	21 U	21 U	21 U	21 U	21 U	21 U
PHENANTHRENE	11 U	11 U	10 U	10 U	11 U	11 U	11 U
PHENOL	11 U	11 U	10 U	10 U	11 U	11 U	11 U
PYRENE	11 U	11 U	10 U	10 U	11 U	11 U	11 U

NA - Not analyzed.

TABLE B-1
ANALYTICAL RESULTS FOR SURFACE WATER
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	SW-1-031705	SW-2-031705	SW-3-031705	SW-4-031705	SW-5-031705	SW-6-031705	SW-7-031705
LABORATORY ID:	503077-002	503077-004	503077-014RE	503077-012	503077-010	503077-008	503077-006RE
SAMPLE DATE:	3/17/2005	3/17/2005	3/17/2005	3/17/2005	3/17/2005	3/17/2005	3/17/2005
LOCATION:	SW-01	SW-02	SW-03	SW-04	SW-05	SW-06	SW-07
PYRIDINE	11 U	11 U	10 U	10 U	11 U	11 U	11 U
VOLATILES (ug/L)							
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	5 U	5 U	5 UJ	5 U	5 U	5 U	5 UJ
1,1,2,2-TETRACHLOROETHANE	5 U	5 U	5 UJ	5 U	5 U	5 U	5 UJ
1,1,2-TRICHLOROETHANE	5 U	5 U	5 UJ	5 U	5 U	5 U	5 UJ
1,1,2-TRICHLOROTRIFLUOROETHANE	5 U	5 U	5 UJ	5 U	5 U	5 U	5 UJ
1,1-DICHLOROETHANE	5 U	5 U	5 UJ	5 U	5 U	5 U	5 UJ
1,1-DICHLOROETHENE	5 U	5 U	5 UJ	5 U	5 U	5 U	5 UJ
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	5 U	5 U	5 UJ	5 U	5 U	5 U	5 UJ
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	5 U	5 U	5 UJ	5 U	5 U	5 U	5 UJ
1,2-DIBROMOETHANE	5 U	5 U	5 UJ	5 U	5 U	5 U	5 UJ
1,2-DICHLOROBENZENE	5 U	5 U	5 UJ	5 U	5 U	5 U	5 UJ
1,2-DICHLOROETHANE	5 U	5 U	5 UJ	5 U	5 U	5 U	5 UJ
1,2-DICHLOROPROPANE	5 U	5 U	5 UJ	5 U	5 U	5 U	5 UJ
1,3-DICHLOROBENZENE	5 U	5 U	5 UJ	5 U	5 U	5 U	5 UJ
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	5 U	5 U	5 UJ	5 U	5 U	5 U	5 UJ
1,4-DIOXANE	100 UR	100 UR	100 UR	100 UR	100 UR	100 UR	100 UR
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	10 U	10 U	10 UJ	10 U	10 U	10 U	10 UJ
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA

NA - Not analyzed.

TABLE B-1
ANALYTICAL RESULTS FOR SURFACE WATER
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	SW-1-031705	SW-2-031705	SW-3-031705	SW-4-031705	SW-5-031705	SW-6-031705	SW-7-031705
LABORATORY ID:	503077-002	503077-004	503077-014RE	503077-012	503077-010	503077-008	503077-006RE
SAMPLE DATE:	3/17/2005	3/17/2005	3/17/2005	3/17/2005	3/17/2005	3/17/2005	3/17/2005
LOCATION:	SW-01	SW-02	SW-03	SW-04	SW-05	SW-06	SW-07
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	10 U	10 U	10 UJ	10 U	10 U	10 U	10 UJ
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	10 U	10 U	10 UJ	10 U	10 U	10 U	10 UJ
ACETONE	5.7 J	5.4 J	10 UJ	10 U	10 U	10 U	10 UJ
BENZENE	5 U	5 U	5 UJ	5 U	5 U	5 U	5 UJ
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	5 U	5 U	5 UJ	5 U	5 U	5 U	5 UJ
BROMOFORM	5 U	5 U	5 UJ	5 U	5 U	5 U	5 UJ
BROMOMETHANE	10 U	10 U	10 UJ	10 U	10 U	10 U	10 UJ
CARBON DISULFIDE	5 U	5.1	6.8 J	5.8	8.6	4.8 J	5 UJ
CARBON TETRACHLORIDE	5 U	5 U	5 UJ	5 U	5 U	5 U	5 UJ
CHLOROBENZENE	5 U	5 U	5 UJ	5 U	5 U	5 U	5 UJ
CHLORODIBROMOMETHANE	5 U	5 U	5 UJ	5 U	5 U	5 U	5 UJ
CHLOROETHANE	10 U	10 U	10 UJ	10 U	10 U	10 U	10 UJ
CHLOROFORM	1.2 J	5 U	5 UJ	5 U	5 U	5 U	5 UJ
CHLOROMETHANE	10 U	10 U	10 UJ	10 U	10 U	10 U	10 UJ
CIS-1,2-DICHLOROETHENE	5 U	5 U	5 UJ	5 U	5 U	5 U	5 UJ
CIS-1,3-DICHLOROPROPENE	5 U	5 U	5 UJ	5 U	5 U	5 U	5 UJ
CYCLOHEXANE	5 U	5 U	5 UJ	5 U	5 U	5 U	5 UJ
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	5 U	5 U	5 UJ	5 U	5 U	5 U	5 UJ
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	5 U	5 U	5 UJ	5 U	5 U	5 U	5 UJ

NA - Not analyzed.

TABLE B-1
ANALYTICAL RESULTS FOR SURFACE WATER
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	SW-1-031705	SW-2-031705	SW-3-031705	SW-4-031705	SW-5-031705	SW-6-031705	SW-7-031705
LABORATORY ID:	503077-002	503077-004	503077-014RE	503077-012	503077-010	503077-008	503077-006RE
SAMPLE DATE:	3/17/2005	3/17/2005	3/17/2005	3/17/2005	3/17/2005	3/17/2005	3/17/2005
LOCATION:	SW-01	SW-02	SW-03	SW-04	SW-05	SW-06	SW-07
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	5 U	5 U	5 UJ	5 U	5 U	5 U	5 UJ
M+P-XYLENES	5 U	5 U	5 UJ	5 U	5 U	5 U	5 UJ
METHYL ACETATE	5 U	5 U	5 UJ	5 U	5 U	5 U	5 UJ
METHYL CYCLOHEXANE	5 U	5 U	5 UJ	5 U	5 U	5 U	5 UJ
METHYL TERT-BUTYL ETHER	5 U	5 U	5 UJ	5 U	5 U	5 U	5 UJ
METHYLENE CHLORIDE	10 U	10 U	10 UJ	10 U	10 U	10 U	10 UJ
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	5 U	5 U	5 UJ	5 U	5 U	5 U	5 UJ
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA
STYRENE	5 U	5 U	5 UJ	5 U	5 U	5 U	5 UJ
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	5 U	5 U	5 UJ	5 U	5 U	5 U	5 UJ
TOLUENE	5 U	5 U	5 UJ	5 U	5 U	5 U	5 UJ
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	5 U	5 U	5 UJ	5 U	5 U	5 U	5 UJ
TRANS-1,3-DICHLOROPROPENE	5 U	5 U	5 UJ	5 U	5 U	5 U	5 UJ
TRICHLOROETHENE	5 U	5 U	5 UJ	5 U	5 U	5 U	5 UJ
TRICHLOROFLUOROMETHANE	5 U	5 U	5 UJ	5 U	5 U	5 U	5 UJ
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	10 U	10 U	10 UJ	10 U	10 U	10 U	10 UJ

NA - Not analyzed.

TABLE B-1
ANALYTICAL RESULTS FOR SURFACE WATER
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	SW-08-102005	SW-09-102005	SW-10-102005	SW-11-102005	SW-12-102005	SW-13-102005	SW-14-102005
LABORATORY ID:	WV5584-2	WV5584-4	WV5584-6	648323	WV5584-10	648324	648325
SAMPLE DATE:	10/20/2005	10/20/2005	10/20/2005	10/20/2005	10/20/2005	10/20/2005	10/20/2005
LOCATION:	SW-08	SW-09	SW-10	SW-11	SW-12	SW-13	SW-14
BUTYLTINS (ug/L)							
DIBUTYLTIN	NA	NA	NA	0.037 U	NA	0.037 U	0.037 U
MONOBUTYLTIN	NA	NA	NA	0.15 U	NA	0.15 U	0.15 U
TETRABUTYLTIN	NA	NA	NA	0.048 U	NA	0.048 U	0.048 U
TRIBUTYLTIN	NA	NA	NA	0.043 U	NA	0.042 U	0.043 U
INORGANICS (ug/L)							
ANTIMONY	5.2 K	4.11 U	4.11 U	4.11 U	4.11 U	4.11 U	4.11 U
ARSENIC	3.45 U	3.45 U	3.45 U	3.45 U	3.45 U	3.45 U	3.45 U
BARIUM	85	84.4	86.2	86	85.1	90.2	87.8
BERYLLIUM	0.35 UL	0.35 UL	0.35 UL	0.35 UL	0.35 UL	0.35 UL	0.35 UL
CADMIUM	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U
CHROMIUM	1.01 U	1.01 U	1.5 K	1.01 U	1.01 U	1.4 K	1.01 U
COBALT	1.12 U	1.3 B	1.2 B	1.2 B	1.12 U	1.4 B	1.5 B
COPPER	1.74 UL	1.74 UL	1.74 UL	1.74 UL	1.74 UL	1.74 UL	1.74 UL
LEAD	2.4 L	1.65 UL	1.65 UL	1.9 L	2.9 L	2.6 L	2.2 L
MERCURY	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
MOLYBDENUM	2 U	2 U	2 U	2 U	2 U	2	2 U
NICKEL	1.7	2.4	3.4	3.1	2.2	2.6	2.9
SELENIUM	3.59 U	3.59 U	3.59 U	3.59 U	3.59 U	3.59 U	4 K
SILVER	1.04 UL	1.04 UL	1.04 UL	1.04 UL	1.04 UL	1.04 UL	1.04 UL
THALLIUM	6.13 U	6.13 U	6.13 U	6.13 U	6.13 U	6.13 U	6.13 U
VANADIUM	1.36 UL	1.36 UL	1.36 UL	1.36 UL	1.36 UL	1.36 UL	1.36 UL
ZINC	12 K	9.1 K	10.5 K	11 K	14.6 K	10.7 K	10.2 K
MISCELLANEOUS (mg/L)							
HEXAVALENT CHROMIUM	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U
PESTICIDES/PCBs (ug/L)							
AROCLOR-1016	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U

NA - Not analyzed.

TABLE B-1
ANALYTICAL RESULTS FOR SURFACE WATER
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	SW-08-102005	SW-09-102005	SW-10-102005	SW-11-102005	SW-12-102005	SW-13-102005	SW-14-102005
LABORATORY ID:	WV5584-2	WV5584-4	WV5584-6	648323	WV5584-10	648324	648325
SAMPLE DATE:	10/20/2005	10/20/2005	10/20/2005	10/20/2005	10/20/2005	10/20/2005	10/20/2005
LOCATION:	SW-08	SW-09	SW-10	SW-11	SW-12	SW-13	SW-14
AROCLOR-1221	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U
AROCLOR-1232	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U
AROCLOR-1242	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U
AROCLOR-1248	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U
AROCLOR-1254	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U
AROCLOR-1260	0.5 UJ	0.5 U	0.5 U	0.5 U	0.5 UJ	0.5 UJ	0.5 U
SEMIVOLATILES (ug/L)							
1,2,4-TRICHLOROBENZENE	10 U	10 UL	10 U	10 U	10 U	10 U	10 U
1,2-DICHLOROBENZENE	10 U	10 UL	10 U	10 U	10 U	10 U	10 U
1,2-DIPHENYLHYDRAZINE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	10 U	10 UL	10 U	10 U	10 U	10 U	10 U
1,4-DICHLOROBENZENE	10 U	10 UL	10 U	10 U	10 U	10 U	10 U
1,4-DIOXANE	10 U	10 UL	10 U	10 U	10 U	10 U	10 U
1-METHYLNAPHTHALENE	10 U	10 UL	10 U	10 U	10 U	10 U	10 U
2,2'-OXYBIS(1-CHLOROPROPANE)	10 U	10 UL	10 U	10 U	10 U	10 U	10 U
2,4,5-TRICHLOROPHENOL	25 U	25 U	25 U	25 U	25 U	25 U	25 U
2,4,6-TRICHLOROPHENOL	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-DICHLOROPHENOL	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-DIMETHYLPHENOL	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-DINITROPHENOL	25 U	25 U	25 U	25 U	25 U	25 U	25 U
2,4-DINITROTOLUENE	10 U	10 UL	10 U	10 U	10 U	10 U	10 U
2,6-DINITROTOLUENE	10 U	10 UL	10 U	10 U	10 U	10 U	10 U
2-CHLORONAPHTHALENE	10 U	10 UL	10 U	10 U	10 U	10 U	10 U
2-CHLOROPHENOL	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-METHYLNAPHTHALENE	10 U	10 UL	10 U	10 U	10 U	10 U	10 U
2-METHYLPHENOL	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-NITROANILINE	25 U	25 UL	25 U	25 U	25 U	25 U	25 U

NA - Not analyzed.

TABLE B-1
ANALYTICAL RESULTS FOR SURFACE WATER
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND
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SAMPLE ID:	SW-08-102005	SW-09-102005	SW-10-102005	SW-11-102005	SW-12-102005	SW-13-102005	SW-14-102005
LABORATORY ID:	WV5584-2	WV5584-4	WV5584-6	648323	WV5584-10	648324	648325
SAMPLE DATE:	10/20/2005	10/20/2005	10/20/2005	10/20/2005	10/20/2005	10/20/2005	10/20/2005
LOCATION:	SW-08	SW-09	SW-10	SW-11	SW-12	SW-13	SW-14
2-NITROPHENOL	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3&4-METHYLPHENOL	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-DICHLOROBENZIDINE	10 U	10 UL	10 U	10 U	10 U	10 U	10 U
3-NITROANILINE	25 U	25 UL	25 U	25 U	25 U	25 U	25 U
4,6-DINITRO-2-METHYLPHENOL	25 U	25 U	25 U	25 U	25 U	25 U	25 U
4-BROMOPHENYL PHENYL ETHER	10 U	10 UL	10 U	10 U	10 U	10 U	10 U
4-CHLORO-3-METHYLPHENOL	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-CHLOROANILINE	10 U	10 UL	10 U	10 U	10 U	10 U	10 U
4-CHLOROPHENYL PHENYL ETHER	10 U	10 UL	10 U	10 U	10 U	10 U	10 U
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	25 U	25 UL	25 U	25 U	25 U	25 U	25 U
4-NITROPHENOL	25 U	25 U	25 U	25 U	25 U	25 U	25 U
ACENAPHTHENE	10 U	10 UL	10 U	10 U	10 U	10 U	10 U
ACENAPHTHYLENE	10 U	10 UL	10 U	10 U	10 U	10 U	10 U
ANILINE	10 U	10 UL	10 U	10 U	10 U	10 U	10 U
ANTHRACENE	10 U	10 UL	10 U	10 U	10 U	10 U	10 U
AZOBENZENE	10 U	10 UL	10 U	10 U	10 U	10 U	10 U
BENZIDINE	10 U	10 UL	10 U	10 U	10 U	10 U	10 U
BENZO(A)ANTHRACENE	10 U	10 UL	10 U	10 U	10 U	10 U	10 U
BENZO(A)PYRENE	10 U	10 UL	10 U	10 U	10 U	10 U	10 U
BENZO(B)FLUORANTHENE	10 U	10 UL	10 U	10 U	10 U	10 U	10 U
BENZO(G,H,I)PERYLENE	10 U	10 UL	10 U	10 U	10 U	10 U	10 U
BENZO(K)FLUORANTHENE	10 U	10 UL	10 U	10 U	10 U	10 U	10 U
BENZOIC ACID	50 U	50 U	50 U	50 U	50 U	50 U	50 U
BENZYL ALCOHOL	10 UJ	10 UL	10 UJ	10 UJ	10 UJ	10 UJ	10 UJ
BIS(2-CHLOROETHOXY)METHANE	10 U	10 UL	10 U	10 U	10 U	10 U	10 U
BIS(2-CHLOROETHYL)ETHER	10 U	10 UL	10 U	10 U	10 U	10 U	10 U

NA - Not analyzed.

TABLE B-1
ANALYTICAL RESULTS FOR SURFACE WATER
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND
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SAMPLE ID:	SW-08-102005	SW-09-102005	SW-10-102005	SW-11-102005	SW-12-102005	SW-13-102005	SW-14-102005
LABORATORY ID:	WV5584-2	WV5584-4	WV5584-6	648323	WV5584-10	648324	648325
SAMPLE DATE:	10/20/2005	10/20/2005	10/20/2005	10/20/2005	10/20/2005	10/20/2005	10/20/2005
LOCATION:	SW-08	SW-09	SW-10	SW-11	SW-12	SW-13	SW-14
BIS(2-ETHYLHEXYL)PHTHALATE	10 U	10 UL	10 U	10 U	10 U	10 U	10 U
BUTYL BENZYL PHTHALATE	10 U	10 UL	10 U	10 U	10 U	10 U	10 U
CARBAZOLE	10 U	10 UL	10 U	10 U	10 U	10 U	10 U
CHRYSENE	10 U	10 UL	10 U	10 U	10 U	10 U	10 U
DIBENZO(A,H)ANTHRACENE	10 U	10 UL	10 U	10 U	10 U	10 U	10 U
DIBENZOFURAN	10 U	10 UL	10 U	10 U	10 U	10 U	10 U
DIETHYL PHTHALATE	10 U	10 UL	10 U	10 U	10 U	10 U	10 U
DIMETHYL PHTHALATE	10 U	10 UL	10 U	10 U	10 U	10 U	10 U
DI-N-BUTYL PHTHALATE	10 U	10 UL	10 U	10 U	10 U	10 U	10 U
DI-N-OCTYL PHTHALATE	10 U	10 UL	10 U	10 U	10 U	10 U	10 U
FLUORANTHENE	10 U	10 UL	10 U	10 U	10 U	10 U	10 U
FLUORENE	10 U	10 UL	10 U	10 U	10 U	10 U	10 U
HEXACHLOROBENZENE	10 U	10 UL	10 U	10 U	10 U	10 U	10 U
HEXACHLOROBUTADIENE	10 U	10 UL	10 U	10 U	10 U	10 U	10 U
HEXACHLOROCYCLOPENTADIENE	10 U	10 UL	10 U	10 U	10 U	10 U	10 U
HEXACHLOROETHANE	10 U	10 UL	10 U	10 U	10 U	10 U	10 U
INDENO(1,2,3-CD)PYRENE	10 U	10 UL	10 U	10 U	10 U	10 U	10 U
ISOPHORONE	10 U	10 UL	10 U	10 U	10 U	10 U	10 U
NAPHTHALENE	10 U	10 UL	10 U	10 U	10 U	10 U	10 U
NITROBENZENE	10 U	10 UL	10 U	10 U	10 U	10 U	10 U
N-NITROSODIMETHYLAMINE	10 U	10 UL	10 U	10 U	10 U	10 U	10 U
N-NITROSO-DI-N-PROPYLAMINE	10 U	10 UL	10 U	10 U	10 U	10 U	10 U
N-NITROSODIPHENYLAMINE	10 U	10 UL	10 U	10 U	10 U	10 U	10 U
PENTACHLOROPHENOL	25 U	25 U	25 U	25 U	25 U	25 U	25 U
PHENANTHRENE	10 U	10 UL	10 U	10 U	10 U	10 U	10 U
PHENOL	10 U	10 U	10 U	10 U	10 U	10 U	10 U
PYRENE	10 U	10 UL	10 U	10 U	10 U	10 U	10 U

NA - Not analyzed.

TABLE B-1
ANALYTICAL RESULTS FOR SURFACE WATER
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND
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SAMPLE ID:	SW-08-102005	SW-09-102005	SW-10-102005	SW-11-102005	SW-12-102005	SW-13-102005	SW-14-102005
LABORATORY ID:	WV5584-2	WV5584-4	WV5584-6	648323	WV5584-10	648324	648325
SAMPLE DATE:	10/20/2005	10/20/2005	10/20/2005	10/20/2005	10/20/2005	10/20/2005	10/20/2005
LOCATION:	SW-08	SW-09	SW-10	SW-11	SW-12	SW-13	SW-14
PYRIDINE	10 U	10 UL	10 U	10 U	10 U	10 U	10 U
VOLATILES (ug/L)							
1,1,1,2-TETRACHLOROETHANE	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
1,1,1-TRICHLOROETHANE	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
1,1,2,2-TETRACHLOROETHANE	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
1,1-DICHLOROETHANE	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
1,1-DICHLOROETHENE	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
1,1-DICHLOROPROPENE	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
1,2,3-TRICHLOROBENZENE	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
1,2,3-TRICHLOROPROPANE	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
1,2,3-TRIMETHYLBENZENE	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
1,2,4-TRICHLOROBENZENE	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
1,2,4-TRIMETHYLBENZENE	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
1,2-DIBROMO-3-CHLOROPROPANE	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
1,2-DIBROMOETHANE	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
1,2-DICHLOROBENZENE	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
1,2-DICHLOROETHANE	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
1,2-DICHLOROPROPANE	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
1,3-DICHLOROBENZENE	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
1,3-DICHLOROPROPANE	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
1,4-DICHLOROBENZENE	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA
2,2-DICHLOROPROPANE	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
2-BUTANONE	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
2-CHLOROETHYL VINYL ETHER	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ

NA - Not analyzed.

TABLE B-1
ANALYTICAL RESULTS FOR SURFACE WATER
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	SW-08-102005	SW-09-102005	SW-10-102005	SW-11-102005	SW-12-102005	SW-13-102005	SW-14-102005
LABORATORY ID:	WV5584-2	WV5584-4	WV5584-6	648323	WV5584-10	648324	648325
SAMPLE DATE:	10/20/2005	10/20/2005	10/20/2005	10/20/2005	10/20/2005	10/20/2005	10/20/2005
LOCATION:	SW-08	SW-09	SW-10	SW-11	SW-12	SW-13	SW-14
2-CHLOROTOLUENE	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
2-HEXANONE	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
4-CHLOROTOLUENE	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
4-ISOPROPYLTOLUENE	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
4-METHYL-2-PENTANONE	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
ACETONE	5 UR	5 UR	5 UR	5 UR	5 UR	4 B	5 UR
BENZENE	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
BROMOBENZENE	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
BROMOCHLOROMETHANE	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
BROMODICHLOROMETHANE	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
BROMOFORM	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
BROMOMETHANE	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ
CARBON DISULFIDE	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
CARBON TETRACHLORIDE	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
CHLOROBENZENE	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
CHLORODIBROMOMETHANE	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
CHLOROETHANE	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ
CHLOROFORM	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
CHLOROMETHANE	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ
CIS-1,2-DICHLOROETHENE	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
CIS-1,3-DICHLOROPROPENE	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
CYCLOHEXANE	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
DICHLORODIFLUOROMETHANE	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ
DIISOPROPYL ETHER	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
ETHYL TERT-BUTYL ETHER	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
ETHYLBENZENE	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ

NA - Not analyzed.

TABLE B-1
ANALYTICAL RESULTS FOR SURFACE WATER
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	SW-08-102005	SW-09-102005	SW-10-102005	SW-11-102005	SW-12-102005	SW-13-102005	SW-14-102005
LABORATORY ID:	WV5584-2	WV5584-4	WV5584-6	648323	WV5584-10	648324	648325
SAMPLE DATE:	10/20/2005	10/20/2005	10/20/2005	10/20/2005	10/20/2005	10/20/2005	10/20/2005
LOCATION:	SW-08	SW-09	SW-10	SW-11	SW-12	SW-13	SW-14
HEXACHLOROBUTADIENE	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
ISOPROPYLBENZENE	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
M+P-XYLENES	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ
METHYL ACETATE	NA	NA	NA	NA	NA	NA	NA
METHYL CYCLOHEXANE	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	2 UJ	1 J	1 J	2 J	1 J	2 UJ	2 J
METHYLENE CHLORIDE	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ
NAPHTHALENE	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
N-BUTYLBENZENE	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
N-PROPYLBENZENE	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
O-XYLENE	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
SEC-BUTYLBENZENE	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
STYRENE	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
TERT-AMYL METHYL ETHER	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
TERT-BUTYLBENZENE	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
TERTIARY-BUTYL ALCOHOL	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ	5 UJ
TETRACHLOROETHENE	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
TOLUENE	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
TOTAL 1,2-DICHLOROETHENE	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ
TOTAL XYLENES	3 UJ	3 UJ	3 UJ	3 UJ	3 UJ	3 UJ	3 UJ
TRANS-1,2-DICHLOROETHENE	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
TRANS-1,3-DICHLOROPROPENE	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
TRICHLOROETHENE	1 UJ	1 UJ	0.3 J	1 UJ	1 UJ	1 UJ	1 UJ
TRICHLOROFLUOROMETHANE	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ
VINYL ACETATE	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ	1 UJ
VINYL CHLORIDE	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ

NA - Not analyzed.

TABLE B-1
ANALYTICAL RESULTS FOR SURFACE WATER
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND
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	SAMPLE ID:	SW-15-102005	SW-16-102005	SW-17-102005
	LABORATORY ID:	648326	WV5584-18	648327
	SAMPLE DATE:	10/20/2005	10/20/2005	10/20/2005
	LOCATION:	SW-15	SW-16	SW-17
BUTYLTINS (ug/L)				
DIBUTYLTIN		0.037 U	NA	0.037 U
MONOBUTYLTIN		0.15 U	NA	0.15 U
TETRABUTYLTIN		0.048 U	NA	0.048 U
TRIBUTYLTIN		0.043 U	NA	0.043 U
INORGANICS (ug/L)				
ANTIMONY		4.11 U	4.2 K	4.11 U
ARSENIC		3.45 U	3.45 U	3.45 U
BARIUM		84.1	82.9	77.4
BERYLLIUM		0.35 UL	0.35 UL	0.35 UL
CADMIUM		0.4 U	0.4 U	0.4 U
CHROMIUM		1.9 K	6 K	1.01 U
COBALT		1.12 U	1.2 B	1.12 U
COPPER		1.74 UL	14 L	1.74 UL
LEAD		1.65 UL	5 L	1.65 UL
MERCURY		0.02 U	0.02 U	0.02
MOLYBDENUM		2 U	2 U	2 U
NICKEL		2.5	7.5	3.8
SELENIUM		3.59 U	3.59 U	3.59 UL
SILVER		1.04 UL	1.04 UL	1.04 UL
THALLIUM		6.13 U	6.13 U	6.13 U
VANADIUM		1.36 UL	1.36 UL	1.36 UL
ZINC		10 K	21 K	11.1
MISCELLANEOUS (mg/L)				
HEXAVALENT CHROMIUM		0.025 U	0.025 U	0.025 U
PESTICIDES/PCBs (ug/L)				
AROCLOR-1016		0.5 U	0.5 U	0.5 U

NA - Not analyzed.

TABLE B-1
ANALYTICAL RESULTS FOR SURFACE WATER
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

	SAMPLE ID:	SW-15-102005	SW-16-102005	SW-17-102005
	LABORATORY ID:	648326	WV5584-18	648327
	SAMPLE DATE:	10/20/2005	10/20/2005	10/20/2005
	LOCATION:	SW-15	SW-16	SW-17
AROCLOR-1221		0.5 U	0.5 U	0.5 U
AROCLOR-1232		0.5 U	0.5 U	0.5 U
AROCLOR-1242		0.5 U	0.5 U	0.5 U
AROCLOR-1248		0.5 U	0.5 U	0.5 U
AROCLOR-1254		0.5 U	0.5 U	0.5 U
AROCLOR-1260		0.5 U	0.5 U	0.5 U
SEMIVOLATILES (ug/L)				
1,2,4-TRICHLOROBENZENE		10 U	10 U	10 UJ
1,2-DICHLOROBENZENE		10 U	10 U	10 UJ
1,2-DIPHENYLHYDRAZINE		NA	NA	NA
1,3-DICHLOROBENZENE		10 U	10 U	10 UJ
1,4-DICHLOROBENZENE		10 U	10 U	10 UJ
1,4-DIOXANE		10 U	10 U	10 UJ
1-METHYLNAPHTHALENE		10 U	10 U	10 UJ
2,2'-OXYBIS(1-CHLOROPROPANE)		10 U	10 U	10 UJ
2,4,5-TRICHLOROPHENOL		25 U	25 U	25 UJ
2,4,6-TRICHLOROPHENOL		10 U	10 U	10 UJ
2,4-DICHLOROPHENOL		10 U	10 U	10 UJ
2,4-DIMETHYLPHENOL		10 U	10 U	10 UJ
2,4-DINITROPHENOL		25 U	25 U	25 UJ
2,4-DINITROTOLUENE		10 U	10 U	10 UJ
2,6-DINITROTOLUENE		10 U	10 U	10 UJ
2-CHLORONAPHTHALENE		10 U	10 U	10 UJ
2-CHLOROPHENOL		10 U	10 U	10 UJ
2-METHYLNAPHTHALENE		10 U	10 U	10 UJ
2-METHYLPHENOL		10 U	10 U	10 UJ
2-NITROANILINE		25 U	25 U	25 UJ

NA - Not analyzed.

TABLE B-1
ANALYTICAL RESULTS FOR SURFACE WATER
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	SW-15-102005	SW-16-102005	SW-17-102005
LABORATORY ID:	648326	WV5584-18	648327
SAMPLE DATE:	10/20/2005	10/20/2005	10/20/2005
LOCATION:	SW-15	SW-16	SW-17
2-NITROPHENOL	10 U	10 U	10 UJ
3&4-METHYLPHENOL	10 U	10 U	10 UJ
3,3'-DICHLOROBENZIDINE	10 U	10 U	10 UJ
3-NITROANILINE	25 U	25 U	25 UJ
4,6-DINITRO-2-METHYLPHENOL	25 U	25 U	25 UJ
4-BROMOPHENYL PHENYL ETHER	10 U	10 U	10 UJ
4-CHLORO-3-METHYLPHENOL	10 U	10 U	10 UJ
4-CHLOROANILINE	10 U	10 U	10 UJ
4-CHLOROPHENYL PHENYL ETHER	10 U	10 U	10 UJ
4-METHYLPHENOL	NA	NA	NA
4-NITROANILINE	25 U	25 U	25 UJ
4-NITROPHENOL	25 U	25 U	25 UJ
ACENAPHTHENE	10 U	10 U	10 UJ
ACENAPHTHYLENE	10 U	10 U	10 UJ
ANILINE	10 U	10 U	10 UJ
ANTHRACENE	10 U	10 U	10 UJ
AZOBENZENE	10 U	10 U	10 UJ
BENZIDINE	10 U	10 U	10 UR
BENZO(A)ANTHRACENE	10 U	10 U	10 UJ
BENZO(A)PYRENE	10 U	10 U	10 UJ
BENZO(B)FLUORANTHENE	10 U	10 U	10 UJ
BENZO(G,H,I)PERYLENE	10 U	10 U	10 UJ
BENZO(K)FLUORANTHENE	10 U	10 U	10 UJ
BENZOIC ACID	50 U	50 U	50 UR
BENZYL ALCOHOL	10 UJ	10 UJ	10 UJ
BIS(2-CHLOROETHOXY)METHANE	10 U	10 U	10 UJ
BIS(2-CHLOROETHYL)ETHER	10 U	10 U	10 UJ

NA - Not analyzed.

TABLE B-1
ANALYTICAL RESULTS FOR SURFACE WATER
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	SW-15-102005	SW-16-102005	SW-17-102005
LABORATORY ID:	648326	WV5584-18	648327
SAMPLE DATE:	10/20/2005	10/20/2005	10/20/2005
LOCATION:	SW-15	SW-16	SW-17
BIS(2-ETHYLHEXYL)PHTHALATE	10 U	10 U	10 UJ
BUTYL BENZYL PHTHALATE	10 U	10 U	10 UJ
CARBAZOLE	10 U	10 U	10 UJ
CHRYSENE	10 U	10 U	10 UJ
DIBENZO(A,H)ANTHRACENE	10 U	10 U	10 UJ
DIBENZOFURAN	10 U	10 U	10 UJ
DIETHYL PHTHALATE	10 U	10 U	10 UJ
DIMETHYL PHTHALATE	10 U	10 U	10 UJ
DI-N-BUTYL PHTHALATE	10 U	10 U	10 UJ
DI-N-OCTYL PHTHALATE	10 U	10 U	10 UJ
FLUORANTHENE	10 U	10 U	10 UJ
FLUORENE	10 U	10 U	10 UJ
HEXACHLOROBENZENE	10 U	10 U	10 UJ
HEXACHLOROBUTADIENE	10 U	10 U	10 UJ
HEXACHLOROCYCLOPENTADIENE	10 U	10 U	10 UJ
HEXACHLOROETHANE	10 U	10 U	10 UJ
INDENO(1,2,3-CD)PYRENE	10 U	10 U	10 UJ
ISOPHORONE	10 U	10 U	10 UJ
NAPHTHALENE	10 U	10 U	10 UJ
NITROBENZENE	10 U	10 U	10 UJ
N-NITROSODIMETHYLAMINE	10 U	10 U	10 UJ
N-NITROSO-DI-N-PROPYLAMINE	10 U	10 U	10 UJ
N-NITROSODIPHENYLAMINE	10 U	10 U	10 UJ
PENTACHLOROPHENOL	25 U	25 U	25 UJ
PHENANTHRENE	10 U	10 U	10 UJ
PHENOL	10 U	10 U	10 UJ
PYRENE	10 U	10 U	10 UJ

NA - Not analyzed.

TABLE B-1
ANALYTICAL RESULTS FOR SURFACE WATER
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

	SAMPLE ID:	SW-15-102005	SW-16-102005	SW-17-102005
	LABORATORY ID:	648326	WV5584-18	648327
	SAMPLE DATE:	10/20/2005	10/20/2005	10/20/2005
	LOCATION:	SW-15	SW-16	SW-17
PYRIDINE		10 U	10 U	10 UJ
VOLATILES (ug/L)				
1,1,1,2-TETRACHLOROETHANE		1 UJ	1 UJ	1 UJ
1,1,1-TRICHLOROETHANE		1 UJ	1 UJ	1 UJ
1,1,2,2-TETRACHLOROETHANE		1 UJ	1 UJ	1 UJ
1,1,2-TRICHLOROETHANE		NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE		1 UJ	1 UJ	1 UJ
1,1-DICHLOROETHANE		1 UJ	1 UJ	1 UJ
1,1-DICHLOROETHENE		1 UJ	1 UJ	1 UJ
1,1-DICHLOROPROPENE		1 UJ	1 UJ	1 UJ
1,2,3-TRICHLOROBENZENE		1 UJ	1 UJ	1 UJ
1,2,3-TRICHLOROPROPANE		1 UJ	1 UJ	1 UJ
1,2,3-TRIMETHYLBENZENE		1 UJ	1 UJ	1 UJ
1,2,4-TRICHLOROBENZENE		1 UJ	1 UJ	1 UJ
1,2,4-TRIMETHYLBENZENE		1 UJ	1 UJ	1 UJ
1,2-DIBROMO-3-CHLOROPROPANE		1 UJ	1 UJ	1 UJ
1,2-DIBROMOETHANE		1 UJ	1 UJ	1 UJ
1,2-DICHLOROBENZENE		1 UJ	1 UJ	1 UJ
1,2-DICHLOROETHANE		1 UJ	1 UJ	1 UJ
1,2-DICHLOROPROPANE		1 UJ	1 UJ	1 UJ
1,3-DICHLOROBENZENE		1 UJ	1 UJ	1 UJ
1,3-DICHLOROPROPANE		1 UJ	1 UJ	1 UJ
1,4-DICHLOROBENZENE		1 UJ	1 UJ	1 UJ
1,4-DIOXANE		NA	NA	NA
2,2-DICHLOROPROPANE		1 UJ	1 UJ	1 UJ
2-BUTANONE		5 UJ	5 UJ	5 UJ
2-CHLOROETHYL VINYL ETHER		1 UJ	1 UJ	1 UR

NA - Not analyzed.

TABLE B-1
ANALYTICAL RESULTS FOR SURFACE WATER
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

	SAMPLE ID:	SW-15-102005	SW-16-102005	SW-17-102005
	LABORATORY ID:	648326	WV5584-18	648327
	SAMPLE DATE:	10/20/2005	10/20/2005	10/20/2005
	LOCATION:	SW-15	SW-16	SW-17
2-CHLOROTOLUENE		1 UJ	1 UJ	1 UJ
2-HEXANONE		5 UJ	5 UJ	5 UJ
4-CHLOROTOLUENE		1 UJ	1 UJ	1 UJ
4-ISOPROPYLTOLUENE		1 UJ	1 UJ	1 UJ
4-METHYL-2-PENTANONE		5 UJ	5 UJ	5 UJ
ACETONE		5 UR	5 UR	5 UR
BENZENE		1 UJ	1 UJ	1 UJ
BROMOBENZENE		1 UJ	1 UJ	1 UJ
BROMOCHLOROMETHANE		1 UJ	1 UJ	1 UJ
BROMODICHLOROMETHANE		1 UJ	1 UJ	1 UJ
BROMOFORM		1 UJ	1 UJ	1 UJ
BROMOMETHANE		2 UJ	2 UJ	2 UJ
CARBON DISULFIDE		0.7 J	1 UJ	1 UJ
CARBON TETRACHLORIDE		1 UJ	1 UJ	1 UJ
CHLOROBENZENE		1 UJ	1 UJ	1 UJ
CHLORODIBROMOMETHANE		1 UJ	1 UJ	1 UJ
CHLOROETHANE		2 UJ	2 UJ	2 UJ
CHLOROFORM		1 UJ	1 UJ	1 UJ
CHLOROMETHANE		2 UJ	2 UJ	2 UJ
CIS-1,2-DICHLOROETHENE		1 UJ	1 UJ	1 UJ
CIS-1,3-DICHLOROPROPENE		1 UJ	1 UJ	1 UJ
CYCLOHEXANE		NA	NA	NA
DIBROMOMETHANE		1 UJ	1 UJ	1 UJ
DICHLORODIFLUOROMETHANE		2 UJ	2 UJ	2 UJ
DIISOPROPYL ETHER		1 UJ	1 UJ	1 UJ
ETHYL TERT-BUTYL ETHER		1 UJ	1 UJ	1 UJ
ETHYLBENZENE		1 UJ	1 UJ	1 UJ

NA - Not analyzed.

TABLE B-1
ANALYTICAL RESULTS FOR SURFACE WATER
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

	SAMPLE ID:	SW-15-102005	SW-16-102005	SW-17-102005
	LABORATORY ID:	648326	WV5584-18	648327
	SAMPLE DATE:	10/20/2005	10/20/2005	10/20/2005
	LOCATION:	SW-15	SW-16	SW-17
HEXACHLOROBUTADIENE		1 UJ	1 UJ	1 UJ
ISOPROPYLBENZENE		1 UJ	1 UJ	1 UJ
M+P-XYLENES		2 UJ	2 UJ	2 UJ
METHYL ACETATE		NA	NA	NA
METHYL CYCLOHEXANE		NA	NA	NA
METHYL TERT-BUTYL ETHER		2 J	1 J	1 J
METHYLENE CHLORIDE		2 UJ	2 UJ	2 UJ
NAPHTHALENE		1 UJ	1 UJ	1 UJ
N-BUTYLBENZENE		1 UJ	1 UJ	1 UJ
N-PROPYLBENZENE		1 UJ	1 UJ	1 UJ
O-XYLENE		1 UJ	1 UJ	1 UJ
SEC-BUTYLBENZENE		1 UJ	1 UJ	1 UJ
STYRENE		1 UJ	1 UJ	1 UJ
TERT-AMYL METHYL ETHER		1 UJ	1 UJ	1 UJ
TERT-BUTYLBENZENE		1 UJ	1 UJ	1 UJ
TERTIARY-BUTYL ALCOHOL		5 UJ	5 UJ	5 UJ
TETRACHLOROETHENE		1 UJ	1 UJ	1 UJ
TOLUENE		1 UJ	1 UJ	1 UR
TOTAL 1,2-DICHLOROETHENE		2 UJ	2 UJ	2 UJ
TOTAL XYLENES		3 UJ	3 UJ	3 UJ
TRANS-1,2-DICHLOROETHENE		1 UJ	1 UJ	1 UJ
TRANS-1,3-DICHLOROPROPENE		1 UJ	1 UJ	1 UJ
TRICHLOROETHENE		1 UJ	1 UJ	1 UJ
TRICHLOROFLUOROMETHANE		2 UJ	2 UJ	2 UJ
VINYL ACETATE		1 UJ	1 UJ	1 UJ
VINYL CHLORIDE		2 UJ	2 UJ	2 UJ

NA - Not analyzed.

TABLE B-2
ANALYTICAL RESULTS FOR SEDIMENT
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

	SAMPLE ID:	SD-1-031705	SD-2-031805	SD-3-031705	SD-04-031705	SD-5-031805	SD-6-031805	SD-7-031805
	LABORATORY ID:	503077-016	503094-004	503077-017	503077-018	503094-006	503094-005	503094-001
	SAMPLE DATE:	3/17/2005	3/18/2005	3/17/2005	3/17/2005	3/18/2005	3/18/2005	3/18/2005
	LOCATION:	SD-1	SD-2	SD-3	SD-4	SD-5	SD-6	SD-7
BUTYLTINS (ug/kg)								
DIBUTYLTIN		NA	NA	NA	NA	NA	NA	NA
MONOBUTYLTIN		NA	NA	NA	NA	NA	NA	NA
TETRABUTYLTIN		NA	NA	NA	NA	NA	NA	NA
TRIBUTYLTIN		NA	NA	NA	NA	NA	NA	NA
INORGANICS (mg/kg)								
ANTIMONY		0.54 B	1.1 B	0.94 B	4.6	1.9 B	1.7 B	0.47 B
ARSENIC		2.6	5.7 K	2.1	3.3	4.6	4.8 K	4.3 K
BARIUM		NA	NA	NA	NA	NA	NA	NA
BERYLLIUM		1.2	1.1 J	1	0.77	1 J	1.3 J	1.1 J
CADMIUM		0.47	7.9 K	0.42	20.5	20.9 K	34.8 K	5.6 K
CHROMIUM		90.9	138	103	113	203	391	76.8
COBALT		NA	NA	NA	NA	NA	NA	NA
COPPER		12	113	14.9	25	61.2	84.8	41.2
LEAD		151	101	90.2	140	107	145	64.1
MERCURY		0.71	0.34	0.016 U	0.027	0.1	0.32	0.084
MOLYBDENUM		NA	NA	NA	NA	NA	NA	NA
NICKEL		69.4	23.2	51.5	17.2	30	27.3	12.3
SELENIUM		0.48 U	1.9	1.6 K	1 U	0.87	1	0.9
SILVER		0.097 U	1.3	0.092 U	0.21 U	0.77	2.6	0.46
THALLIUM		0.29 U	0.56 U	0.28 U	0.62 UL	0.42 U	0.51 U	0.46 U
VANADIUM		NA	NA	NA	NA	NA	NA	NA
ZINC		80	230	54.7	276	331	425	138
MISCELLANEOUS (%)								
PERCENT SOLIDS		81	42	85	72	49	44	49
TOTAL SOLIDS		NA	NA	NA	NA	NA	NA	NA

NA - Not analyzed.

TABLE B-2
ANALYTICAL RESULTS FOR SEDIMENT
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND
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SAMPLE ID:	SD-1-031705	SD-2-031805	SD-3-031705	SD-04-031705	SD-5-031805	SD-6-031805	SD-7-031805
LABORATORY ID:	503077-016	503094-004	503077-017	503077-018	503094-006	503094-005	503094-001
SAMPLE DATE:	3/17/2005	3/18/2005	3/17/2005	3/17/2005	3/18/2005	3/18/2005	3/18/2005
LOCATION:	SD-1	SD-2	SD-3	SD-4	SD-5	SD-6	SD-7
MISCELLANEOUS (mg/kg)							
HEXAVALENT CHROMIUM	0.49 U	0.87 U	0.44 U	0.53 U	0.72 U	0.87 U	1.2
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS (ug/kg)							
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBs (ug/kg)							
AROCLOR-1016	41 U	80 U	39 U	46 U	68 U	79 U	68 U
AROCLOR-1221	41 U	80 U	39 U	46 U	68 U	79 U	68 U
AROCLOR-1232	41 U	80 U	39 U	46 U	68 U	79 U	68 U
AROCLOR-1242	41 U	80 U	39 U	46 U	68 U	79 U	68 U
AROCLOR-1248	41 U	80 U	39 U	46 U	68 U	79 U	68 U
AROCLOR-1254	41 U	80 U	39 U	46 U	68 U	79 U	68 U
AROCLOR-1260	41 U	160	53	46 U	420 J	540 J	110
SEMIVOLATILE SOIL (ug/kg)							
1,2,4-TRICHLOROBENZENE	410 U	800 U	390 U	460 U	680 U	790 U	680 U
1,2-DICHLOROBENZENE	410 U	800 U	390 U	460 U	680 U	790 U	680 U
1,2-DIPHENYLHYDRAZINE	410 U	800 U	390 U	460 U	680 U	790 U	680 U
1,3-DICHLOROBENZENE	410 U	800 U	390 U	460 U	680 U	790 U	680 U
1,4-DICHLOROBENZENE	410 U	800 U	390 U	460 U	680 U	790 U	680 U
1,4-DIOXANE	NA	NA	NA	NA	NA	NA	NA
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	410 U	800 U	390 U	460 U	680 U	790 U	680 U
2,4,5-TRICHLOROPHENOL	410 U	800 U	390 U	460 U	680 U	790 U	680 U
2,4,6-TRICHLOROPHENOL	410 U	800 U	390 U	460 U	680 U	790 U	680 U
2,4-DICHLOROPHENOL	410 U	800 U	390 U	460 U	680 U	790 U	680 U
2,4-DIMETHYLPHENOL	410 U	800 U	390 U	460 U	680 U	790 U	680 U

NA - Not analyzed.

TABLE B-2
ANALYTICAL RESULTS FOR SEDIMENT
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND
PAGE 3 OF 72

SAMPLE ID:	SD-1-031705	SD-2-031805	SD-3-031705	SD-04-031705	SD-5-031805	SD-6-031805	SD-7-031805
LABORATORY ID:	503077-016	503094-004	503077-017	503077-018	503094-006	503094-005	503094-001
SAMPLE DATE:	3/17/2005	3/18/2005	3/17/2005	3/17/2005	3/18/2005	3/18/2005	3/18/2005
LOCATION:	SD-1	SD-2	SD-3	SD-4	SD-5	SD-6	SD-7
2,4-DINITROPHENOL	820 U	1600 U	790 U	920 U	1400 U	1600 U	1400 U
2,4-DINITROTOLUENE	410 U	800 U	390 U	460 U	680 U	790 U	680 U
2,6-DINITROTOLUENE	410 U	800 U	390 U	460 U	680 U	790 U	680 U
2-CHLORONAPHTHALENE	410 U	800 U	390 U	460 U	680 U	790 U	680 U
2-CHLOROPHENOL	410 U	800 U	390 U	460 U	680 U	790 U	680 U
2-METHYLNAPHTHALENE	30 J	800 U	390 U	34 J	680 U	790 U	680 U
2-METHYLPHENOL	410 U	800 U	390 U	460 U	680 U	790 U	680 U
2-NITROANILINE	410 U	800 U	390 U	460 U	680 U	790 U	680 U
2-NITROPHENOL	410 U	800 U	390 U	460 U	680 U	790 U	680 U
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	820 U	1600 U	790 U	920 U	1400 U	1600 U	1400 U
3-NITROANILINE	410 U	800 U	390 U	460 U	680 U	790 U	680 U
4,6-DINITRO-2-METHYLPHENOL	820 U	1600 U	790 U	920 U	1400 U	1600 U	1400 U
4-BROMOPHENYL PHENYL ETHER	410 U	800 U	390 U	460 U	680 U	790 U	680 U
4-CHLORO-3-METHYLPHENOL	410 U	800 U	390 U	460 U	680 U	790 U	680 U
4-CHLOROANILINE	410 U	800 U	390 U	460 U	680 U	790 U	680 U
4-CHLOROPHENYL PHENYL ETHER	410 U	800 U	390 U	460 U	680 U	790 U	680 U
4-METHYLPHENOL	410 U	800 U	390 U	460 U	680 U	790 U	680 U
4-NITROANILINE	410 U	800 U	390 U	460 U	680 U	790 U	680 U
4-NITROPHENOL	820 U	1600 U	790 U	920 U	1400 U	1600 U	1400 U
ACENAPHTHENE	410 U	800 U	390 U	460 U	680 U	790 U	680 U
ACENAPHTHYLENE	180 J	800 U	390 U	55 J	680 U	790 U	680 U
ANILINE	410 U	800 U	390 U	460 U	680 U	790 U	680 U
ANTHRACENE	140 J	800 U	100 J	200 J	290 J	790 U	680 U
AZOBENZENE	NA	NA	NA	NA	NA	NA	NA
BENZIDINE	410 U	800 U	390 U	460 U	680 U	790 U	680 U

NA - Not analyzed.

TABLE B-2
ANALYTICAL RESULTS FOR SEDIMENT
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND
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SAMPLE ID:	SD-1-031705	SD-2-031805	SD-3-031705	SD-04-031705	SD-5-031805	SD-6-031805	SD-7-031805
LABORATORY ID:	503077-016	503094-004	503077-017	503077-018	503094-006	503094-005	503094-001
SAMPLE DATE:	3/17/2005	3/18/2005	3/17/2005	3/17/2005	3/18/2005	3/18/2005	3/18/2005
LOCATION:	SD-1	SD-2	SD-3	SD-4	SD-5	SD-6	SD-7
BENZO(A)ANTHRACENE	650	140 J	410	750	1200	440 J	140 J
BENZO(A)PYRENE	530	140 J	420	630	1000	450 J	150 J
BENZO(B)FLUORANTHENE	800	180 J	530	710	1500	490 J	200 J
BENZO(G,H,I)PERYLENE	320 J	800 U	300 J	390 J	670 J	370 J	110 J
BENZO(K)FLUORANTHENE	190 J	800 U	170 J	270 J	550 J	270 J	680 U
BENZOIC ACID	820 U	1600 U	790 U	920 U	1400 U	1600 U	1400 U
BENZYL ALCOHOL	410 U	800 U	390 U	460 U	680 U	790 U	680 U
BIS(2-CHLOROETHOXY)METHANE	410 U	800 U	390 U	460 U	680 U	790 U	680 U
BIS(2-CHLOROETHYL)ETHER	410 U	800 U	390 U	460 U	680 U	790 U	680 U
BIS(2-ETHYLHEXYL)PHTHALATE	730 J	290 J	370 J	400 J	1500 J	1200 J	430 J
BUTYL BENZYL PHTHALATE	2500	800 U	390 U	460 U	680 U	790 U	680 U
CARBAZOLE	410 U	800 U	390 U	460 U	190 J	790 U	680 U
CHRYSENE	730	190 J	450	830	1300	410 J	140 J
DIBENZO(A,H)ANTHRACENE	410 U	800 U	390 U	460 U	680 U	790 U	680 U
DIBENZOFURAN	410 U	800 U	390 U	460 U	680 U	790 U	680 U
DIETHYL PHTHALATE	410 U	800 U	390 U	460 U	680 U	790 U	680 U
DIMETHYL PHTHALATE	410 U	800 U	390 U	460 U	680 U	790 U	680 U
DI-N-BUTYL PHTHALATE	410 U	800 U	390 U	460 U	680 U	790 U	680 U
DI-N-OCTYL PHTHALATE	410 U	800 U	390 U	460 U	680 U	790 U	680 U
FLUORANTHENE	1000	310 J	750	1400	2300	740 J	250 J
FLUORENE	54 J	800 U	390 U	130 J	680 U	790 U	680 U
HEXACHLOROBENZENE	410 U	800 U	390 U	460 U	680 U	790 U	680 U
HEXACHLOROBUTADIENE	410 U	800 U	390 U	460 U	680 U	790 U	680 U
HEXACHLOROCYCLOPENTADIENE	410 U	800 U	390 U	460 U	680 U	790 U	680 U
HEXACHLOROETHANE	410 U	800 U	390 U	460 U	680 U	790 U	680 U
INDENO(1,2,3-CD)PYRENE	280 J	800 U	250 J	330 J	610 J	290 J	95 J

NA - Not analyzed.

TABLE B-2
ANALYTICAL RESULTS FOR SEDIMENT
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND
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SAMPLE ID:	SD-1-031705	SD-2-031805	SD-3-031705	SD-04-031705	SD-5-031805	SD-6-031805	SD-7-031805
LABORATORY ID:	503077-016	503094-004	503077-017	503077-018	503094-006	503094-005	503094-001
SAMPLE DATE:	3/17/2005	3/18/2005	3/17/2005	3/17/2005	3/18/2005	3/18/2005	3/18/2005
LOCATION:	SD-1	SD-2	SD-3	SD-4	SD-5	SD-6	SD-7
ISOPHORONE	410 U	800 U	390 U	460 U	680 U	790 U	680 U
NAPHTHALENE	410 U	800 U	390 U	460 U	680 U	790 U	680 U
NITROBENZENE	410 U	800 U	390 U	460 U	680 U	790 U	680 U
N-NITROSODIMETHYLAMINE	410 U	800 U	390 U	460 U	680 U	790 U	680 U
N-NITROSO-DI-N-PROPYLAMINE	410 U	800 U	390 U	460 U	680 U	790 U	680 U
N-NITROSODIPHENYLAMINE	410 U	800 U	390 U	460 U	680 U	790 U	680 U
PENTACHLOROPHENOL	820 U	1600 U	790 U	920 U	1400 U	1600 U	1400 U
PHENANTHRENE	550	100 J	450	1400	1300	330 J	130 J
PHENOL	410 U	800 U	390 U	460 U	680 U	790 U	680 U
PYRENE	1200	270 J	880	1800	2200	870	270 J
PYRIDINE	410 U	800 U	390 U	460 U	680 U	790 U	680 U
VOLATILE SOILS (ug/kg)							
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1,1-TRICHLOROETHANE	6.1 U	12 U	5.9 U	6.9 U	10 U	12 U	10 U
1,1,2,2-TETRACHLOROETHANE	6.1 U	12 U	5.9 U	6.9 U	10 U	12 U	10 U
1,1,2-TRICHLOROETHANE	6.1 U	12 U	5.9 U	6.9 U	10 U	12 U	10 U
1,1,2-TRICHLOROTRIFLUOROETHANE	6.1 U	12 U	5.9 U	6.9 U	10 U	12 U	10 U
1,1-DICHLOROETHANE	6.1 U	12 U	5.9 U	6.9 U	10 U	12 U	10 U
1,1-DICHLOROETHENE	6.1 U	12 U	5.9 U	6.9 U	10 U	12 U	10 U
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2,4-TRICHLOROBENZENE	6.1 U	12 U	5.9 U	6.9 U	10 U	12 U	10 U
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	NA	NA
1,2-DIBROMO-3-CHLOROPROPANE	6.1 U	12 U	5.9 U	6.9 U	10 U	12 U	10 U

NA - Not analyzed.

TABLE B-2
ANALYTICAL RESULTS FOR SEDIMENT
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	SD-1-031705	SD-2-031805	SD-3-031705	SD-04-031705	SD-5-031805	SD-6-031805	SD-7-031805
LABORATORY ID:	503077-016	503094-004	503077-017	503077-018	503094-006	503094-005	503094-001
SAMPLE DATE:	3/17/2005	3/18/2005	3/17/2005	3/17/2005	3/18/2005	3/18/2005	3/18/2005
LOCATION:	SD-1	SD-2	SD-3	SD-4	SD-5	SD-6	SD-7
1,2-DIBROMOETHANE	6.1 U	12 U	5.9 U	6.9 U	10 U	12 U	10 U
1,2-DICHLOROBENZENE	6.1 U	12 U	5.9 U	6.9 U	10 U	12 U	10 U
1,2-DICHLOROETHANE	6.1 U	12 U	5.9 U	6.9 U	10 U	12 U	10 U
1,2-DICHLOROPROPANE	6.1 U	12 U	5.9 U	6.9 U	10 U	12 U	10 U
1,3-DICHLOROBENZENE	6.1 U	12 U	5.9 U	6.9 U	10 U	12 U	10 U
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
1,4-DICHLOROBENZENE	6.1 U	12 U	5.9 U	6.9 U	10 U	12 U	10 U
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	NA	NA
2-BUTANONE	12 U	24 U	12 U	14 U	20 U	24 U	21 U
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	NA	NA
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA
2-HEXANONE	12 U	24 U	12 U	14 U	20 U	24 U	21 U
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	NA	NA
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	NA	NA
4-METHYL-2-PENTANONE	12 U	24 U	12 U	14 U	20 U	24 U	21 U
ACETONE	12 J	19 B	7.1 J	14 U	15 B	24 U	91 B
BENZENE	6.1 U	12 U	5.9 U	6.9 U	10 U	12 U	10 U
BROMOBENZENE	NA	NA	NA	NA	NA	NA	NA
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	NA	NA
BROMODICHLOROMETHANE	6.1 U	12 U	5.9 U	6.9 U	10 U	12 U	10 U
BROMOFORM	6.1 U	12 U	5.9 U	6.9 U	10 U	12 U	10 U
BROMOMETHANE	12 U	24 U	12 U	14 U	20 U	24 U	21 U
CARBON DISULFIDE	6.1 U	12 U	5.9 U	6.9 U	10 U	12 U	10 U
CARBON TETRACHLORIDE	6.1 U	12 U	5.9 U	6.9 U	10 U	12 U	10 U
CHLOROBENZENE	6.1 U	12 U	5.9 U	6.9 U	10 U	12 U	10 U
CHLORODIBROMOMETHANE	6.1 U	12 U	5.9 U	6.9 U	10 U	12 U	10 U

NA - Not analyzed.

TABLE B-2
ANALYTICAL RESULTS FOR SEDIMENT
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	SD-1-031705	SD-2-031805	SD-3-031705	SD-04-031705	SD-5-031805	SD-6-031805	SD-7-031805
LABORATORY ID:	503077-016	503094-004	503077-017	503077-018	503094-006	503094-005	503094-001
SAMPLE DATE:	3/17/2005	3/18/2005	3/17/2005	3/17/2005	3/18/2005	3/18/2005	3/18/2005
LOCATION:	SD-1	SD-2	SD-3	SD-4	SD-5	SD-6	SD-7
CHLOROETHANE	12 U	24 U	12 U	14 U	20 U	24 U	21 U
CHLOROFORM	6.1 U	12 U	5.9 U	6.9 U	10 U	12 U	10 U
CHLOROMETHANE	12 U	24 U	12 U	14 U	20 U	24 U	21 U
CIS-1,2-DICHLOROETHENE	6.1 U	12 U	5.9 U	6.9 U	10 U	12 U	10 U
CIS-1,3-DICHLOROPROPENE	6.1 U	12 U	5.9 U	6.9 U	10 U	12 U	10 U
CYCLOHEXANE	6.1 U	12 U	5.9 U	6.9 U	10 U	12 U	10 U
DIBROMOMETHANE	NA	NA	NA	NA	NA	NA	NA
DICHLORODIFLUOROMETHANE	6.1 U	12 U	5.9 U	6.9 U	10 U	12 U	10 U
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	NA	NA
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	NA	NA
ETHYLBENZENE	6.1 U	12 U	5.9 U	6.9 U	10 U	12 U	10 U
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	NA	NA
ISOPROPYLBENZENE	6.1 U	12 U	5.9 U	6.9 U	10 U	12 U	10 U
M+P-XYLENES	6.1 U	12 U	5.9 U	6.9 U	10 U	12 U	10 U
METHYL ACETATE	6.1 U	12 U	5.9 U	6.9 U	10 U	12 U	10 U
METHYL CYCLOHEXANE	6.1 U	12 U	5.9 U	6.9 U	10 U	12 U	10 U
METHYL TERT-BUTYL ETHER	6.1 U	12 U	5.9 U	6.9 U	10 U	12 U	10 U
METHYLENE CHLORIDE	12 U	24 U	12 U	14 U	20 U	24 U	21 U
NAPHTHALENE	NA	NA	NA	NA	NA	NA	NA
N-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA
N-PROPYLBENZENE	NA	NA	NA	NA	NA	NA	NA
O-XYLENE	6.1 U	12 U	5.9 U	6.9 U	10 U	12 U	10 U
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA
STYRENE	6.1 U	12 U	5.9 U	6.9 U	10 U	12 U	10 U
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	NA	NA
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	NA	NA

NA - Not analyzed.

TABLE B-2
ANALYTICAL RESULTS FOR SEDIMENT
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	SD-1-031705	SD-2-031805	SD-3-031705	SD-04-031705	SD-5-031805	SD-6-031805	SD-7-031805
LABORATORY ID:	503077-016	503094-004	503077-017	503077-018	503094-006	503094-005	503094-001
SAMPLE DATE:	3/17/2005	3/18/2005	3/17/2005	3/17/2005	3/18/2005	3/18/2005	3/18/2005
LOCATION:	SD-1	SD-2	SD-3	SD-4	SD-5	SD-6	SD-7
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	NA	NA
TETRACHLOROETHENE	6.1 U	12 U	5.9 U	6.9 U	10 U	12 U	10 U
TOLUENE	6.1 U	12 U	5.9 U	6.9 U	10 U	12 U	10 U
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	NA	NA
TOTAL XYLENES	NA	NA	NA	NA	NA	NA	NA
TRANS-1,2-DICHLOROETHENE	6.1 U	12 U	5.9 U	6.9 U	10 U	12 U	10 U
TRANS-1,3-DICHLOROPROPENE	6.1 U	12 U	5.9 U	6.9 U	10 U	12 U	10 U
TRICHLOROETHENE	6.1 U	12 U	5.9 U	6.9 U	10 U	12 U	10 U
TRICHLOROFLUOROMETHANE	6.1 U	12 U	5.9 U	6.9 U	10 U	12 U	10 U
VINYL ACETATE	NA	NA	NA	NA	NA	NA	NA
VINYL CHLORIDE	12 U	24 U	12 U	14 U	20 U	24 U	21 U

NA - Not analyzed.

TABLE B-2
ANALYTICAL RESULTS FOR SEDIMENT
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	SD-8-031805	SD-9-031805	SD-10-031805	SD-11-031805	SD-12-031805	SD-13-SS	SD-13-01
LABORATORY ID:	503094-002	503094-003	503094-007	503094-008	503094-009	WV5583-1	WV5583-2
SAMPLE DATE:	3/18/2005	3/18/2005	3/18/2005	3/18/2005	3/18/2005	10/20/2005	10/20/2005
LOCATION:	SD-8	SD-9	SD-10	SD-11	SD-12	SD-13	SD-13
BUTYLTINS (ug/kg)							
DIBUTYLTIN	NA	NA	NA	NA	NA	NA	NA
MONOBUTYLTIN	NA	NA	NA	NA	NA	NA	NA
TETRABUTYLTIN	NA	NA	NA	NA	NA	NA	NA
TRIBUTYLTIN	NA	NA	NA	NA	NA	NA	NA
INORGANICS (mg/kg)							
ANTIMONY	1.1 B	2.1 B	1.9 B	1 B	2.1 B	1.09 UJ	2
ARSENIC	5.9	11.6	9.4	5.3	9.7	9 J	6.9
BARIUM	NA	NA	NA	NA	NA	49.5 J	68.9
BERYLLIUM	1.2 J	1.7 J	2.1 J	1 J	2.2 J	2.2 J	1.8
CADMIUM	5 K	6.1 K	4.9 K	3.5 K	5.9 K	5.9 J	13.6
CHROMIUM	89.1	103	87.1	58.1	106	124 J	227
COBALT	NA	NA	NA	NA	NA	18.8 J	14.5
COPPER	82.6	159	119	64.3	140	116 J	107
LEAD	67.8	103	88.9	59.6	115	127 J	242
MERCURY	0.17	0.3	0.27	0.21	0.35	0.48 J	0.73 L
MOLYBDENUM	NA	NA	NA	NA	NA	2 J	1.9
NICKEL	19.6	39	33	16.5	35.6	42.5 J	49.6
SELENIUM	0.85	2.1	2.1	1.4	2.9	0.95 UJ	0.79 UL
SILVER	0.79	1.2	1.4	2.9	2	2.3 J	16.2
THALLIUM	0.46 B	0.69 U	0.67 U	0.44 U	0.77 U	1.63 UJ	1.36 U
VANADIUM	NA	NA	NA	NA	NA	55 J	82.2
ZINC	184	401	339	199	423	464 J	423
MISCELLANEOUS (%)							
PERCENT SOLIDS	50	32	35	56	30	NA	NA
TOTAL SOLIDS	NA	NA	NA	NA	NA	26	32

NA - Not analyzed.

TABLE B-2
ANALYTICAL RESULTS FOR SEDIMENT
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND
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SAMPLE ID:	SD-8-031805	SD-9-031805	SD-10-031805	SD-11-031805	SD-12-031805	SD-13-SS	SD-13-01
LABORATORY ID:	503094-002	503094-003	503094-007	503094-008	503094-009	WV5583-1	WV5583-2
SAMPLE DATE:	3/18/2005	3/18/2005	3/18/2005	3/18/2005	3/18/2005	10/20/2005	10/20/2005
LOCATION:	SD-8	SD-9	SD-10	SD-11	SD-12	SD-13	SD-13
MISCELLANEOUS (mg/kg)							
HEXAVALENT CHROMIUM	0.74 U	1.3 U	1.2 U	0.74	1.4 U	8.2 J	1.5 UL
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS (ug/kg)							
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBs (ug/kg)							
AROCLOR-1016	67 U	11000 U	190 U	300 U	220 U	66 UJ	53 U
AROCLOR-1221	67 U	11000 U	190 U	300 U	220 U	66 UJ	53 U
AROCLOR-1232	67 U	11000 U	190 U	300 U	220 U	66 UJ	53 U
AROCLOR-1242	67 U	11000 U	190 U	300 U	220 U	66 UJ	53 U
AROCLOR-1248	67 U	11000 U	190 U	300 U	220 U	66 UJ	53 U
AROCLOR-1254	67 U	11000 U	190 U	300 U	220 U	66 UJ	53 U
AROCLOR-1260	370	54000	1300	1400	1800	1400 J	2500
SEMIVOLATILE SOIL (ug/kg)							
1,2,4-TRICHLOROBENZENE	670 U	1100 U	960 U	600 U	1100 U	1300 UJ	1000 U
1,2-DICHLOROBENZENE	670 U	1100 U	960 U	600 U	1100 U	1300 UJ	260 J
1,2-DIPHENYLHYDRAZINE	670 U	1100 U	960 U	600 U	1100 U	NA	NA
1,3-DICHLOROBENZENE	670 U	1100 U	960 U	600 U	1100 U	1300 UJ	1000 U
1,4-DICHLOROBENZENE	670 U	1100 U	960 U	600 U	1100 U	230 J	180 J
1,4-DIOXANE	NA	NA	NA	NA	NA	1300 UJ	1000 U
1-METHYLNAPHTHALENE	NA	NA	NA	NA	NA	1300 UJ	1000 U
2,2'-OXYBIS(1-CHLOROPROPANE)	670 U	1100 U	960 U	600 U	1100 U	1300 UJ	1000 U
2,4,5-TRICHLOROPHENOL	670 U	1100 U	960 U	600 U	1100 U	3200 UJ	2500 U
2,4,6-TRICHLOROPHENOL	670 U	1100 U	960 U	600 U	1100 U	1300 UJ	1000 U
2,4-DICHLOROPHENOL	670 U	1100 U	960 U	600 U	1100 U	1300 UJ	1000 U
2,4-DIMETHYLPHENOL	670 U	1100 U	960 U	600 U	1100 U	1300 UJ	1000 U

NA - Not analyzed.

TABLE B-2
ANALYTICAL RESULTS FOR SEDIMENT
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND
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SAMPLE ID:	SD-8-031805	SD-9-031805	SD-10-031805	SD-11-031805	SD-12-031805	SD-13-SS	SD-13-01
LABORATORY ID:	503094-002	503094-003	503094-007	503094-008	503094-009	WV5583-1	WV5583-2
SAMPLE DATE:	3/18/2005	3/18/2005	3/18/2005	3/18/2005	3/18/2005	10/20/2005	10/20/2005
LOCATION:	SD-8	SD-9	SD-10	SD-11	SD-12	SD-13	SD-13
2,4-DINITROPHENOL	1300 U	2100 U	1900 U	1200 U	2200 U	3200 UJ	2500 U
2,4-DINITROTOLUENE	670 U	1100 U	960 U	600 U	1100 U	1300 UJ	1000 U
2,6-DINITROTOLUENE	670 U	1100 U	960 U	600 U	1100 U	1300 UJ	1000 U
2-CHLORONAPHTHALENE	670 U	1100 U	960 U	600 U	1100 U	1300 UJ	1000 U
2-CHLOROPHENOL	670 U	1100 U	960 U	600 U	1100 U	1300 UJ	1000 U
2-METHYLNAPHTHALENE	670 U	1100 U	960 U	600 U	1100 U	1300 UJ	340 J
2-METHYLPHENOL	670 U	1100 U	960 U	600 U	1100 U	1300 UJ	1000 U
2-NITROANILINE	670 U	1100 U	960 U	600 U	1100 U	3200 UJ	2500 U
2-NITROPHENOL	670 U	1100 U	960 U	600 U	1100 U	1300 UJ	1000 U
3&4-METHYLPHENOL	NA	NA	NA	NA	NA	1300 UJ	1000 U
3,3'-DICHLOROBENZIDINE	1300 U	2100 U	1900 U	1200 U	2200 U	1300 UJ	1000 UJ
3-NITROANILINE	670 U	1100 U	960 U	600 U	1100 U	3200 UJ	2500 U
4,6-DINITRO-2-METHYLPHENOL	1300 U	2100 U	1900 U	1200 U	2200 U	3200 UJ	2500 UJ
4-BROMOPHENYL PHENYL ETHER	670 U	1100 U	960 U	600 U	1100 U	1300 UJ	1000 UJ
4-CHLORO-3-METHYLPHENOL	670 U	1100 U	960 U	600 U	1100 U	1300 UJ	1000 U
4-CHLOROANILINE	670 U	1100 U	960 U	600 U	1100 U	1300 UJ	1000 U
4-CHLOROPHENYL PHENYL ETHER	670 U	1100 U	960 U	600 U	1100 U	1300 UJ	1000 U
4-METHYLPHENOL	670 U	1100 U	960 U	600 U	1100 U	NA	NA
4-NITROANILINE	670 U	1100 U	960 U	600 U	1100 U	3200 UJ	2500 U
4-NITROPHENOL	1300 U	2100 U	1900 U	1200 U	2200 U	3200 UJ	2500 U
ACENAPHTHENE	670 U	1100 U	190 J	600 U	1100 U	1300 UJ	750 J
ACENAPHTHYLENE	63 J	1100 U	960 U	600 U	1100 U	1300 UJ	1000 U
ANILINE	670 U	1100 U	960 U	600 U	1100 U	1300 UJ	1000 U
ANTHRACENE	120 J	180 J	500 J	600 U	1100 U	310 J	1600 J
AZOBENZENE	NA	NA	NA	NA	NA	1300 UJ	1000 U
BENZIDINE	670 U	1100 U	960 U	600 U	1100 U	3200 UJ	2500 UJ

NA - Not analyzed.

TABLE B-2
ANALYTICAL RESULTS FOR SEDIMENT
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND
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SAMPLE ID:	SD-8-031805	SD-9-031805	SD-10-031805	SD-11-031805	SD-12-031805	SD-13-SS	SD-13-01
LABORATORY ID:	503094-002	503094-003	503094-007	503094-008	503094-009	WV5583-1	WV5583-2
SAMPLE DATE:	3/18/2005	3/18/2005	3/18/2005	3/18/2005	3/18/2005	10/20/2005	10/20/2005
LOCATION:	SD-8	SD-9	SD-10	SD-11	SD-12	SD-13	SD-13
BENZO(A)ANTHRACENE	580 J	790 J	1300	600 U	1100 J	2000 J	7600 J
BENZO(A)PYRENE	500 J	810 J	1100	600 U	1100 J	2500 J	7300 J
BENZO(B)FLUORANTHENE	800	1600	1400	600 U	1600	3700 J	10000 J
BENZO(G,H,I)PERYLENE	310 J	670 J	740 J	600 U	760 J	2000 J	4800 J
BENZO(K)FLUORANTHENE	290 J	400 J	490 J	600 U	530 J	1800 J	4500 J
BENZOIC ACID	1300 U	2100 U	1900 U	1200 U	2200 U	3200 UJ	2500 U
BENZYL ALCOHOL	670 U	1100 U	960 U	600 U	1100 U	1300 UJ	1000 UJ
BIS(2-CHLOROETHOXY)METHANE	670 U	1100 U	960 U	600 U	1100 U	1300 UJ	1000 U
BIS(2-CHLOROETHYL)ETHER	670 U	1100 U	960 U	600 U	1100 U	1300 UJ	1000 U
BIS(2-ETHYLHEXYL)PHTHALATE	180 J	310 J	280 J	78 J	430 J	1400 J	3400 J
BUTYL BENZYL PHTHALATE	670 U	1100 U	960 U	600 U	160 J	1300 UJ	830 J
CARBAZOLE	670 U	1100 U	250 J	600 U	1100 U	1300 UJ	1000 J
CHRYSENE	710	1100	1300	600 U	1200	3000 J	9300 J
DIBENZO(A,H)ANTHRACENE	670 U	160 J	960 U	600 U	1100 U	1300 UJ	790 J
DIBENZOFURAN	670 U	1100 U	960 U	600 U	1100 U	1300 UJ	400 J
DIETHYL PHTHALATE	670 U	1100 U	960 U	600 U	1100 U	1300 UJ	1000 U
DIMETHYL PHTHALATE	670 U	1100 U	960 U	600 U	1100 U	1300 UJ	1000 U
DI-N-BUTYL PHTHALATE	670 U	1100 U	960 U	600 U	1100 U	1300 UJ	1000 UJ
DI-N-OCTYL PHTHALATE	670 U	1100 U	960 U	600 U	1100 U	1300 UJ	1000 UJ
FLUORANTHENE	1500	2300	2700	600 U	2000	4200 J	11000 J
FLUORENE	670 U	1100 U	250 J	600 U	1100 U	1300 UJ	570 J
HEXACHLOROBENZENE	670 U	1100 U	960 U	600 U	1100 U	1300 UJ	1000 UJ
HEXACHLOROBUTADIENE	670 U	1100 U	960 U	600 U	1100 U	1300 UJ	1000 U
HEXACHLOROCYCLOPENTADIENE	670 U	1100 U	960 U	600 U	1100 U	1300 UJ	1000 U
HEXACHLOROETHANE	670 U	1100 U	960 U	600 U	1100 U	1300 UJ	1000 U
INDENO(1,2,3-CD)PYRENE	280 J	560 J	630 J	600 U	660 J	2000 J	5600 J

NA - Not analyzed.

TABLE B-2
ANALYTICAL RESULTS FOR SEDIMENT
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND
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SAMPLE ID:	SD-8-031805	SD-9-031805	SD-10-031805	SD-11-031805	SD-12-031805	SD-13-SS	SD-13-01
LABORATORY ID:	503094-002	503094-003	503094-007	503094-008	503094-009	WV5583-1	WV5583-2
SAMPLE DATE:	3/18/2005	3/18/2005	3/18/2005	3/18/2005	3/18/2005	10/20/2005	10/20/2005
LOCATION:	SD-8	SD-9	SD-10	SD-11	SD-12	SD-13	SD-13
ISOPHORONE	670 U	1100 U	960 U	600 U	1100 U	1300 UJ	1000 U
NAPHTHALENE	670 U	1100 U	960 U	600 U	1100 U	250 J	550 J
NITROBENZENE	670 U	1100 U	960 U	600 U	1100 U	1300 UJ	1000 U
N-NITROSODIMETHYLAMINE	670 U	1100 U	960 U	600 U	1100 U	1300 UJ	1000 U
N-NITROSO-DI-N-PROPYLAMINE	670 U	1100 U	960 U	600 U	1100 U	1300 UJ	1000 U
N-NITROSODIPHENYLAMINE	670 U	1100 U	960 U	600 U	1100 U	1300 UJ	1000 UJ
PENTACHLOROPHENOL	1300 U	2100 U	1900 U	1200 U	2200 U	3200 UJ	2500 UJ
PHENANTHRENE	410 J	810 J	2300	600 U	550 J	1500 J	7900 J
PHENOL	670 U	1100 U	960 U	600 U	1100 U	1300 UJ	1000 U
PYRENE	1100	1700	2700	600 U	1900	6800 J	24000 J
PYRIDINE	670 U	1100 U	960 U	600 U	1100 U	1300 UJ	1000 U
VOLATILE SOILS (ug/kg)							
1,1,1,2-TETRACHLOROETHANE	NA	NA	NA	NA	NA	20 UJ	15 UL
1,1,1-TRICHLOROETHANE	10 U	16 U	14 U	8.9 U	17 U	20 UJ	15 UL
1,1,2,2-TETRACHLOROETHANE	10 U	16 U	14 U	8.9 U	17 U	20 UJ	15 UL
1,1,2-TRICHLOROETHANE	10 U	16 U	14 U	8.9 U	17 U	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	10 U	16 U	14 U	8.9 U	17 U	20 UJ	15 UL
1,1-DICHLOROETHANE	10 U	16 U	14 U	8.9 U	17 U	20 UJ	15 UL
1,1-DICHLOROETHENE	10 U	16 U	14 U	8.9 U	17 U	20 UJ	15 UL
1,1-DICHLOROPROPENE	NA	NA	NA	NA	NA	20 UJ	15 UL
1,2,3-TRICHLOROBENZENE	NA	NA	NA	NA	NA	20 UJ	15 UL
1,2,3-TRICHLOROPROPANE	NA	NA	NA	NA	NA	20 UJ	15 UL
1,2,3-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	20 UJ	15 UL
1,2,4-TRICHLOROBENZENE	10 U	16 U	14 U	8.9 U	17 U	20 UJ	15 UL
1,2,4-TRIMETHYLBENZENE	NA	NA	NA	NA	NA	20 UJ	15 UL
1,2-DIBROMO-3-CHLOROPROPANE	10 U	16 U	14 U	8.9 U	17 U	20 UJ	15 UL

NA - Not analyzed.

TABLE B-2
ANALYTICAL RESULTS FOR SEDIMENT
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	SD-8-031805	SD-9-031805	SD-10-031805	SD-11-031805	SD-12-031805	SD-13-SS	SD-13-01
LABORATORY ID:	503094-002	503094-003	503094-007	503094-008	503094-009	WV5583-1	WV5583-2
SAMPLE DATE:	3/18/2005	3/18/2005	3/18/2005	3/18/2005	3/18/2005	10/20/2005	10/20/2005
LOCATION:	SD-8	SD-9	SD-10	SD-11	SD-12	SD-13	SD-13
1,2-DIBROMOETHANE	10 U	16 U	14 U	8.9 U	17 U	20 UJ	15 UL
1,2-DICHLOROBENZENE	10 U	16 U	14 U	8.9 U	17 U	20 UJ	15 UL
1,2-DICHLOROETHANE	10 U	16 U	14 U	8.9 U	17 U	20 UJ	15 UL
1,2-DICHLOROPROPANE	10 U	16 U	14 U	8.9 U	17 U	20 UJ	15 UL
1,3-DICHLOROBENZENE	10 U	16 U	14 U	8.9 U	17 U	20 UJ	15 UL
1,3-DICHLOROPROPANE	NA	NA	NA	NA	NA	20 UJ	15 UL
1,4-DICHLOROBENZENE	10 U	16 U	14 U	8.9 U	17 U	20 UJ	15 UL
2,2-DICHLOROPROPANE	NA	NA	NA	NA	NA	20 UJ	15 UL
2-BUTANONE	20 U	32 U	29 U	18 U	33 U	23 J	76 UR
2-CHLOROETHYL VINYL ETHER	NA	NA	NA	NA	NA	20 UJ	15 UL
2-CHLOROTOLUENE	NA	NA	NA	NA	NA	20 UJ	15 UL
2-HEXANONE	20 U	32 U	29 U	18 U	33 U	98 UJ	76 UL
4-CHLOROTOLUENE	NA	NA	NA	NA	NA	20 UJ	15 UL
4-ISOPROPYLTOLUENE	NA	NA	NA	NA	NA	20 UJ	15 UL
4-METHYL-2-PENTANONE	20 U	32 U	29 U	18 U	33 U	98 UJ	76 UL
ACETONE	96 B	160 B	28 B	18 U	110 B	130 B	76 B
BENZENE	10 U	16 U	14 U	8.9 U	17 U	20 UJ	15 UL
BROMOBENZENE	NA	NA	NA	NA	NA	20 UJ	15 UL
BROMOCHLOROMETHANE	NA	NA	NA	NA	NA	20 UJ	15 UL
BROMODICHLOROMETHANE	10 U	16 U	14 U	8.9 U	17 U	20 UJ	15 UL
BROMOFORM	10 U	16 U	14 U	8.9 U	17 U	20 UJ	15 UL
BROMOMETHANE	20 U	32 U	29 U	18 U	33 U	39 UJ	30 UL
CARBON DISULFIDE	10 U	9.1 J	14 U	8.9 U	17 U	20 UJ	15 UL
CARBON TETRACHLORIDE	10 U	16 U	14 U	8.9 U	17 U	20 UJ	15 UL
CHLOROBENZENE	10 U	16 U	14 U	8.9 U	17 U	20 UJ	15 UL
CHLORODIBROMOMETHANE	10 U	16 U	14 U	8.9 U	17 U	20 UJ	15 UL

NA - Not analyzed.

TABLE B-2
ANALYTICAL RESULTS FOR SEDIMENT
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	SD-8-031805	SD-9-031805	SD-10-031805	SD-11-031805	SD-12-031805	SD-13-SS	SD-13-01
LABORATORY ID:	503094-002	503094-003	503094-007	503094-008	503094-009	WV5583-1	WV5583-2
SAMPLE DATE:	3/18/2005	3/18/2005	3/18/2005	3/18/2005	3/18/2005	10/20/2005	10/20/2005
LOCATION:	SD-8	SD-9	SD-10	SD-11	SD-12	SD-13	SD-13
CHLOROETHANE	20 U	32 U	29 U	18 U	33 U	39 UJ	30 UL
CHLOROFORM	10 U	16 U	14 U	8.9 U	17 U	20 UJ	15 UL
CHLOROMETHANE	20 U	32 U	29 U	18 U	33 U	39 UJ	30 UL
CIS-1,2-DICHLOROETHENE	10 U	16 U	14 U	8.9 U	17 U	20 UJ	15 UL
CIS-1,3-DICHLOROPROPENE	10 U	16 U	14 U	8.9 U	17 U	20 UJ	15 UL
CYCLOHEXANE	10 U	16 U	14 U	8.9 U	17 U	NA	NA
DIBROMOMETHANE	NA	NA	NA	NA	NA	20 UJ	15 UL
DICHLORODIFLUOROMETHANE	10 U	16 U	14 U	8.9 U	17 U	39 UJ	30 UL
DIISOPROPYL ETHER	NA	NA	NA	NA	NA	20 UJ	15 UL
ETHYL TERT-BUTYL ETHER	NA	NA	NA	NA	NA	20 UJ	15 UL
ETHYLBENZENE	10 U	16 U	14 U	8.9 U	17 U	20 UJ	15 UL
HEXACHLOROBUTADIENE	NA	NA	NA	NA	NA	20 UJ	15 UL
ISOPROPYLBENZENE	10 U	16 U	14 U	8.9 U	17 U	20 UJ	3 J
M+P-XYLENES	10 U	16 U	14 U	8.9 U	17 U	39 UJ	30 UL
METHYL ACETATE	10 U	16 U	14 U	8.9 U	17 U	NA	NA
METHYL CYCLOHEXANE	10 U	16 U	14 U	8.9 U	17 U	NA	NA
METHYL TERT-BUTYL ETHER	10 U	16 U	14 U	8.9 U	17 U	8 J	30 UL
METHYLENE CHLORIDE	20 U	32 U	29 U	18 U	33 U	20 B	15 B
NAPHTHALENE	NA	NA	NA	NA	NA	7 J	15 UL
N-BUTYLBENZENE	NA	NA	NA	NA	NA	20 UJ	15 UL
N-PROPYLBENZENE	NA	NA	NA	NA	NA	20 UJ	15 UL
O-XYLENE	10 U	16 U	14 U	8.9 U	17 U	20 UJ	15 UL
SEC-BUTYLBENZENE	NA	NA	NA	NA	NA	20 UJ	20 L
STYRENE	10 U	16 U	14 U	8.9 U	17 U	20 B	15 UL
TERT-AMYL METHYL ETHER	NA	NA	NA	NA	NA	20 UJ	15 UL
TERT-BUTYLBENZENE	NA	NA	NA	NA	NA	20 UJ	15 UL

NA - Not analyzed.

TABLE B-2
ANALYTICAL RESULTS FOR SEDIMENT
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	SD-8-031805	SD-9-031805	SD-10-031805	SD-11-031805	SD-12-031805	SD-13-SS	SD-13-01
LABORATORY ID:	503094-002	503094-003	503094-007	503094-008	503094-009	WV5583-1	WV5583-2
SAMPLE DATE:	3/18/2005	3/18/2005	3/18/2005	3/18/2005	3/18/2005	10/20/2005	10/20/2005
LOCATION:	SD-8	SD-9	SD-10	SD-11	SD-12	SD-13	SD-13
TERTIARY-BUTYL ALCOHOL	NA	NA	NA	NA	NA	39 UR	30 UR
TETRACHLOROETHENE	10 U	16 U	14 U	8.9 U	17 U	20 UJ	15 UL
TOLUENE	10 U	16 U	14 U	8.9 U	17 U	20 UJ	15 UL
TOTAL 1,2-DICHLOROETHENE	NA	NA	NA	NA	NA	39 UJ	30 UL
TOTAL XYLENES	NA	NA	NA	NA	NA	58 UJ	46 UL
TRANS-1,2-DICHLOROETHENE	10 U	16 U	14 U	8.9 U	17 U	20 UJ	15 UL
TRANS-1,3-DICHLOROPROPENE	10 U	16 U	14 U	8.9 U	17 U	20 UJ	15 UL
TRICHLOROETHENE	10 U	16 U	14 U	8.9 U	17 U	20 UJ	15 UL
TRICHLOROFLUOROMETHANE	10 U	16 U	14 U	8.9 U	17 U	39 UJ	30 UL
VINYL ACETATE	NA	NA	NA	NA	NA	20 UJ	15 UL
VINYL CHLORIDE	20 U	32 U	29 U	18 U	33 U	39 UJ	30 UL

NA - Not analyzed.

TABLE B-2
ANALYTICAL RESULTS FOR SEDIMENT
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	SD-13-02	SD-14-SS	SD-14-01	SD-14-02	SD-15-SS	SD-16-SS	SD-16-01
LABORATORY ID:	WV5583-3	WV5583-4	WV5583-5	WV5583-6	WV5604-1	WV5583-7	WV5583-8
SAMPLE DATE:	10/20/2005	10/20/2005	10/20/2005	10/20/2005	10/21/2005	10/20/2005	10/20/2005
LOCATION:	SD-13	SD-14	SD-14	SD-14	SD-15	SD-16	SD-16
BUTYLTINS (ug/kg)							
DIBUTYLTIN	NA	NA	NA	NA	NA	NA	NA
MONOBUTYLTIN	NA	NA	NA	NA	NA	NA	NA
TETRABUTYLTIN	NA	NA	NA	NA	NA	NA	NA
TRIBUTYLTIN	NA	NA	NA	NA	NA	NA	NA
INORGANICS (mg/kg)							
ANTIMONY	3.4	0.96	0.72 U	0.65 U	1.8 J	1.33 UJ	1.5
ARSENIC	5.6	4	3.9	3.8	10.5 J	9.6 J	6.6
BARIUM	112	60.6	27.9	26.3	57.4 J	45.2 J	71.9
BERYLLIUM	2	0.46	1.9	1.7	2.2 J	2.2 J	2.2
CADMIUM	21.8	3.5	0.07	0.52	4.7 J	5.1 J	26.8
CHROMIUM	499	75	28	35.6	120 J	127 J	443
COBALT	13.9	4.4	11.3	9.5	17.8 J	17.9 J	17.8
COPPER	67.4	19.1	16	16	124 J	116 J	109
LEAD	169	42.2	8.9	11	123 J	109 J	251
MERCURY	1.9 L	0.34 L	0.06 L	0.04 L	0.44 J	0.4 J	3.5 L
MOLYBDENUM	2.7	1.3	0.88	1.2	2.3 J	1.2 J	1.8
NICKEL	34.2	9.9	19.1	17.4	39.6 J	39.3 J	69.1
SELENIUM	0.57 L	0.37 UL	0.63 UL	0.57 UL	1.12 UJ	1.16 UJ	0.94 UL
SILVER	28.6	14.9	0.49 L	2 L	1.8 J	1.9 J	27.3
THALLIUM	1.3	0.64 U	1.08 U	0.97 U	1.91 UJ	2.1 J	2.1
VANADIUM	51.7	14.9	27.8	26.2	57.8 J	52.2 J	110
ZINC	452	132	54	64.5	405 J	373 J	484
MISCELLANEOUS (%)							
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	41	77	46	48	25	24	32

NA - Not analyzed.

TABLE B-2
ANALYTICAL RESULTS FOR SEDIMENT
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	SD-13-02	SD-14-SS	SD-14-01	SD-14-02	SD-15-SS	SD-16-SS	SD-16-01
LABORATORY ID:	WV5583-3	WV5583-4	WV5583-5	WV5583-6	WV5604-1	WV5583-7	WV5583-8
SAMPLE DATE:	10/20/2005	10/20/2005	10/20/2005	10/20/2005	10/21/2005	10/20/2005	10/20/2005
LOCATION:	SD-13	SD-14	SD-14	SD-14	SD-15	SD-16	SD-16
MISCELLANEOUS (mg/kg)							
HEXAVALENT CHROMIUM	1.2 UL	0.53 J	1 UL	1 UL	2 UJ	2.1 UJ	1.6 UL
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS (ug/kg)							
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBs (ug/kg)							
AROCLOR-1016	41 U	22 U	37 U	35 U	68 UJ	71 UJ	54 U
AROCLOR-1221	41 U	22 U	37 U	35 U	68 UJ	71 UJ	54 U
AROCLOR-1232	41 U	22 U	37 U	35 U	68 UJ	71 UJ	54 U
AROCLOR-1242	41 U	22 U	37 U	35 U	68 UJ	71 UJ	54 U
AROCLOR-1248	41 U	22 U	37 U	35 U	68 UJ	71 UJ	54 U
AROCLOR-1254	41 U	22 U	37 U	35 U	68 UJ	71 UJ	54 U
AROCLOR-1260	670	480	37 U	35 U	1300 J	1400 J	1400
SEMIVOLATILE SOIL (ug/kg)							
1,2,4-TRICHLOROBENZENE	800 U	430 U	710 U	680 U	1300 UJ	1400 UJ	1000 U
1,2-DICHLOROBENZENE	800 U	430 U	710 U	680 U	1300 UJ	1400 UJ	1000 U
1,2-DIPHENYLHYDRAZINE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	800 U	430 U	710 U	680 U	1300 UJ	1400 UJ	1000 U
1,4-DICHLOROBENZENE	800 U	430 U	710 U	680 U	1300 UJ	240 J	1000 U
1,4-DIOXANE	800 U	430 U	710 U	680 U	1300 UJ	1400 UJ	1000 U
1-METHYLNAPHTHALENE	800 U	430 U	710 U	680 U	1300 UJ	1400 UJ	1000 U
2,2'-OXYBIS(1-CHLOROPROPANE)	800 U	430 U	710 U	680 U	1300 UJ	1400 UJ	1000 U
2,4,5-TRICHLOROPHENOL	2000 U	1100 U	1800 U	1700 U	3300 UJ	3400 UJ	2600 U
2,4,6-TRICHLOROPHENOL	800 U	430 U	710 U	680 U	1300 UJ	1400 UJ	1000 U
2,4-DICHLOROPHENOL	800 U	430 U	710 U	680 U	1300 UJ	1400 UJ	1000 U
2,4-DIMETHYLPHENOL	800 U	430 U	710 U	680 U	1300 UJ	1400 UJ	1000 U

NA - Not analyzed.

TABLE B-2
ANALYTICAL RESULTS FOR SEDIMENT
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	SD-13-02	SD-14-SS	SD-14-01	SD-14-02	SD-15-SS	SD-16-SS	SD-16-01
LABORATORY ID:	WV5583-3	WV5583-4	WV5583-5	WV5583-6	WV5604-1	WV5583-7	WV5583-8
SAMPLE DATE:	10/20/2005	10/20/2005	10/20/2005	10/20/2005	10/21/2005	10/20/2005	10/20/2005
LOCATION:	SD-13	SD-14	SD-14	SD-14	SD-15	SD-16	SD-16
2,4-DINITROPHENOL	2000 U	1100 U	1800 U	1700 U	3300 UJ	3400 UJ	2600 U
2,4-DINITROTOLUENE	800 U	430 U	710 U	680 U	1300 UJ	1400 UJ	1000 U
2,6-DINITROTOLUENE	800 U	430 U	710 U	680 U	1300 UJ	1400 UJ	1000 U
2-CHLORONAPHTHALENE	800 U	430 U	710 U	680 U	1300 UJ	1400 UJ	1000 U
2-CHLOROPHENOL	800 U	430 U	710 U	680 U	1300 UJ	1400 UJ	1000 U
2-METHYLNAPHTHALENE	520 J	430 U	710 U	680 U	1300 UJ	1400 UJ	220 J
2-METHYLPHENOL	800 U	430 U	710 U	680 U	1300 UJ	1400 UJ	1000 U
2-NITROANILINE	2000 U	1100 U	1800 U	1700 U	3300 UJ	3400 UJ	2600 U
2-NITROPHENOL	800 U	430 U	710 U	680 U	1300 UJ	1400 UJ	1000 U
3&4-METHYLPHENOL	800 U	430 U	710 U	680 U	1300 UJ	1400 UJ	1000 U
3,3'-DICHLOROBENZIDINE	800 UJ	430 U	710 U	680 U	1300 UJ	1400 UJ	1000 UJ
3-NITROANILINE	2000 U	1100 U	1800 U	1700 U	3300 UJ	3400 UJ	2600 U
4,6-DINITRO-2-METHYLPHENOL	2000 UJ	1100 U	1800 U	1700 U	3300 UJ	3400 UJ	2600 UJ
4-BROMOPHENYL PHENYL ETHER	800 UJ	430 U	710 U	680 U	1300 UJ	1400 UJ	1000 UJ
4-CHLORO-3-METHYLPHENOL	800 U	430 U	710 U	680 U	1300 UJ	1400 UJ	1000 U
4-CHLOROANILINE	800 U	430 U	710 U	680 U	1300 UJ	1400 UJ	1000 U
4-CHLOROPHENYL PHENYL ETHER	800 U	430 U	710 U	680 U	1300 UJ	1400 UJ	1000 U
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	2000 U	1100 U	1800 U	1700 U	3300 UJ	3400 UJ	2600 U
4-NITROPHENOL	2000 U	1100 U	1800 U	1700 U	3300 UJ	3400 UJ	2600 U
ACENAPHTHENE	600 J	430 U	710 U	680 U	1300 UJ	1400 UJ	480 J
ACENAPHTHYLENE	110 J	430 U	710 U	680 U	1300 UJ	1400 UJ	1000 U
ANILINE	800 U	430 U	710 U	680 U	1300 UJ	1400 UJ	1000 U
ANTHRACENE	1400 J	200 J	710 U	680 U	1300 UJ	1400 UJ	820 J
AZOBENZENE	800 U	430 U	710 U	680 U	1300 UJ	1400 UJ	1000 U
BENZIDINE	2000 UJ	1100 U	1800 U	1700 U	3300 UJ	3400 UJ	2600 UJ

NA - Not analyzed.

TABLE B-2
ANALYTICAL RESULTS FOR SEDIMENT
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	SD-13-02	SD-14-SS	SD-14-01	SD-14-02	SD-15-SS	SD-16-SS	SD-16-01
LABORATORY ID:	WV5583-3	WV5583-4	WV5583-5	WV5583-6	WV5604-1	WV5583-7	WV5583-8
SAMPLE DATE:	10/20/2005	10/20/2005	10/20/2005	10/20/2005	10/21/2005	10/20/2005	10/20/2005
LOCATION:	SD-13	SD-14	SD-14	SD-14	SD-15	SD-16	SD-16
BENZO(A)ANTHRACENE	5800 J	1100	710 U	680 U	1000 J	490 J	2600 J
BENZO(A)PYRENE	6000 J	790	710 U	680 U	1200 J	540 J	3000 J
BENZO(B)FLUORANTHENE	8400 J	1400	710 U	680 U	1800 J	810 J	4600 J
BENZO(G,H,I)PERYLENE	3900 J	360 J	710 U	680 U	730 J	1400 UJ	1800 J
BENZO(K)FLUORANTHENE	3400 J	560	710 U	680 U	750 J	480 J	1600 J
BENZOIC ACID	2000 U	1100 U	1800 U	1700 U	3300 UJ	3400 UJ	2600 U
BENZYL ALCOHOL	800 UJ	430 UJ	710 UJ	680 UJ	1300 UJ	1400 UJ	1000 UJ
BIS(2-CHLOROETHOXY)METHANE	800 U	430 U	710 U	680 U	1300 UJ	1400 UJ	1000 U
BIS(2-CHLOROETHYL)ETHER	800 U	430 U	710 U	680 U	1300 UJ	1400 UJ	1000 U
BIS(2-ETHYLHEXYL)PHTHALATE	350 J	210 J	710 U	680 U	820 J	520 J	1100 J
BUTYL BENZYL PHTHALATE	800 UJ	430 U	710 U	680 U	1300 UJ	1400 UJ	1000 UJ
CARBAZOLE	400 J	130 J	710 U	680 U	1300 UJ	1400 UJ	310 J
CHRYSENE	8900 J	1200	710 U	680 U	1400 J	720 J	2900 J
DIBENZO(A,H)ANTHRACENE	1100 J	430 U	710 U	680 U	1300 UJ	1400 UJ	1000 UJ
DIBENZOFURAN	330 J	430 U	710 U	680 U	1300 UJ	1400 UJ	1000 U
DIETHYL PHTHALATE	800 U	430 U	710 U	680 U	1300 UJ	1400 UJ	1000 U
DIMETHYL PHTHALATE	800 U	430 U	710 U	680 U	1300 UJ	1400 UJ	1000 U
DI-N-BUTYL PHTHALATE	800 UJ	430 U	710 U	680 U	1300 UJ	1400 UJ	1000 UJ
DI-N-OCTYL PHTHALATE	800 UJ	430 U	710 U	680 U	1300 UJ	1400 UJ	1000 UJ
FLUORANTHENE	9700 J	2400	710 U	680 U	2000 J	940 J	3500 J
FLUORENE	920	81 J	710 U	680 U	1300 UJ	1400 UJ	330 J
HEXACHLOROBENZENE	800 UJ	430 U	710 U	680 U	1300 UJ	1400 UJ	1000 UJ
HEXACHLOROBUTADIENE	800 U	430 U	710 U	680 U	1300 UJ	1400 UJ	1000 U
HEXACHLOROCYCLOPENTADIENE	800 U	430 U	710 U	680 U	1300 UJ	1400 UJ	1000 U
HEXACHLOROETHANE	800 U	430 U	710 U	680 U	1300 UJ	1400 UJ	1000 U
INDENO(1,2,3-CD)PYRENE	4000 J	460	710 U	680 U	840 J	1400 UJ	1600 J

NA - Not analyzed.

TABLE B-2
ANALYTICAL RESULTS FOR SEDIMENT
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	SD-13-02	SD-14-SS	SD-14-01	SD-14-02	SD-15-SS	SD-16-SS	SD-16-01
LABORATORY ID:	WV5583-3	WV5583-4	WV5583-5	WV5583-6	WV5604-1	WV5583-7	WV5583-8
SAMPLE DATE:	10/20/2005	10/20/2005	10/20/2005	10/20/2005	10/21/2005	10/20/2005	10/20/2005
LOCATION:	SD-13	SD-14	SD-14	SD-14	SD-15	SD-16	SD-16
ISOPHORONE	800 U	430 U	710 U	680 U	1300 UJ	1400 UJ	1000 U
NAPHTHALENE	860	430 U	710 U	680 U	1300 UJ	1400 UJ	360 J
NITROBENZENE	800 U	430 U	710 U	680 U	1300 UJ	1400 UJ	1000 U
N-NITROSODIMETHYLAMINE	800 U	430 U	710 U	680 U	1300 UJ	1400 UJ	1000 U
N-NITROSO-DI-N-PROPYLAMINE	800 U	430 U	710 U	680 U	1300 UJ	1400 UJ	1000 U
N-NITROSODIPHENYLAMINE	800 UJ	430 U	710 U	680 U	1300 UJ	1400 UJ	1000 UJ
PENTACHLOROPHENOL	2000 UJ	1100 U	1800 U	1700 U	3300 UJ	3400 UJ	2600 UJ
PHENANTHRENE	6200 J	830	710 U	680 U	940 J	440 J	3200 J
PHENOL	800 U	430 U	710 U	680 U	1300 UJ	1400 UJ	1000 U
PYRENE	24000 J	2400	710 U	680 U	3900 J	1500 J	11000 J
PYRIDINE	800 U	430 U	710 U	680 U	1300 UJ	1400 UJ	1000 U
VOLATILE SOILS (ug/kg)							
1,1,1,2-TETRACHLOROETHANE	12 U	6 U	54 U	10 UL	19 UJ	20 UJ	16 U
1,1,1-TRICHLOROETHANE	12 U	6 U	54 U	10 UL	19 UJ	20 UJ	16 U
1,1,2,2-TETRACHLOROETHANE	12 U	6 U	54 U	10 UL	19 UJ	20 UJ	16 U
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	12 U	6 U	54 U	10 UL	19 UJ	20 UJ	16 U
1,1-DICHLOROETHANE	12 U	6 U	54 U	10 UL	19 UJ	20 UJ	16 U
1,1-DICHLOROETHENE	12 U	6 U	54 U	10 UL	19 UJ	20 UJ	16 U
1,1-DICHLOROPROPENE	12 U	6 U	54 U	10 UL	19 UJ	20 UJ	16 U
1,2,3-TRICHLOROBENZENE	12 U	6 U	54 U	10 UL	19 UJ	20 UJ	16 U
1,2,3-TRICHLOROPROPANE	12 U	6 U	54 U	10 UL	19 UJ	20 UJ	16 U
1,2,3-TRIMETHYLBENZENE	12 U	6 U	54 U	10 UL	19 UJ	20 UJ	16 U
1,2,4-TRICHLOROBENZENE	12 U	6 U	54 U	10 UL	19 UJ	20 UJ	16 U
1,2,4-TRIMETHYLBENZENE	12 U	6 U	54 U	10 UL	19 UJ	20 UJ	16 U
1,2-DIBROMO-3-CHLOROPROPANE	12 U	6 U	54 U	10 UL	19 UJ	20 UJ	16 U

NA - Not analyzed.

TABLE B-2
ANALYTICAL RESULTS FOR SEDIMENT
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND
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SAMPLE ID:	SD-13-02	SD-14-SS	SD-14-01	SD-14-02	SD-15-SS	SD-16-SS	SD-16-01
LABORATORY ID:	WV5583-3	WV5583-4	WV5583-5	WV5583-6	WV5604-1	WV5583-7	WV5583-8
SAMPLE DATE:	10/20/2005	10/20/2005	10/20/2005	10/20/2005	10/21/2005	10/20/2005	10/20/2005
LOCATION:	SD-13	SD-14	SD-14	SD-14	SD-15	SD-16	SD-16
1,2-DIBROMOETHANE	12 U	6 U	54 U	10 UL	19 UJ	20 UJ	16 U
1,2-DICHLOROBENZENE	12 U	6 U	54 U	10 UL	19 UJ	20 UJ	16 U
1,2-DICHLOROETHANE	12 U	6 U	54 U	10 UL	19 UJ	20 UJ	16 U
1,2-DICHLOROPROPANE	12 U	6 U	54 U	10 UL	19 UJ	20 UJ	16 U
1,3-DICHLOROBENZENE	12 U	6 U	54 U	10 UL	19 UJ	20 UJ	16 U
1,3-DICHLOROPROPANE	12 U	6 U	54 U	10 UL	19 UJ	20 UJ	16 U
1,4-DICHLOROBENZENE	12 U	6 U	54 U	10 UL	19 UJ	20 UJ	16 U
2,2-DICHLOROPROPANE	12 U	6 U	54 U	10 UL	19 UJ	20 UJ	16 U
2-BUTANONE	61 UR	32 UR	270 UR	52 UR	95 UR	100 UR	18 J
2-CHLOROETHYL VINYL ETHER	12 U	6 U	54 U	10 UL	19 UJ	20 UJ	16 U
2-CHLOROTOLUENE	12 U	6 U	54 U	10 UL	19 UJ	20 UJ	16 U
2-HEXANONE	61 U	32 U	270 U	52 UL	95 UJ	100 UJ	80 U
4-CHLOROTOLUENE	12 U	6 U	54 U	10 UL	19 UJ	20 UJ	16 U
4-ISOPROPYLTOLUENE	12 U	6 U	54 U	10 UL	19 UJ	20 UJ	16 U
4-METHYL-2-PENTANONE	61 U	32 U	270 U	52 UL	95 UJ	100 UJ	80 U
ACETONE	120 B	32 UR	270 B	52 B	95 B	100 B	100 B
BENZENE	12 U	6 U	54 U	10 UL	19 UJ	20 UJ	16 U
BROMOBENZENE	12 U	6 U	54 U	10 UL	19 UJ	20 UJ	16 U
BROMOCHLOROMETHANE	12 U	6 U	54 U	10 UL	19 UJ	20 UJ	16 U
BROMODICHLOROMETHANE	12 U	6 U	54 U	10 UL	19 UJ	20 UJ	16 U
BROMOFORM	12 U	6 U	54 U	10 UL	19 UJ	20 UJ	16 U
BROMOMETHANE	24 U	13 U	110 U	21 UL	38 UJ	40 UJ	32 U
CARBON DISULFIDE	12 U	6 U	19 J	10 UL	19 UJ	20 UJ	7 J
CARBON TETRACHLORIDE	12 U	6 U	54 U	10 UL	19 UJ	20 UJ	16 U
CHLOROBENZENE	12 U	6 U	54 U	10 UL	19 UJ	20 UJ	16 U
CHLORODIBROMOMETHANE	12 U	6 U	54 U	10 UL	19 UJ	20 UJ	16 U

NA - Not analyzed.

TABLE B-2
ANALYTICAL RESULTS FOR SEDIMENT
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND
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SAMPLE ID:	SD-13-02	SD-14-SS	SD-14-01	SD-14-02	SD-15-SS	SD-16-SS	SD-16-01
LABORATORY ID:	WV5583-3	WV5583-4	WV5583-5	WV5583-6	WV5604-1	WV5583-7	WV5583-8
SAMPLE DATE:	10/20/2005	10/20/2005	10/20/2005	10/20/2005	10/21/2005	10/20/2005	10/20/2005
LOCATION:	SD-13	SD-14	SD-14	SD-14	SD-15	SD-16	SD-16
CHLOROETHANE	24 U	13 U	110 U	21 UL	38 UJ	40 UJ	32 U
CHLOROFORM	12 U	6 U	54 U	10 UL	19 UJ	20 UJ	16 U
CHLOROMETHANE	24 U	13 U	110 U	21 UL	38 UJ	40 UJ	32 U
CIS-1,2-DICHLOROETHENE	12 U	6 U	54 U	10 UL	19 UJ	20 UJ	16 U
CIS-1,3-DICHLOROPROPENE	12 U	6 U	54 U	10 UL	19 UJ	20 UJ	16 U
CYCLOHEXANE	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	12 U	6 U	54 U	10 UL	19 UJ	20 UJ	16 U
DICHLORODIFLUOROMETHANE	24 U	13 U	110 U	21 UL	38 UJ	40 UJ	32 U
DIISOPROPYL ETHER	12 U	6 U	54 U	10 UL	19 UJ	20 UJ	16 U
ETHYL TERT-BUTYL ETHER	12 U	6 U	54 U	10 UL	19 UJ	20 UJ	16 U
ETHYLBENZENE	12 U	6 U	54 U	10 UL	19 UJ	20 UJ	16 U
HEXACHLOROBUTADIENE	12 U	6 U	54 U	10 UL	19 UJ	20 UJ	16 U
ISOPROPYLBENZENE	38 K	6 U	54 U	10 UL	19 UJ	20 UJ	16 U
M+P-XYLENES	24 U	13 U	110 U	21 UL	38 UJ	40 UJ	32 U
METHYL ACETATE	NA	NA	NA	NA	NA	NA	NA
METHYL CYCLOHEXANE	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	24 U	13 U	110 U	21 UL	6 J	9 J	4 J
METHYLENE CHLORIDE	12 B	7 B	54 B	10 B	19 B	20 B	16 B
NAPHTHALENE	12 U	6 U	54 U	10 UL	19 UJ	20 UJ	16 U
N-BUTYLBENZENE	12 U	6 U	54 U	10 UL	19 UJ	20 UJ	16 U
N-PROPYLBENZENE	12 U	6 U	54 U	10 UL	19 UJ	20 UJ	16 U
O-XYLENE	12 U	6 U	54 U	10 UL	19 UJ	20 UJ	16 U
SEC-BUTYLBENZENE	180 K	6 U	54 U	10 UL	19 UJ	20 UJ	16 U
STYRENE	12 U	6 B	54 U	10 B	19 UJ	20 UJ	16 U
TERT-AMYL METHYL ETHER	12 U	6 U	54 U	10 UL	19 UJ	20 UJ	16 U
TERT-BUTYLBENZENE	12 U	6 U	54 U	10 UL	19 UJ	20 UJ	16 U

NA - Not analyzed.

TABLE B-2
ANALYTICAL RESULTS FOR SEDIMENT
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	SD-13-02	SD-14-SS	SD-14-01	SD-14-02	SD-15-SS	SD-16-SS	SD-16-01
LABORATORY ID:	WV5583-3	WV5583-4	WV5583-5	WV5583-6	WV5604-1	WV5583-7	WV5583-8
SAMPLE DATE:	10/20/2005	10/20/2005	10/20/2005	10/20/2005	10/21/2005	10/20/2005	10/20/2005
LOCATION:	SD-13	SD-14	SD-14	SD-14	SD-15	SD-16	SD-16
TERTIARY-BUTYL ALCOHOL	24 UR	13 UR	110 UR	21 UR	38 UR	40 UR	32 UR
TETRACHLOROETHENE	12 U	6 U	54 U	10 UL	19 UJ	20 UJ	16 U
TOLUENE	12 U	6 U	54 U	10 UL	4 J	20 UJ	16 U
TOTAL 1,2-DICHLOROETHENE	24 U	13 U	110 U	21 UL	38 UJ	40 UJ	32 U
TOTAL XYLENES	36 U	19 U	160 U	31 UL	57 UJ	60 UJ	48 U
TRANS-1,2-DICHLOROETHENE	12 U	6 U	54 U	10 UL	19 UJ	20 UJ	16 U
TRANS-1,3-DICHLOROPROPENE	12 U	6 U	54 U	10 UL	19 UJ	20 UJ	16 U
TRICHLOROETHENE	12 U	6 U	54 U	10 UL	19 UJ	20 UJ	16 U
TRICHLOROFLUOROMETHANE	24 U	13 U	110 U	21 UL	38 UJ	40 UJ	32 U
VINYL ACETATE	12 U	6 U	54 U	10 UL	19 UJ	20 UJ	16 U
VINYL CHLORIDE	24 U	13 U	110 U	21 UL	38 UJ	40 UJ	32 U

NA - Not analyzed.

TABLE B-2
ANALYTICAL RESULTS FOR SEDIMENT
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND
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SAMPLE ID:	SD-16-02	SD-17-SS	SD-18-SS	SD-19-SS	SD-19-01	SD-19-02	SD-20-SS
LABORATORY ID:	WV5583-9	WV5604-2	WV5604-3	WV5604-4	WV5604-5	WV5604-6	WV5604-7
SAMPLE DATE:	10/20/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005
LOCATION:	SD-16	SD-17	SD-18	SD-19	SD-19	SD-19	SD-20
BUTYLTINS (ug/kg)							
DIBUTYLTIN	NA	NA	NA	NA	NA	NA	NA
MONOBUTYLTIN	NA	NA	NA	NA	NA	NA	NA
TETRABUTYLTIN	NA	NA	NA	NA	NA	NA	NA
TRIBUTYLTIN	NA	NA	NA	NA	NA	NA	NA
INORGANICS (mg/kg)							
ANTIMONY	2.2	1.5 J	1.7 J	1.07 UJ	2	0.46 U	1.4 J
ARSENIC	2.8	11.9 J	11.3 J	8.2 J	3	3	10.2 J
BARIUM	104	52.8 J	51.9 J	45.8 J	85.1	28.2	52 J
BERYLLIUM	2.6	2.5 J	2.4 J	2.2 J	1.8	1.1	2.4 J
CADMIUM	56.4	4.6 J	4.6 J	7.2 J	34.4	2.7	5.4 J
CHROMIUM	1080	125 J	132 J	135 J	756	79	140 J
COBALT	18.2	19.3 J	19.6 J	19.3 J	13.2	6.4	19.6 J
COPPER	95.2	127 J	131 J	97.3 J	57.6	15.2	126 J
LEAD	219	114 J	115 J	125 J	130	37	115 J
MERCURY	6.1 L	0.39 J	0.4 J	0.43 J	1 L	0.17 L	0.46 J
MOLYBDENUM	1.9	1.6 J	1.2 J	1.3 J	1	0.79	1.3 J
NICKEL	52.6	42.4 J	40.9 J	42.4 J	35.1	14.6	41 J
SELENIUM	1.04 UL	2.3 J	1.24 UJ	0.93 UJ	0.9 UL	0.4 UL	1.13 UJ
SILVER	24.7	1.7 J	1.5 J	2.3 J	11.5	3.5	1.7 J
THALLIUM	1.78 U	2.23 UJ	2.11 UJ	1.59 UJ	1.53 U	0.86	1.94 UJ
VANADIUM	78.3	61.4 J	57.4 J	56.3 J	49.2	24.2	55.6 J
ZINC	612	384 J	372 J	427 J	458	76	386 J
MISCELLANEOUS (%)							
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	32	25	22	30	32	67	22

NA - Not analyzed.

TABLE B-2
ANALYTICAL RESULTS FOR SEDIMENT
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND
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SAMPLE ID:	SD-16-02	SD-17-SS	SD-18-SS	SD-19-SS	SD-19-01	SD-19-02	SD-20-SS
LABORATORY ID:	WV5583-9	WV5604-2	WV5604-3	WV5604-4	WV5604-5	WV5604-6	WV5604-7
SAMPLE DATE:	10/20/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005
LOCATION:	SD-16	SD-17	SD-18	SD-19	SD-19	SD-19	SD-20
MISCELLANEOUS (mg/kg)							
HEXAVALENT CHROMIUM	1.6 UL	2 UJ	2.3 UJ	1.6 UJ	1.6 UL	0.75 UL	2.2 UJ
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS (ug/kg)							
TOTAL ORGANIC CARBON	NA	47000 J	NA	42000 J	33000	6800	NA
PESTICIDES/PCBs (ug/kg)							
AROCLOR-1016	53 U	69 UJ	78 UJ	57 UJ	54 U	25 U	77 UJ
AROCLOR-1221	53 U	69 UJ	78 UJ	57 UJ	54 U	25 U	77 UJ
AROCLOR-1232	53 U	69 UJ	78 UJ	57 UJ	54 U	25 U	77 UJ
AROCLOR-1242	53 U	69 UJ	78 UJ	57 UJ	54 U	25 U	77 UJ
AROCLOR-1248	53 U	69 UJ	78 UJ	57 UJ	54 U	25 U	77 UJ
AROCLOR-1254	53 U	69 UJ	78 UJ	57 UJ	54 U	25 U	77 UJ
AROCLOR-1260	53 U	1100 J	780 J	2800 J	330 J	49 J	1100 J
SEMIVOLATILE SOIL (ug/kg)							
1,2,4-TRICHLOROBENZENE	1000 U	1300 UJ	1500 UJ	1100 UJ	1000 U	490 U	1500 UJ
1,2-DICHLOROBENZENE	1000 U	1300 UJ	1500 UJ	1100 UJ	1000 U	490 U	1500 UJ
1,2-DIPHENYLHYDRAZINE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	1000 U	1300 UJ	1500 UJ	1100 UJ	1000 U	490 U	1500 UJ
1,4-DICHLOROBENZENE	1000 U	1300 UJ	1500 UJ	140 J	1000 U	490 U	1500 UJ
1,4-DIOXANE	1000 U	1300 UJ	1500 UJ	1100 UJ	1000 U	490 U	1500 UJ
1-METHYLNAPHTHALENE	1000 U	1300 UJ	1500 UJ	1100 UJ	1000 U	490 U	1500 UJ
2,2'-OXYBIS(1-CHLOROPROPANE)	1000 U	1300 UJ	1500 UJ	1100 UJ	1000 U	490 U	1500 UJ
2,4,5-TRICHLOROPHENOL	2600 U	3300 UJ	3800 UJ	2700 UJ	2600 U	1200 U	3700 UJ
2,4,6-TRICHLOROPHENOL	1000 U	1300 UJ	1500 UJ	1100 UJ	1000 U	490 U	1500 UJ
2,4-DICHLOROPHENOL	1000 U	1300 UJ	1500 UJ	1100 UJ	1000 U	490 U	1500 UJ
2,4-DIMETHYLPHENOL	1000 U	1300 UJ	1500 UJ	1100 UJ	1000 U	490 U	1500 UJ

NA - Not analyzed.

TABLE B-2
ANALYTICAL RESULTS FOR SEDIMENT
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	SD-16-02	SD-17-SS	SD-18-SS	SD-19-SS	SD-19-01	SD-19-02	SD-20-SS
LABORATORY ID:	WV5583-9	WV5604-2	WV5604-3	WV5604-4	WV5604-5	WV5604-6	WV5604-7
SAMPLE DATE:	10/20/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005
LOCATION:	SD-16	SD-17	SD-18	SD-19	SD-19	SD-19	SD-20
2,4-DINITROPHENOL	2600 U	3300 UJ	3800 UJ	2700 UJ	2600 U	1200 U	3700 UJ
2,4-DINITROTOLUENE	1000 U	1300 UJ	1500 UJ	1100 UJ	1000 U	490 U	1500 UJ
2,6-DINITROTOLUENE	1000 U	1300 UJ	1500 UJ	1100 UJ	1000 U	490 U	1500 UJ
2-CHLORONAPHTHALENE	1000 U	1300 UJ	1500 UJ	1100 UJ	1000 U	490 U	1500 UJ
2-CHLOROPHENOL	1000 U	1300 UJ	1500 UJ	1100 UJ	1000 U	490 U	1500 UJ
2-METHYLNAPHTHALENE	340 J	1300 UJ	1500 UJ	1100 UJ	1000 U	490 U	1500 UJ
2-METHYLPHENOL	1000 U	1300 UJ	1500 UJ	1100 UJ	1000 U	490 U	1500 UJ
2-NITROANILINE	2600 U	3300 UJ	3800 UJ	2700 UJ	2600 U	1200 U	3700 UJ
2-NITROPHENOL	1000 U	1300 UJ	1500 UJ	1100 UJ	1000 U	490 U	1500 UJ
3&4-METHYLPHENOL	1000 U	1300 UJ	1500 UJ	1100 UJ	1000 U	490 U	1500 UJ
3,3'-DICHLOROBENZIDINE	1000 UJ	1300 UJ	1500 UJ	1100 UJ	1000 U	490 UJ	1500 UJ
3-NITROANILINE	2600 U	3300 UJ	3800 UJ	2700 UJ	2600 U	1200 U	3700 UJ
4,6-DINITRO-2-METHYLPHENOL	2600 U	3300 UJ	3800 UJ	2700 UJ	2600 U	1200 U	3700 UJ
4-BROMOPHENYL PHENYL ETHER	1000 U	1300 UJ	1500 UJ	1100 UJ	1000 U	490 U	1500 UJ
4-CHLORO-3-METHYLPHENOL	1000 U	1300 UJ	1500 UJ	1100 UJ	1000 U	490 U	1500 UJ
4-CHLOROANILINE	1000 U	1300 UJ	1500 UJ	1100 UJ	1000 U	490 U	1500 UJ
4-CHLOROPHENYL PHENYL ETHER	1000 U	1300 UJ	1500 UJ	1100 UJ	1000 U	490 U	1500 UJ
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	2600 U	3300 UJ	3800 UJ	2700 UJ	2600 U	1200 U	3700 UJ
4-NITROPHENOL	2600 U	3300 UJ	3800 UJ	2700 UJ	2600 U	1200 U	3700 UJ
ACENAPHTHENE	530 J	1300 UJ	1500 UJ	1100 UJ	190 J	490 U	1500 UJ
ACENAPHTHYLENE	1000 U	1300 UJ	1500 UJ	1100 UJ	1000 U	490 U	1500 UJ
ANILINE	1000 U	1300 UJ	1500 UJ	1100 UJ	1000 U	490 U	1500 UJ
ANTHRACENE	1100	1300 UJ	1500 UJ	210 J	640 J	490 U	1500 UJ
AZOBENZENE	1000 U	1300 UJ	1500 UJ	1100 UJ	1000 U	490 U	1500 UJ
BENZIDINE	2600 UJ	3300 UJ	3800 UJ	2700 UJ	2600 U	1200 UJ	3700 UJ

NA - Not analyzed.

TABLE B-2
ANALYTICAL RESULTS FOR SEDIMENT
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND
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SAMPLE ID:	SD-16-02	SD-17-SS	SD-18-SS	SD-19-SS	SD-19-01	SD-19-02	SD-20-SS
LABORATORY ID:	WV5583-9	WV5604-2	WV5604-3	WV5604-4	WV5604-5	WV5604-6	WV5604-7
SAMPLE DATE:	10/20/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005
LOCATION:	SD-16	SD-17	SD-18	SD-19	SD-19	SD-19	SD-20
BENZO(A)ANTHRACENE	3600 J	510 J	380 J	770 J	2300	150 J	360 J
BENZO(A)PYRENE	3900 J	650 J	540 J	960 J	2300 J	160 J	420 J
BENZO(B)FLUORANTHENE	5200 J	1100 J	930 J	1400 J	3100 J	190 J	740 J
BENZO(G,H,I)PERYLENE	2300 J	1300 UJ	1500 UJ	460 J	1800 J	490 UJ	1500 UJ
BENZO(K)FLUORANTHENE	2100 J	480 J	430 J	670 J	1300 J	490 UJ	290 J
BENZOIC ACID	2600 U	3300 UJ	3800 UJ	2700 UJ	2600 U	1200 U	3700 UJ
BENZYL ALCOHOL	1000 U	1300 UJ	1500 UJ	1100 UJ	1000 U	490 U	1500 UJ
BIS(2-CHLOROETHOXY)METHANE	1000 U	1300 UJ	1500 UJ	1100 UJ	1000 U	490 U	1500 UJ
BIS(2-CHLOROETHYL)ETHER	1000 U	1300 UJ	1500 UJ	1100 UJ	1000 U	490 U	1500 UJ
BIS(2-ETHYLHEXYL)PHTHALATE	350 J	330 J	550 J	960 J	360 J	140 J	1500 UJ
BUTYL BENZYL PHTHALATE	1000 UJ	1300 UJ	1500 UJ	1100 UJ	1000 U	490 UJ	1500 UJ
CARBAZOLE	410 J	1300 UJ	1500 UJ	1100 UJ	310 J	490 U	1500 UJ
CHRYSENE	5000 J	770 J	600 J	960 J	2800	200 J	490 J
DIBENZO(A,H)ANTHRACENE	640 J	1300 UJ	1500 UJ	1100 UJ	480 J	490 UJ	1500 UJ
DIBENZOFURAN	240 J	1300 UJ	1500 UJ	1100 UJ	1000 U	490 U	1500 UJ
DIETHYL PHTHALATE	1000 U	1300 UJ	1500 UJ	1100 UJ	1000 U	490 U	1500 UJ
DIMETHYL PHTHALATE	1000 U	1300 UJ	1500 UJ	1100 UJ	1000 U	490 U	1500 UJ
DI-N-BUTYL PHTHALATE	1000 U	1300 UJ	1500 UJ	1100 UJ	1000 U	490 U	1500 UJ
DI-N-OCTYL PHTHALATE	1000 UJ	1300 UJ	1500 UJ	1100 UJ	1000 UJ	490 UJ	1500 UJ
FLUORANTHENE	7700	1200 J	980 J	1500 J	4400	340 J	920 J
FLUORENE	490 J	1300 UJ	1500 UJ	1100 UJ	290 J	490 U	1500 UJ
HEXACHLOROBENZENE	1000 U	1300 UJ	1500 UJ	1100 UJ	1000 U	490 U	1500 UJ
HEXACHLOROBUTADIENE	1000 U	1300 UJ	1500 UJ	1100 UJ	1000 U	490 U	1500 UJ
HEXACHLOROCYCLOPENTADIENE	1000 U	1300 UJ	1500 UJ	1100 UJ	1000 U	490 U	1500 UJ
HEXACHLOROETHANE	1000 U	1300 UJ	1500 UJ	1100 UJ	1000 U	490 U	1500 UJ
INDENO(1,2,3-CD)PYRENE	2700 J	1300 UJ	1500 UJ	590 J	2000 J	490 UJ	1500 UJ

NA - Not analyzed.

TABLE B-2
ANALYTICAL RESULTS FOR SEDIMENT
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	SD-16-02	SD-17-SS	SD-18-SS	SD-19-SS	SD-19-01	SD-19-02	SD-20-SS
LABORATORY ID:	WV5583-9	WV5604-2	WV5604-3	WV5604-4	WV5604-5	WV5604-6	WV5604-7
SAMPLE DATE:	10/20/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005
LOCATION:	SD-16	SD-17	SD-18	SD-19	SD-19	SD-19	SD-20
ISOPHORONE	1000 U	1300 UJ	1500 UJ	1100 UJ	1000 U	490 U	1500 UJ
NAPHTHALENE	540 J	1300 UJ	1500 UJ	1100 UJ	300 J	490 U	1500 UJ
NITROBENZENE	1000 U	1300 UJ	1500 UJ	1100 UJ	1000 U	490 U	1500 UJ
N-NITROSODIMETHYLAMINE	1000 U	1300 UJ	1500 UJ	1100 UJ	1000 U	490 U	1500 UJ
N-NITROSO-DI-N-PROPYLAMINE	1000 U	1300 UJ	1500 UJ	1100 UJ	1000 U	490 U	1500 UJ
N-NITROSODIPHENYLAMINE	1000 U	1300 UJ	1500 UJ	1100 UJ	1000 U	490 U	1500 UJ
PENTACHLOROPHENOL	2600 U	3300 UJ	3800 UJ	2700 UJ	2600 U	1200 U	3700 UJ
PHENANTHRENE	3700	580 J	370 J	770 J	2800	170 J	350 J
PHENOL	1000 U	1300 UJ	1500 UJ	1100 UJ	1000 U	490 U	1500 UJ
PYRENE	10000 J	1600 J	1200 J	2200 J	6000	370 J	820 J
PYRIDINE	1000 U	1300 UJ	1500 UJ	1100 UJ	1000 U	490 U	1500 UJ
VOLATILE SOILS (ug/kg)							
1,1,1,2-TETRACHLOROETHANE	16 U	21 UJ	22 UJ	16 UJ	15 U	7 U	22 UJ
1,1,1-TRICHLOROETHANE	16 U	21 UJ	22 UJ	16 UJ	15 U	7 U	22 UJ
1,1,2,2-TETRACHLOROETHANE	16 U	21 UJ	22 UJ	16 UJ	15 U	7 U	22 UJ
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	16 U	21 UJ	22 UJ	16 UJ	15 U	7 U	22 UJ
1,1-DICHLOROETHANE	16 U	21 UJ	22 UJ	16 UJ	15 U	7 U	22 UJ
1,1-DICHLOROETHENE	16 U	21 UJ	22 UJ	16 UJ	15 U	7 U	22 UJ
1,1-DICHLOROPROPENE	16 U	21 UJ	22 UJ	16 UJ	15 U	7 U	22 UJ
1,2,3-TRICHLOROBENZENE	16 U	21 UJ	22 UJ	16 UJ	15 U	7 U	22 UJ
1,2,3-TRICHLOROPROPANE	16 U	21 UJ	22 UJ	16 UJ	15 U	7 U	22 UJ
1,2,3-TRIMETHYLBENZENE	16 U	21 UJ	22 UJ	16 UJ	15 U	7 U	22 UJ
1,2,4-TRICHLOROBENZENE	16 U	21 UJ	22 UJ	16 UJ	15 U	7 U	22 B
1,2,4-TRIMETHYLBENZENE	16 U	21 UJ	22 UJ	16 UJ	15 U	7 U	22 UJ
1,2-DIBROMO-3-CHLOROPROPANE	16 U	21 UJ	22 UJ	16 UJ	15 U	7 U	22 UJ

NA - Not analyzed.

TABLE B-2
ANALYTICAL RESULTS FOR SEDIMENT
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	SD-16-02	SD-17-SS	SD-18-SS	SD-19-SS	SD-19-01	SD-19-02	SD-20-SS
LABORATORY ID:	WV5583-9	WV5604-2	WV5604-3	WV5604-4	WV5604-5	WV5604-6	WV5604-7
SAMPLE DATE:	10/20/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005
LOCATION:	SD-16	SD-17	SD-18	SD-19	SD-19	SD-19	SD-20
1,2-DIBROMOETHANE	16 U	21 UJ	22 UJ	16 UJ	15 U	7 U	22 UJ
1,2-DICHLOROBENZENE	16 U	21 UJ	22 UJ	16 UJ	15 U	7 U	22 UJ
1,2-DICHLOROETHANE	16 U	21 UJ	22 UJ	16 UJ	15 U	7 U	22 UJ
1,2-DICHLOROPROPANE	16 U	21 UJ	22 UJ	16 UJ	15 U	7 U	22 UJ
1,3-DICHLOROBENZENE	16 U	21 UJ	22 UJ	16 UJ	15 U	7 U	22 UJ
1,3-DICHLOROPROPANE	16 U	21 UJ	22 UJ	16 UJ	15 U	7 U	22 UJ
1,4-DICHLOROBENZENE	16 U	21 UJ	22 UJ	16 UJ	15 U	7 U	2 J
2,2-DICHLOROPROPANE	16 U	21 UJ	22 UJ	16 UJ	15 U	7 U	22 UJ
2-BUTANONE	40 J	100 UR	110 UR	23 J	37 J	21 J	110 UR
2-CHLOROETHYL VINYL ETHER	16 U	21 UJ	22 UJ	16 UJ	15 U	7 U	22 UJ
2-CHLOROTOLUENE	16 U	21 UJ	22 UJ	16 UJ	15 U	7 U	22 UJ
2-HEXANONE	78 U	100 UJ	110 UJ	81 UJ	74 U	36 U	110 UJ
4-CHLOROTOLUENE	16 U	21 UJ	22 UJ	16 UJ	15 U	7 U	22 UJ
4-ISOPROPYLTOLUENE	16 U	21 UJ	22 UJ	16 UJ	15 U	7 U	22 UJ
4-METHYL-2-PENTANONE	78 U	100 UJ	110 UJ	81 UJ	74 U	36 U	110 UJ
ACETONE	240	100 B	110 B	81 B	220	110	230 B
BENZENE	16 U	21 UJ	22 UJ	16 UJ	15 U	7 U	22 UJ
BROMOBENZENE	16 U	21 UJ	22 UJ	16 UJ	15 U	7 U	22 UJ
BROMOCHLOROMETHANE	16 U	21 UJ	22 UJ	16 UJ	15 U	7 U	22 UJ
BROMODICHLOROMETHANE	16 U	21 UJ	22 UJ	16 UJ	15 U	7 U	22 UJ
BROMOFORM	16 U	21 UJ	22 UJ	16 UJ	15 U	7 U	22 UJ
BROMOMETHANE	31 U	41 UJ	44 UJ	32 UJ	30 U	14 U	45 UJ
CARBON DISULFIDE	11 J	21 UJ	22 UJ	16 UJ	6 J	7 U	22 UJ
CARBON TETRACHLORIDE	16 U	21 UJ	22 UJ	16 UJ	15 U	7 U	22 UJ
CHLOROBENZENE	16 U	21 UJ	22 UJ	16 UJ	15 U	7 U	22 UJ
CHLORODIBROMOMETHANE	16 U	21 UJ	22 UJ	16 UJ	15 U	7 U	22 UJ

NA - Not analyzed.

TABLE B-2
ANALYTICAL RESULTS FOR SEDIMENT
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	SD-16-02	SD-17-SS	SD-18-SS	SD-19-SS	SD-19-01	SD-19-02	SD-20-SS
LABORATORY ID:	WV5583-9	WV5604-2	WV5604-3	WV5604-4	WV5604-5	WV5604-6	WV5604-7
SAMPLE DATE:	10/20/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005
LOCATION:	SD-16	SD-17	SD-18	SD-19	SD-19	SD-19	SD-20
CHLOROETHANE	31 U	41 UJ	44 UJ	32 UJ	30 U	14 U	45 UJ
CHLOROFORM	16 U	21 UJ	22 UJ	16 UJ	15 U	7 U	22 UJ
CHLOROMETHANE	31 U	41 UJ	44 UJ	32 UJ	30 U	14 U	45 UJ
CIS-1,2-DICHLOROETHENE	16 U	21 UJ	22 UJ	16 UJ	15 U	2 J	22 UJ
CIS-1,3-DICHLOROPROPENE	16 U	21 UJ	22 UJ	16 UJ	15 U	7 U	22 UJ
CYCLOHEXANE	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	16 U	21 UJ	22 UJ	16 UJ	15 U	7 U	22 UJ
DICHLORODIFLUOROMETHANE	31 U	41 UJ	44 UJ	32 UJ	30 U	14 U	45 UJ
DIISOPROPYL ETHER	16 U	21 UJ	22 UJ	16 UJ	15 U	7 U	22 UJ
ETHYL TERT-BUTYL ETHER	16 U	21 UJ	22 UJ	16 UJ	15 U	7 U	22 UJ
ETHYLBENZENE	16 U	21 UJ	22 UJ	16 UJ	15 U	7 U	22 UJ
HEXACHLOROBUTADIENE	16 U	21 UJ	22 UJ	16 UJ	15 U	7 U	22 UJ
ISOPROPYLBENZENE	16 U	21 UJ	22 UJ	16 UJ	10 J	3 J	22 UJ
M+P-XYLENES	31 U	41 UJ	44 UJ	32 UJ	30 U	14 U	45 UJ
METHYL ACETATE	NA	NA	NA	NA	NA	NA	NA
METHYL CYCLOHEXANE	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	2 J	8 J	9 J	32 UJ	30 U	14 U	6 J
METHYLENE CHLORIDE	16 B	21 B	22 B	16 B	17 B	9 B	22 UJ
NAPHTHALENE	16 U	21 UJ	22 UJ	16 UJ	15 U	7 U	22 UJ
N-BUTYLBENZENE	16 U	21 UJ	22 UJ	16 UJ	15 U	7 U	22 UJ
N-PROPYLBENZENE	16 U	21 UJ	22 UJ	16 UJ	15 U	7 U	22 UJ
O-XYLENE	16 U	21 UJ	22 UJ	16 UJ	15 U	7 U	22 UJ
SEC-BUTYLBENZENE	16 U	21 UJ	22 UJ	16 UJ	33	7 J	22 UJ
STYRENE	16 B	21 UJ	22 UJ	16 UJ	15 U	7 U	22 UJ
TERT-AMYL METHYL ETHER	16 U	21 UJ	22 UJ	16 UJ	15 U	7 U	22 UJ
TERT-BUTYLBENZENE	16 U	21 UJ	22 UJ	16 UJ	2 J	7 U	22 UJ

NA - Not analyzed.

TABLE B-2
ANALYTICAL RESULTS FOR SEDIMENT
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	SD-16-02	SD-17-SS	SD-18-SS	SD-19-SS	SD-19-01	SD-19-02	SD-20-SS
LABORATORY ID:	WV5583-9	WV5604-2	WV5604-3	WV5604-4	WV5604-5	WV5604-6	WV5604-7
SAMPLE DATE:	10/20/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005
LOCATION:	SD-16	SD-17	SD-18	SD-19	SD-19	SD-19	SD-20
TERTIARY-BUTYL ALCOHOL	31 UR	41 UR	44 UR	32 UR	30 UR	14 UR	45 UR
TETRACHLOROETHENE	16 U	21 UJ	22 UJ	16 UJ	15 U	7 U	22 UJ
TOLUENE	16 U	21 UJ	22 UJ	16 UJ	15 U	10	22 UJ
TOTAL 1,2-DICHLOROETHENE	31 U	41 UJ	44 UJ	32 UJ	30 U	14 U	45 UJ
TOTAL XYLENES	47 U	62 UJ	66 UJ	48 UJ	45 U	22 U	68 UJ
TRANS-1,2-DICHLOROETHENE	16 U	21 UJ	22 UJ	16 UJ	15 U	7 U	22 UJ
TRANS-1,3-DICHLOROPROPENE	16 U	21 UJ	22 UJ	16 UJ	15 U	7 U	22 UJ
TRICHLOROETHENE	16 U	21 UJ	22 UJ	16 UJ	15 U	7 U	22 UJ
TRICHLOROFLUOROMETHANE	31 U	41 UJ	44 UJ	32 UJ	30 U	14 U	45 UJ
VINYL ACETATE	16 U	21 UJ	22 UJ	16 UJ	15 U	7 U	22 UJ
VINYL CHLORIDE	31 U	41 UJ	44 UJ	32 UJ	30 U	14 U	45 UJ

NA - Not analyzed.

TABLE B-2
ANALYTICAL RESULTS FOR SEDIMENT
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND
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SAMPLE ID:	SD-21-SS	SD-22-SS	SD-23-SS	SD-24-SS	SD-25-SS	SD-26-SS	SD-27-SS
LABORATORY ID:	WV5604-8	648311	WV5604-10	WV5605-1	WV5605-2	WV5605-3	WV5605-4
SAMPLE DATE:	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005
LOCATION:	SD-21	SD-22	SD-23	SD-24	SD-25	SD-26	SD-27
BUTYLTINS (ug/kg)							
DIBUTYLTIN	NA	5.5 J	NA	NA	NA	NA	NA
MONOBUTYLTIN	NA	6.8 UJ	NA	NA	NA	NA	NA
TETRABUTYLTIN	NA	6.8 UJ	NA	NA	NA	NA	NA
TRIBUTYLTIN	NA	6 UJ	NA	NA	NA	NA	NA
INORGANICS (mg/kg)							
ANTIMONY	1.35 UJ	1.35 UJ	1.25 UJ	0.43 UL	0.71 UL	1.5 J	1.2 L
ARSENIC	9.4 J	11.2 J	11.1 J	3.8	5.1	11 J	7.4
BARIUM	38.2 J	61.1 J	52 J	17.1	21.5	59.2 J	61.5
BERYLLIUM	1.9 J	2.5 J	2.3 J	0.84	0.98	2.1 J	2.3
CADMIUM	3.3 J	5.2 J	5.3 J	1.6	4.3	5.6 J	22.7
CHROMIUM	98.4 J	156 J	154 J	33.4 K	63.7 K	170 J	454 K
COBALT	15.2 J	22.2 J	19.9 J	9.8	9.8	21 J	22.6
COPPER	104 J	151 J	127 J	27.2 J	61.3 J	141 J	98.8 J
LEAD	86 J	127 J	119 J	29.4	49.6	121 J	186
MERCURY	0.33 J	0.4 J	0.4 J	0.1 K	0.23 K	0.52 J	0.68 K
MOLYBDENUM	1 J	1.3 J	1.4 J	0.56	0.34 U	1 J	1
NICKEL	31.5 J	46.1 J	41.3 J	15.6	17.1	43.2 J	52.8
SELENIUM	1.2 J	1.18 UJ	1.09 UJ	0.38 U	0.62 B	1.4 B	1.2 B
SILVER	0.97 J	1.8 J	1.9 J	0.11 UL	0.74 L	1.6 J	8.9
THALLIUM	2.01 UJ	2.01 UJ	1.87 UJ	0.64 U	1.05 U	2.21 UJ	1.8 B
VANADIUM	44 J	61.5 J	55.9 J	20.8	24.2	54.9 J	64.9
ZINC	281 J	404 J	362 J	134	180	379 J	456
MISCELLANEOUS (%)							
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	25	23	23	68	42	22	35

NA - Not analyzed.

TABLE B-2
ANALYTICAL RESULTS FOR SEDIMENT
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND
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SAMPLE ID:	SD-21-SS	SD-22-SS	SD-23-SS	SD-24-SS	SD-25-SS	SD-26-SS	SD-27-SS
LABORATORY ID:	WV5604-8	648311	WV5604-10	WV5605-1	WV5605-2	WV5605-3	WV5605-4
SAMPLE DATE:	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005
LOCATION:	SD-21	SD-22	SD-23	SD-24	SD-25	SD-26	SD-27
MISCELLANEOUS (mg/kg)							
HEXAVALENT CHROMIUM	2 UJ	2.2 UJ	2.2 UJ	0.74 UL	1.1 UL	2.2 UJ	1.4 UL
TOTAL ORGANIC CARBON	NA	NA	NA	NA	28000 K	NA	47000 K
MISCELLANEOUS (ug/kg)							
TOTAL ORGANIC CARBON	NA	NA	55000 J	NA	NA	NA	NA
PESTICIDES/PCBs (ug/kg)							
AROCLOR-1016	67 UJ	74 UJ	74 UJ	25 U	40 U	76 UJ	2400 UJ
AROCLOR-1221	67 UJ	74 UJ	74 UJ	25 U	40 U	76 UJ	2400 UJ
AROCLOR-1232	67 UJ	74 UJ	74 UJ	25 U	40 U	76 UJ	2400 UJ
AROCLOR-1242	67 UJ	74 UJ	74 UJ	25 U	40 U	76 UJ	2400 UJ
AROCLOR-1248	67 UJ	74 UJ	74 UJ	25 U	40 U	76 UJ	2400 UJ
AROCLOR-1254	67 UJ	74 UJ	74 UJ	25 U	40 U	76 UJ	2400 UJ
AROCLOR-1260	560 J	2000 J	750 J	190 J	1300 J	1500 J	20000 J
SEMIVOLATILE SOIL (ug/kg)							
1,2,4-TRICHLOROBENZENE	1300 UJ	1400 UJ	1400 UJ	480 U	780 U	1500 UJ	940 U
1,2-DICHLOROBENZENE	1300 UJ	1400 UJ	1400 UJ	480 U	780 U	1500 UJ	940 U
1,2-DIPHENYLHYDRAZINE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	1300 UJ	1400 UJ	1400 UJ	480 U	780 U	1500 UJ	420 J
1,4-DICHLOROBENZENE	1300 UJ	450 J	1400 UJ	480 U	96 J	160 J	850 J
1,4-DIOXANE	1300 UJ	1400 UJ	1400 UJ	480 U	780 U	1500 UJ	940 U
1-METHYLNAPHTHALENE	1300 UJ	1400 UJ	1400 UJ	480 U	780 U	1500 UJ	940 U
2,2'-OXYBIS(1-CHLOROPROPANE)	1300 UJ	1400 UJ	1400 UJ	480 U	780 U	1500 UJ	940 U
2,4,5-TRICHLOROPHENOL	3200 UJ	3600 UJ	3600 UJ	1200 U	1900 U	3700 UJ	2300 U
2,4,6-TRICHLOROPHENOL	1300 UJ	1400 UJ	1400 UJ	480 U	780 U	1500 UJ	940 U
2,4-DICHLOROPHENOL	1300 UJ	1400 UJ	1400 UJ	480 U	780 U	1500 UJ	940 U
2,4-DIMETHYLPHENOL	1300 UJ	1400 UJ	1400 UJ	480 U	780 U	1500 UJ	940 U

NA - Not analyzed.

TABLE B-2
ANALYTICAL RESULTS FOR SEDIMENT
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	SD-21-SS	SD-22-SS	SD-23-SS	SD-24-SS	SD-25-SS	SD-26-SS	SD-27-SS
LABORATORY ID:	WV5604-8	648311	WV5604-10	WV5605-1	WV5605-2	WV5605-3	WV5605-4
SAMPLE DATE:	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005
LOCATION:	SD-21	SD-22	SD-23	SD-24	SD-25	SD-26	SD-27
2,4-DINITROPHENOL	3200 UJ	3600 UJ	3600 UJ	1200 U	1900 U	3700 UJ	2300 U
2,4-DINITROTOLUENE	1300 UJ	1400 UJ	1400 UJ	480 U	780 U	1500 UJ	940 U
2,6-DINITROTOLUENE	1300 UJ	1400 UJ	1400 UJ	480 U	780 U	1500 UJ	940 U
2-CHLORONAPHTHALENE	1300 UJ	1400 UJ	1400 UJ	480 U	780 U	1500 UJ	940 U
2-CHLOROPHENOL	1300 UJ	1400 UJ	1400 UJ	480 U	780 U	1500 UJ	940 U
2-METHYLNAPHTHALENE	1300 UJ	1400 UJ	1400 UJ	480 U	780 U	1500 UJ	940 U
2-METHYLPHENOL	1300 UJ	1400 UJ	1400 UJ	480 U	780 U	1500 UJ	940 U
2-NITROANILINE	3200 UJ	3600 UJ	3600 UJ	1200 U	1900 U	3700 UJ	2300 U
2-NITROPHENOL	1300 UJ	1400 UJ	1400 UJ	480 U	780 U	1500 UJ	940 U
3&4-METHYLPHENOL	1300 UJ	1400 UJ	1400 UJ	480 U	780 U	1500 UJ	940 U
3,3'-DICHLOROBENZIDINE	1300 UJ	1400 UJ	1400 UJ	480 UJ	780 U	1500 UJ	940 U
3-NITROANILINE	3200 UJ	3600 UJ	3600 UJ	1200 U	1900 U	3700 UJ	2300 U
4,6-DINITRO-2-METHYLPHENOL	3200 UJ	3600 UJ	3600 UJ	1200 U	1900 U	3700 UJ	2300 U
4-BROMOPHENYL PHENYL ETHER	1300 UJ	1400 UJ	1400 UJ	480 U	780 U	1500 UJ	940 U
4-CHLORO-3-METHYLPHENOL	1300 UJ	1400 UJ	1400 UJ	480 U	780 U	1500 UJ	940 U
4-CHLOROANILINE	1300 UJ	1400 UJ	1400 UJ	480 U	780 U	1500 UJ	940 U
4-CHLOROPHENYL PHENYL ETHER	1300 UJ	1400 UJ	1400 UJ	480 U	780 U	1500 UJ	940 U
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	3200 UJ	3600 UJ	3600 UJ	1200 U	1900 U	3700 UJ	2300 U
4-NITROPHENOL	3200 UJ	3600 UJ	3600 UJ	1200 U	1900 U	3700 UJ	2300 U
ACENAPHTHENE	1300 UJ	1400 UJ	1400 UJ	480 U	160 J	1500 UJ	250 J
ACENAPHTHYLENE	1300 UJ	1400 UJ	1400 UJ	480 U	780 U	1500 UJ	940 U
ANILINE	1300 UJ	1400 UJ	1400 UJ	480 U	780 U	1500 UJ	940 U
ANTHRACENE	1300 UJ	1400 UJ	1400 UJ	480 U	150 J	1500 UJ	300 J
AZOBENZENE	1300 UJ	1400 UJ	1400 UJ	480 U	780 U	1500 UJ	940 U
BENZIDINE	3200 UJ	3600 UJ	3600 UJ	1200 UJ	1900 U	3700 UJ	2300 U

NA - Not analyzed.

TABLE B-2
ANALYTICAL RESULTS FOR SEDIMENT
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	SD-21-SS	SD-22-SS	SD-23-SS	SD-24-SS	SD-25-SS	SD-26-SS	SD-27-SS
LABORATORY ID:	WV5604-8	648311	WV5604-10	WV5605-1	WV5605-2	WV5605-3	WV5605-4
SAMPLE DATE:	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005
LOCATION:	SD-21	SD-22	SD-23	SD-24	SD-25	SD-26	SD-27
BENZO(A)ANTHRACENE	350 J	400 J	350 J	370 J	330 J	330 J	980
BENZO(A)PYRENE	520 J	580 J	480 J	350 J	370 J	450 J	990 J
BENZO(B)FLUORANTHENE	800 J	1000 J	830 J	570 J	570 J	780 J	1400 J
BENZO(G,H,I)PERYLENE	1300 UJ	1400 UJ	1400 UJ	230 J	780 UJ	1500 UJ	730 J
BENZO(K)FLUORANTHENE	350 J	520 J	280 J	210 J	780 UJ	310 J	240 J
BENZOIC ACID	3200 UJ	3600 UJ	3600 UJ	1200 U	1900 U	3700 UJ	2300 U
BENZYL ALCOHOL	1300 UJ	1400 UJ	1400 UJ	480 U	780 UJ	1500 UJ	940 UJ
BIS(2-CHLOROETHOXY)METHANE	1300 UJ	1400 UJ	1400 UJ	480 U	780 U	1500 UJ	940 U
BIS(2-CHLOROETHYL)ETHER	1300 UJ	1400 UJ	1400 UJ	480 U	780 U	1500 UJ	940 U
BIS(2-ETHYLHEXYL)PHTHALATE	360 J	440 J	360 J	450 J	300 J	1500 J	630 J
BUTYL BENZYL PHTHALATE	1300 UJ	1400 UJ	1400 UJ	120 J	780 U	1500 UJ	940 U
CARBAZOLE	1300 UJ	1400 UJ	1400 UJ	480 U	780 U	1500 UJ	180 J
CHRYSENE	570 J	690 J	530 J	480 J	490 J	530 J	1400
DIBENZO(A,H)ANTHRACENE	1300 UJ	1400 UJ	1400 UJ	480 UJ	780 UJ	1500 UJ	940 UJ
DIBENZOFURAN	1300 UJ	1400 UJ	1400 UJ	480 U	780 U	1500 UJ	940 U
DIETHYL PHTHALATE	1300 UJ	1400 UJ	1400 UJ	480 U	780 U	1500 UJ	940 U
DIMETHYL PHTHALATE	1300 UJ	1400 UJ	1400 UJ	480 U	780 U	1500 UJ	940 U
DI-N-BUTYL PHTHALATE	1300 UJ	1400 UJ	1400 UJ	480 U	780 U	1500 UJ	940 U
DI-N-OCTYL PHTHALATE	1300 UJ	1400 UJ	1400 UJ	480 UJ	780 UJ	1500 UJ	940 UJ
FLUORANTHENE	990 J	1000 J	860 J	440 J	500 J	780 J	1500
FLUORENE	1300 UJ	1400 UJ	1400 UJ	480 U	780 U	1500 UJ	180 J
HEXACHLOROBENZENE	1300 UJ	1400 UJ	1400 UJ	480 U	780 U	1500 UJ	940 U
HEXACHLOROBUTADIENE	1300 UJ	1400 UJ	1400 UJ	480 U	780 U	1500 UJ	940 U
HEXACHLOROCYCLOPENTADIENE	1300 UJ	1400 UJ	1400 UJ	480 U	780 UR	1500 UJ	940 UR
HEXACHLOROETHANE	1300 UJ	1400 UJ	1400 UJ	480 U	780 U	1500 UJ	940 U
INDENO(1,2,3-CD)PYRENE	1300 UJ	1400 UJ	1400 UJ	240 J	320 J	1500 UJ	740 J

NA - Not analyzed.

TABLE B-2
ANALYTICAL RESULTS FOR SEDIMENT
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	SD-21-SS	SD-22-SS	SD-23-SS	SD-24-SS	SD-25-SS	SD-26-SS	SD-27-SS
LABORATORY ID:	WV5604-8	648311	WV5604-10	WV5605-1	WV5605-2	WV5605-3	WV5605-4
SAMPLE DATE:	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005
LOCATION:	SD-21	SD-22	SD-23	SD-24	SD-25	SD-26	SD-27
ISOPHORONE	1300 UJ	1400 UJ	1400 UJ	480 U	780 U	1500 UJ	940 U
NAPHTHALENE	1300 UJ	1400 UJ	1400 UJ	480 U	780 U	1500 UJ	940 U
NITROBENZENE	1300 UJ	1400 UJ	1400 UJ	480 U	780 U	1500 UJ	940 U
N-NITROSODIMETHYLAMINE	1300 UJ	1400 UJ	1400 UJ	480 U	780 U	1500 UJ	940 U
N-NITROSO-DI-N-PROPYLAMINE	1300 UJ	1400 UJ	1400 UJ	480 U	780 U	1500 UJ	940 U
N-NITROSODIPHENYLAMINE	1300 UJ	1400 UJ	1400 UJ	480 U	780 U	1500 UJ	940 U
PENTACHLOROPHENOL	3200 UJ	3600 UJ	3600 UJ	1200 U	1900 U	3700 UJ	2300 U
PHENANTHRENE	350 J	460 J	300 J	240 J	240 J	360 J	850 J
PHENOL	1300 UJ	1400 UJ	1400 UJ	480 U	780 U	1500 UJ	940 U
PYRENE	950 J	1300 J	1100 J	990 J	860	1200 J	2500
PYRIDINE	1300 UJ	1400 UJ	1400 UJ	480 U	780 U	1500 UJ	940 U
VOLATILE SOILS (ug/kg)							
1,1,1,2-TETRACHLOROETHANE	20 UJ	22 UJ	22 UJ	7 U	12 UJ	23 UJ	14 U
1,1,1-TRICHLOROETHANE	20 UJ	22 UJ	22 UJ	7 U	12 UJ	23 UJ	14 U
1,1,2,2-TETRACHLOROETHANE	20 UJ	22 UJ	22 UJ	7 U	12 UJ	23 UJ	14 U
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	20 UJ	22 UJ	22 UJ	7 U	12 UJ	23 UJ	14 U
1,1-DICHLOROETHANE	20 UJ	22 UJ	22 UJ	7 U	12 UJ	23 UJ	14 U
1,1-DICHLOROETHENE	20 UJ	22 UJ	22 UJ	7 U	12 UJ	23 UJ	14 U
1,1-DICHLOROPROPENE	20 UJ	22 UJ	22 UJ	7 U	12 UJ	23 UJ	14 U
1,2,3-TRICHLOROBENZENE	20 UJ	22 UJ	22 UJ	7 U	12 UJ	23 UJ	14 U
1,2,3-TRICHLOROPROPANE	20 UJ	22 UJ	22 UJ	7 U	12 UJ	23 UJ	14 U
1,2,3-TRIMETHYLBENZENE	20 UJ	22 UJ	22 UJ	7 U	12 UJ	23 UJ	14 U
1,2,4-TRICHLOROBENZENE	20 B	22 B	22 B	7 U	12 UJ	23 UJ	14 U
1,2,4-TRIMETHYLBENZENE	20 UJ	22 UJ	22 UJ	7 U	12 UJ	23 UJ	14 U
1,2-DIBROMO-3-CHLOROPROPANE	20 UJ	22 UJ	22 UJ	7 U	12 UJ	23 UJ	14 U

NA - Not analyzed.

TABLE B-2
ANALYTICAL RESULTS FOR SEDIMENT
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	SD-21-SS	SD-22-SS	SD-23-SS	SD-24-SS	SD-25-SS	SD-26-SS	SD-27-SS
LABORATORY ID:	WV5604-8	648311	WV5604-10	WV5605-1	WV5605-2	WV5605-3	WV5605-4
SAMPLE DATE:	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005
LOCATION:	SD-21	SD-22	SD-23	SD-24	SD-25	SD-26	SD-27
1,2-DIBROMOETHANE	20 UJ	22 UJ	22 UJ	7 U	12 UJ	23 UJ	14 U
1,2-DICHLOROBENZENE	20 UJ	22 UJ	22 UJ	7 U	12 UJ	23 UJ	14 U
1,2-DICHLOROETHANE	20 UJ	22 UJ	22 UJ	7 U	12 UJ	23 UJ	14 U
1,2-DICHLOROPROPANE	20 UJ	22 UJ	22 UJ	7 U	12 UJ	23 UJ	14 U
1,3-DICHLOROBENZENE	20 UJ	2 J	22 UJ	7 U	12 UJ	23 UJ	14 U
1,3-DICHLOROPROPANE	20 UJ	22 UJ	22 UJ	7 U	12 UJ	23 UJ	14 U
1,4-DICHLOROBENZENE	1 J	3 J	1 J	7 U	12 UJ	23 UJ	14 U
2,2-DICHLOROPROPANE	20 UJ	22 UJ	22 UJ	7 U	12 UJ	23 UJ	14 U
2-BUTANONE	99 UR	110 UR	110 UR	36 UR	58 UR	110 UR	71 UR
2-CHLOROETHYL VINYL ETHER	20 UJ	22 UJ	22 UJ	7 U	12 UJ	23 UJ	14 U
2-CHLOROTOLUENE	20 UJ	22 UJ	22 UJ	7 U	12 UJ	23 UJ	14 U
2-HEXANONE	99 UJ	110 UJ	110 UJ	36 U	58 UJ	110 UJ	71 U
4-CHLOROTOLUENE	20 UJ	22 UJ	22 UJ	7 U	12 UJ	23 UJ	14 U
4-ISOPROPYLTOLUENE	20 UJ	22 UJ	22 UJ	7 U	12 UJ	23 UJ	14 U
4-METHYL-2-PENTANONE	99 UJ	110 UJ	110 UJ	36 U	58 UJ	110 UJ	71 U
ACETONE	200 B	240 B	140 B	13 B	47 B	65 B	80 B
BENZENE	20 UJ	22 UJ	22 UJ	7 U	12 UJ	23 UJ	14 U
BROMOBENZENE	20 UJ	22 UJ	22 UJ	7 U	12 UJ	23 UJ	14 U
BROMOCHLOROMETHANE	20 UJ	22 UJ	22 UJ	7 U	12 UJ	23 UJ	14 U
BROMODICHLOROMETHANE	20 UJ	22 UJ	22 UJ	7 U	12 UJ	23 UJ	14 U
BROMOFORM	20 UJ	22 UJ	22 UJ	7 U	12 UJ	23 UJ	14 U
BROMOMETHANE	40 UJ	44 UJ	43 UJ	15 U	23 UJ	46 UJ	28 U
CARBON DISULFIDE	20 UJ	22 UJ	22 UJ	7 U	12 UR	23 UJ	14 U
CARBON TETRACHLORIDE	20 UJ	22 UJ	22 UJ	7 U	12 UJ	23 UJ	14 U
CHLOROBENZENE	20 UJ	3 J	22 UJ	7 U	12 UJ	23 UJ	14 U
CHLORODIBROMOMETHANE	20 UJ	22 UJ	22 UJ	7 U	12 UJ	23 UJ	14 U

NA - Not analyzed.

TABLE B-2
ANALYTICAL RESULTS FOR SEDIMENT
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	SD-21-SS	SD-22-SS	SD-23-SS	SD-24-SS	SD-25-SS	SD-26-SS	SD-27-SS
LABORATORY ID:	WV5604-8	648311	WV5604-10	WV5605-1	WV5605-2	WV5605-3	WV5605-4
SAMPLE DATE:	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005
LOCATION:	SD-21	SD-22	SD-23	SD-24	SD-25	SD-26	SD-27
CHLOROETHANE	40 UJ	44 UJ	43 UJ	15 U	23 UJ	46 UJ	28 U
CHLOROFORM	20 UJ	22 UJ	22 UJ	7 U	12 UJ	23 UJ	14 U
CHLOROMETHANE	40 UJ	44 UJ	43 UJ	15 U	23 UJ	46 UJ	28 U
CIS-1,2-DICHLOROETHENE	20 UJ	22 UJ	22 UJ	7 U	12 UJ	23 UJ	14 U
CIS-1,3-DICHLOROPROPENE	20 UJ	22 UJ	22 UJ	7 U	12 UJ	23 UJ	14 U
CYCLOHEXANE	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	20 UJ	22 UJ	22 UJ	7 U	12 UJ	23 UJ	14 U
DICHLORODIFLUOROMETHANE	40 UJ	44 UJ	43 UJ	15 U	23 UJ	46 UJ	28 U
DIISOPROPYL ETHER	20 UJ	22 UJ	22 UJ	7 U	12 UJ	23 UJ	14 U
ETHYL TERT-BUTYL ETHER	20 UJ	22 UJ	22 UJ	7 U	12 UJ	23 UJ	14 U
ETHYLBENZENE	20 UJ	22 UJ	22 UJ	7 U	12 UJ	23 UJ	14 U
HEXACHLOROBUTADIENE	20 UJ	22 UJ	22 UJ	7 U	12 UJ	23 UJ	14 U
ISOPROPYLBENZENE	20 UJ	22 UJ	22 UJ	7 U	12 UJ	23 UJ	14 U
M+P-XYLENES	40 UJ	44 UJ	43 UJ	15 U	23 UJ	46 UJ	28 U
METHYL ACETATE	NA	NA	NA	NA	NA	NA	NA
METHYL CYCLOHEXANE	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	8 J	5 J	9 J	15 U	3 J	8 J	28 U
METHYLENE CHLORIDE	20 UJ	22 UJ	22 UJ	6 B	9 B	23 B	10 B
NAPHTHALENE	20 UJ	22 UJ	22 UJ	7 U	12 UJ	23 UJ	14 U
N-BUTYLBENZENE	20 UJ	22 UJ	22 UJ	7 U	12 UJ	23 UJ	14 U
N-PROPYLBENZENE	20 UJ	22 UJ	22 UJ	7 U	12 UJ	23 UJ	14 U
O-XYLENE	20 UJ	22 UJ	22 UJ	7 U	12 UJ	23 UJ	14 U
SEC-BUTYLBENZENE	20 UJ	22 UJ	22 UJ	7 U	12 UJ	23 UJ	14 U
STYRENE	20 UJ	22 UJ	22 UJ	7 U	12 UJ	23 UJ	14 U
TERT-AMYL METHYL ETHER	20 UJ	22 UJ	22 UJ	7 U	12 UJ	23 UJ	14 U
TERT-BUTYLBENZENE	20 UJ	22 UJ	22 UJ	7 U	12 UJ	23 UJ	14 U

NA - Not analyzed.

TABLE B-2
ANALYTICAL RESULTS FOR SEDIMENT
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	SD-21-SS	SD-22-SS	SD-23-SS	SD-24-SS	SD-25-SS	SD-26-SS	SD-27-SS
LABORATORY ID:	WV5604-8	648311	WV5604-10	WV5605-1	WV5605-2	WV5605-3	WV5605-4
SAMPLE DATE:	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005
LOCATION:	SD-21	SD-22	SD-23	SD-24	SD-25	SD-26	SD-27
TERTIARY-BUTYL ALCOHOL	40 UR	44 UR	43 UR	15 UR	23 UR	46 UR	28 UR
TETRACHLOROETHENE	20 UJ	22 UJ	22 UJ	7 U	12 UJ	23 UJ	14 U
TOLUENE	20 UJ	22 UJ	22 UJ	7 U	12 UJ	23 UJ	10 J
TOTAL 1,2-DICHLOROETHENE	40 UJ	44 UJ	43 UJ	15 U	23 UJ	46 UJ	28 U
TOTAL XYLENES	59 UJ	65 UJ	65 UJ	22 U	35 UJ	68 UJ	42 U
TRANS-1,2-DICHLOROETHENE	20 UJ	22 UJ	22 UJ	7 U	12 UJ	23 UJ	14 U
TRANS-1,3-DICHLOROPROPENE	20 UJ	22 UJ	22 UJ	7 U	12 UJ	23 UJ	14 U
TRICHLOROETHENE	20 UJ	22 UJ	22 UJ	7 U	12 UR	23 UJ	14 U
TRICHLOROFLUOROMETHANE	40 UJ	44 UJ	43 UJ	15 U	23 UJ	46 UJ	28 U
VINYL ACETATE	20 UJ	22 UJ	22 UJ	7 U	12 UJ	23 UJ	14 U
VINYL CHLORIDE	40 UJ	44 UJ	43 UJ	15 U	23 UJ	46 UJ	28 U

NA - Not analyzed.

TABLE B-2
ANALYTICAL RESULTS FOR SEDIMENT
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND
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SAMPLE ID:	SD-27-01	SD-27-02	SD-28-SS	SD-28-01	SD-28-02	SD-29-SS	SD-29-01
LABORATORY ID:	WV5605-5	WV5605-6	648312	648313	648314	648318	WV5605-11
SAMPLE DATE:	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005
LOCATION:	SD-27	SD-27	SD-28	SD-28	SD-28	SD-29	SD-29
BUTYLTINS (ug/kg)							
DIBUTYLTIN	NA	NA	4.5 UJ	3.5 U	2.8 U	9.9	NA
MONOBUTYLTIN	NA	NA	5.9 UJ	4.6 U	3.7 U	5.3 U	NA
TETRABUTYLTIN	NA	NA	5.9 UJ	4.6 U	3.7 U	5.3 U	NA
TRIBUTYLTIN	NA	NA	5.2 UJ	4.1 U	3.3 U	4.7 U	NA
INORGANICS (mg/kg)							
ANTIMONY	1.1 L	0.38 UL	1.23 UJ	0.57 UL	0.54 UL	1.09 UL	1.2 L
ARSENIC	7.8	2.1	8.4 J	5	5.4	8.3	3.9
BARIUM	61.6	8	66.8 J	38.1	32.7	63.3	63.5
BERYLLIUM	2.2	1.1	2.2 J	1.4	1.9	2.3	2.1
CADMIUM	27.9	0.64	39.4 J	8.4	1.1	10.3	40.5
CHROMIUM	503 K	24.2 K	680 J	140 K	56.2 K	253 K	817 K
COBALT	22.1	3.9	20.9 J	11.7	14	22.8	17.3
COPPER	128 J	7.4 J	112 J	86.2 J	19.8 J	93.5 J	67.5 J
LEAD	215	23.8	235 J	86.9	25.6	198	136
MERCURY	1.5 K	0.05 B	0.98 J	0.43 K	2.4 K	0.84 K	0.1 B
MOLYBDENUM	2.4	0.4	1.9 J	0.65	1.2	1.4	1.7
NICKEL	59.8	8.4	62.8 J	24.2	23.6	52.5	43.1
SELENIUM	1.4 B	0.33 U	1.2 B	0.73 B	0.47 U	1.4 B	1.3 B
SILVER	15.6	0.19 L	28.6 J	0.74 L	0.21 L	3.1 L	12.6
THALLIUM	1.5 U	0.57 U	1.83 UJ	0.85 U	0.8 U	1.63 U	1.3 U
VANADIUM	98.8	15.8	120 J	32.5	35.9	69.7	57
ZINC	531	32.4	636 J	258	91.9	414	456
MISCELLANEOUS (%)							
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	35	72	29	39	44	34	36

NA - Not analyzed.

TABLE B-2
ANALYTICAL RESULTS FOR SEDIMENT
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	SD-27-01	SD-27-02	SD-28-SS	SD-28-01	SD-28-02	SD-29-SS	SD-29-01
LABORATORY ID:	WV5605-5	WV5605-6	648312	648313	648314	648318	WV5605-11
SAMPLE DATE:	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005
LOCATION:	SD-27	SD-27	SD-28	SD-28	SD-28	SD-29	SD-29
MISCELLANEOUS (mg/kg)							
HEXAVALENT CHROMIUM	1.4 UL	0.68 UL	1.7 UJ	1.2 UL	1.1 UL	1.5 UL	1.4 UL
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA
MISCELLANEOUS (ug/kg)							
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBs (ug/kg)							
AROCLOR-1016	48 U	24 U	59 UJ	44 U	38 U	51 U	47 U
AROCLOR-1221	48 U	24 U	59 UJ	44 U	38 U	51 U	47 U
AROCLOR-1232	48 U	24 U	59 UJ	44 U	38 U	51 U	47 U
AROCLOR-1242	48 U	24 U	59 UJ	44 U	38 U	51 U	47 U
AROCLOR-1248	48 U	24 U	59 UJ	44 U	38 U	51 U	47 U
AROCLOR-1254	48 U	24 U	59 UJ	44 U	38 U	51 U	47 U
AROCLOR-1260	670 J	67 J	790 J	610 J	38 U	2500	210
SEMIVOLATILE SOIL (ug/kg)							
1,2,4-TRICHLOROBENZENE	940 U	460 U	1100 UJ	850 U	740 U	980 U	900 U
1,2-DICHLOROBENZENE	940 U	460 U	1100 UJ	850 U	740 U	980 U	900 U
1,2-DIPHENYLHYDRAZINE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	940 U	460 U	1100 UJ	850 U	740 U	980 U	900 U
1,4-DICHLOROBENZENE	940 U	460 U	1100 UJ	100 J	740 U	76 J	900 U
1,4-DIOXANE	940 U	460 U	1100 UJ	850 U	740 U	980 U	900 U
1-METHYLNAPHTHALENE	940 U	460 U	1100 UJ	850 U	740 U	980 U	900 U
2,2'-OXYBIS(1-CHLOROPROPANE)	940 U	460 U	1100 UJ	850 U	740 U	980 U	900 U
2,4,5-TRICHLOROPHENOL	2300 U	1100 U	2800 UJ	2100 U	1800 U	2400 U	2200 U
2,4,6-TRICHLOROPHENOL	940 U	460 U	1100 UJ	850 U	740 U	980 U	900 U
2,4-DICHLOROPHENOL	940 U	460 U	1100 UJ	850 U	740 U	980 U	900 U
2,4-DIMETHYLPHENOL	940 U	460 U	1100 UJ	850 U	740 U	980 U	900 U

NA - Not analyzed.

TABLE B-2
ANALYTICAL RESULTS FOR SEDIMENT
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	SD-27-01	SD-27-02	SD-28-SS	SD-28-01	SD-28-02	SD-29-SS	SD-29-01
LABORATORY ID:	WV5605-5	WV5605-6	648312	648313	648314	648318	WV5605-11
SAMPLE DATE:	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005
LOCATION:	SD-27	SD-27	SD-28	SD-28	SD-28	SD-29	SD-29
2,4-DINITROPHENOL	2300 U	1100 U	2800 UJ	2100 U	1800 U	2400 U	2200 U
2,4-DINITROTOLUENE	940 U	460 U	1100 UJ	850 U	740 U	980 U	900 U
2,6-DINITROTOLUENE	940 U	460 U	1100 UJ	850 U	740 U	980 U	900 U
2-CHLORONAPHTHALENE	940 U	460 U	1100 UJ	850 U	740 U	980 U	900 U
2-CHLOROPHENOL	940 U	460 U	1100 UJ	850 U	740 U	980 U	900 U
2-METHYLNAPHTHALENE	940 U	460 U	1100 UJ	850 U	740 U	980 U	900 U
2-METHYLPHENOL	940 U	460 U	1100 UJ	850 U	740 U	980 U	900 U
2-NITROANILINE	2300 U	1100 U	2800 UJ	2100 U	1800 U	2400 U	2200 U
2-NITROPHENOL	940 U	460 U	1100 UJ	850 U	740 U	980 U	900 U
3&4-METHYLPHENOL	940 U	460 U	1100 UJ	850 U	740 U	980 U	900 U
3,3'-DICHLOROBENZIDINE	940 U	460 U	1100 UJ	850 U	740 U	980 UJ	900 U
3-NITROANILINE	2300 U	1100 U	2800 UJ	2100 U	1800 U	2400 U	2200 U
4,6-DINITRO-2-METHYLPHENOL	2300 U	1100 U	2800 UJ	2100 U	1800 U	2400 U	2200 U
4-BROMOPHENYL PHENYL ETHER	940 U	460 U	1100 UJ	850 U	740 U	980 U	900 U
4-CHLORO-3-METHYLPHENOL	940 U	460 U	1100 UJ	850 U	740 U	980 U	900 U
4-CHLOROANILINE	940 U	460 U	1100 UJ	850 U	740 U	980 U	900 U
4-CHLOROPHENYL PHENYL ETHER	940 U	460 U	1100 UJ	850 U	740 U	980 U	900 U
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	2300 U	1100 U	2800 UJ	2100 U	1800 U	2400 U	2200 U
4-NITROPHENOL	2300 U	1100 U	2800 UJ	2100 U	1800 U	2400 U	2200 U
ACENAPHTHENE	940 U	460 U	790 J	710 J	740 U	980 U	900 U
ACENAPHTHYLENE	940 U	460 U	1100 UJ	850 U	740 U	980 U	900 U
ANILINE	940 U	460 U	1100 UJ	850 U	740 U	980 U	900 U
ANTHRACENE	940 U	460 U	1700 J	1400	740 U	980 U	900 U
AZOBENZENE	940 U	460 U	1100 UJ	850 U	740 U	980 U	900 U
BENZIDINE	2300 U	1100 U	2800 UJ	2100 U	1800 U	2400 UJ	2200 U

NA - Not analyzed.

TABLE B-2
ANALYTICAL RESULTS FOR SEDIMENT
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	SD-27-01	SD-27-02	SD-28-SS	SD-28-01	SD-28-02	SD-29-SS	SD-29-01
LABORATORY ID:	WV5605-5	WV5605-6	648312	648313	648314	648318	WV5605-11
SAMPLE DATE:	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005
LOCATION:	SD-27	SD-27	SD-28	SD-28	SD-28	SD-29	SD-29
BENZO(A)ANTHRACENE	580 J	460 U	5200 J	5100	740 U	420 J	610 J
BENZO(A)PYRENE	670 J	460 U	4400 J	4200	740 U	470 J	650 J
BENZO(B)FLUORANTHENE	890 J	460 U	5800 J	5400	740 U	660 J	920 J
BENZO(G,H,I)PERYLENE	590 J	460 U	3100 J	2300	740 U	980 UJ	410 J
BENZO(K)FLUORANTHENE	360 J	460 U	2700 J	2500	740 U	310 J	490 J
BENZOIC ACID	2300 U	1100 U	2800 UJ	2100 U	1800 U	2400 U	2200 U
BENZYL ALCOHOL	940 U	460 U	1100 UJ	850 U	740 U	980 U	900 U
BIS(2-CHLOROETHOXY)METHANE	940 U	460 U	1100 UJ	850 U	740 U	980 U	900 U
BIS(2-CHLOROETHYL)ETHER	940 U	460 U	1100 UJ	850 U	740 U	980 U	900 U
BIS(2-ETHYLHEXYL)PHTHALATE	520 J	460 U	510 J	850 U	740 U	390 J	340 J
BUTYL BENZYL PHTHALATE	940 U	460 U	1100 UJ	850 U	740 U	980 UJ	900 U
CARBAZOLE	940 U	460 U	990 J	760 J	740 U	980 U	900 U
CHRYSENE	750 J	460 U	5400 J	5200	740 U	560 J	660 J
DIBENZO(A,H)ANTHRACENE	940 U	460 U	600 J	700 J	740 U	980 UJ	900 UJ
DIBENZOFURAN	940 U	460 U	340 J	270 J	740 U	980 U	900 U
DIETHYL PHTHALATE	940 U	460 U	1100 UJ	850 U	740 U	980 U	900 U
DIMETHYL PHTHALATE	940 U	460 U	1100 UJ	850 U	740 U	980 U	900 U
DI-N-BUTYL PHTHALATE	940 U	460 U	1100 UJ	850 U	740 U	980 U	900 U
DI-N-OCTYL PHTHALATE	940 U	460 U	1100 UJ	850 U	740 U	980 UJ	900 UJ
FLUORANTHENE	1100	460 U	9800 J	9300	740 U	840 J	1200
FLUORENE	940 U	460 U	680 J	550 J	740 U	980 U	900 U
HEXACHLOROBENZENE	940 U	460 U	1100 UJ	850 U	740 U	980 U	900 U
HEXACHLOROBUTADIENE	940 U	460 U	1100 UJ	850 U	740 U	980 U	900 U
HEXACHLOROCYCLOPENTADIENE	940 U	460 U	1100 UJ	850 U	740 U	980 U	900 U
HEXACHLOROETHANE	940 U	460 U	1100 UJ	850 U	740 U	980 U	900 U
INDENO(1,2,3-CD)PYRENE	600 J	460 U	3400 J	3000	740 U	980 UJ	490 J

NA - Not analyzed.

TABLE B-2
ANALYTICAL RESULTS FOR SEDIMENT
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	SD-27-01	SD-27-02	SD-28-SS	SD-28-01	SD-28-02	SD-29-SS	SD-29-01
LABORATORY ID:	WV5605-5	WV5605-6	648312	648313	648314	648318	WV5605-11
SAMPLE DATE:	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005
LOCATION:	SD-27	SD-27	SD-28	SD-28	SD-28	SD-29	SD-29
ISOPHORONE	940 U	460 U	1100 UJ	850 U	740 U	980 U	900 U
NAPHTHALENE	940 U	460 U	290 J	240 J	740 U	980 U	180 J
NITROBENZENE	940 U	460 U	1100 UJ	850 U	740 U	980 U	900 U
N-NITROSODIMETHYLAMINE	940 U	460 U	1100 UJ	850 U	740 U	980 U	900 U
N-NITROSO-DI-N-PROPYLAMINE	940 U	460 U	1100 UJ	850 U	740 U	980 U	900 U
N-NITROSODIPHENYLAMINE	940 U	460 U	1100 UJ	850 U	740 U	980 U	900 U
PENTACHLOROPHENOL	2300 U	1100 U	2800 UJ	2100 U	1800 U	2400 U	2200 U
PHENANTHRENE	580 J	460 U	6800 J	4900	740 U	360 J	550 J
PHENOL	940 U	460 U	1100 UJ	850 U	740 U	980 U	900 U
PYRENE	1600	460 U	13000 J	10000	740 U	1200 J	1400
PYRIDINE	940 U	460 U	1100 UJ	850 U	740 U	980 U	900 U
VOLATILE SOILS (ug/kg)							
1,1,1,2-TETRACHLOROETHANE	14 UL	7 U	17 UL	13 U	11 U	15 U	13 UJ
1,1,1-TRICHLOROETHANE	14 UL	7 U	17 UL	13 U	11 U	15 U	13 UJ
1,1,2,2-TETRACHLOROETHANE	14 UL	7 U	17 UL	13 U	11 U	15 UL	13 UJ
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	14 UL	7 U	17 UL	13 U	11 U	15 U	13 UJ
1,1-DICHLOROETHANE	14 UL	7 U	17 UL	13 U	11 U	15 U	13 UJ
1,1-DICHLOROETHENE	14 UL	7 U	17 UL	13 U	11 U	15 U	13 UJ
1,1-DICHLOROPROPENE	14 UL	7 U	17 UL	13 U	11 U	15 U	13 UJ
1,2,3-TRICHLOROBENZENE	14 UL	7 U	17 UL	13 U	11 U	15 UL	13 UJ
1,2,3-TRICHLOROPROPANE	14 UL	7 U	17 UL	13 U	11 U	15 UL	13 UJ
1,2,3-TRIMETHYLBENZENE	14 UL	7 U	17 UL	13 U	11 U	15 UL	13 UJ
1,2,4-TRICHLOROBENZENE	14 UL	7 U	17 UL	13 U	11 U	15 UL	13 UJ
1,2,4-TRIMETHYLBENZENE	14 UL	7 U	17 UL	13 U	11 U	15 UL	13 UJ
1,2-DIBROMO-3-CHLOROPROPANE	14 UL	7 U	17 UL	13 U	11 U	15 UL	13 UJ

NA - Not analyzed.

TABLE B-2
ANALYTICAL RESULTS FOR SEDIMENT
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	SD-27-01	SD-27-02	SD-28-SS	SD-28-01	SD-28-02	SD-29-SS	SD-29-01
LABORATORY ID:	WV5605-5	WV5605-6	648312	648313	648314	648318	WV5605-11
SAMPLE DATE:	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005
LOCATION:	SD-27	SD-27	SD-28	SD-28	SD-28	SD-29	SD-29
1,2-DIBROMOETHANE	14 UL	7 U	17 UL	13 U	11 U	15 U	13 UJ
1,2-DICHLOROBENZENE	14 UL	7 U	17 UL	0.9 B	11 U	15 UL	13 UJ
1,2-DICHLOROETHANE	14 UL	7 U	17 UL	13 U	11 U	15 U	13 UJ
1,2-DICHLOROPROPANE	14 UL	7 U	17 UL	13 U	11 U	15 U	13 UJ
1,3-DICHLOROBENZENE	14 UL	7 U	17 UL	13 U	11 U	15 UL	13 UJ
1,3-DICHLOROPROPANE	14 UL	7 U	17 UL	13 U	11 U	15 U	13 UJ
1,4-DICHLOROBENZENE	14 UL	7 U	17 UL	13 U	11 U	15 UL	13 UJ
2,2-DICHLOROPROPANE	14 UL	7 U	17 UL	13 U	11 U	15 U	13 UJ
2-BUTANONE	70 UR	34 UR	85 UR	27 J	13 J	17 J	64 UJ
2-CHLOROETHYL VINYL ETHER	14 UL	7 U	17 UL	13 U	11 U	15 U	13 UJ
2-CHLOROTOLUENE	14 UL	7 U	17 UL	13 U	11 U	15 UL	13 UJ
2-HEXANONE	70 UL	34 U	85 UL	65 U	56 U	74 U	64 UJ
4-CHLOROTOLUENE	14 UL	7 U	17 UL	13 U	11 U	15 UL	13 UJ
4-ISOPROPYLTOLUENE	14 UL	7 U	17 UL	13 U	11 U	15 UL	13 UJ
4-METHYL-2-PENTANONE	70 UL	34 U	85 UL	65 U	56 U	74 U	64 UJ
ACETONE	50 B	21 B	85 B	130 B	45 B	88 B	150 B
BENZENE	14 UL	7 U	17 UL	13 U	11 U	15 U	13 UJ
BROMOBENZENE	14 UL	7 U	17 UL	13 U	11 U	15 UL	13 UJ
BROMOCHLOROMETHANE	14 UL	7 U	17 UL	13 U	11 U	15 U	13 UJ
BROMODICHLOROMETHANE	14 UL	7 U	17 UL	13 U	11 U	15 U	13 UJ
BROMOFORM	14 UL	7 U	17 UL	13 U	11 U	15 U	13 UJ
BROMOMETHANE	28 UL	14 U	34 UL	26 U	22 U	30 U	25 UJ
CARBON DISULFIDE	14 UL	7 U	17 UL	6 J	11 U	12 J	13 UJ
CARBON TETRACHLORIDE	14 UL	7 U	17 UL	13 U	11 U	15 U	13 UJ
CHLOROBENZENE	14 UL	7 J	17 UL	13 U	11 U	15 U	13 UJ
CHLORODIBROMOMETHANE	14 UL	7 U	17 UL	13 U	11 U	15 U	13 UJ

NA - Not analyzed.

TABLE B-2
ANALYTICAL RESULTS FOR SEDIMENT
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	SD-27-01	SD-27-02	SD-28-SS	SD-28-01	SD-28-02	SD-29-SS	SD-29-01
LABORATORY ID:	WV5605-5	WV5605-6	648312	648313	648314	648318	WV5605-11
SAMPLE DATE:	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005
LOCATION:	SD-27	SD-27	SD-28	SD-28	SD-28	SD-29	SD-29
CHLOROETHANE	28 UL	14 U	34 UL	26 U	22 U	30 U	25 UJ
CHLOROFORM	14 UL	7 U	17 UL	13 U	11 U	15 U	13 UJ
CHLOROMETHANE	28 UL	14 U	34 UL	26 U	22 U	30 U	25 UJ
CIS-1,2-DICHLOROETHENE	14 UL	7 U	17 UL	13 U	11 U	15 U	13 UJ
CIS-1,3-DICHLOROPROPENE	14 UL	7 U	17 UL	13 U	11 U	15 U	13 UJ
CYCLOHEXANE	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	14 UL	7 U	17 UL	13 U	11 U	15 U	13 UJ
DICHLORODIFLUOROMETHANE	28 UL	14 U	34 UL	26 U	22 U	30 U	25 UJ
DIISOPROPYL ETHER	14 UL	7 U	17 UL	13 U	11 U	15 U	13 UJ
ETHYL TERT-BUTYL ETHER	14 UL	7 U	17 UL	13 U	11 U	15 U	13 UJ
ETHYLBENZENE	14 UL	7 U	17 UL	13 U	11 U	15 U	13 UJ
HEXACHLOROBUTADIENE	14 UL	7 U	17 UL	13 U	11 U	15 UL	13 UJ
ISOPROPYLBENZENE	14 UL	7 U	17 UL	13 U	11 U	15 UL	13 UJ
M+P-XYLENES	28 UL	14 U	34 UL	26 U	22 U	30 U	25 UJ
METHYL ACETATE	NA	NA	NA	NA	NA	NA	NA
METHYL CYCLOHEXANE	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	28 UL	14 U	3 J	26 U	22 U	5 J	25 UJ
METHYLENE CHLORIDE	14 UL	6 B	12 B	9 B	6 B	10 B	6 B
NAPHTHALENE	14 UL	7 U	17 UL	13 U	11 U	15 UL	13 UJ
N-BUTYLBENZENE	14 UL	7 U	17 UL	13 U	11 U	15 UL	13 UJ
N-PROPYLBENZENE	14 UL	7 U	17 UL	13 U	11 U	15 UL	13 UJ
O-XYLENE	14 UL	7 U	17 UL	13 U	11 U	15 U	13 UJ
SEC-BUTYLBENZENE	14 UL	7 U	17 UL	13 U	11 U	15 UL	13 UJ
STYRENE	14 UL	7 U	17 UL	13 U	11 U	15 U	13 UJ
TERT-AMYL METHYL ETHER	14 UL	7 U	17 UL	13 U	11 U	15 U	13 UJ
TERT-BUTYLBENZENE	14 UL	7 U	17 UL	13 U	11 U	15 U	13 UJ

NA - Not analyzed.

TABLE B-2
ANALYTICAL RESULTS FOR SEDIMENT
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	SD-27-01	SD-27-02	SD-28-SS	SD-28-01	SD-28-02	SD-29-SS	SD-29-01
LABORATORY ID:	WV5605-5	WV5605-6	648312	648313	648314	648318	WV5605-11
SAMPLE DATE:	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005
LOCATION:	SD-27	SD-27	SD-28	SD-28	SD-28	SD-29	SD-29
TERTIARY-BUTYL ALCOHOL	28 UR	14 UR	34 UR	26 UR	22 UR	30 UR	25 UR
TETRACHLOROETHENE	14 UL	7 U	17 UL	13 U	11 U	15 U	13 UJ
TOLUENE	14 UL	1 J	17 UL	13 U	3 J	15 U	13 UJ
TOTAL 1,2-DICHLOROETHENE	28 UL	14 U	34 UL	26 U	22 U	30 U	25 UJ
TOTAL XYLENES	42 UL	21 U	51 UL	39 U	34 U	45 U	38 UJ
TRANS-1,2-DICHLOROETHENE	14 UL	7 U	17 UL	13 U	11 U	15 U	13 UJ
TRANS-1,3-DICHLOROPROPENE	14 UL	7 U	17 UL	13 U	11 U	15 U	13 UJ
TRICHLOROETHENE	14 UL	7 U	17 UL	13 U	11 U	15 U	13 UJ
TRICHLOROFLUOROMETHANE	28 UL	14 U	34 UL	26 U	22 U	30 U	25 UJ
VINYL ACETATE	14 UL	7 U	17 UL	13 U	11 U	15 U	13 UJ
VINYL CHLORIDE	28 UL	14 U	34 UL	26 U	22 U	30 U	25 UJ

NA - Not analyzed.

TABLE B-2
ANALYTICAL RESULTS FOR SEDIMENT
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	SD-29-02	SD-30-SS	SD-31-SS	SD-31-01	SD-31-02	SD-32-SS	SD-33-SS
LABORATORY ID:	WV5605-12	WV5605-13	648315	648316	648317	WV5605-17	WV5605-18
SAMPLE DATE:	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005
LOCATION:	SD-29	SD-30	SD-31	SD-31	SD-31	SD-32	SD-33
BUTYLTINS (ug/kg)							
DIBUTYLTIN	NA	NA	3.3 U	3 U	5.5	NA	NA
MONOBUTYLTIN	NA	NA	4.4 U	3.9 U	5.5 U	NA	NA
TETRABUTYLTIN	NA	NA	4.4 U	3.9 U	5.5 U	NA	NA
TRIBUTYLTIN	NA	NA	3.8 U	3.4 U	4.8 U	NA	NA
INORGANICS (mg/kg)							
ANTIMONY	0.85 L	1.24 UJ	0.74 UL	1.64 UL	1 L	1.73 UJ	1.39 UJ
ARSENIC	5.9	10.1 J	6.2	12.6	8.1	12.1 J	10.3 J
BARIUM	26.8	55.8 J	37.3	76.6	45.7	72.1 J	57.7 J
BERYLLIUM	2	1.9 J	1.9	3.6	1.9	1.9 J	1.8 J
CADMIUM	0.57	3.9 J	0.37	0.28	2.9	3 J	3.9 J
CHROMIUM	47.9 K	140 J	46 K	75 K	102 K	152 J	154 J
COBALT	9.8	18.6 J	16.1	29	17.7	19.8 J	18.3 J
COPPER	21.5 J	136 J	24.3 J	38.7 J	46 J	152 J	141 J
LEAD	18.3	109 J	34.4	52.3	58.5	117 J	114 J
MERCURY	0.25 K	3.5 J	0.19 K	0.09 B	0.4 K	0.52 J	0.49 J
MOLYBDENUM	0.84	0.97 J	1.2	2.2	0.54	1.5 J	1.5 J
NICKEL	24.2	37.3 J	25	46.1	31	41.5 J	38 J
SELENIUM	0.83 U	1.9 B	0.65 U	1.44 U	0.76 U	1.51 UJ	1.21 UJ
SILVER	0.17 L	1.6 J	0.19 UL	0.42 UL	0.85 L	1.1 J	1.2 J
THALLIUM	0.71 U	1.85 UJ	1.1 U	2.45 U	1.31 U	4 B	2.07 UJ
VANADIUM	43.5	53.3 J	38.2	72.9	40.4	62.9 J	55.9 J
ZINC	62.1	338 J	105	179	186	350 J	339 J
MISCELLANEOUS (%)							
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	58	25	38	45	32	20	24

NA - Not analyzed.

TABLE B-2
ANALYTICAL RESULTS FOR SEDIMENT
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	SD-29-02	SD-30-SS	SD-31-SS	SD-31-01	SD-31-02	SD-32-SS	SD-33-SS
LABORATORY ID:	WV5605-12	WV5605-13	648315	648316	648317	WV5605-17	WV5605-18
SAMPLE DATE:	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005
LOCATION:	SD-29	SD-30	SD-31	SD-31	SD-31	SD-32	SD-33
MISCELLANEOUS (mg/kg)							
HEXAVALENT CHROMIUM	0.87 UL	2 UJ	1.3 UL	1.1 UL	1.5 UL	2.5 UJ	2 UJ
TOTAL ORGANIC CARBON	NA	NA	NA	NA	54000 K	NA	51000 J
MISCELLANEOUS (ug/kg)							
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA	NA
PESTICIDES/PCBs (ug/kg)							
AROCLOR-1016	29 U	68 UJ	44 U	38 U	52 U	85 UJ	69 UJ
AROCLOR-1221	29 U	68 UJ	44 U	38 U	52 U	85 UJ	69 UJ
AROCLOR-1232	29 U	68 UJ	44 U	38 U	52 U	85 UJ	69 UJ
AROCLOR-1242	29 U	68 UJ	44 U	38 U	52 U	85 UJ	69 UJ
AROCLOR-1248	29 U	68 UJ	44 U	38 U	52 U	85 UJ	69 UJ
AROCLOR-1254	29 U	68 UJ	44 U	38 U	52 U	85 UJ	69 UJ
AROCLOR-1260	29 U	1400 J	170	38 U	75	620 J	720 J
SEMIVOLATILE SOIL (ug/kg)							
1,2,4-TRICHLOROBENZENE	570 U	1300 UJ	860 U	740 U	1000 UJ	1600 UJ	1300 UJ
1,2-DICHLOROBENZENE	570 U	1300 UJ	860 U	740 U	1000 UJ	1600 UJ	1300 UJ
1,2-DIPHENYLHYDRAZINE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	570 U	1300 UJ	860 U	740 U	1000 UJ	1600 UJ	1300 UJ
1,4-DICHLOROBENZENE	570 U	120 B	860 U	740 U	1000 UJ	1600 UJ	1300 UJ
1,4-DIOXANE	570 U	1300 UJ	860 U	740 U	1000 UJ	1600 UJ	1300 UJ
1-METHYLNAPHTHALENE	570 U	1300 UJ	860 U	740 U	1000 UJ	1600 UJ	1300 UJ
2,2'-OXYBIS(1-CHLOROPROPANE)	570 U	1300 UJ	860 U	740 U	1000 UJ	1600 UJ	1300 UJ
2,4,5-TRICHLOROPHENOL	1400 U	3300 UJ	2200 U	1800 U	2500 UJ	4100 UJ	3300 UJ
2,4,6-TRICHLOROPHENOL	570 U	1300 UJ	860 U	740 U	1000 UJ	1600 UJ	1300 UJ
2,4-DICHLOROPHENOL	570 U	1300 UJ	860 U	740 U	1000 UJ	1600 UJ	1300 UJ
2,4-DIMETHYLPHENOL	570 U	1300 UJ	860 U	740 U	1000 UJ	1600 UJ	1300 UJ

NA - Not analyzed.

TABLE B-2
ANALYTICAL RESULTS FOR SEDIMENT
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	SD-29-02	SD-30-SS	SD-31-SS	SD-31-01	SD-31-02	SD-32-SS	SD-33-SS
LABORATORY ID:	WV5605-12	WV5605-13	648315	648316	648317	WV5605-17	WV5605-18
SAMPLE DATE:	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005
LOCATION:	SD-29	SD-30	SD-31	SD-31	SD-31	SD-32	SD-33
2,4-DINITROPHENOL	1400 U	3300 UJ	2200 U	1800 U	2500 UJ	4100 UJ	3300 UJ
2,4-DINITROTOLUENE	570 U	1300 UJ	860 U	740 U	1000 UJ	1600 UJ	1300 UJ
2,6-DINITROTOLUENE	570 U	1300 UJ	860 U	740 U	1000 UJ	1600 UJ	1300 UJ
2-CHLORONAPHTHALENE	570 U	1300 UJ	860 U	740 U	1000 UJ	1600 UJ	1300 UJ
2-CHLOROPHENOL	570 U	1300 UJ	860 U	740 U	1000 UJ	1600 UJ	1300 UJ
2-METHYLNAPHTHALENE	570 U	1300 UJ	860 U	740 U	1000 UJ	1600 UJ	1300 UJ
2-METHYLPHENOL	570 U	1300 UJ	860 U	740 U	1000 UJ	1600 UJ	1300 UJ
2-NITROANILINE	1400 U	3300 UJ	2200 U	1800 U	2500 UJ	4100 UJ	3300 UJ
2-NITROPHENOL	570 U	1300 UJ	860 U	740 U	1000 UJ	1600 UJ	1300 UJ
3&4-METHYLPHENOL	570 U	1300 UJ	860 U	740 U	1000 UJ	1600 UJ	1300 UJ
3,3'-DICHLOROBENZIDINE	570 U	1300 UJ	860 U	740 U	1000 UJ	1600 UJ	1300 UJ
3-NITROANILINE	1400 U	3300 UJ	2200 U	1800 U	2500 UJ	4100 UJ	3300 UJ
4,6-DINITRO-2-METHYLPHENOL	1400 U	3300 UJ	2200 U	1800 U	2500 UJ	4100 UJ	3300 UJ
4-BROMOPHENYL PHENYL ETHER	570 U	1300 UJ	860 U	740 U	1000 UJ	1600 UJ	1300 UJ
4-CHLORO-3-METHYLPHENOL	570 U	1300 UJ	860 U	740 U	1000 UJ	1600 UJ	1300 UJ
4-CHLOROANILINE	570 U	1300 UJ	860 U	740 U	1000 UJ	1600 UJ	1300 UJ
4-CHLOROPHENYL PHENYL ETHER	570 U	1300 UJ	860 U	740 U	1000 UJ	1600 UJ	1300 UJ
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	1400 U	3300 UJ	2200 U	1800 U	2500 UJ	4100 UJ	3300 UJ
4-NITROPHENOL	1400 U	3300 UJ	2200 U	1800 U	2500 UJ	4100 UJ	3300 UJ
ACENAPHTHENE	570 U	260 B	860 U	740 U	1000 UJ	1600 UJ	1300 UJ
ACENAPHTHYLENE	570 U	1300 UJ	860 U	740 U	1000 UJ	1600 UJ	1300 UJ
ANILINE	570 U	1300 UJ	860 U	740 U	1000 UJ	1600 UJ	1300 UJ
ANTHRACENE	570 U	1300 UJ	860 U	740 U	1000 UJ	1600 UJ	1300 UJ
AZOBENZENE	570 U	1300 UJ	860 U	740 U	1000 UJ	1600 UJ	1300 UJ
BENZIDINE	1400 U	3300 UJ	2200 U	1800 U	2500 UJ	4100 UJ	3300 UJ

NA - Not analyzed.

TABLE B-2
ANALYTICAL RESULTS FOR SEDIMENT
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	SD-29-02	SD-30-SS	SD-31-SS	SD-31-01	SD-31-02	SD-32-SS	SD-33-SS
LABORATORY ID:	WV5605-12	WV5605-13	648315	648316	648317	WV5605-17	WV5605-18
SAMPLE DATE:	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005
LOCATION:	SD-29	SD-30	SD-31	SD-31	SD-31	SD-32	SD-33
BENZO(A)ANTHRACENE	570 U	300 J	860 U	740 U	1000 UJ	1600 UJ	1300 UJ
BENZO(A)PYRENE	570 U	380 J	860 U	740 U	1000 UJ	240 J	1300 UJ
BENZO(B)FLUORANTHENE	570 U	700 J	860 U	740 U	1000 UJ	400 J	290 J
BENZO(G,H,I)PERYLENE	570 U	1300 UJ	860 U	740 U	1000 UJ	1600 UJ	1300 UJ
BENZO(K)FLUORANTHENE	570 U	1300 UJ	860 U	740 U	1000 UJ	1600 UJ	1300 UJ
BENZOIC ACID	1400 U	3300 UJ	2200 U	1800 U	2500 UJ	4100 UJ	3300 UJ
BENZYL ALCOHOL	570 U	1300 UJ	860 UJ	740 UJ	1000 UJ	1600 UJ	1300 UJ
BIS(2-CHLOROETHOXY)METHANE	570 U	1300 UJ	860 U	740 U	1000 UJ	1600 UJ	1300 UJ
BIS(2-CHLOROETHYL)ETHER	570 U	1300 UJ	860 U	740 U	1000 UJ	1600 UJ	1300 UJ
BIS(2-ETHYLHEXYL)PHTHALATE	570 U	340 J	860 U	740 U	980 J	2900 J	800 J
BUTYL BENZYL PHTHALATE	570 U	1300 UJ	860 U	740 U	1000 UJ	1600 UJ	1300 UJ
CARBAZOLE	570 U	1300 UJ	860 U	740 U	1000 UJ	1600 UJ	1300 UJ
CHRYSENE	570 U	540 J	860 U	740 U	1000 UJ	1600 UJ	1300 UJ
DIBENZO(A,H)ANTHRACENE	570 U	1300 UJ	860 U	740 U	1000 UJ	1600 UJ	1300 UJ
DIBENZOFURAN	570 U	1300 UJ	860 U	740 U	1000 UJ	1600 UJ	1300 UJ
DIETHYL PHTHALATE	570 U	1300 UJ	860 U	740 U	1000 UJ	1600 UJ	1300 UJ
DIMETHYL PHTHALATE	570 U	1300 UJ	860 U	740 U	1000 UJ	1600 UJ	1300 UJ
DI-N-BUTYL PHTHALATE	570 U	1300 UJ	860 U	740 U	1000 UJ	1600 UJ	1300 UJ
DI-N-OCTYL PHTHALATE	570 U	1300 UJ	860 U	740 U	1000 UJ	1600 UJ	1300 UJ
FLUORANTHENE	140 J	540 J	860 U	740 U	1000 UJ	470 J	340 J
FLUORENE	570 U	1300 UJ	860 U	740 U	1000 UJ	1600 UJ	1300 UJ
HEXACHLOROBENZENE	570 U	1300 UJ	860 U	740 U	1000 UJ	1600 UJ	1300 UJ
HEXACHLOROBUTADIENE	570 U	1300 UJ	860 U	740 U	1000 UJ	1600 UJ	1300 UJ
HEXACHLOROCYCLOPENTADIENE	570 U	1300 UJ	860 U	740 U	1000 UR	1600 UJ	1300 UJ
HEXACHLOROETHANE	570 U	1300 UJ	860 U	740 U	1000 UR	1600 UJ	1300 UJ
INDENO(1,2,3-CD)PYRENE	570 U	1300 UJ	860 U	740 U	1000 UJ	1600 UJ	1300 UJ

NA - Not analyzed.

TABLE B-2
ANALYTICAL RESULTS FOR SEDIMENT
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	SD-29-02	SD-30-SS	SD-31-SS	SD-31-01	SD-31-02	SD-32-SS	SD-33-SS
LABORATORY ID:	WV5605-12	WV5605-13	648315	648316	648317	WV5605-17	WV5605-18
SAMPLE DATE:	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005
LOCATION:	SD-29	SD-30	SD-31	SD-31	SD-31	SD-32	SD-33
ISOPHORONE	570 U	1300 UJ	860 U	740 U	1000 UJ	1600 UJ	1300 UJ
NAPHTHALENE	570 U	1300 UJ	860 U	740 U	1000 UJ	1600 UJ	1300 UJ
NITROBENZENE	570 U	1300 UJ	860 U	740 U	1000 UJ	1600 UJ	1300 UJ
N-NITROSODIMETHYLAMINE	570 U	1300 UJ	860 U	740 U	1000 UJ	1600 UJ	1300 UJ
N-NITROSO-DI-N-PROPYLAMINE	570 U	1300 UJ	860 U	740 U	1000 UJ	1600 UJ	1300 UJ
N-NITROSODIPHENYLAMINE	570 U	1300 UJ	860 U	740 U	1000 UJ	1600 UJ	1300 UJ
PENTACHLOROPHENOL	1400 U	3300 UJ	2200 U	1800 U	2500 UJ	4100 UJ	3300 UJ
PHENANTHRENE	570 U	1300 UJ	860 U	740 U	1000 UJ	1600 UJ	1300 UJ
PHENOL	570 U	1300 UJ	860 U	740 U	1000 UJ	1600 UJ	1300 UJ
PYRENE	570 U	1000 J	860 U	740 U	1000 UJ	610 J	400 J
PYRIDINE	570 U	1300 UJ	860 U	740 U	1000 UJ	1600 UJ	1300 UJ
VOLATILE SOILS (ug/kg)							
1,1,1,2-TETRACHLOROETHANE	9 U	19 UJ	13 U	10 UJ	15 U	24 UJ	20 UJ
1,1,1-TRICHLOROETHANE	9 U	19 UJ	13 U	10 UJ	15 U	24 UJ	20 UJ
1,1,2,2-TETRACHLOROETHANE	9 U	19 UJ	13 U	10 UJ	15 U	24 UJ	20 UJ
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	9 U	19 UJ	13 U	10 UJ	15 U	24 UJ	20 UJ
1,1-DICHLOROETHANE	9 U	19 UJ	13 U	10 UJ	15 U	24 UJ	20 UJ
1,1-DICHLOROETHENE	9 U	19 UJ	13 U	10 UJ	15 U	24 UJ	20 UJ
1,1-DICHLOROPROPENE	9 U	19 UJ	13 U	10 UJ	15 U	24 UJ	20 UJ
1,2,3-TRICHLOROBENZENE	9 U	19 UJ	13 U	10 UJ	15 U	24 UJ	20 UJ
1,2,3-TRICHLOROPROPANE	9 U	19 UJ	13 U	10 UJ	15 U	24 UJ	20 UJ
1,2,3-TRIMETHYLBENZENE	9 U	19 UJ	13 U	10 UJ	15 U	24 UJ	20 UJ
1,2,4-TRICHLOROBENZENE	9 U	19 UJ	8 B	10 UJ	15 U	24 UJ	20 UJ
1,2,4-TRIMETHYLBENZENE	9 U	19 UJ	13 U	10 UJ	15 U	24 UJ	20 UJ
1,2-DIBROMO-3-CHLOROPROPANE	9 U	19 UJ	13 U	10 UJ	15 U	24 UJ	20 UJ

NA - Not analyzed.

TABLE B-2
ANALYTICAL RESULTS FOR SEDIMENT
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	SD-29-02	SD-30-SS	SD-31-SS	SD-31-01	SD-31-02	SD-32-SS	SD-33-SS
LABORATORY ID:	WV5605-12	WV5605-13	648315	648316	648317	WV5605-17	WV5605-18
SAMPLE DATE:	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005
LOCATION:	SD-29	SD-30	SD-31	SD-31	SD-31	SD-32	SD-33
1,2-DIBROMOETHANE	9 U	19 UJ	13 U	10 UJ	15 U	24 UJ	20 UJ
1,2-DICHLOROBENZENE	9 U	19 UJ	13 U	10 UJ	15 U	24 UJ	20 UJ
1,2-DICHLOROETHANE	9 U	19 UJ	13 U	10 UJ	15 U	24 UJ	20 UJ
1,2-DICHLOROPROPANE	9 U	19 UJ	13 U	10 UJ	15 U	24 UJ	20 UJ
1,3-DICHLOROBENZENE	9 U	19 UJ	13 U	10 UJ	1 B	24 UJ	20 UJ
1,3-DICHLOROPROPANE	9 U	19 UJ	13 U	10 UJ	15 U	24 UJ	20 UJ
1,4-DICHLOROBENZENE	9 U	19 UJ	13 U	10 UJ	15 U	24 UJ	20 UJ
2,2-DICHLOROPROPANE	9 U	19 UJ	13 U	10 UJ	15 U	24 UJ	20 UJ
2-BUTANONE	43 U	93 UJ	66 U	52 UJ	74 U	120 UJ	100 UR
2-CHLOROETHYL VINYL ETHER	9 U	19 UJ	13 U	10 UJ	15 U	24 UJ	20 UJ
2-CHLOROTOLUENE	9 U	19 UJ	13 U	10 UJ	15 U	24 UJ	20 UJ
2-HEXANONE	43 U	93 UJ	66 U	52 UJ	74 U	120 UJ	100 UJ
4-CHLOROTOLUENE	9 U	19 UJ	13 U	10 UJ	15 U	24 UJ	20 UJ
4-ISOPROPYLTOLUENE	9 U	19 UJ	13 U	10 UJ	15 U	24 UJ	20 UJ
4-METHYL-2-PENTANONE	43 U	93 UJ	66 U	52 UJ	74 U	120 UJ	100 UJ
ACETONE	54 B	140 B	61 B	65 B	140 B	110 B	36 B
BENZENE	9 U	19 UJ	13 U	10 UJ	15 U	24 UJ	20 UJ
BROMOBENZENE	9 U	19 UJ	13 U	10 UJ	15 U	24 UJ	20 UJ
BROMOCHLOROMETHANE	9 U	19 UJ	13 U	10 UJ	15 U	24 UJ	20 UJ
BROMODICHLOROMETHANE	9 U	19 UJ	13 U	10 UJ	15 U	24 UJ	20 UJ
BROMOFORM	9 U	19 UJ	13 U	10 UJ	15 U	24 UJ	20 UJ
BROMOMETHANE	17 U	37 UJ	26 U	21 UJ	30 U	49 UJ	41 UJ
CARBON DISULFIDE	9 U	19 UJ	13 U	5 J	7 J	24 UJ	20 UJ
CARBON TETRACHLORIDE	9 U	19 UJ	13 U	10 UJ	15 U	24 UJ	20 UJ
CHLOROBENZENE	9 U	19 UJ	13 U	10 UJ	15 U	24 UJ	20 UJ
CHLORODIBROMOMETHANE	9 U	19 UJ	13 U	10 UJ	15 U	24 UJ	20 UJ

NA - Not analyzed.

TABLE B-2
ANALYTICAL RESULTS FOR SEDIMENT
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	SD-29-02	SD-30-SS	SD-31-SS	SD-31-01	SD-31-02	SD-32-SS	SD-33-SS
LABORATORY ID:	WV5605-12	WV5605-13	648315	648316	648317	WV5605-17	WV5605-18
SAMPLE DATE:	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005
LOCATION:	SD-29	SD-30	SD-31	SD-31	SD-31	SD-32	SD-33
CHLOROETHANE	17 U	37 UJ	26 U	21 UJ	30 U	49 UJ	41 UJ
CHLOROFORM	9 U	19 UJ	13 U	10 UJ	15 U	24 UJ	20 UJ
CHLOROMETHANE	17 U	37 UJ	26 U	21 UJ	30 U	49 UJ	41 UJ
CIS-1,2-DICHLOROETHENE	9 U	19 UJ	13 U	10 UJ	15 U	24 UJ	20 UJ
CIS-1,3-DICHLOROPROPENE	9 U	19 UJ	13 U	10 UJ	15 U	24 UJ	20 UJ
CYCLOHEXANE	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	9 U	19 UJ	13 U	10 UJ	15 U	24 UJ	20 UJ
DICHLORODIFLUOROMETHANE	17 U	37 UJ	26 U	21 UJ	30 U	49 UJ	41 UJ
DIISOPROPYL ETHER	9 U	19 UJ	13 U	10 UJ	15 U	24 UJ	20 UJ
ETHYL TERT-BUTYL ETHER	9 U	19 UJ	13 U	10 UJ	15 U	24 UJ	20 UJ
ETHYLBENZENE	9 U	19 UJ	13 U	10 UJ	15 U	24 UJ	20 UJ
HEXACHLOROBUTADIENE	9 U	19 UJ	13 U	10 UJ	15 U	24 UJ	20 UJ
ISOPROPYLBENZENE	9 U	19 UJ	13 U	10 UJ	15 U	24 UJ	20 UJ
M+P-XYLENES	17 U	37 UJ	26 U	21 UJ	30 U	49 UJ	41 UJ
METHYL ACETATE	NA	NA	NA	NA	NA	NA	NA
METHYL CYCLOHEXANE	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	17 U	3 J	3 J	21 UJ	3 J	9 J	6 J
METHYLENE CHLORIDE	5 B	19 UJ	13 U	10 UJ	15 U	24 UJ	14 B
NAPHTHALENE	9 U	19 UJ	13 U	10 UJ	15 U	24 UJ	20 UJ
N-BUTYLBENZENE	9 U	19 UJ	13 U	10 UJ	15 U	24 UJ	20 UJ
N-PROPYLBENZENE	9 U	19 UJ	13 U	10 UJ	15 U	24 UJ	20 UJ
O-XYLENE	9 U	19 UJ	13 U	10 UJ	15 U	24 UJ	20 UJ
SEC-BUTYLBENZENE	9 U	19 UJ	13 U	10 UJ	15 U	24 UJ	20 UJ
STYRENE	9 U	19 UJ	13 U	10 UL	15 U	24 UJ	20 UJ
TERT-AMYL METHYL ETHER	9 U	19 UJ	13 U	10 UJ	15 U	24 UJ	20 UJ
TERT-BUTYLBENZENE	9 U	19 UJ	13 U	10 UJ	15 U	24 UJ	20 UJ

NA - Not analyzed.

TABLE B-2
ANALYTICAL RESULTS FOR SEDIMENT
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	SD-29-02	SD-30-SS	SD-31-SS	SD-31-01	SD-31-02	SD-32-SS	SD-33-SS
LABORATORY ID:	WV5605-12	WV5605-13	648315	648316	648317	WV5605-17	WV5605-18
SAMPLE DATE:	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005
LOCATION:	SD-29	SD-30	SD-31	SD-31	SD-31	SD-32	SD-33
TERTIARY-BUTYL ALCOHOL	17 UR	37 UR	26 UR	21 UR	30 UR	49 UR	41 UR
TETRACHLOROETHENE	9 U	19 UJ	13 U	10 UJ	15 U	24 UJ	20 UJ
TOLUENE	9	19 UJ	13 U	2 J	15 U	24 UJ	20 UJ
TOTAL 1,2-DICHLOROETHENE	17 U	37 UJ	26 U	21 UJ	30 U	49 UJ	41 UJ
TOTAL XYLENES	26 U	56 UJ	39 U	31 UJ	44 U	74 UJ	61 UJ
TRANS-1,2-DICHLOROETHENE	9 U	19 UJ	13 U	10 UJ	15 U	24 UJ	20 UJ
TRANS-1,3-DICHLOROPROPENE	9 U	19 UJ	13 U	10 UJ	15 U	24 UJ	20 UJ
TRICHLOROETHENE	9 U	19 UJ	13 U	10 UJ	15 U	24 UJ	20 UJ
TRICHLOROFLUOROMETHANE	17 U	37 UJ	26 U	21 UJ	30 U	49 UJ	41 UJ
VINYL ACETATE	9 U	19 UJ	13 U	10 UJ	15 U	24 UJ	20 UJ
VINYL CHLORIDE	17 U	37 UJ	26 U	21 UJ	30 U	49 UJ	41 UJ

NA - Not analyzed.

TABLE B-2
ANALYTICAL RESULTS FOR SEDIMENT
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	SD-34-SS	SD-35-SS	SD-36-SS	SD-37-SS	SD-38-SS	SD-39-SS	SD-40-SS
LABORATORY ID:	WV5605-19	WV5605-20	WV5606-1RA	648319	WV5606-3	WV5606-4	648320
SAMPLE DATE:	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005
LOCATION:	SD-34	SD-35	SD-36	SD-37	SD-38	SD-39	SD-40
BUTYLTINS (ug/kg)							
DIBUTYLTIN	NA	NA	NA	5.6 UJ	NA	NA	11 J
MONOBUTYLTIN	NA	NA	NA	7.4 UJ	NA	NA	5.7 UJ
TETRABUTYLTIN	NA	NA	NA	7.4 UJ	NA	NA	5.7 UJ
TRIBUTYLTIN	NA	NA	NA	6.5 UJ	NA	NA	5 UJ
INORGANICS (mg/kg)							
ANTIMONY	0.72 UL	1.17 UJ	1.25 UJ	1.41 UJ	1.26 UJ	0.86 UJ	1.21 UJ
ARSENIC	6.7	12 J	9.6 J	8.5 J	9.7 J	7.4 J	8.6 J
BARIUM	36.2	64.1 J	56.3 J	42.8 J	55.4 J	32.6 J	71.6 J
BERYLLIUM	1.2	1.9 J	1.8 J	1.5 J	1.9 J	1.2 J	2.6 J
CADMIUM	3.7	4.2 J	4.7 J	4.3 J	5.5 J	5.3 J	24 J
CHROMIUM	105 K	172 J	152 J	113 J	158 J	127 J	361 J
COBALT	13.5	20.7 J	18.9 J	15 J	18 J	13.1 J	26.6 J
COPPER	94.5 J	154 J	138 J	114 J	146 J	118 J	111 J
LEAD	78.4	127 J	115 J	86.8 J	118 J	105 J	216 J
MERCURY	0.34 K	0.51 J	0.34 J	0.26 J	0.36 J	0.38 J	0.52 J
MOLYBDENUM	0.89	1.2 J	1 J	1.2 J	1.9 J	1.2 J	2.3 J
NICKEL	23.9	41.6 J	39.7 J	31.7 J	37.9 J	26.6 J	53.8 J
SELENIUM	0.63 UL	1.02 UJ	1.6 J	1.23 UJ	1.1 UJ	0.75 UJ	1.05 UJ
SILVER	0.94 L	1.6 J	2.1 B	1.7 B	1.9 B	1.8 B	3.4 B
THALLIUM	1.08 UL	1.75 UJ	1.87 UJ	2.11 UJ	1.9 B	1.28 UJ	1.8 UJ
VANADIUM	35	62.1 J	48.2 J	38.1 J	48.1 J	30.2 J	61.7 J
ZINC	225	360 J	327 J	270 J	333 J	260 J	548 J
MISCELLANEOUS (%)							
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	39	27	27	24	21	30	28

NA - Not analyzed.

TABLE B-2
ANALYTICAL RESULTS FOR SEDIMENT
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND
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SAMPLE ID:	SD-34-SS	SD-35-SS	SD-36-SS	SD-37-SS	SD-38-SS	SD-39-SS	SD-40-SS
LABORATORY ID:	WV5605-19	WV5605-20	WV5606-1RA	648319	WV5606-3	WV5606-4	648320
SAMPLE DATE:	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005
LOCATION:	SD-34	SD-35	SD-36	SD-37	SD-38	SD-39	SD-40
MISCELLANEOUS (mg/kg)							
HEXAVALENT CHROMIUM	1.3 UL	1.9 UJ	1.8 UJ	13 J	2.4 UJ	1.7 UJ	1.8 UJ
TOTAL ORGANIC CARBON	NA	47000 J	NA	NA	NA	NA	NA
MISCELLANEOUS (ug/kg)							
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	47000 J	46000 J
PESTICIDES/PCBs (ug/kg)							
AROCLOR-1016	43 U	64 UJ	64 UJ	72 UJ	82 UJ	57 UJ	61 UJ
AROCLOR-1221	43 U	64 UJ	64 UJ	72 UJ	82 UJ	57 UJ	61 UJ
AROCLOR-1232	43 U	64 UJ	64 UJ	72 UJ	82 UJ	57 UJ	61 UJ
AROCLOR-1242	43 U	64 UJ	64 UJ	72 UJ	82 UJ	57 UJ	61 UJ
AROCLOR-1248	43 U	64 UJ	64 UJ	72 UJ	82 UJ	57 UJ	61 UJ
AROCLOR-1254	43 U	64 UJ	64 UJ	72 UJ	82 UJ	57 UJ	61 UJ
AROCLOR-1260	290	370 J	430 J	240 J	210 J	190 J	360 J
SEMIVOLATILE SOIL (ug/kg)							
1,2,4-TRICHLOROBENZENE	840 U	1200 UJ	1200 UJ	1400 UJ	1600 UJ	1100 UJ	1200 UJ
1,2-DICHLOROBENZENE	840 U	1200 UJ	1200 UJ	1400 UJ	1600 UJ	1100 UJ	1200 UJ
1,2-DIPHENYLHYDRAZINE	NA	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	840 U	1200 UJ	1200 UJ	1400 UJ	1600 UJ	1100 UJ	1200 UJ
1,4-DICHLOROBENZENE	74 B	110 B	100 B	130 B	1600 UJ	1100 UJ	120 B
1,4-DIOXANE	840 U	1200 UJ	1200 UJ	1400 UJ	1600 UJ	1100 UJ	1200 UJ
1-METHYLNAPHTHALENE	840 U	1200 UJ	1200 UJ	1400 UJ	1600 UJ	1100 UJ	1200 UJ
2,2'-OXYBIS(1-CHLOROPROPANE)	840 U	1200 UJ	1200 UJ	1400 UJ	1600 UJ	1100 UJ	1200 UJ
2,4,5-TRICHLOROPHENOL	2100 U	3100 UJ	3100 UJ	3500 UJ	4000 UJ	2700 UJ	3000 UJ
2,4,6-TRICHLOROPHENOL	840 U	1200 UJ	1200 UJ	1400 UJ	1600 UJ	1100 UJ	1200 UJ
2,4-DICHLOROPHENOL	840 U	1200 UJ	1200 UJ	1400 UJ	1600 UJ	1100 UJ	1200 UJ
2,4-DIMETHYLPHENOL	840 U	1200 UJ	1200 UJ	1400 UJ	1600 UJ	1100 UJ	1200 UJ

NA - Not analyzed.

TABLE B-2
ANALYTICAL RESULTS FOR SEDIMENT
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	SD-34-SS	SD-35-SS	SD-36-SS	SD-37-SS	SD-38-SS	SD-39-SS	SD-40-SS
LABORATORY ID:	WV5605-19	WV5605-20	WV5606-1RA	648319	WV5606-3	WV5606-4	648320
SAMPLE DATE:	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005
LOCATION:	SD-34	SD-35	SD-36	SD-37	SD-38	SD-39	SD-40
2,4-DINITROPHENOL	2100 U	3100 UJ	3100 UJ	3500 UJ	4000 UJ	2700 UJ	3000 UJ
2,4-DINITROTOLUENE	840 U	1200 UJ	1200 UJ	1400 UJ	1600 UJ	1100 UJ	1200 UJ
2,6-DINITROTOLUENE	840 U	1200 UJ	1200 UJ	1400 UJ	1600 UJ	1100 UJ	1200 UJ
2-CHLORONAPHTHALENE	840 U	1200 UJ	1200 UJ	1400 UJ	1600 UJ	1100 UJ	1200 UJ
2-CHLOROPHENOL	840 U	1200 UJ	1200 UJ	1400 UJ	1600 UJ	1100 UJ	1200 UJ
2-METHYLNAPHTHALENE	840 U	1200 UJ	1200 UJ	1400 UJ	1600 UJ	1100 UJ	1200 UJ
2-METHYLPHENOL	840 U	1200 UJ	1200 UJ	1400 UJ	1600 UJ	1100 UJ	1200 UJ
2-NITROANILINE	2100 U	3100 UJ	3100 UJ	3500 UJ	4000 UJ	2700 UJ	3000 UJ
2-NITROPHENOL	840 U	1200 UJ	1200 UJ	1400 UJ	1600 UJ	1100 UJ	1200 UJ
3&4-METHYLPHENOL	840 U	1200 UJ	1200 UJ	1400 UJ	1600 UJ	1100 UJ	1200 UJ
3,3'-DICHLOROBENZIDINE	840 U	1200 UJ	1200 UJ	1400 UJ	1600 UJ	1100 UJ	1200 UJ
3-NITROANILINE	2100 U	3100 UJ	3100 UJ	3500 UJ	4000 UJ	2700 UJ	3000 UJ
4,6-DINITRO-2-METHYLPHENOL	2100 U	3100 UJ	3100 UJ	3500 UJ	4000 UJ	2700 UJ	3000 UJ
4-BROMOPHENYL PHENYL ETHER	840 U	1200 UJ	1200 UJ	1400 UJ	1600 UJ	1100 UJ	1200 UJ
4-CHLORO-3-METHYLPHENOL	840 U	1200 UJ	1200 UJ	1400 UJ	1600 UJ	1100 UJ	1200 UJ
4-CHLOROANILINE	840 U	1200 UJ	1200 UJ	1400 UJ	1600 UJ	1100 UJ	1200 UJ
4-CHLOROPHENYL PHENYL ETHER	840 U	1200 UJ	1200 UJ	1400 UJ	1600 UJ	1100 UJ	1200 UJ
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA	NA
4-NITROANILINE	2100 U	3100 UJ	3100 UJ	3500 UJ	4000 UJ	2700 UJ	3000 UJ
4-NITROPHENOL	2100 U	3100 UJ	3100 UJ	3500 UJ	4000 UJ	2700 UJ	3000 UJ
ACENAPHTHENE	170 B	1200 UJ	240 B	280 B	310 B	1100 UJ	240 B
ACENAPHTHYLENE	840 U	1200 UJ	1200 UJ	1400 UJ	1600 UJ	1100 UJ	1200 UJ
ANILINE	840 U	1200 UJ	1200 UJ	1400 UJ	1600 UJ	1100 UJ	1200 UJ
ANTHRACENE	170 J	1200 UJ	1200 UJ	1400 UJ	1600 UJ	1100 UJ	1200 UJ
AZOBENZENE	840 U	1200 UJ	1200 UJ	1400 UJ	1600 UJ	1100 UJ	1200 UJ
BENZIDINE	2100 U	3100 UJ	3100 UJ	3500 UJ	4000 UJ	2700 UJ	3000 UJ

NA - Not analyzed.

TABLE B-2
ANALYTICAL RESULTS FOR SEDIMENT
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	SD-34-SS	SD-35-SS	SD-36-SS	SD-37-SS	SD-38-SS	SD-39-SS	SD-40-SS
LABORATORY ID:	WV5605-19	WV5605-20	WV5606-1RA	648319	WV5606-3	WV5606-4	648320
SAMPLE DATE:	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005
LOCATION:	SD-34	SD-35	SD-36	SD-37	SD-38	SD-39	SD-40
BENZO(A)ANTHRACENE	260 J	1200 UJ	1200 UJ	310 J	1600 UJ	1100 UJ	350 J
BENZO(A)PYRENE	350 J	170 J	200 J	410 J	250 J	200 J	380 J
BENZO(B)FLUORANTHENE	520 J	300 J	360 J	590 J	440 J	340 J	560 J
BENZO(G,H,I)PERYLENE	840 UJ	1200 UJ	1200 UJ	1400 UJ	1600 UJ	1100 UJ	1200 UJ
BENZO(K)FLUORANTHENE	840 UJ	1200 UJ	1200 UJ	1400 UJ	1600 UJ	1100 UJ	1200 UJ
BENZOIC ACID	2100 U	3100 UJ	3100 UJ	3500 UJ	4000 UJ	2700 UJ	3000 UJ
BENZYL ALCOHOL	840 UJ	1200 UJ	1200 UJ	1400 UJ	1600 UJ	1100 UJ	1200 UJ
BIS(2-CHLOROETHOXY)METHANE	840 U	1200 UJ	1200 UJ	1400 UJ	1600 UJ	1100 UJ	1200 UJ
BIS(2-CHLOROETHYL)ETHER	840 U	1200 UJ	1200 UJ	1400 UJ	1600 UJ	1100 UJ	1200 UJ
BIS(2-ETHYLHEXYL)PHTHALATE	1900	1600 J	1200 J	1500 J	1400 J	870 J	1200 J
BUTYL BENZYL PHTHALATE	190 J	1200 UJ	1200 UJ	1400 UJ	1600 UJ	1100 UJ	1200 UJ
CARBAZOLE	840 U	1200 UJ	1200 UJ	1400 UJ	1600 UJ	1100 UJ	1200 UJ
CHRYSENE	410 J	1200 UJ	280 J	490 J	340 J	260 J	530 J
DIBENZO(A,H)ANTHRACENE	840 UJ	1200 UJ	1200 UJ	1400 UJ	1600 UJ	1100 UJ	1200 UJ
DIBENZOFURAN	840 U	1200 UJ	1200 UJ	1400 UJ	1600 UJ	1100 UJ	1200 UJ
DIETHYL PHTHALATE	840 U	1200 UJ	1200 UJ	1400 UJ	1600 UJ	1100 UJ	1200 UJ
DIMETHYL PHTHALATE	840 U	1200 UJ	1200 UJ	1400 UJ	1600 UJ	1100 UJ	1200 UJ
DI-N-BUTYL PHTHALATE	840 U	1200 UJ	1200 UJ	1400 UJ	1600 UJ	1100 UJ	1200 UJ
DI-N-OCTYL PHTHALATE	840 UJ	1200 UJ	1200 UJ	1400 UJ	1600 UJ	1100 UJ	1200 UJ
FLUORANTHENE	430 J	310 J	360 J	530 J	430 J	330 J	540 J
FLUORENE	840 U	1200 UJ	1200 UJ	1400 UJ	1600 UJ	1100 UJ	1200 UJ
HEXACHLOROBENZENE	840 U	1200 UJ	1200 UJ	1400 UJ	1600 UJ	1100 UJ	1200 UJ
HEXACHLOROBUTADIENE	840 U	1200 UJ	1200 UJ	1400 UJ	1600 UJ	1100 UJ	1200 UJ
HEXACHLOROCYCLOPENTADIENE	840 U	1200 UJ	1200 UJ	1400 UJ	1600 UJ	1100 UJ	1200 UJ
HEXACHLOROETHANE	840 U	1200 UJ	1200 UJ	1400 UJ	1600 UJ	1100 UJ	1200 UJ
INDENO(1,2,3-CD)PYRENE	840 UJ	1200 UJ	1200 UJ	1400 UJ	1600 UJ	1100 UJ	1200 UJ

NA - Not analyzed.

TABLE B-2
ANALYTICAL RESULTS FOR SEDIMENT
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND
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SAMPLE ID:	SD-34-SS	SD-35-SS	SD-36-SS	SD-37-SS	SD-38-SS	SD-39-SS	SD-40-SS
LABORATORY ID:	WV5605-19	WV5605-20	WV5606-1RA	648319	WV5606-3	WV5606-4	648320
SAMPLE DATE:	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005
LOCATION:	SD-34	SD-35	SD-36	SD-37	SD-38	SD-39	SD-40
ISOPHORONE	840 U	1200 UJ	1200 UJ	1400 UJ	1600 UJ	1100 UJ	1200 UJ
NAPHTHALENE	840 U	1200 UJ	1200 UJ	1400 UJ	1600 UJ	1100 UJ	1200 UJ
NITROBENZENE	840 U	1200 UJ	1200 UJ	1400 UJ	1600 UJ	1100 UJ	1200 UJ
N-NITROSODIMETHYLAMINE	840 U	1200 UJ	1200 UJ	1400 UJ	1600 UJ	1100 UJ	1200 UJ
N-NITROSO-DI-N-PROPYLAMINE	840 U	1200 UJ	1200 UJ	1400 UJ	1600 UJ	1100 UJ	1200 UJ
N-NITROSODIPHENYLAMINE	840 U	1200 UJ	1200 UJ	1400 UJ	1600 UJ	1100 UJ	1200 UJ
PENTACHLOROPHENOL	2100 U	3100 UJ	3100 UJ	3500 UJ	4000 UJ	2700 UJ	3000 UJ
PHENANTHRENE	220 J	1200 UJ	1200 UJ	1400 UJ	1600 UJ	1100 UJ	1200 UJ
PHENOL	840 U	1200 UJ	1200 UJ	1400 UJ	1600 UJ	1100 UJ	1200 UJ
PYRENE	830 J	440 J	550 J	980 J	640 J	430 J	950 J
PYRIDINE	840 U	1200 UJ	1200 UJ	1400 UJ	1600 UJ	1100 UJ	1200 UJ
VOLATILE SOILS (ug/kg)							
1,1,1,2-TETRACHLOROETHANE	13 UJ	19 UJ	17 UJ	21 UJ	24 UJ	17 UJ	18 UJ
1,1,1-TRICHLOROETHANE	13 UJ	19 UJ	17 UJ	21 UJ	24 UJ	17 UJ	18 UJ
1,1,2,2-TETRACHLOROETHANE	13 UJ	19 UJ	17 UJ	21 UJ	24 UJ	17 UJ	18 UJ
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	13 UJ	19 UJ	17 UJ	21 UJ	24 UJ	17 UJ	18 UJ
1,1-DICHLOROETHANE	13 UJ	19 UJ	17 UJ	21 UJ	24 UJ	17 UJ	18 UJ
1,1-DICHLOROETHENE	13 UJ	19 UJ	17 UJ	21 UJ	24 UJ	17 UJ	18 UJ
1,1-DICHLOROPROPENE	13 UJ	19 UJ	17 UJ	21 UJ	24 UJ	17 UJ	18 UJ
1,2,3-TRICHLOROBENZENE	13 UJ	19 UJ	17 UJ	21 UJ	24 UJ	17 UJ	18 UJ
1,2,3-TRICHLOROPROPANE	13 UJ	19 UJ	17 UJ	21 UJ	24 UJ	17 UJ	18 UJ
1,2,3-TRIMETHYLBENZENE	13 UJ	19 UJ	17 UJ	21 UJ	24 UJ	17 UJ	18 UJ
1,2,4-TRICHLOROBENZENE	13 UJ	19 UJ	17 UJ	21 UJ	24 UJ	17 UJ	18 UJ
1,2,4-TRIMETHYLBENZENE	13 UJ	19 UJ	17 UJ	21 UJ	24 UJ	17 UJ	18 UJ
1,2-DIBROMO-3-CHLOROPROPANE	13 UJ	19 UJ	17 UJ	21 UJ	24 UJ	17 UJ	18 UJ

NA - Not analyzed.

TABLE B-2
ANALYTICAL RESULTS FOR SEDIMENT
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	SD-34-SS	SD-35-SS	SD-36-SS	SD-37-SS	SD-38-SS	SD-39-SS	SD-40-SS
LABORATORY ID:	WV5605-19	WV5605-20	WV5606-1RA	648319	WV5606-3	WV5606-4	648320
SAMPLE DATE:	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005
LOCATION:	SD-34	SD-35	SD-36	SD-37	SD-38	SD-39	SD-40
1,2-DIBROMOETHANE	13 UJ	19 UJ	17 UJ	21 UJ	24 UJ	17 UJ	18 UJ
1,2-DICHLOROBENZENE	13 UJ	19 UJ	17 UJ	21 UJ	24 UJ	17 UJ	18 UJ
1,2-DICHLOROETHANE	13 UJ	19 UJ	17 UJ	21 UJ	24 UJ	17 UJ	18 UJ
1,2-DICHLOROPROPANE	13 UJ	19 UJ	17 UJ	21 UJ	24 UJ	17 UJ	18 UJ
1,3-DICHLOROBENZENE	13 UJ	19 UJ	17 UJ	21 UJ	24 UJ	17 UJ	18 UJ
1,3-DICHLOROPROPANE	13 UJ	19 UJ	17 UJ	21 UJ	24 UJ	17 UJ	18 UJ
1,4-DICHLOROBENZENE	13 UJ	19 UJ	17 UJ	21 UJ	24 UJ	17 UJ	18 UJ
2,2-DICHLOROPROPANE	13 UJ	19 UJ	17 UJ	21 UJ	24 UJ	17 UJ	18 UJ
2-BUTANONE	64 UJ	96 UR	87 UR	100 UR	120 UR	84 UR	90 UR
2-CHLOROETHYL VINYL ETHER	13 UJ	19 UJ	17 UJ	21 UJ	24 UJ	17 UJ	18 UJ
2-CHLOROTOLUENE	13 UJ	19 UJ	17 UJ	21 UJ	24 UJ	17 UJ	18 UJ
2-HEXANONE	64 UJ	96 UJ	87 UJ	100 UJ	120 UJ	84 UJ	90 UJ
4-CHLOROTOLUENE	13 UJ	19 UJ	17 UJ	21 UJ	24 UJ	17 UJ	18 UJ
4-ISOPROPYLTOLUENE	13 UJ	19 UJ	17 UJ	21 UJ	24 UJ	17 UJ	18 UJ
4-METHYL-2-PENTANONE	64 UJ	96 UJ	87 UJ	100 UJ	120 UJ	84 UJ	90 UJ
ACETONE	77 B	40 B	79 J	130 J	120 UR	84 UR	150 J
BENZENE	13 UJ	19 UJ	17 UJ	21 UJ	24 UJ	17 UJ	18 UJ
BROMOBENZENE	13 UJ	19 UJ	17 UJ	21 UJ	24 UJ	17 UJ	18 UJ
BROMOCHLOROMETHANE	13 UJ	19 UJ	17 UJ	21 UJ	24 UJ	17 UJ	18 UJ
BROMODICHLOROMETHANE	13 UJ	19 UJ	17 UJ	21 UJ	24 UJ	17 UJ	18 UJ
BROMOFORM	13 UJ	19 UJ	17 UJ	21 UJ	24 UJ	17 UJ	18 UJ
BROMOMETHANE	25 UJ	38 UJ	35 UJ	42 UJ	48 UJ	34 UJ	36 UJ
CARBON DISULFIDE	13 UJ	19 UJ	17 UJ	21 UJ	24 UJ	17 UJ	18 UJ
CARBON TETRACHLORIDE	13 UJ	19 UJ	17 UJ	21 UJ	24 UJ	17 UJ	18 UJ
CHLOROBENZENE	13 UJ	19 UJ	17 UJ	21 UJ	24 UJ	17 UJ	18 UJ
CHLORODIBROMOMETHANE	13 UJ	19 UJ	17 UJ	21 UJ	24 UJ	17 UJ	18 UJ

NA - Not analyzed.

TABLE B-2
ANALYTICAL RESULTS FOR SEDIMENT
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	SD-34-SS	SD-35-SS	SD-36-SS	SD-37-SS	SD-38-SS	SD-39-SS	SD-40-SS
LABORATORY ID:	WV5605-19	WV5605-20	WV5606-1RA	648319	WV5606-3	WV5606-4	648320
SAMPLE DATE:	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005
LOCATION:	SD-34	SD-35	SD-36	SD-37	SD-38	SD-39	SD-40
CHLOROETHANE	25 UJ	38 UJ	35 UJ	42 UJ	48 UJ	34 UJ	36 UJ
CHLOROFORM	13 UJ	19 UJ	17 UJ	21 UJ	24 UJ	17 UJ	18 UJ
CHLOROMETHANE	25 UJ	13 J	35 UJ	42 UJ	48 UJ	34 UJ	36 UJ
CIS-1,2-DICHLOROETHENE	13 UJ	19 UJ	17 UJ	21 UJ	24 UJ	17 UJ	18 UJ
CIS-1,3-DICHLOROPROPENE	13 UJ	19 UJ	17 UJ	21 UJ	24 UJ	17 UJ	18 UJ
CYCLOHEXANE	NA	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	13 UJ	19 UJ	17 UJ	21 UJ	24 UJ	17 UJ	18 UJ
DICHLORODIFLUOROMETHANE	25 UJ	38 UJ	35 UJ	42 UJ	48 UJ	34 UJ	36 UJ
DIISOPROPYL ETHER	13 UJ	19 UJ	17 UJ	21 UJ	24 UJ	17 UJ	18 UJ
ETHYL TERT-BUTYL ETHER	13 UJ	19 UJ	17 UJ	21 UJ	24 UJ	17 UJ	18 UJ
ETHYLBENZENE	13 UJ	19 UJ	17 UJ	21 UJ	24 UJ	17 UJ	18 UJ
HEXACHLOROBUTADIENE	13 UJ	19 UJ	17 UJ	21 UJ	24 UJ	17 UJ	18 UJ
ISOPROPYLBENZENE	13 UJ	19 UJ	17 UJ	21 UJ	24 UJ	17 UJ	18 UJ
M+P-XYLENES	25 UJ	38 UJ	35 UJ	42 UJ	48 UJ	34 UJ	36 UJ
METHYL ACETATE	NA	NA	NA	NA	NA	NA	NA
METHYL CYCLOHEXANE	NA	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	3 J	6 J	5 J	5 J	7 J	34 UJ	36 UJ
METHYLENE CHLORIDE	13 UJ	11 B	17 UJ	21 UJ	24 UJ	17 UJ	18 UJ
NAPHTHALENE	13 UJ	19 UJ	17 UJ	21 UJ	24 UJ	17 UJ	18 UJ
N-BUTYLBENZENE	13 UJ	19 UJ	17 UJ	21 UJ	24 UJ	17 UJ	18 UJ
N-PROPYLBENZENE	13 UJ	19 UJ	17 UJ	21 UJ	24 UJ	17 UJ	18 UJ
O-XYLENE	13 UJ	19 UJ	17 UJ	21 UJ	24 UJ	17 UJ	18 UJ
SEC-BUTYLBENZENE	13 UJ	19 UJ	17 UJ	21 UJ	24 UJ	17 UJ	18 UJ
STYRENE	13 UJ	19 UJ	17 UJ	21 UJ	24 UJ	17 UJ	18 UJ
TERT-AMYL METHYL ETHER	13 UJ	19 UJ	17 UJ	21 UJ	24 UJ	17 UJ	18 UJ
TERT-BUTYLBENZENE	13 UJ	19 UJ	17 UJ	21 UJ	24 UJ	17 UJ	18 UJ

NA - Not analyzed.

TABLE B-2
ANALYTICAL RESULTS FOR SEDIMENT
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	SD-34-SS	SD-35-SS	SD-36-SS	SD-37-SS	SD-38-SS	SD-39-SS	SD-40-SS
LABORATORY ID:	WV5605-19	WV5605-20	WV5606-1RA	648319	WV5606-3	WV5606-4	648320
SAMPLE DATE:	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005
LOCATION:	SD-34	SD-35	SD-36	SD-37	SD-38	SD-39	SD-40
TERTIARY-BUTYL ALCOHOL	25 UR	38 UR	35 UR	42 UR	48 UR	34 UR	36 UR
TETRACHLOROETHENE	13 UJ	19 UJ	17 UJ	21 UJ	24 UJ	17 UJ	18 UJ
TOLUENE	13 UJ	19 UJ	17 UJ	21 UJ	24 UJ	17 UJ	18 UJ
TOTAL 1,2-DICHLOROETHENE	25 UJ	38 UJ	35 UJ	42 UJ	48 UJ	34 UJ	36 UJ
TOTAL XYLENES	38 UJ	58 UJ	52 UJ	63 UJ	72 UJ	50 UJ	54 UJ
TRANS-1,2-DICHLOROETHENE	13 UJ	19 UJ	17 UJ	21 UJ	24 UJ	17 UJ	18 UJ
TRANS-1,3-DICHLOROPROPENE	13 UJ	19 UJ	17 UJ	21 UJ	24 UJ	17 UJ	18 UJ
TRICHLOROETHENE	13 UJ	19 UJ	17 UJ	21 UJ	24 UJ	17 UJ	18 UJ
TRICHLOROFLUOROMETHANE	25 UJ	38 UJ	35 UJ	42 UJ	48 UJ	34 UJ	36 UJ
VINYL ACETATE	13 UJ	19 UJ	17 UJ	21 UJ	24 UJ	17 UJ	18 UJ
VINYL CHLORIDE	25 UJ	38 UJ	35 UJ	42 UJ	48 UJ	34 UJ	36 UJ

NA - Not analyzed.

TABLE B-2
ANALYTICAL RESULTS FOR SEDIMENT
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND
PAGE 65 OF 72

SAMPLE ID:	SD-40-01	SD-40-02	SD-41-SS	SD-42-SS	SD-42-01	SD-42-02
LABORATORY ID:	648321	648322	WV5606-8	WV5606-9	WV5606-10	WV5606-11
SAMPLE DATE:	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005
LOCATION:	SD-40	SD-40	SD-41	SD-42	SD-42	SD-42
BUTYLTINS (ug/kg)						
DIBUTYLTIN	5	8.5	NA	NA	NA	NA
MONOBUTYLTIN	4.2 U	4.1 UR	NA	NA	NA	NA
TETRABUTYLTIN	4.2 U	4.1 U	NA	NA	NA	NA
TRIBUTYLTIN	3.7 U	3.7 U	NA	NA	NA	NA
INORGANICS (mg/kg)						
ANTIMONY	0.66 U	0.94 U	0.89 UJ	0.88 U	0.58 U	0.7 U
ARSENIC	5.4	4	6 J	4.2	1.46 U	5.6
BARIUM	52.4	73.5	41.7 J	44	54.2	37.3
BERYLLIUM	2.2	2.2	1.6 J	1.5	1.2	2.4
CADMIUM	31.2	56.6	10.6 J	32.9	157	1.6
CHROMIUM	475	945	173 J	354	1100	46.8
COBALT	20.9	20	14.5 J	17	12	22.3
COPPER	93.7	113	105 J	101	95.6	34.5
LEAD	182	316	108 J	162	256	68
MERCURY	0.67	0.61	0.35 J	0.29	0.52	0.21
MOLYBDENUM	1.4	1.9	1.3 J	1.6	1.7	1.7
NICKEL	45.8	51.2	29.8 J	33.8	39.3	31.5
SELENIUM	0.61	0.82 U	1 J	0.77 U	0.51 U	0.61 U
SILVER	5.4	3.4	1.6 B	2.7	7.5	0.46 B
THALLIUM	1 B	1.41 U	1.33 UJ	1.31 U	0.87 U	1.05 U
VANADIUM	50.7	66.3	33.6 J	33.2	42.3	34.9
ZINC	430	559	313 J	475	598	136
MISCELLANEOUS (%)						
PERCENT SOLIDS	NA	NA	NA	NA	NA	NA
TOTAL SOLIDS	38	38	26	40	53	40

NA - Not analyzed.

TABLE B-2
ANALYTICAL RESULTS FOR SEDIMENT
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND
PAGE 66 OF 72

SAMPLE ID:	SD-40-01	SD-40-02	SD-41-SS	SD-42-SS	SD-42-01	SD-42-02
LABORATORY ID:	648321	648322	WV5606-8	WV5606-9	WV5606-10	WV5606-11
SAMPLE DATE:	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005
LOCATION:	SD-40	SD-40	SD-41	SD-42	SD-42	SD-42
MISCELLANEOUS (mg/kg)						
HEXAVALENT CHROMIUM	1.3 U	1.3 U	1.9 UJ	1.2 U	1.6	1.2 U
TOTAL ORGANIC CARBON	NA	NA	NA	NA	NA	NA
MISCELLANEOUS (ug/kg)						
TOTAL ORGANIC CARBON	46000	50000	NA	NA	NA	NA
PESTICIDES/PCBs (ug/kg)						
AROCLOR-1016	44 U	45 U	NA	NA	NA	NA
AROCLOR-1221	44 U	45 U	NA	NA	NA	NA
AROCLOR-1232	44 U	45 U	NA	NA	NA	NA
AROCLOR-1242	44 U	45 U	NA	NA	NA	NA
AROCLOR-1248	44 U	45 U	NA	NA	NA	NA
AROCLOR-1254	44 U	45 U	NA	NA	NA	NA
AROCLOR-1260	400	960	NA	NA	NA	NA
SEMIVOLATILE SOIL (ug/kg)						
1,2,4-TRICHLOROBENZENE	860 U	880 U	NA	NA	NA	NA
1,2-DICHLOROBENZENE	860 U	880 U	NA	NA	NA	NA
1,2-DIPHENYLHYDRAZINE	NA	NA	NA	NA	NA	NA
1,3-DICHLOROBENZENE	860 U	880 U	NA	NA	NA	NA
1,4-DICHLOROBENZENE	100 B	74 B	NA	NA	NA	NA
1,4-DIOXANE	860 U	880 U	NA	NA	NA	NA
1-METHYLNAPHTHALENE	860 U	880 U	NA	NA	NA	NA
2,2'-OXYBIS(1-CHLOROPROPANE)	860 U	880 U	NA	NA	NA	NA
2,4,5-TRICHLOROPHENOL	2100 U	2200 U	NA	NA	NA	NA
2,4,6-TRICHLOROPHENOL	860 U	880 U	NA	NA	NA	NA
2,4-DICHLOROPHENOL	860 U	880 U	NA	NA	NA	NA
2,4-DIMETHYLPHENOL	860 U	880 U	NA	NA	NA	NA

NA - Not analyzed.

TABLE B-2
ANALYTICAL RESULTS FOR SEDIMENT
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND
PAGE 67 OF 72

SAMPLE ID:	SD-40-01	SD-40-02	SD-41-SS	SD-42-SS	SD-42-01	SD-42-02
LABORATORY ID:	648321	648322	WV5606-8	WV5606-9	WV5606-10	WV5606-11
SAMPLE DATE:	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005
LOCATION:	SD-40	SD-40	SD-41	SD-42	SD-42	SD-42
2,4-DINITROPHENOL	2100 U	2200 U	NA	NA	NA	NA
2,4-DINITROTOLUENE	860 U	880 U	NA	NA	NA	NA
2,6-DINITROTOLUENE	860 U	880 U	NA	NA	NA	NA
2-CHLORONAPHTHALENE	860 U	880 U	NA	NA	NA	NA
2-CHLOROPHENOL	860 U	880 U	NA	NA	NA	NA
2-METHYLNAPHTHALENE	860 U	880 U	NA	NA	NA	NA
2-METHYLPHENOL	860 U	880 U	NA	NA	NA	NA
2-NITROANILINE	2100 U	2200 U	NA	NA	NA	NA
2-NITROPHENOL	860 U	880 U	NA	NA	NA	NA
3&4-METHYLPHENOL	860 U	880 U	NA	NA	NA	NA
3,3'-DICHLOROBENZIDINE	860 U	880 U	NA	NA	NA	NA
3-NITROANILINE	2100 U	2200 U	NA	NA	NA	NA
4,6-DINITRO-2-METHYLPHENOL	2100 U	2200 U	NA	NA	NA	NA
4-BROMOPHENYL PHENYL ETHER	860 U	880 U	NA	NA	NA	NA
4-CHLORO-3-METHYLPHENOL	860 U	880 U	NA	NA	NA	NA
4-CHLOROANILINE	860 U	880 U	NA	NA	NA	NA
4-CHLOROPHENYL PHENYL ETHER	860 U	880 U	NA	NA	NA	NA
4-METHYLPHENOL	NA	NA	NA	NA	NA	NA
4-NITROANILINE	2100 U	2200 U	NA	NA	NA	NA
4-NITROPHENOL	2100 U	2200 U	NA	NA	NA	NA
ACENAPHTHENE	180 B	190 B	NA	NA	NA	NA
ACENAPHTHYLENE	860 U	880 U	NA	NA	NA	NA
ANILINE	860 U	880 U	NA	NA	NA	NA
ANTHRACENE	170 J	190 J	NA	NA	NA	NA
AZOBENZENE	860 U	880 U	NA	NA	NA	NA
BENZIDINE	2100 U	2200 U	NA	NA	NA	NA

NA - Not analyzed.

TABLE B-2
ANALYTICAL RESULTS FOR SEDIMENT
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	SD-40-01	SD-40-02	SD-41-SS	SD-42-SS	SD-42-01	SD-42-02
LABORATORY ID:	648321	648322	WV5606-8	WV5606-9	WV5606-10	WV5606-11
SAMPLE DATE:	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005
LOCATION:	SD-40	SD-40	SD-41	SD-42	SD-42	SD-42
BENZO(A)ANTHRACENE	410 J	660 J	NA	NA	NA	NA
BENZO(A)PYRENE	480 J	740 J	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	750 J	1000	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	440 J	690 J	NA	NA	NA	NA
BENZO(K)FLUORANTHENE	860 U	880 U	NA	NA	NA	NA
BENZOIC ACID	2100 U	2200 U	NA	NA	NA	NA
BENZYL ALCOHOL	860 UJ	880 UJ	NA	NA	NA	NA
BIS(2-CHLOROETHOXY)METHANE	860 U	880 U	NA	NA	NA	NA
BIS(2-CHLOROETHYL)ETHER	860 U	880 U	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	760 J	1700	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	860 U	880 U	NA	NA	NA	NA
CARBAZOLE	860 U	880 U	NA	NA	NA	NA
CHRYSENE	670 J	1000	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	860 U	880 U	NA	NA	NA	NA
DIBENZOFURAN	860 U	880 U	NA	NA	NA	NA
DIETHYL PHTHALATE	860 U	880 U	NA	NA	NA	NA
DIMETHYL PHTHALATE	860 U	880 U	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	860 U	880 U	NA	NA	NA	NA
DI-N-OCTYL PHTHALATE	860 U	880 U	NA	NA	NA	NA
FLUORANTHENE	670 J	890	NA	NA	NA	NA
FLUORENE	860 U	880 U	NA	NA	NA	NA
HEXACHLOROBENZENE	860 U	880 U	NA	NA	NA	NA
HEXACHLOROBUTADIENE	860 U	880 U	NA	NA	NA	NA
HEXACHLOROCYCLOPENTADIENE	860 U	880 U	NA	NA	NA	NA
HEXACHLOROETHANE	860 U	880 U	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	450 J	570 J	NA	NA	NA	NA

NA - Not analyzed.

TABLE B-2
ANALYTICAL RESULTS FOR SEDIMENT
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	SD-40-01	SD-40-02	SD-41-SS	SD-42-SS	SD-42-01	SD-42-02
LABORATORY ID:	648321	648322	WV5606-8	WV5606-9	WV5606-10	WV5606-11
SAMPLE DATE:	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005
LOCATION:	SD-40	SD-40	SD-41	SD-42	SD-42	SD-42
ISOPHORONE	860 U	880 U	NA	NA	NA	NA
NAPHTHALENE	860 U	880 U	NA	NA	NA	NA
NITROBENZENE	860 U	880 U	NA	NA	NA	NA
N-NITROSODIMETHYLAMINE	860 U	880 U	NA	NA	NA	NA
N-NITROSO-DI-N-PROPYLAMINE	860 U	880 U	NA	NA	NA	NA
N-NITROSODIPHENYLAMINE	860 U	880 U	NA	NA	NA	NA
PENTACHLOROPHENOL	2100 U	2200 U	NA	NA	NA	NA
PHENANTHRENE	300 J	400 J	NA	NA	NA	NA
PHENOL	860 U	880 U	NA	NA	NA	NA
PYRENE	1200	2100	NA	NA	NA	NA
PYRIDINE	860 U	880 U	NA	NA	NA	NA
VOLATILE SOILS (ug/kg)						
1,1,1,2-TETRACHLOROETHANE	13 U	13 U	19 UJ	13 U	9 U	12 UJ
1,1,1-TRICHLOROETHANE	13 U	13 U	19 UJ	13 U	9 U	12 UJ
1,1,2,2-TETRACHLOROETHANE	13 U	13 UJ	19 UJ	13 UJ	9 UJ	12 UJ
1,1,2-TRICHLOROETHANE	NA	NA	NA	NA	NA	NA
1,1,2-TRICHLOROTRIFLUOROETHANE	13 U	13 U	19 UJ	13 U	9 U	12 UJ
1,1-DICHLOROETHANE	13 U	13 U	19 UJ	13 U	9 U	12 UJ
1,1-DICHLOROETHENE	13 U	13 U	19 UJ	13 U	9 U	12 UJ
1,1-DICHLOROPROPENE	13 U	13 U	19 UJ	13 U	9 U	12 UJ
1,2,3-TRICHLOROBENZENE	13 U	13 UJ	19 UJ	13 UJ	9 UJ	12 UJ
1,2,3-TRICHLOROPROPANE	13 U	13 UJ	19 UJ	13 UJ	9 UJ	12 UJ
1,2,3-TRIMETHYLBENZENE	13 U	13 UJ	19 UJ	13 UJ	9 UJ	12 UJ
1,2,4-TRICHLOROBENZENE	13 U	13 UJ	19 UJ	13 UJ	9 UJ	12 UJ
1,2,4-TRIMETHYLBENZENE	13 U	13 UJ	19 UJ	13 UJ	9 UJ	12 UJ
1,2-DIBROMO-3-CHLOROPROPANE	13 U	13 UJ	19 UJ	13 UJ	9 UJ	12 UJ

NA - Not analyzed.

TABLE B-2
ANALYTICAL RESULTS FOR SEDIMENT
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	SD-40-01	SD-40-02	SD-41-SS	SD-42-SS	SD-42-01	SD-42-02
LABORATORY ID:	648321	648322	WV5606-8	WV5606-9	WV5606-10	WV5606-11
SAMPLE DATE:	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005
LOCATION:	SD-40	SD-40	SD-41	SD-42	SD-42	SD-42
1,2-DIBROMOETHANE	13 U	13 U	19 UJ	13 U	9 U	12 UJ
1,2-DICHLOROBENZENE	13 U	13 UJ	19 UJ	13 UJ	9 UJ	12 UJ
1,2-DICHLOROETHANE	13 U	13 U	19 UJ	13 U	9 U	12 UJ
1,2-DICHLOROPROPANE	13 U	13 U	19 UJ	13 U	9 U	12 UJ
1,3-DICHLOROBENZENE	13 U	13 UJ	19 UJ	13 UJ	9 UJ	12 UJ
1,3-DICHLOROPROPANE	13 U	13 U	19 UJ	13 U	9 U	12 UJ
1,4-DICHLOROBENZENE	13 U	13 UJ	19 UJ	13 UJ	9 UJ	12 UJ
2,2-DICHLOROPROPANE	13 U	13 U	19 UJ	13 U	9 U	12 UJ
2-BUTANONE	66 UR	66 UR	94 UR	63 UR	47 UR	62 UR
2-CHLOROETHYL VINYL ETHER	13 U	13 U	19 UJ	13 U	9 U	12 UJ
2-CHLOROTOLUENE	13 U	13 UJ	19 UJ	13 U	9 UJ	12 UJ
2-HEXANONE	66 U	66 U	94 UJ	63 U	47 U	62 UJ
4-CHLOROTOLUENE	13 U	13 UJ	19 UJ	13 UJ	9 UJ	12 UJ
4-ISOPROPYLTOLUENE	13 U	13 UJ	19 UJ	13 UJ	9 UJ	12 UJ
4-METHYL-2-PENTANONE	66 U	66 U	94 UJ	63 U	47 U	62 UJ
ACETONE	200 J	240 J	65 J	59 J	36 J	120 J
BENZENE	13 U	13 U	19 UJ	13 U	9 U	12 UJ
BROMOBENZENE	13 U	13 UJ	19 UJ	13 UJ	9 UJ	12 UJ
BROMOCHLOROMETHANE	13 U	13 U	19 UJ	13 U	9 U	12 UJ
BROMODICHLOROMETHANE	13 U	13 U	19 UJ	13 U	9 U	12 UJ
BROMOFORM	13 U	13 U	19 UJ	13 U	9 U	12 UJ
BROMOMETHANE	26 U	27 U	38 UJ	25 U	19 U	25 UJ
CARBON DISULFIDE	13 U	5 J	19 UJ	13 U	5 J	8 J
CARBON TETRACHLORIDE	13 U	13 U	19 UJ	13 U	9 U	12 UJ
CHLOROBENZENE	13 U	13 U	19 UJ	13 U	9 U	12 UJ
CHLORODIBROMOMETHANE	13 U	13 U	19 UJ	13 U	9 U	12 UJ

NA - Not analyzed.

TABLE B-2
ANALYTICAL RESULTS FOR SEDIMENT
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	SD-40-01	SD-40-02	SD-41-SS	SD-42-SS	SD-42-01	SD-42-02
LABORATORY ID:	648321	648322	WV5606-8	WV5606-9	WV5606-10	WV5606-11
SAMPLE DATE:	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005
LOCATION:	SD-40	SD-40	SD-41	SD-42	SD-42	SD-42
CHLOROETHANE	26 U	27 U	38 UJ	25 U	19 U	25 UJ
CHLOROFORM	13 U	13 U	19 UJ	13 U	9 U	12 UJ
CHLOROMETHANE	26 U	27 U	38 UJ	25 U	19 U	25 UJ
CIS-1,2-DICHLOROETHENE	13 U	13 U	19 UJ	13 U	9 U	12 UJ
CIS-1,3-DICHLOROPROPENE	13 U	13 U	19 UJ	13 U	9 U	12 UJ
CYCLOHEXANE	NA	NA	NA	NA	NA	NA
DIBROMOMETHANE	13 U	13 U	19 UJ	13 U	9 U	12 UJ
DICHLORODIFLUOROMETHANE	26 U	27 U	38 UJ	25 U	19 U	25 UJ
DIISOPROPYL ETHER	13 U	13 U	19 UJ	13 U	9 U	12 UJ
ETHYL TERT-BUTYL ETHER	13 U	13 U	19 UJ	13 U	9 U	12 UJ
ETHYLBENZENE	13 U	13 U	19 UJ	13 U	9 U	12 UJ
HEXACHLOROBUTADIENE	13 U	13 UJ	19 UJ	13 UJ	9 UJ	12 UJ
ISOPROPYLBENZENE	13 U	13 UJ	19 UJ	13 UJ	9 UJ	12 UJ
M+P-XYLENES	26 U	27 U	38 UJ	25 U	19 U	25 UJ
METHYL ACETATE	NA	NA	NA	NA	NA	NA
METHYL CYCLOHEXANE	NA	NA	NA	NA	NA	NA
METHYL TERT-BUTYL ETHER	26 U	27 U	5 J	4 J	3 J	25 UJ
METHYLENE CHLORIDE	13 U	13 U	19 UJ	13 U	9 U	12 UJ
NAPHTHALENE	13 U	13 UJ	19 UJ	13 UJ	9 UJ	12 UJ
N-BUTYLBENZENE	13 U	13 UJ	19 UJ	13 UJ	9 UJ	12 UJ
N-PROPYLBENZENE	13 U	13 UJ	19 UJ	13 UJ	9 UJ	12 UJ
O-XYLENE	13 U	13 U	19 UJ	13 U	9 U	12 UJ
SEC-BUTYLBENZENE	13 U	13 UJ	19 UJ	13 UJ	9 UJ	12 UJ
STYRENE	13 U	13 U	19 UJ	13 U	9 U	12 UJ
TERT-AMYL METHYL ETHER	13 U	13 U	19 UJ	13 U	9 U	12 UJ
TERT-BUTYLBENZENE	13 U	13 U	19 UJ	13 U	9 U	12 UJ

NA - Not analyzed.

TABLE B-2
ANALYTICAL RESULTS FOR SEDIMENT
LMC MIDDLE RIVER COMPLEX
MIDDLE RIVER, MARYLAND

SAMPLE ID:	SD-40-01	SD-40-02	SD-41-SS	SD-42-SS	SD-42-01	SD-42-02
LABORATORY ID:	648321	648322	WV5606-8	WV5606-9	WV5606-10	WV5606-11
SAMPLE DATE:	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005	10/21/2005
LOCATION:	SD-40	SD-40	SD-41	SD-42	SD-42	SD-42
TERTIARY-BUTYL ALCOHOL	26 UR	27 UR	38 UR	25 UR	19 UR	25 UR
TETRACHLOROETHENE	13 U	13 U	19 UJ	13 U	9 U	12 UJ
TOLUENE	13 U	13 U	19 UJ	3 J	9 U	12 UJ
TOTAL 1,2-DICHLOROETHENE	26 U	27 U	38 UJ	25 U	19 U	25 UJ
TOTAL XYLENES	39 U	40 U	56 UJ	38 U	28 U	37 UJ
TRANS-1,2-DICHLOROETHENE	13 U	13 U	19 UJ	13 U	9 U	12 UJ
TRANS-1,3-DICHLOROPROPENE	13 U	13 U	19 UJ	13 U	9 U	12 UJ
TRICHLOROETHENE	13 U	13 U	19 UJ	13 U	9 U	12 UJ
TRICHLOROFLUOROMETHANE	26 U	27 U	38 UJ	25 U	19 U	25 UJ
VINYL ACETATE	13 U	13 U	19 UJ	13 U	9 U	12 UJ
VINYL CHLORIDE	26 U	27 U	38 UJ	25 U	19 U	25 UJ

NA - Not analyzed.

APPENDIX C - DATA VALIDATION MEMORANDUM

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**M. MARTIN**	**DATE:**	**JUNE 9, 2005**
FROM:	**BERNARD F SPADA III**	**COPIES:**	**DV FILE**
SUBJECT:	**ORGANIC DATA VALIDATION- VOC/SVOC/PCB** **LOCKHEED MIDDLE RIVER** **SDG 503077**		
SAMPLES:	3/Sediment		
	SD-04-031705	SD-1-031705	SD-3-031705
	8/Aqueous		
	SW-1-031705 SW-4-031705 SW-7-031705	SW-2-031705 SW-5-031705 TB031705	SW-3-031705 SW-6-031705

Overview

The sample set for Lockheed Middle River, SDG 503077 consists of three (3) environmental sediment samples, seven (7) environmental aqueous samples, and one (1) trip blank. All samples except the trip blank (TB031705) were analyzed for volatile organic compounds (VOC), semivolatile organic compounds (SVOC), and polychlorinated biphenyls (PCB). The trip blank was analyzed for VOC only.

The samples were collected by Tetra Tech NUS on March 17, 2005 and analyzed by Phase Separation Science, Inc. All analyses were conducted in accordance with Quality Assurance/Quality Control (QA/QC) criteria using SW-846 8260B, 8270C, and 8082 analytical and reporting protocols. The data contained in this SDG were validated with regard to the following parameters: data completeness, holding times, initial/continuing calibrations, laboratory method blank results, surrogate spike recoveries, blank spike/blank spike duplicate results, internal standard recoveries, and detection limits. Areas of concern are listed below.

Major

- The VOC initial calibration performed on March 8, 2005 and all continuing calibrations were below the 0.05 relative response factor (RRF) quality control criterion for 1,4-dioxane. Non-detected results for 1,4-dioxane were rejected (UR) in all aqueous samples.

Minor

- The VOC initial calibration performed on March 8, 2005 exceeded the 30% relative standard deviation (RSD) quality control criterion for acetone. Positive results for acetone were qualified as estimated (J) in all samples.

- The SVOC continuing calibration performed on March 25 at 10:35 exceeded the 25% (but was <50%) difference quality control criterion for bis(2-ethylhexyl)phthalate, benzo(g,h,i)perylene, and dibenz(a,h)anthracene. The positive results for bis(2-ethylhexyl)phthalate were qualified as

estimated (J) in the aqueous samples SW-1-031705, SW-2-031705, SW-3-031705, SW-6-031705, and SW-7-031705. No action was taken for benzo(g,h,i)perylene and dibenz(a,h)anthracene.

- The SVOC continuing calibration performed on March 28 at 10:38 exceeded the 25% difference (but was <50%) quality control criterion for bis(2-ethylhexyl)phthalate. The positive results for bis(2-ethylhexyl)phthalate were qualified as estimated (J) in samples SW-4-031705 and SW-5-031705.

- The SVOC continuing calibration performed on March 29 at 10:32 exceeded the 25% difference (but was <50%) quality control criterion for 2,4-dinitrophenol and bis(2-ethylhexyl)phthalate. The positive results for bis(2-ethylhexyl)phthalate were qualified as estimated (J) in all sediment samples.

- Positive results below the reporting limit were qualified as estimated (J) due to uncertainty near the detection limit.

- Acetone is a suspected laboratory contaminant. Positive results for acetone were qualified as estimated (J) in all sediment and aqueous samples.

- The percent recovery of the VOC surrogate toluene-d8 was below the quality control criterion in sample SW-7-031705, SW-7-031705RE, and SW-3-031705RE. Positive and non-detected results were qualified as estimated (J) and (UJ) in samples SW-3-031705 and SW-7-031705.

Notes

The laboratory did not report the same compound list as provided in the SOW for the VOC and SVOC fractions. According to the laboratory the SOW was received with all compound lists crossed out. The laboratory faxed a copy of the compound list pages of the SOW showing the cross outs. The faxed sheets are included in the support documentation. No action was taken on this basis because a definite compound list could not be determined.

The VOC continuing calibration performed on March 23 at 13:47 exceeded the 25% (but was <50%) difference quality control criterion for bromomethane and carbon disulfide. No action was taken on this basis.

The VOC continuing calibration performed on March 28 at 08:07 exceeded the 25% (but was <50%) difference quality control criterion for bromomethane and MTBE. No action was taken on this basis.

The VOC continuing calibration performed on March 29 at 10:05 exceeded the 25% (but was <50%) difference quality control criterion for MTBE. No action was taken on this basis.

The percent recovery of the VOC surrogate 4-bromofluorobenzene exceeded the quality control criterion in the MSD of sample SD-04-031705. No action was taken on this basis because the surrogate was compliant in the MS and un-spiked samples.

The percent recovery of chlorobenzene was below the quality control criterion in the MSD of sample SW-3-031705. No action was taken on this basis.

Several minor percent recovery and relative percent difference (RPD) non-compliances were noted in the MS/MSD performed on the VOC fraction of sample SD-04-031705. No action was taken on this basis because all LCS percent recoveries were compliant.

The VOC internal standards chlorobenzene-d5 and fluorobenzene were below the percent recovery quality control criterion in sample SW-3-031705. Chlorobenzene-d5 was also below criterion in sample SW-7-031705. Both samples were re-analyzed within holding time with acceptable results.

The percent recovery of Aroclor 1016 exceeded the quality control criterion in the PCB MS/MSD and the recovery of Aroclor 1260 was below criterion in the MS. No action was taken on this basis because the un-spiked sample was not associated with this SDG.

Calculations could not be reproduced because no raw data was provided for the environmental samples. No action was taken on this basis.

Executive Summary

Laboratory Performance: Qualifications were made based on calibration non-compliances.

Other Factors Affecting Data Quality: None.

The data for these analyses were reviewed with reference to Region III modifications to U.S. EPA National Functional Guidelines for Data Validation (9/94). The text of this report has been formulated to address only those problem areas affecting data quality.

Tetra Tech NUS
Bernard F Spada III
Chemist/Data Validator

Tetra Tech NUS
Joseph A. Samchuck
Quality Assurance Officer

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

Appendix A

Qualified Analytical Results

Data Validation Qualifier Codes:

A = Lab Blank Contamination
B = Field Blank Contamination
C = Calibration Noncompliance (e.g. % RSDs, %Ds, ICVs, CCVs, RRFs, etc.)
C01 = GC/MS Tuning Noncompliance
D = MS/MSD Recovery Noncompliance
E = LCS/LCSD Recovery Noncompliance
F = Lab Duplicate Imprecision
G = Field Duplicate Imprecision
H = Holding Time Exceedance
I = ICP Serial Dilution Noncompliance
J = GFAA PDS - GFAA MSA's $r < 0.995$
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: 00076

SDG: 503077 MEDIA: WATER DATA FRACTION: OV

nsample	SW-1-031705
samp_date	3/17/2005
lab_id	503077-002
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	5	U	
1,1,2,2-TETRACHLOROETHANE	5	U	
1,1,2-TRICHLOROETHANE	5	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	5	U	
1,1-DICHLOROETHANE	5	U	
1,1-DICHLOROETHENE	5	U	
1,2,4-TRICHLOROBENZENE	5	U	
1,2-DIBROMO-3-CHLOROPROPANE	5	U	
1,2-DIBROMOETHANE	5	U	
1,2-DICHLOROBENZENE	5	U	
1,2-DICHLOROETHANE	5	U	
1,2-DICHLOROPROPANE	5	U	
1,3-DICHLOROBENZENE	5	U	
1,4-DICHLOROBENZENE	5	U	
1,4-DIOXANE	100	UR	C
2-BUTANONE	10	U	
2-HEXANONE	10	U	
4-METHYL-2-PENTANONE	10	U	
ACETONE	5.7	J	ACP
BENZENE	5	U	
BROMODICHLOROMETHANE	5	U	
BROMOFORM	5	U	
BROMOMETHANE	10	U	
CARBON DISULFIDE	5	U	
CARBON TETRACHLORIDE	5	U	
CHLOROBENZENE	5	U	
CHLORODIBROMOMETHANE	5	U	
CHLOROETHANE	10	U	
CHLOROFORM	1.2	J	P
CHLOROMETHANE	10	U	
CIS-1,2-DICHLOROETHENE	5	U	
CIS-1,3-DICHLOROPROPENE	5	U	

nsample	SW-1-031705
samp_date	3/17/2005
lab_id	503077-002
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CYCLOHEXANE	5	U	
DICHLORODIFLUOROMETHANE	5	U	
ETHYLBENZENE	5	U	
ISOPROPYLBENZENE	5	U	
M+P-XYLENES	5	U	
METHYL ACETATE	5	U	
METHYL CYCLOHEXANE	5	U	
METHYL TERT-BUTYL ETHER	5	U	
METHYLENE CHLORIDE	10	U	
O-XYLENE	5	U	
STYRENE	5	U	
TETRACHLOROETHENE	5	U	
TOLUENE	5	U	
TRANS-1,2-DICHLOROETHENE	5	U	
TRANS-1,3-DICHLOROPROPENE	5	U	
TRICHLOROETHENE	5	U	
TRICHLOROFLUOROMETHANE	5	U	
VINYL CHLORIDE	10	U	

nsample	SW-2-031705
samp_date	3/17/2005
lab_id	503077-004
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	5	U	
1,1,2,2-TETRACHLOROETHANE	5	U	
1,1,2-TRICHLOROETHANE	5	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	5	U	
1,1-DICHLOROETHANE	5	U	
1,1-DICHLOROETHENE	5	U	
1,2,4-TRICHLOROBENZENE	5	U	
1,2-DIBROMO-3-CHLOROPROPANE	5	U	
1,2-DIBROMOETHANE	5	U	
1,2-DICHLOROBENZENE	5	U	
1,2-DICHLOROETHANE	5	U	
1,2-DICHLOROPROPANE	5	U	
1,3-DICHLOROBENZENE	5	U	
1,4-DICHLOROBENZENE	5	U	
1,4-DIOXANE	100	UR	C
2-BUTANONE	10	U	
2-HEXANONE	10	U	
4-METHYL-2-PENTANONE	10	U	
ACETONE	5.4	J	ACP
BENZENE	5	U	
BROMODICHLOROMETHANE	5	U	
BROMOFORM	5	U	
BROMOMETHANE	10	U	
CARBON DISULFIDE	5.1		
CARBON TETRACHLORIDE	5	U	
CHLOROBENZENE	5	U	
CHLORODIBROMOMETHANE	5	U	
CHLOROETHANE	10	U	
CHLOROFORM	5	U	
CHLOROMETHANE	10	U	
CIS-1,2-DICHLOROETHENE	5	U	
CIS-1,3-DICHLOROPROPENE	5	U	

PROJ_NO: 00076

SDG: 503077 MEDIA: WATER DATA FRACTION: OV

nsample	SW-2-031705
samp_date	3/17/2005
lab_id	503077-004
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CYCLOHEXANE	5	U	
DICHLORODIFLUOROMETHANE	5	U	
ETHYLBENZENE	5	U	
ISOPROPYLBENZENE	5	U	
M+P-XYLENES	5	U	
METHYL ACETATE	5	U	
METHYL CYCLOHEXANE	5	U	
METHYL TERT-BUTYL ETHER	5	U	
METHYLENE CHLORIDE	10	U	
O-XYLENE	5	U	
STYRENE	5	U	
TETRACHLOROETHENE	5	U	
TOLUENE	5	U	
TRANS-1,2-DICHLOROETHENE	5	U	
TRANS-1,3-DICHLOROPROPENE	5	U	
TRICHLOROETHENE	5	U	
TRICHLOROFLUOROMETHANE	5	U	
VINYL CHLORIDE	10	U	

nsample	SW-3-031705RE
samp_date	3/17/2005
lab_id	503077-014RE
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	5	UJ	R
1,1,2,2-TETRACHLOROETHANE	5	UJ	R
1,1,2-TRICHLOROETHANE	5	UJ	R
1,1,2-TRICHLOROTRIFLUOROETHANE	5	UJ	R
1,1-DICHLOROETHANE	5	UJ	R
1,1-DICHLOROETHENE	5	UJ	R
1,2,4-TRICHLOROBENZENE	5	UJ	R
1,2-DIBROMO-3-CHLOROPROPANE	5	UJ	R
1,2-DIBROMOETHANE	5	UJ	R
1,2-DICHLOROBENZENE	5	UJ	R
1,2-DICHLOROETHANE	5	UJ	R
1,2-DICHLOROPROPANE	5	UJ	R
1,3-DICHLOROBENZENE	5	UJ	R
1,4-DICHLOROBENZENE	5	UJ	R
1,4-DIOXANE	100	UR	CR
2-BUTANONE	10	UJ	R
2-HEXANONE	10	UJ	R
4-METHYL-2-PENTANONE	10	UJ	R
ACETONE	10	UJ	R
BENZENE	5	UJ	R
BROMODICHLOROMETHANE	5	UJ	R
BROMOFORM	5	UJ	R
BROMOMETHANE	10	UJ	R
CARBON DISULFIDE	6.8	J	R
CARBON TETRACHLORIDE	5	UJ	R
CHLOROBENZENE	5	UJ	R
CHLORODIBROMOMETHANE	5	UJ	R
CHLOROETHANE	10	UJ	R
CHLOROFORM	5	UJ	R
CHLOROMETHANE	10	UJ	R
CIS-1,2-DICHLOROETHENE	5	UJ	R
CIS-1,3-DICHLOROPROPENE	5	UJ	R

nsample	SW-3-031705RE
samp_date	3/17/2005
lab_id	503077-014RE
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CYCLOHEXANE	5	UJ	R
DICHLORODIFLUOROMETHANE	5	UJ	R
ETHYLBENZENE	5	UJ	R
ISOPROPYLBENZENE	5	UJ	R
M+P-XYLENES	5	UJ	R
METHYL ACETATE	5	UJ	R
METHYL CYCLOHEXANE	5	UJ	R
METHYL TERT-BUTYL ETHER	5	UJ	R
METHYLENE CHLORIDE	10	UJ	R
O-XYLENE	5	UJ	R
STYRENE	5	UJ	R
TETRACHLOROETHENE	5	UJ	R
TOLUENE	5	UJ	R
TRANS-1,2-DICHLOROETHENE	5	UJ	R
TRANS-1,3-DICHLOROPROPENE	5	UJ	R
TRICHLOROETHENE	5	UJ	R
TRICHLOROFLUOROMETHANE	5	UJ	R
VINYL CHLORIDE	10	UJ	R

PROJ_NO: 00076

SDG: 503077 MEDIA: WATER DATA FRACTION: OV

nsample	SW-4-031705
samp_date	3/17/2005
lab_id	503077-012
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	5	U	
1,1,2,2-TETRACHLOROETHANE	5	U	
1,1,2-TRICHLOROETHANE	5	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	5	U	
1,1-DICHLOROETHANE	5	U	
1,1-DICHLOROETHENE	5	U	
1,2,4-TRICHLOROBENZENE	5	U	
1,2-DIBROMO-3-CHLOROPROPANE	5	U	
1,2-DIBROMOETHANE	5	U	
1,2-DICHLOROBENZENE	5	U	
1,2-DICHLOROETHANE	5	U	
1,2-DICHLOROPROPANE	5	U	
1,3-DICHLOROBENZENE	5	U	
1,4-DICHLOROBENZENE	5	U	
1,4-DIOXANE	100	UR	C
2-BUTANONE	10	U	
2-HEXANONE	10	U	
4-METHYL-2-PENTANONE	10	U	
ACETONE	10	U	
BENZENE	5	U	
BROMODICHLOROMETHANE	5	U	
BROMOFORM	5	U	
BROMOMETHANE	10	U	
CARBON DISULFIDE	5.8		
CARBON TETRACHLORIDE	5	U	
CHLOROBENZENE	5	U	
CHLORODIBROMOMETHANE	5	U	
CHLOROETHANE	10	U	
CHLOROFORM	5	U	
CHLOROMETHANE	10	U	
CIS-1,2-DICHLOROETHENE	5	U	
CIS-1,3-DICHLOROPROPENE	5	U	

nsample	SW-4-031705
samp_date	3/17/2005
lab_id	503077-012
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CYCLOHEXANE	5	U	
DICHLORODIFLUOROMETHANE	5	U	
ETHYLBENZENE	5	U	
ISOPROPYLBENZENE	5	U	
M+P-XYLENES	5	U	
METHYL ACETATE	5	U	
METHYL CYCLOHEXANE	5	U	
METHYL TERT-BUTYL ETHER	5	U	
METHYLENE CHLORIDE	10	U	
O-XYLENE	5	U	
STYRENE	5	U	
TETRACHLOROETHENE	5	U	
TOLUENE	5	U	
TRANS-1,2-DICHLOROETHENE	5	U	
TRANS-1,3-DICHLOROPROPENE	5	U	
TRICHLOROETHENE	5	U	
TRICHLOROFLUOROMETHANE	5	U	
VINYL CHLORIDE	10	U	

nsample	SW-5-031705
samp_date	3/17/2005
lab_id	503077-010
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	5	U	
1,1,2,2-TETRACHLOROETHANE	5	U	
1,1,2-TRICHLOROETHANE	5	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	5	U	
1,1-DICHLOROETHANE	5	U	
1,1-DICHLOROETHENE	5	U	
1,2,4-TRICHLOROBENZENE	5	U	
1,2-DIBROMO-3-CHLOROPROPANE	5	U	
1,2-DIBROMOETHANE	5	U	
1,2-DICHLOROBENZENE	5	U	
1,2-DICHLOROETHANE	5	U	
1,2-DICHLOROPROPANE	5	U	
1,3-DICHLOROBENZENE	5	U	
1,4-DICHLOROBENZENE	5	U	
1,4-DIOXANE	100	UR	C
2-BUTANONE	10	U	
2-HEXANONE	10	U	
4-METHYL-2-PENTANONE	10	U	
ACETONE	10	U	
BENZENE	5	U	
BROMODICHLOROMETHANE	5	U	
BROMOFORM	5	U	
BROMOMETHANE	10	U	
CARBON DISULFIDE	8.6		
CARBON TETRACHLORIDE	5	U	
CHLOROBENZENE	5	U	
CHLORODIBROMOMETHANE	5	U	
CHLOROETHANE	10	U	
CHLOROFORM	5	U	
CHLOROMETHANE	10	U	
CIS-1,2-DICHLOROETHENE	5	U	
CIS-1,3-DICHLOROPROPENE	5	U	

PROJ_NO: 00076

SDG: 503077 MEDIA: WATER DATA FRACTION: OV

nsample	SW-5-031705
samp_date	3/17/2005
lab_id	503077-010
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CYCLOHEXANE	5	U	
DICHLORODIFLUOROMETHANE	5	U	
ETHYLBENZENE	5	U	
ISOPROPYLBENZENE	5	U	
M+P-XYLENES	5	U	
METHYL ACETATE	5	U	
METHYL CYCLOHEXANE	5	U	
METHYL TERT-BUTYL ETHER	5	U	
METHYLENE CHLORIDE	10	U	
O-XYLENE	5	U	
STYRENE	5	U	
TETRACHLOROETHENE	5	U	
TOLUENE	5	U	
TRANS-1,2-DICHLOROETHENE	5	U	
TRANS-1,3-DICHLOROPROPENE	5	U	
TRICHLOROETHENE	5	U	
TRICHLOROFLUOROMETHANE	5	U	
VINYL CHLORIDE	10	U	

nsample	SW-6-031705
samp_date	3/17/2005
lab_id	503077-008
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	5	U	
1,1,2,2-TETRACHLOROETHANE	5	U	
1,1,2-TRICHLOROETHANE	5	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	5	U	
1,1-DICHLOROETHANE	5	U	
1,1-DICHLOROETHENE	5	U	
1,2,4-TRICHLOROBENZENE	5	U	
1,2-DIBROMO-3-CHLOROPROPANE	5	U	
1,2-DIBROMOETHANE	5	U	
1,2-DICHLOROBENZENE	5	U	
1,2-DICHLOROETHANE	5	U	
1,2-DICHLOROPROPANE	5	U	
1,3-DICHLOROBENZENE	5	U	
1,4-DICHLOROBENZENE	5	U	
1,4-DIOXANE	100	UR	C
2-BUTANONE	10	U	
2-HEXANONE	10	U	
4-METHYL-2-PENTANONE	10	U	
ACETONE	10	U	
BENZENE	5	U	
BROMODICHLOROMETHANE	5	U	
BROMOFORM	5	U	
BROMOMETHANE	10	U	
CARBON DISULFIDE	4.8	J	P
CARBON TETRACHLORIDE	5	U	
CHLOROBENZENE	5	U	
CHLORODIBROMOMETHANE	5	U	
CHLOROETHANE	10	U	
CHLOROFORM	5	U	
CHLOROMETHANE	10	U	
CIS-1,2-DICHLOROETHENE	5	U	
CIS-1,3-DICHLOROPROPENE	5	U	

nsample	SW-6-031705
samp_date	3/17/2005
lab_id	503077-008
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CYCLOHEXANE	5	U	
DICHLORODIFLUOROMETHANE	5	U	
ETHYLBENZENE	5	U	
ISOPROPYLBENZENE	5	U	
M+P-XYLENES	5	U	
METHYL ACETATE	5	U	
METHYL CYCLOHEXANE	5	U	
METHYL TERT-BUTYL ETHER	5	U	
METHYLENE CHLORIDE	10	U	
O-XYLENE	5	U	
STYRENE	5	U	
TETRACHLOROETHENE	5	U	
TOLUENE	5	U	
TRANS-1,2-DICHLOROETHENE	5	U	
TRANS-1,3-DICHLOROPROPENE	5	U	
TRICHLOROETHENE	5	U	
TRICHLOROFLUOROMETHANE	5	U	
VINYL CHLORIDE	10	U	

PROJ_NO: 00076

SDG: 503077 MEDIA: WATER DATA FRACTION: OV

nsample	SW-7-031705RE	nsample	SW-7-031705RE	nsample	TB031705
samp_date	3/17/2005	samp_date	3/17/2005	samp_date	3/17/2005
lab_id	503077-006RE	lab_id	503077-006RE	lab_id	503077-001
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/L	units	UG/L	units	UG/L
Pct_Solids		Pct_Solids		Pct_Solids	
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	5	UJ	R
1,1,2,2-TETRACHLOROETHANE	5	UJ	R
1,1,2-TRICHLOROETHANE	5	UJ	R
1,1,2-TRICHLOROTRIFLUOROETHANE	5	UJ	R
1,1-DICHLOROETHANE	5	UJ	R
1,1-DICHLOROETHENE	5	UJ	R
1,2,4-TRICHLOROBENZENE	5	UJ	R
1,2-DIBROMO-3-CHLOROPROPANE	5	UJ	R
1,2-DIBROMOETHANE	5	UJ	R
1,2-DICHLOROBENZENE	5	UJ	R
1,2-DICHLOROETHANE	5	UJ	R
1,2-DICHLOROPROPANE	5	UJ	R
1,3-DICHLOROBENZENE	5	UJ	R
1,4-DICHLOROBENZENE	5	UJ	R
1,4-DIOXANE	100	UR	CR
2-BUTANONE	10	UJ	R
2-HEXANONE	10	UJ	R
4-METHYL-2-PENTANONE	10	UJ	R
ACETONE	10	UJ	R
BENZENE	5	UJ	R
BROMODICHLOROMETHANE	5	UJ	R
BROMOFORM	5	UJ	R
BROMOMETHANE	10	UJ	R
CARBON DISULFIDE	5	UJ	R
CARBON TETRACHLORIDE	5	UJ	R
CHLOROBENZENE	5	UJ	R
CHLORODIBROMOMETHANE	5	UJ	R
CHLOROETHANE	10	UJ	R
CHLOROFORM	5	UJ	R
CHLOROMETHANE	10	UJ	R
CIS-1,2-DICHLOROETHENE	5	UJ	R
CIS-1,3-DICHLOROPROPENE	5	UJ	R

Parameter	Result	Val Qual	Qual Code
CYCLOHEXANE	5	UJ	R
DICHLORODIFLUOROMETHANE	5	UJ	R
ETHYLBENZENE	5	UJ	R
ISOPROPYLBENZENE	5	UJ	R
M+P-XYLENES	5	UJ	R
METHYL ACETATE	5	UJ	R
METHYL CYCLOHEXANE	5	UJ	R
METHYL TERT-BUTYL ETHER	5	UJ	R
METHYLENE CHLORIDE	10	UJ	R
O-XYLENE	5	UJ	R
STYRENE	5	UJ	R
TETRACHLOROETHENE	5	UJ	R
TOLUENE	5	UJ	R
TRANS-1,2-DICHLOROETHENE	5	UJ	R
TRANS-1,3-DICHLOROPROPENE	5	UJ	R
TRICHLOROETHENE	5	UJ	R
TRICHLOROFLUOROMETHANE	5	UJ	R
VINYL CHLORIDE	10	UJ	R

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	5	U	
1,1,2,2-TETRACHLOROETHANE	5	U	
1,1,2-TRICHLOROETHANE	5	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	5	U	
1,1-DICHLOROETHANE	5	U	
1,1-DICHLOROETHENE	5	U	
1,2,4-TRICHLOROBENZENE	5	U	
1,2-DIBROMO-3-CHLOROPROPANE	5	U	
1,2-DIBROMOETHANE	5	U	
1,2-DICHLOROBENZENE	5	U	
1,2-DICHLOROETHANE	5	U	
1,2-DICHLOROPROPANE	5	U	
1,3-DICHLOROBENZENE	5	U	
1,4-DICHLOROBENZENE	5	U	
1,4-DIOXANE	100	UR	C
2-BUTANONE	10	U	
2-HEXANONE	10	U	
4-METHYL-2-PENTANONE	10	U	
ACETONE	10	U	
BENZENE	5	U	
BROMODICHLOROMETHANE	5	U	
BROMOFORM	5	U	
BROMOMETHANE	10	U	
CARBON DISULFIDE	5	U	
CARBON TETRACHLORIDE	5	U	
CHLOROBENZENE	5	U	
CHLORODIBROMOMETHANE	5	U	
CHLOROETHANE	10	U	
CHLOROFORM	5	U	
CHLOROMETHANE	10	U	
CIS-1,2-DICHLOROETHENE	5	U	
CIS-1,3-DICHLOROPROPENE	5	U	

PROJ_NO: 00076

SDG: 503077 MEDIA: WATER DATA FRACTION: OV

nsample	TB031705
samp_date	3/17/2005
lab_id	503077-001
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
CYCLOHEXANE	5	U	
DICHLORODIFLUOROMETHANE	5	U	
ETHYLBENZENE	5	U	
ISOPROPYLBENZENE	5	U	
M+P-XYLENES	5	U	
METHYL ACETATE	5	U	
METHYL CYCLOHEXANE	5	U	
METHYL TERT-BUTYL ETHER	5	U	
METHYLENE CHLORIDE	10	U	
O-XYLENE	5	U	
STYRENE	5	U	
TETRACHLOROETHENE	5	U	
TOLUENE	5	U	
TRANS-1,2-DICHLOROETHENE	5	U	
TRANS-1,3-DICHLOROPROPENE	5	U	
TRICHLOROETHENE	5	U	
TRICHLOROFLUOROMETHANE	5	U	
VINYL CHLORIDE	10	U	

PROJ_NO: 00076

SDG: 503077 MEDIA: SOIL DATA FRACTION: OV

nsample	SD-04-031705	nsample	SD-04-031705	nsample	SD-1-031705
samp_date	3/17/2005	samp_date	3/17/2005	samp_date	3/17/2005
lab_id	503077-018	lab_id	503077-018	lab_id	503077-016
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids		Pct_Solids		Pct_Solids	
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	6.9	U	
1,1,2,2-TETRACHLOROETHANE	6.9	U	
1,1,2-TRICHLOROETHANE	6.9	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	6.9	U	
1,1-DICHLOROETHANE	6.9	U	
1,1-DICHLOROETHENE	6.9	U	
1,2,4-TRICHLOROBENZENE	6.9	U	
1,2-DIBROMO-3-CHLOROPROPANE	6.9	U	
1,2-DIBROMOETHANE	6.9	U	
1,2-DICHLOROBENZENE	6.9	U	
1,2-DICHLOROETHANE	6.9	U	
1,2-DICHLOROPROPANE	6.9	U	
1,3-DICHLOROBENZENE	6.9	U	
1,4-DICHLOROBENZENE	6.9	U	
2-BUTANONE	14	U	
2-HEXANONE	14	U	
4-METHYL-2-PENTANONE	14	U	
ACETONE	14	U	
BENZENE	6.9	U	
BROMODICHLOROMETHANE	6.9	U	
BROMOFORM	6.9	U	
BROMOMETHANE	14	U	
CARBON DISULFIDE	6.9	U	
CARBON TETRACHLORIDE	6.9	U	
CHLOROBENZENE	6.9	U	
CHLORODIBROMOMETHANE	6.9	U	
CHLOROETHANE	14	U	
CHLOROFORM	6.9	U	
CHLOROMETHANE	14	U	
CIS-1,2-DICHLOROETHENE	6.9	U	
CIS-1,3-DICHLOROPROPENE	6.9	U	
CYCLOHEXANE	6.9	U	

Parameter	Result	Val Qual	Qual Code
DICHLORODIFLUOROMETHANE	6.9	U	
ETHYLBENZENE	6.9	U	
ISOPROPYLBENZENE	6.9	U	
M+P-XYLENES	6.9	U	
METHYL ACETATE	6.9	U	
METHYL CYCLOHEXANE	6.9	U	
METHYL TERT-BUTYL ETHER	6.9	U	
METHYLENE CHLORIDE	14	U	
O-XYLENE	6.9	U	
STYRENE	6.9	U	
TETRACHLOROETHENE	6.9	U	
TOLUENE	6.9	U	
TRANS-1,2-DICHLOROETHENE	6.9	U	
TRANS-1,3-DICHLOROPROPENE	6.9	U	
TRICHLOROETHENE	6.9	U	
TRICHLOROFLUOROMETHANE	6.9	U	
VINYL CHLORIDE	14	U	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	6.1	U	
1,1,2,2-TETRACHLOROETHANE	6.1	U	
1,1,2-TRICHLOROETHANE	6.1	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	6.1	U	
1,1-DICHLOROETHANE	6.1	U	
1,1-DICHLOROETHENE	6.1	U	
1,2,4-TRICHLOROBENZENE	6.1	U	
1,2-DIBROMO-3-CHLOROPROPANE	6.1	U	
1,2-DIBROMOETHANE	6.1	U	
1,2-DICHLOROBENZENE	6.1	U	
1,2-DICHLOROETHANE	6.1	U	
1,2-DICHLOROPROPANE	6.1	U	
1,3-DICHLOROBENZENE	6.1	U	
1,4-DICHLOROBENZENE	6.1	U	
2-BUTANONE	12	U	
2-HEXANONE	12	U	
4-METHYL-2-PENTANONE	12	U	
ACETONE	12	J	ACP
BENZENE	6.1	U	
BROMODICHLOROMETHANE	6.1	U	
BROMOFORM	6.1	U	
BROMOMETHANE	12	U	
CARBON DISULFIDE	6.1	U	
CARBON TETRACHLORIDE	6.1	U	
CHLOROBENZENE	6.1	U	
CHLORODIBROMOMETHANE	6.1	U	
CHLOROETHANE	12	U	
CHLOROFORM	6.1	U	
CHLOROMETHANE	12	U	
CIS-1,2-DICHLOROETHENE	6.1	U	
CIS-1,3-DICHLOROPROPENE	6.1	U	
CYCLOHEXANE	6.1	U	

PROJ_NO: 00076

SDG: 503077 MEDIA: SOIL DATA FRACTION: OV

nsample	SD-1-031705
samp_date	3/17/2005
lab_id	503077-016
qc_type	NM
units	UG/KG
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
DICHLORODIFLUOROMETHANE	6.1	U	
ETHYLBENZENE	6.1	U	
ISOPROPYLBENZENE	6.1	U	
M+P-XYLENES	6.1	U	
METHYL ACETATE	6.1	U	
METHYL CYCLOHEXANE	6.1	U	
METHYL TERT-BUTYL ETHER	6.1	U	
METHYLENE CHLORIDE	12	U	
O-XYLENE	6.1	U	
STYRENE	6.1	U	
TETRACHLOROETHENE	6.1	U	
TOLUENE	6.1	U	
TRANS-1,2-DICHLOROETHENE	6.1	U	
TRANS-1,3-DICHLOROPROPENE	6.1	U	
TRICHLOROETHENE	6.1	U	
TRICHLOROFLUOROMETHANE	6.1	U	
VINYL CHLORIDE	12	U	

nsample	SD-3-031705
samp_date	3/17/2005
lab_id	503077-017
qc_type	NM
units	UG/KG
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	5.9	U	
1,1,2,2-TETRACHLOROETHANE	5.9	U	
1,1,2-TRICHLOROETHANE	5.9	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	5.9	U	
1,1-DICHLOROETHANE	5.9	U	
1,1-DICHLOROETHENE	5.9	U	
1,2,4-TRICHLOROBENZENE	5.9	U	
1,2-DIBROMO-3-CHLOROPROPANE	5.9	U	
1,2-DIBROMOETHANE	5.9	U	
1,2-DICHLOROBENZENE	5.9	U	
1,2-DICHLOROETHANE	5.9	U	
1,2-DICHLOROPROPANE	5.9	U	
1,3-DICHLOROBENZENE	5.9	U	
1,4-DICHLOROBENZENE	5.9	U	
2-BUTANONE	12	U	
2-HEXANONE	12	U	
4-METHYL-2-PENTANONE	12	U	
ACETONE	7.1	J	AP
BENZENE	5.9	U	
BROMODICHLOROMETHANE	5.9	U	
BROMOFORM	5.9	U	
BROMOMETHANE	12	U	
CARBON DISULFIDE	5.9	U	
CARBON TETRACHLORIDE	5.9	U	
CHLOROBENZENE	5.9	U	
CHLORODIBROMOMETHANE	5.9	U	
CHLOROETHANE	12	U	
CHLOROFORM	5.9	U	
CHLOROMETHANE	12	U	
CIS-1,2-DICHLOROETHENE	5.9	U	
CIS-1,3-DICHLOROPROPENE	5.9	U	
CYCLOHEXANE	5.9	U	

nsample	SD-3-031705
samp_date	3/17/2005
lab_id	503077-017
qc_type	NM
units	UG/KG
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
DICHLORODIFLUOROMETHANE	5.9	U	
ETHYLBENZENE	5.9	U	
ISOPROPYLBENZENE	5.9	U	
M+P-XYLENES	5.9	U	
METHYL ACETATE	5.9	U	
METHYL CYCLOHEXANE	5.9	U	
METHYL TERT-BUTYL ETHER	5.9	U	
METHYLENE CHLORIDE	12	U	
O-XYLENE	5.9	U	
STYRENE	5.9	U	
TETRACHLOROETHENE	5.9	U	
TOLUENE	5.9	U	
TRANS-1,2-DICHLOROETHENE	5.9	U	
TRANS-1,3-DICHLOROPROPENE	5.9	U	
TRICHLOROETHENE	5.9	U	
TRICHLOROFLUOROMETHANE	5.9	U	
VINYL CHLORIDE	12	U	

PROJ_NO: 00076

SDG: 503077 MEDIA: WATER DATA FRACTION: OS

nsample	SW-1-031705
samp_date	3/17/2005
lab_id	503077-002
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	11	U	
1,2-DICHLOROBENZENE	11	U	
1,2-DIPHENYLHYDRAZINE	11	U	
1,3-DICHLOROBENZENE	11	U	
1,4-DICHLOROBENZENE	11	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	11	U	
2,4,5-TRICHLOROPHENOL	11	U	
2,4,6-TRICHLOROPHENOL	11	U	
2,4-DICHLOROPHENOL	11	U	
2,4-DIMETHYLPHENOL	11	U	
2,4-DINITROPHENOL	21	U	
2,4-DINITROTOLUENE	11	U	
2,6-DINITROTOLUENE	11	U	
2-CHLORONAPHTHALENE	11	U	
2-CHLOROPHENOL	11	U	
2-METHYLNAPHTHALENE	11	U	
2-METHYLPHENOL	11	U	
2-NITROANILINE	11	U	
2-NITROPHENOL	11	U	
3,3'-DICHLOROBENZIDINE	21	U	
3-NITROANILINE	11	U	
4,6-DINITRO-2-METHYLPHENOL	21	U	
4-BROMOPHENYL PHENYL ETHER	11	U	
4-CHLORO-3-METHYLPHENOL	11	U	
4-CHLOROANILINE	11	U	
4-CHLOROPHENYL PHENYL ETHER	11	U	
4-METHYLPHENOL	11	U	
4-NITROANILINE	11	U	
4-NITROPHENOL	21	U	
ACENAPHTHENE	11	U	
ACENAPHTHYLENE	11	U	
ANILINE	11	U	

nsample	SW-1-031705
samp_date	3/17/2005
lab_id	503077-002
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANTHRACENE	11	U	
BENZIDINE	11	U	
BENZO(A)ANTHRACENE	11	U	
BENZO(A)PYRENE	11	U	
BENZO(B)FLUORANTHENE	11	U	
BENZO(G,H,I)PERYLENE	11	U	
BENZO(K)FLUORANTHENE	11	U	
BENZOIC ACID	21	U	
BENZYL ALCOHOL	11	U	
BIS(2-CHLOROETHOXY)METHANE	11	U	
BIS(2-CHLOROETHYL)ETHER	11	U	
BIS(2-ETHYLHEXYL)PHTHALATE	1.4	J	CP
BUTYL BENZYL PHTHALATE	11	U	
CARBAZOLE	11	U	
CHRYSENE	11	U	
DIBENZO(A,H)ANTHRACENE	11	U	
DIBENZOFURAN	11	U	
DIETHYL PHTHALATE	11	U	
DIMETHYL PHTHALATE	11	U	
DI-N-BUTYL PHTHALATE	11	U	
DI-N-OCTYL PHTHALATE	11	U	
FLUORANTHENE	11	U	
FLUORENE	11	U	
HEXACHLOROBENZENE	11	U	
HEXACHLOROBUTADIENE	11	U	
HEXACHLOROCYCLOPENTADIENE	11	U	
HEXACHLOROETHANE	11	U	
INDENO(1,2,3-CD)PYRENE	11	U	
ISOPHORONE	11	U	
NAPHTHALENE	11	U	
NITROBENZENE	11	U	
N-NITROSODIMETHYLAMINE	11	U	

nsample	SW-1-031705
samp_date	3/17/2005
lab_id	503077-002
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
N-NITROSO-DI-N-PROPYLAMINE	11	U	
N-NITROSODIPHENYLAMINE	11	U	
PENTACHLOROPHENOL	21	U	
PHENANTHRENE	11	U	
PHENOL	11	U	
PYRENE	11	U	
PYRIDINE	11	U	

PROJ_NO: 00076

SDG: 503077 MEDIA: WATER DATA FRACTION: OS

nsample	SW-2-031705
samp_date	3/17/2005
lab_id	503077-004
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	11	U	
1,2-DICHLOROBENZENE	11	U	
1,2-DIPHENYLHYDRAZINE	11	U	
1,3-DICHLOROBENZENE	11	U	
1,4-DICHLOROBENZENE	11	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	11	U	
2,4,5-TRICHLOROPHENOL	11	U	
2,4,6-TRICHLOROPHENOL	11	U	
2,4-DICHLOROPHENOL	11	U	
2,4-DIMETHYLPHENOL	11	U	
2,4-DINITROPHENOL	21	U	
2,4-DINITROTOLUENE	11	U	
2,6-DINITROTOLUENE	11	U	
2-CHLORONAPHTHALENE	11	U	
2-CHLOROPHENOL	11	U	
2-METHYLNAPHTHALENE	11	U	
2-METHYLPHENOL	11	U	
2-NITROANILINE	11	U	
2-NITROPHENOL	11	U	
3,3'-DICHLOROBENZIDINE	21	U	
3-NITROANILINE	11	U	
4,6-DINITRO-2-METHYLPHENOL	21	U	
4-BROMOPHENYL PHENYL ETHER	11	U	
4-CHLORO-3-METHYLPHENOL	11	U	
4-CHLOROANILINE	11	U	
4-CHLOROPHENYL PHENYL ETHER	11	U	
4-METHYLPHENOL	11	U	
4-NITROANILINE	11	U	
4-NITROPHENOL	21	U	
ACENAPHTHENE	11	U	
ACENAPHTHYLENE	11	U	
ANILINE	11	U	

nsample	SW-2-031705
samp_date	3/17/2005
lab_id	503077-004
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANTHRACENE	11	U	
BENZIDINE	11	U	
BENZO(A)ANTHRACENE	11	U	
BENZO(A)PYRENE	11	U	
BENZO(B)FLUORANTHENE	11	U	
BENZO(G,H,I)PERYLENE	11	U	
BENZO(K)FLUORANTHENE	11	U	
BENZOIC ACID	21	U	
BENZYL ALCOHOL	11	U	
BIS(2-CHLOROETHOXY)METHANE	11	U	
BIS(2-CHLOROETHYL)ETHER	11	U	
BIS(2-ETHYLHEXYL)PHTHALATE	2.6	J	CP
BUTYL BENZYL PHTHALATE	11	U	
CARBAZOLE	11	U	
CHRYSENE	11	U	
DIBENZO(A,H)ANTHRACENE	11	U	
DIBENZOFURAN	11	U	
DIETHYL PHTHALATE	11	U	
DIMETHYL PHTHALATE	11	U	
DI-N-BUTYL PHTHALATE	11	U	
DI-N-OCTYL PHTHALATE	11	U	
FLUORANTHENE	11	U	
FLUORENE	11	U	
HEXACHLOROBENZENE	11	U	
HEXACHLOROBUTADIENE	11	U	
HEXACHLOROCYCLOPENTADIENE	11	U	
HEXACHLOROETHANE	11	U	
INDENO(1,2,3-CD)PYRENE	11	U	
ISOPHORONE	11	U	
NAPHTHALENE	11	U	
NITROBENZENE	11	U	
N-NITROSODIMETHYLAMINE	11	U	

nsample	SW-2-031705
samp_date	3/17/2005
lab_id	503077-004
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
N-NITROSO-DI-N-PROPYLAMINE	11	U	
N-NITROSODIPHENYLAMINE	11	U	
PENTACHLOROPHENOL	21	U	
PHENANTHRENE	11	U	
PHENOL	11	U	
PYRENE	11	U	
PYRIDINE	11	U	

PROJ_NO: 00076

SDG: 503077 MEDIA: WATER DATA FRACTION: OS

nsample	SW-3-031705
samp_date	3/17/2005
lab_id	503077-014
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	10	U	
1,2-DICHLOROBENZENE	10	U	
1,2-DIPHENYLHYDRAZINE	10	U	
1,3-DICHLOROBENZENE	10	U	
1,4-DICHLOROBENZENE	10	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	10	U	
2,4,5-TRICHLOROPHENOL	10	U	
2,4,6-TRICHLOROPHENOL	10	U	
2,4-DICHLOROPHENOL	10	U	
2,4-DIMETHYLPHENOL	10	U	
2,4-DINITROPHENOL	21	U	
2,4-DINITROTOLUENE	10	U	
2,6-DINITROTOLUENE	10	U	
2-CHLORONAPHTHALENE	10	U	
2-CHLOROPHENOL	10	U	
2-METHYLNAPHTHALENE	10	U	
2-METHYLPHENOL	10	U	
2-NITROANILINE	10	U	
2-NITROPHENOL	10	U	
3,3'-DICHLOROBENZIDINE	21	U	
3-NITROANILINE	10	U	
4,6-DINITRO-2-METHYLPHENOL	21	U	
4-BROMOPHENYL PHENYL ETHER	10	U	
4-CHLORO-3-METHYLPHENOL	10	U	
4-CHLOROANILINE	10	U	
4-CHLOROPHENYL PHENYL ETHER	10	U	
4-METHYLPHENOL	10	U	
4-NITROANILINE	10	U	
4-NITROPHENOL	21	U	
ACENAPHTHENE	10	U	
ACENAPHTHYLENE	10	U	
ANILINE	10	U	

nsample	SW-3-031705
samp_date	3/17/2005
lab_id	503077-014
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANTHRACENE	10	U	
BENZIDINE	10	U	
BENZO(A)ANTHRACENE	10	U	
BENZO(A)PYRENE	10	U	
BENZO(B)FLUORANTHENE	10	U	
BENZO(G,H,I)PERYLENE	10	U	
BENZO(K)FLUORANTHENE	10	U	
BENZOIC ACID	21	U	
BENZYL ALCOHOL	10	U	
BIS(2-CHLOROETHOXY)METHANE	10	U	
BIS(2-CHLOROETHYL)ETHER	10	U	
BIS(2-ETHYLHEXYL)PHTHALATE	3.5	J	CP
BUTYL BENZYL PHTHALATE	10	U	
CARBAZOLE	10	U	
CHRYSENE	10	U	
DIBENZO(A,H)ANTHRACENE	10	U	
DIBENZOFURAN	10	U	
DIETHYL PHTHALATE	10	U	
DIMETHYL PHTHALATE	10	U	
DI-N-BUTYL PHTHALATE	1.5	J	P
DI-N-OCTYL PHTHALATE	10	U	
FLUORANTHENE	10	U	
FLUORENE	10	U	
HEXACHLOROBENZENE	10	U	
HEXACHLOROBUTADIENE	10	U	
HEXACHLOROCYCLOPENTADIENE	10	U	
HEXACHLOROETHANE	10	U	
INDENO(1,2,3-CD)PYRENE	10	U	
ISOPHORONE	10	U	
NAPHTHALENE	10	U	
NITROBENZENE	10	U	
N-NITROSODIMETHYLAMINE	10	U	

nsample	SW-3-031705
samp_date	3/17/2005
lab_id	503077-014
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
N-NITROSO-DI-N-PROPYLAMINE	10	U	
N-NITROSODIPHENYLAMINE	10	U	
PENTACHLOROPHENOL	21	U	
PHENANTHRENE	10	U	
PHENOL	10	U	
PYRENE	10	U	
PYRIDINE	10	U	

PROJ_NO: 00076

SDG: 503077 MEDIA: WATER DATA FRACTION: OS

nsample	SW-4-031705	nsample	SW-4-031705	nsample	SW-4-031705
samp_date	3/17/2005	samp_date	3/17/2005	samp_date	3/17/2005
lab_id	503077-012	lab_id	503077-012	lab_id	503077-012
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/L	units	UG/L	units	UG/L
Pct_Solids		Pct_Solids		Pct_Solids	
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	10	U	
1,2-DICHLOROBENZENE	10	U	
1,2-DIPHENYLHYDRAZINE	10	U	
1,3-DICHLOROBENZENE	10	U	
1,4-DICHLOROBENZENE	10	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	10	U	
2,4,5-TRICHLOROPHENOL	10	U	
2,4,6-TRICHLOROPHENOL	10	U	
2,4-DICHLOROPHENOL	10	U	
2,4-DIMETHYLPHENOL	10	U	
2,4-DINITROPHENOL	21	U	
2,4-DINITROTOLUENE	10	U	
2,6-DINITROTOLUENE	10	U	
2-CHLORONAPHTHALENE	10	U	
2-CHLOROPHENOL	10	U	
2-METHYLNAPHTHALENE	10	U	
2-METHYLPHENOL	10	U	
2-NITROANILINE	10	U	
2-NITROPHENOL	10	U	
3,3'-DICHLOROBENZIDINE	21	U	
3-NITROANILINE	10	U	
4,6-DINITRO-2-METHYLPHENOL	21	U	
4-BROMOPHENYL PHENYL ETHER	10	U	
4-CHLORO-3-METHYLPHENOL	10	U	
4-CHLOROANILINE	10	U	
4-CHLOROPHENYL PHENYL ETHER	10	U	
4-METHYLPHENOL	10	U	
4-NITROANILINE	10	U	
4-NITROPHENOL	21	U	
ACENAPHTHENE	10	U	
ACENAPHTHYLENE	10	U	
ANILINE	10	U	

Parameter	Result	Val Qual	Qual Code
ANTHRACENE	10	U	
BENZIDINE	10	U	
BENZO(A)ANTHRACENE	10	U	
BENZO(A)PYRENE	10	U	
BENZO(B)FLUORANTHENE	10	U	
BENZO(G,H,I)PERYLENE	10	U	
BENZO(K)FLUORANTHENE	10	U	
BENZOIC ACID	21	U	
BENZYL ALCOHOL	10	U	
BIS(2-CHLOROETHOXY)METHANE	10	U	
BIS(2-CHLOROETHYL)ETHER	10	U	
BIS(2-ETHYLHEXYL)PHTHALATE	1.5	J	CP
BUTYL BENZYL PHTHALATE	10	U	
CARBAZOLE	10	U	
CHRYSENE	10	U	
DIBENZO(A,H)ANTHRACENE	10	U	
DIBENZOFURAN	10	U	
DIETHYL PHTHALATE	10	U	
DIMETHYL PHTHALATE	10	U	
DI-N-BUTYL PHTHALATE	10	U	
DI-N-OCTYL PHTHALATE	10	U	
FLUORANTHENE	10	U	
FLUORENE	10	U	
HEXACHLOROBENZENE	10	U	
HEXACHLOROBUTADIENE	10	U	
HEXACHLOROCYCLOPENTADIENE	10	U	
HEXACHLOROETHANE	10	U	
INDENO(1,2,3-CD)PYRENE	10	U	
ISOPHORONE	10	U	
NAPHTHALENE	10	U	
NITROBENZENE	10	U	
N-NITROSODIMETHYLAMINE	10	U	

Parameter	Result	Val Qual	Qual Code
N-NITROSO-DI-N-PROPYLAMINE	10	U	
N-NITROSODIPHENYLAMINE	10	U	
PENTACHLOROPHENOL	21	U	
PHENANTHRENE	10	U	
PHENOL	10	U	
PYRENE	10	U	
PYRIDINE	10	U	

PROJ_NO: 00076

SDG: 503077 MEDIA: WATER DATA FRACTION: OS

nsample	SW-5-031705	nsample	SW-5-031705	nsample	SW-5-031705
samp_date	3/17/2005	samp_date	3/17/2005	samp_date	3/17/2005
lab_id	503077-010	lab_id	503077-010	lab_id	503077-010
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/L	units	UG/L	units	UG/L
Pct_Solids		Pct_Solids		Pct_Solids	
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	11	U	
1,2-DICHLOROBENZENE	11	U	
1,2-DIPHENYLHYDRAZINE	11	U	
1,3-DICHLOROBENZENE	11	U	
1,4-DICHLOROBENZENE	11	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	11	U	
2,4,5-TRICHLOROPHENOL	11	U	
2,4,6-TRICHLOROPHENOL	11	U	
2,4-DICHLOROPHENOL	11	U	
2,4-DIMETHYLPHENOL	11	U	
2,4-DINITROPHENOL	21	U	
2,4-DINITROTOLUENE	11	U	
2,6-DINITROTOLUENE	11	U	
2-CHLORONAPHTHALENE	11	U	
2-CHLOROPHENOL	11	U	
2-METHYLNAPHTHALENE	11	U	
2-METHYLPHENOL	11	U	
2-NITROANILINE	11	U	
2-NITROPHENOL	11	U	
3,3'-DICHLOROBENZIDINE	21	U	
3-NITROANILINE	11	U	
4,6-DINITRO-2-METHYLPHENOL	21	U	
4-BROMOPHENYL PHENYL ETHER	11	U	
4-CHLORO-3-METHYLPHENOL	11	U	
4-CHLOROANILINE	11	U	
4-CHLOROPHENYL PHENYL ETHER	11	U	
4-METHYLPHENOL	11	U	
4-NITROANILINE	11	U	
4-NITROPHENOL	21	U	
ACENAPHTHENE	11	U	
ACENAPHTHYLENE	11	U	
ANILINE	11	U	

Parameter	Result	Val Qual	Qual Code
ANTHRACENE	11	U	
BENZIDINE	11	U	
BENZO(A)ANTHRACENE	11	U	
BENZO(A)PYRENE	11	U	
BENZO(B)FLUORANTHENE	11	U	
BENZO(G,H,I)PERYLENE	11	U	
BENZO(K)FLUORANTHENE	11	U	
BENZOIC ACID	21	U	
BENZYL ALCOHOL	11	U	
BIS(2-CHLOROETHOXY)METHANE	11	U	
BIS(2-CHLOROETHYL)ETHER	11	U	
BIS(2-ETHYLHEXYL)PHTHALATE	3.8	J	CP
BUTYL BENZYL PHTHALATE	11	U	
CARBAZOLE	11	U	
CHRYSENE	11	U	
DIBENZO(A,H)ANTHRACENE	11	U	
DIBENZOFURAN	11	U	
DIETHYL PHTHALATE	11	U	
DIMETHYL PHTHALATE	11	U	
DI-N-BUTYL PHTHALATE	11	U	
DI-N-OCTYL PHTHALATE	11	U	
FLUORANTHENE	11	U	
FLUORENE	11	U	
HEXACHLOROBENZENE	11	U	
HEXACHLOROBUTADIENE	11	U	
HEXACHLOROCYCLOPENTADIENE	11	U	
HEXACHLOROETHANE	11	U	
INDENO(1,2,3-CD)PYRENE	11	U	
ISOPHORONE	11	U	
NAPHTHALENE	11	U	
NITROBENZENE	11	U	
N-NITROSODIMETHYLAMINE	11	U	

Parameter	Result	Val Qual	Qual Code
N-NITROSO-DI-N-PROPYLAMINE	11	U	
N-NITROSODIPHENYLAMINE	11	U	
PENTACHLOROPHENOL	21	U	
PHENANTHRENE	11	U	
PHENOL	11	U	
PYRENE	11	U	
PYRIDINE	11	U	

PROJ_NO: 00076

SDG: 503077 MEDIA: WATER DATA FRACTION: OS

nsample	SW-6-031705
samp_date	3/17/2005
lab_id	503077-008
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	11	U	
1,2-DICHLOROBENZENE	11	U	
1,2-DIPHENYLHYDRAZINE	11	U	
1,3-DICHLOROBENZENE	11	U	
1,4-DICHLOROBENZENE	11	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	11	U	
2,4,5-TRICHLOROPHENOL	11	U	
2,4,6-TRICHLOROPHENOL	11	U	
2,4-DICHLOROPHENOL	11	U	
2,4-DIMETHYLPHENOL	11	U	
2,4-DINITROPHENOL	21	U	
2,4-DINITROTOLUENE	11	U	
2,6-DINITROTOLUENE	11	U	
2-CHLORONAPHTHALENE	11	U	
2-CHLOROPHENOL	11	U	
2-METHYLNAPHTHALENE	11	U	
2-METHYLPHENOL	11	U	
2-NITROANILINE	11	U	
2-NITROPHENOL	11	U	
3,3'-DICHLOROBENZIDINE	21	U	
3-NITROANILINE	11	U	
4,6-DINITRO-2-METHYLPHENOL	21	U	
4-BROMOPHENYL PHENYL ETHER	11	U	
4-CHLORO-3-METHYLPHENOL	11	U	
4-CHLOROANILINE	11	U	
4-CHLOROPHENYL PHENYL ETHER	11	U	
4-METHYLPHENOL	11	U	
4-NITROANILINE	11	U	
4-NITROPHENOL	21	U	
ACENAPHTHENE	11	U	
ACENAPHTHYLENE	11	U	
ANILINE	11	U	

nsample	SW-6-031705
samp_date	3/17/2005
lab_id	503077-008
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANTHRACENE	11	U	
BENZIDINE	11	U	
BENZO(A)ANTHRACENE	11	U	
BENZO(A)PYRENE	11	U	
BENZO(B)FLUORANTHENE	11	U	
BENZO(G,H,I)PERYLENE	11	U	
BENZO(K)FLUORANTHENE	11	U	
BENZOIC ACID	21	U	
BENZYL ALCOHOL	11	U	
BIS(2-CHLOROETHOXY)METHANE	11	U	
BIS(2-CHLOROETHYL)ETHER	11	U	
BIS(2-ETHYLHEXYL)PHTHALATE	6.9	J	CP
BUTYL BENZYL PHTHALATE	11	U	
CARBAZOLE	11	U	
CHRYSENE	11	U	
DIBENZO(A,H)ANTHRACENE	11	U	
DIBENZOFURAN	11	U	
DIETHYL PHTHALATE	11	U	
DIMETHYL PHTHALATE	11	U	
DI-N-BUTYL PHTHALATE	2.5	J	P
DI-N-OCTYL PHTHALATE	11	U	
FLUORANTHENE	11	U	
FLUORENE	11	U	
HEXACHLOROBENZENE	11	U	
HEXACHLOROBUTADIENE	11	U	
HEXACHLOROCYCLOPENTADIENE	11	U	
HEXACHLOROETHANE	11	U	
INDENO(1,2,3-CD)PYRENE	11	U	
ISOPHORONE	11	U	
NAPHTHALENE	11	U	
NITROBENZENE	11	U	
N-NITROSODIMETHYLAMINE	11	U	

nsample	SW-6-031705
samp_date	3/17/2005
lab_id	503077-008
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
N-NITROSO-DI-N-PROPYLAMINE	11	U	
N-NITROSODIPHENYLAMINE	11	U	
PENTACHLOROPHENOL	21	U	
PHENANTHRENE	11	U	
PHENOL	11	U	
PYRENE	11	U	
PYRIDINE	11	U	

PROJ_NO: 00076

SDG: 503077 MEDIA: WATER DATA FRACTION: OS

nsample	SW-7-031705
samp_date	3/17/2005
lab_id	503077-006
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	11	U	
1,2-DICHLOROBENZENE	11	U	
1,2-DIPHENYLHYDRAZINE	11	U	
1,3-DICHLOROBENZENE	11	U	
1,4-DICHLOROBENZENE	11	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	11	U	
2,4,5-TRICHLOROPHENOL	11	U	
2,4,6-TRICHLOROPHENOL	11	U	
2,4-DICHLOROPHENOL	11	U	
2,4-DIMETHYLPHENOL	11	U	
2,4-DINITROPHENOL	21	U	
2,4-DINITROTOLUENE	11	U	
2,6-DINITROTOLUENE	11	U	
2-CHLORONAPHTHALENE	11	U	
2-CHLOROPHENOL	11	U	
2-METHYLNAPHTHALENE	11	U	
2-METHYLPHENOL	11	U	
2-NITROANILINE	11	U	
2-NITROPHENOL	11	U	
3,3'-DICHLOROBENZIDINE	21	U	
3-NITROANILINE	11	U	
4,6-DINITRO-2-METHYLPHENOL	21	U	
4-BROMOPHENYL PHENYL ETHER	11	U	
4-CHLORO-3-METHYLPHENOL	11	U	
4-CHLOROANILINE	11	U	
4-CHLOROPHENYL PHENYL ETHER	11	U	
4-METHYLPHENOL	11	U	
4-NITROANILINE	11	U	
4-NITROPHENOL	21	U	
ACENAPHTHENE	11	U	
ACENAPHTHYLENE	11	U	
ANILINE	11	U	

nsample	SW-7-031705
samp_date	3/17/2005
lab_id	503077-006
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANTHRACENE	11	U	
BENZIDINE	11	U	
BENZO(A)ANTHRACENE	11	U	
BENZO(A)PYRENE	11	U	
BENZO(B)FLUORANTHENE	11	U	
BENZO(G,H,I)PERYLENE	11	U	
BENZO(K)FLUORANTHENE	11	U	
BENZOIC ACID	21	U	
BENZYL ALCOHOL	11	U	
BIS(2-CHLOROETHOXY)METHANE	11	U	
BIS(2-CHLOROETHYL)ETHER	11	U	
BIS(2-ETHYLHEXYL)PHTHALATE	3	J	CP
BUTYL BENZYL PHTHALATE	11	U	
CARBAZOLE	11	U	
CHRYSENE	11	U	
DIBENZO(A,H)ANTHRACENE	11	U	
DIBENZOFURAN	11	U	
DIETHYL PHTHALATE	11	U	
DIMETHYL PHTHALATE	11	U	
DI-N-BUTYL PHTHALATE	11	U	
DI-N-OCTYL PHTHALATE	11	U	
FLUORANTHENE	11	U	
FLUORENE	11	U	
HEXACHLOROBENZENE	11	U	
HEXACHLOROBUTADIENE	11	U	
HEXACHLOROCYCLOPENTADIENE	11	U	
HEXACHLOROETHANE	11	U	
INDENO(1,2,3-CD)PYRENE	11	U	
ISOPHORONE	11	U	
NAPHTHALENE	11	U	
NITROBENZENE	11	U	
N-NITROSODIMETHYLAMINE	11	U	

nsample	SW-7-031705
samp_date	3/17/2005
lab_id	503077-006
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
N-NITROSO-DI-N-PROPYLAMINE	11	U	
N-NITROSODIPHENYLAMINE	11	U	
PENTACHLOROPHENOL	21	U	
PHENANTHRENE	11	U	
PHENOL	11	U	
PYRENE	11	U	
PYRIDINE	11	U	

PROJ_NO: 00076

SDG: 503077 MEDIA: SOIL DATA FRACTION: OS

nsample	SD-04-031705
samp_date	3/17/2005
lab_id	503077-018
qc_type	NM
units	UG/KG
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	460	U	
1,2-DICHLOROBENZENE	460	U	
1,2-DIPHENYLHYDRAZINE	460	U	
1,3-DICHLOROBENZENE	460	U	
1,4-DICHLOROBENZENE	460	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	460	U	
2,4,5-TRICHLOROPHENOL	460	U	
2,4,6-TRICHLOROPHENOL	460	U	
2,4-DICHLOROPHENOL	460	U	
2,4-DIMETHYLPHENOL	460	U	
2,4-DINITROPHENOL	920	U	
2,4-DINITROTOLUENE	460	U	
2,6-DINITROTOLUENE	460	U	
2-CHLORONAPHTHALENE	460	U	
2-CHLOROPHENOL	460	U	
2-METHYLNAPHTHALENE	34	J	P
2-METHYLPHENOL	460	U	
2-NITROANILINE	460	U	
2-NITROPHENOL	460	U	
3,3'-DICHLOROBENZIDINE	920	U	
3-NITROANILINE	460	U	
4,6-DINITRO-2-METHYLPHENOL	920	U	
4-BROMOPHENYL PHENYL ETHER	460	U	
4-CHLORO-3-METHYLPHENOL	460	U	
4-CHLOROANILINE	460	U	
4-CHLOROPHENYL PHENYL ETHER	460	U	
4-METHYLPHENOL	460	U	
4-NITROANILINE	460	U	
4-NITROPHENOL	920	U	
ACENAPHTHENE	460	U	
ACENAPHTHYLENE	55	J	P
ANILINE	460	U	

nsample	SD-04-031705
samp_date	3/17/2005
lab_id	503077-018
qc_type	NM
units	UG/KG
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANTHRACENE	200	J	P
BENZIDINE	460	U	
BENZO(A)ANTHRACENE	750		
BENZO(A)PYRENE	630		
BENZO(B)FLUORANTHENE	710		
BENZO(G,H,I)PERYLENE	390	J	P
BENZO(K)FLUORANTHENE	270	J	P
BENZOIC ACID	920	U	
BENZYL ALCOHOL	460	U	
BIS(2-CHLOROETHOXY)METHANE	460	U	
BIS(2-CHLOROETHYL)ETHER	460	U	
BIS(2-ETHYLHEXYL)PHTHALATE	400	J	CP
BUTYL BENZYL PHTHALATE	460	U	
CARBAZOLE	460	U	
CHRYSENE	830		
DIBENZO(A,H)ANTHRACENE	460	U	
DIBENZOFURAN	460	U	
DIETHYL PHTHALATE	460	U	
DIMETHYL PHTHALATE	460	U	
DI-N-BUTYL PHTHALATE	460	U	
DI-N-OCTYL PHTHALATE	460	U	
FLUORANTHENE	1400		
FLUORENE	130	J	P
HEXACHLOROBENZENE	460	U	
HEXACHLOROBUTADIENE	460	U	
HEXACHLOROCYCLOPENTADIENE	460	U	
HEXACHLOROETHANE	460	U	
INDENO(1,2,3-CD)PYRENE	330	J	P
ISOPHORONE	460	U	
NAPHTHALENE	460	U	
NITROBENZENE	460	U	
N-NITROSODIMETHYLAMINE	460	U	

nsample	SD-04-031705
samp_date	3/17/2005
lab_id	503077-018
qc_type	NM
units	UG/KG
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
N-NITROSO-DI-N-PROPYLAMINE	460	U	
N-NITROSODIPHENYLAMINE	460	U	
PENTACHLOROPHENOL	920	U	
PHENANTHRENE	1400		
PHENOL	460	U	
PYRENE	1800		
PYRIDINE	460	U	

PROJ_NO: 00076

SDG: 503077 MEDIA: SOIL DATA FRACTION: OS

nsample	SD-1-031705
samp_date	3/17/2005
lab_id	503077-016
qc_type	NM
units	UG/KG
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	410	U	
1,2-DICHLOROBENZENE	410	U	
1,2-DIPHENYLHYDRAZINE	410	U	
1,3-DICHLOROBENZENE	410	U	
1,4-DICHLOROBENZENE	410	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	410	U	
2,4,5-TRICHLOROPHENOL	410	U	
2,4,6-TRICHLOROPHENOL	410	U	
2,4-DICHLOROPHENOL	410	U	
2,4-DIMETHYLPHENOL	410	U	
2,4-DINITROPHENOL	820	U	
2,4-DINITROTOLUENE	410	U	
2,6-DINITROTOLUENE	410	U	
2-CHLORONAPHTHALENE	410	U	
2-CHLOROPHENOL	410	U	
2-METHYLNAPHTHALENE	30	J	P
2-METHYLPHENOL	410	U	
2-NITROANILINE	410	U	
2-NITROPHENOL	410	U	
3,3'-DICHLOROBENZIDINE	820	U	
3-NITROANILINE	410	U	
4,6-DINITRO-2-METHYLPHENOL	820	U	
4-BROMOPHENYL PHENYL ETHER	410	U	
4-CHLORO-3-METHYLPHENOL	410	U	
4-CHLOROANILINE	410	U	
4-CHLOROPHENYL PHENYL ETHER	410	U	
4-METHYLPHENOL	410	U	
4-NITROANILINE	410	U	
4-NITROPHENOL	820	U	
ACENAPHTHENE	410	U	
ACENAPHTHYLENE	180	J	P
ANILINE	410	U	

nsample	SD-1-031705
samp_date	3/17/2005
lab_id	503077-016
qc_type	NM
units	UG/KG
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANTHRACENE	140	J	P
BENZIDINE	410	U	
BENZO(A)ANTHRACENE	650		
BENZO(A)PYRENE	530		
BENZO(B)FLUORANTHENE	800		
BENZO(G,H,I)PERYLENE	320	J	P
BENZO(K)FLUORANTHENE	190	J	P
BENZOIC ACID	820	U	
BENZYL ALCOHOL	410	U	
BIS(2-CHLOROETHOXY)METHANE	410	U	
BIS(2-CHLOROETHYL)ETHER	410	U	
BIS(2-ETHYLHEXYL)PHTHALATE	730	J	C
BUTYL BENZYL PHTHALATE	2500		
CARBAZOLE	410	U	
CHRYSENE	730		
DIBENZO(A,H)ANTHRACENE	410	U	
DIBENZOFURAN	410	U	
DIETHYL PHTHALATE	410	U	
DIMETHYL PHTHALATE	410	U	
DI-N-BUTYL PHTHALATE	410	U	
DI-N-OCTYL PHTHALATE	410	U	
FLUORANTHENE	1000		
FLUORENE	54	J	P
HEXACHLOROBENZENE	410	U	
HEXACHLOROBUTADIENE	410	U	
HEXACHLOROCYCLOPENTADIENE	410	U	
HEXACHLOROETHANE	410	U	
INDENO(1,2,3-CD)PYRENE	280	J	P
ISOPHORONE	410	U	
NAPHTHALENE	410	U	
NITROBENZENE	410	U	
N-NITROSODIMETHYLAMINE	410	U	

nsample	SD-1-031705
samp_date	3/17/2005
lab_id	503077-016
qc_type	NM
units	UG/KG
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
N-NITROSO-DI-N-PROPYLAMINE	410	U	
N-NITROSODIPHENYLAMINE	410	U	
PENTACHLOROPHENOL	820	U	
PHENANTHRENE	550		
PHENOL	410	U	
PYRENE	1200		
PYRIDINE	410	U	

PROJ_NO: 00076

SDG: 503077 MEDIA: SOIL DATA FRACTION: OS

nsample	SD-3-031705
samp_date	3/17/2005
lab_id	503077-017
qc_type	NM
units	UG/KG
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	390	U	
1,2-DICHLOROBENZENE	390	U	
1,2-DIPHENYLHYDRAZINE	390	U	
1,3-DICHLOROBENZENE	390	U	
1,4-DICHLOROBENZENE	390	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	390	U	
2,4,5-TRICHLOROPHENOL	390	U	
2,4,6-TRICHLOROPHENOL	390	U	
2,4-DICHLOROPHENOL	390	U	
2,4-DIMETHYLPHENOL	390	U	
2,4-DINITROPHENOL	790	U	
2,4-DINITROTOLUENE	390	U	
2,6-DINITROTOLUENE	390	U	
2-CHLORONAPHTHALENE	390	U	
2-CHLOROPHENOL	390	U	
2-METHYLNAPHTHALENE	390	U	
2-METHYLPHENOL	390	U	
2-NITROANILINE	390	U	
2-NITROPHENOL	390	U	
3,3'-DICHLOROBENZIDINE	790	U	
3-NITROANILINE	390	U	
4,6-DINITRO-2-METHYLPHENOL	790	U	
4-BROMOPHENYL PHENYL ETHER	390	U	
4-CHLORO-3-METHYLPHENOL	390	U	
4-CHLOROANILINE	390	U	
4-CHLOROPHENYL PHENYL ETHER	390	U	
4-METHYLPHENOL	390	U	
4-NITROANILINE	390	U	
4-NITROPHENOL	790	U	
ACENAPHTHENE	390	U	
ACENAPHTHYLENE	390	U	
ANILINE	390	U	

nsample	SD-3-031705
samp_date	3/17/2005
lab_id	503077-017
qc_type	NM
units	UG/KG
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANTHRACENE	100	J	P
BENZIDINE	390	U	
BENZO(A)ANTHRACENE	410		
BENZO(A)PYRENE	420		
BENZO(B)FLUORANTHENE	530		
BENZO(G,H,I)PERYLENE	300	J	P
BENZO(K)FLUORANTHENE	170	J	P
BENZOIC ACID	790	U	
BENZYL ALCOHOL	390	U	
BIS(2-CHLOROETHOXY)METHANE	390	U	
BIS(2-CHLOROETHYL)ETHER	390	U	
BIS(2-ETHYLHEXYL)PHTHALATE	370	J	CP
BUTYL BENZYL PHTHALATE	390	U	
CARBAZOLE	390	U	
CHRYSENE	450		
DIBENZO(A,H)ANTHRACENE	390	U	
DIBENZOFURAN	390	U	
DIETHYL PHTHALATE	390	U	
DIMETHYL PHTHALATE	390	U	
DI-N-BUTYL PHTHALATE	390	U	
DI-N-OCTYL PHTHALATE	390	U	
FLUORANTHENE	750		
FLUORENE	390	U	
HEXACHLOROBENZENE	390	U	
HEXACHLOROBUTADIENE	390	U	
HEXACHLOROCYCLOPENTADIENE	390	U	
HEXACHLOROETHANE	390	U	
INDENO(1,2,3-CD)PYRENE	250	J	P
ISOPHORONE	390	U	
NAPHTHALENE	390	U	
NITROBENZENE	390	U	
N-NITROSODIMETHYLAMINE	390	U	

nsample	SD-3-031705
samp_date	3/17/2005
lab_id	503077-017
qc_type	NM
units	UG/KG
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
N-NITROSO-DI-N-PROPYLAMINE	390	U	
N-NITROSODIPHENYLAMINE	390	U	
PENTACHLOROPHENOL	790	U	
PHENANTHRENE	450		
PHENOL	390	U	
PYRENE	880		
PYRIDINE	390	U	

PROJ_NO: 00076

SDG: 503077 MEDIA: WATER DATA FRACTION: PEST/PCB

nsample	SW-1-031705
samp_date	3/17/2005
lab_id	503077-002
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	1.1	U	
AROCLOR-1221	1.1	U	
AROCLOR-1232	1.1	U	
AROCLOR-1242	1.1	U	
AROCLOR-1248	1.1	U	
AROCLOR-1254	1.1	U	
AROCLOR-1260	1.1	U	

nsample	SW-2-031705
samp_date	3/17/2005
lab_id	503077-004
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	1.1	U	
AROCLOR-1221	1.1	U	
AROCLOR-1232	1.1	U	
AROCLOR-1242	1.1	U	
AROCLOR-1248	1.1	U	
AROCLOR-1254	1.1	U	
AROCLOR-1260	1.1	U	

nsample	SW-3-031705
samp_date	3/17/2005
lab_id	503077-014
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	1.1	U	
AROCLOR-1221	1.1	U	
AROCLOR-1232	1.1	U	
AROCLOR-1242	1.1	U	
AROCLOR-1248	1.1	U	
AROCLOR-1254	1.1	U	
AROCLOR-1260	1.1	U	

PROJ_NO: 00076

SDG: 503077 MEDIA: WATER DATA FRACTION: PEST/PCB

nsample	SW-4-031705	nsample	SW-5-031705	nsample	SW-6-031705
samp_date	3/17/2005	samp_date	3/17/2005	samp_date	3/17/2005
lab_id	503077-012	lab_id	503077-010	lab_id	503077-008
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/L	units	UG/L	units	UG/L
Pct_Solids		Pct_Solids		Pct_Solids	
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	1	U	
AROCLOR-1221	1	U	
AROCLOR-1232	1	U	
AROCLOR-1242	1	U	
AROCLOR-1248	1	U	
AROCLOR-1254	1	U	
AROCLOR-1260	1	U	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	1.1	U	
AROCLOR-1221	1.1	U	
AROCLOR-1232	1.1	U	
AROCLOR-1242	1.1	U	
AROCLOR-1248	1.1	U	
AROCLOR-1254	1.1	U	
AROCLOR-1260	1.1	U	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	1.1	U	
AROCLOR-1221	1.1	U	
AROCLOR-1232	1.1	U	
AROCLOR-1242	1.1	U	
AROCLOR-1248	1.1	U	
AROCLOR-1254	1.1	U	
AROCLOR-1260	1.1	U	

PROJ_NO: 00076

SDG: 503077 MEDIA: WATER DATA FRACTION: PEST/PCB

nsample	SW-7-031705
samp_date	3/17/2005
lab_id	503077-006
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	1.1	U	
AROCLOR-1221	1.1	U	
AROCLOR-1232	1.1	U	
AROCLOR-1242	1.1	U	
AROCLOR-1248	1.1	U	
AROCLOR-1254	1.1	U	
AROCLOR-1260	1.1	U	

PROJ_NO: 00076

SDG: 503077 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	SD-04-031705	nsample	SD-1-031705	nsample	SD-3-031705
samp_date	3/17/2005	samp_date	3/17/2005	samp_date	3/17/2005
lab_id	503077-018	lab_id	503077-016	lab_id	503077-017
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids		Pct_Solids		Pct_Solids	
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	46	U	
AROCLOR-1221	46	U	
AROCLOR-1232	46	U	
AROCLOR-1242	46	U	
AROCLOR-1248	46	U	
AROCLOR-1254	46	U	
AROCLOR-1260	46	U	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	41	U	
AROCLOR-1221	41	U	
AROCLOR-1232	41	U	
AROCLOR-1242	41	U	
AROCLOR-1248	41	U	
AROCLOR-1254	41	U	
AROCLOR-1260	41	U	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	39	U	
AROCLOR-1221	39	U	
AROCLOR-1232	39	U	
AROCLOR-1242	39	U	
AROCLOR-1248	39	U	
AROCLOR-1254	39	U	
AROCLOR-1260	53		

Appendix B

Results as Reported by the Laboratory

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SW-1-031705

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	503077
Case No. :		SDG NO :	503077
Matrix : (Soil / Water)	WATER	Lab Sample ID :	503077-002-003-1/3
Sample Volume :	5	Lab File ID :	S006492.D
Level :	Low	Date Received	03/17/2005
% Moisture: not dec		Date Analyzed	03/29/2005
GC Column :	RTX_502.2 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
71-55-6	1,1,1-Trichloroethane	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
123-91-1	1,4-Dioxane (P-Dioxane)	100	U
78-93-3	2-Butanone	10	U
591-78-6	2-Hexanone	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
67-64-1	Acetone	5.7	J
71-43-2	Benzene	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	10	U
75-15-0	Carbon Disulfide	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	10	U
67-66-3	Chloroform	1.2	J
74-87-3	Chloromethane	10	U
110-82-7	Cyclohexane	5.0	U
124-48-1	Dibromochloromethane	5.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SW-1-031705

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	503077
Case No. :		SDG NO :	503077
Matrix : (Soil / Water)	WATER	Lab Sample ID :	503077-002-003-1/3
Sample Volume :	5	Lab File ID :	S006492.D
Level :	Low	Date Received	03/17/2005
% Moisture: not dec		Date Analyzed	03/29/2005
GC Column :	RTX_502.2 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
75-71-8	Dichlorodifluoromethane	5.0	U
100-41-4	Ethylbenzene	5.0	U
106-93-4	Ethylene Dibromide	5.0	U
76-13-1	Freon 113	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl Acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene Chloride	10	U
100-42-5	Styrene	5.0	U
127-18-4	Tetrachloroethylene	5.0	U
108-88-3	Toluene	5.0	U
79-01-6	Trichloroethene	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-01-4	Vinyl Chloride	10	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
136777-61-2	m,p-Xylenes	5.0	U
95-47-6	o-Xylene	5.0	U
1634-04-4	tert-butyl methyl ether	5.0	U
156-60-5	trans-1,2-dichloroethene	5.0	U
10061-02-6	trans-1,3-dichloropropene	5.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SW-2-031705

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	503077
Case No. :		SDG NO :	503077
Matrix : (Soil / Water)	WATER	Lab Sample ID :	503077-004-006-1/3
Sample Volume :	5	Lab File ID :	S006493.D
Level :	Low	Date Received	03/17/2005
% Moisture: not dec		Date Analyzed	03/29/2005
GC Column :	RTX_502.2 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
71-55-6	1,1,1-Trichloroethane	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
123-91-1	1,4-Dioxane (P-Dioxane)	100	U
78-93-3	2-Butanone	10	U
591-78-6	2-Hexanone	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
67-64-1	Acetone	5.4	J
71-43-2	Benzene	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	10	U
75-15-0	Carbon Disulfide	5.1	
56-23-5	Carbon Tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	10	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	10	U
110-82-7	Cyclohexane	5.0	U
124-48-1	Dibromochloromethane	5.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SW-2-031705

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	503077
Case No. :		SDG NO :	503077
Matrix : (Soil / Water)	WATER	Lab Sample ID :	503077-004-006-1/3
Sample Volume :	5	Lab File ID :	S006493.D
Level :	Low	Date Received	03/17/2005
% Moisture: not dec		Date Analyzed	03/29/2005
GC Column :	RTX_502.2 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
75-71-8	Dichlorodifluoromethane	5.0	U
100-41-4	Ethylbenzene	5.0	U
106-93-4	Ethylene Dibromide	5.0	U
76-13-1	Freon 113	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl Acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene Chloride	10	U
100-42-5	Styrene	5.0	U
127-18-4	Tetrachloroethylene	5.0	U
108-88-3	Toluene	5.0	U
79-01-6	Trichloroethene	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-01-4	Vinyl Chloride	10	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
136777-61-2	m,p-Xylenes	5.0	U
95-47-6	o-Xylene	5.0	U
1634-04-4	tert-butyl methyl ether	5.0	U
156-60-5	trans-1,2-dichloroethene	5.0	U
10061-02-6	trans-1,3-dichloropropene	5.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SW-3-031705

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	503077
Case No. :		SDG NO :	503077
Matrix : (Soil / Water)	WATER	Lab Sample ID :	503077-014-021-1/9
Sample Volume :	5	Lab File ID :	S006473.D
Level :	Low	Date Received	03/17/2005
% Moisture: not dec		Date Analyzed	03/28/2005
GC Column :	RTX_502.2 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
71-55-6	1,1,1-Trichloroethane	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
123-91-1	1,4-Dioxane (P-Dioxane)	100	U
78-93-3	2-Butanone	10	U
591-78-6	2-Hexanone	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
67-64-1	Acetone	6.7	J
71-43-2	Benzene	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	10	U
75-15-0	Carbon Disulfide	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	10	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	10	U
110-82-7	Cyclohexane	5.0	U
124-48-1	Dibromochloromethane	5.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SW-3-031705

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	503077
Case No. :		SDG NO :	503077
Matrix : (Soil / Water)	WATER	Lab Sample ID :	503077-014-021-1/9
Sample Volume :	5	Lab File ID :	S006473.D
Level :	Low	Date Received	03/17/2005
% Moisture: not dec		Date Analyzed	03/28/2005
GC Column :	RTX_502.2 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
75-71-8	Dichlorodifluoromethane	5.0	U
100-41-4	Ethylbenzene	5.0	U
106-93-4	Ethylene Dibromide	5.0	U
76-13-1	Freon 113	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl Acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene Chloride	10	U
100-42-5	Styrene	5.0	U
127-18-4	Tetrachloroethylene	5.0	U
108-88-3	Toluene	5.0	U
79-01-6	Trichloroethene	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-01-4	Vinyl Chloride	10	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
136777-61-2	m,p-Xylenes	5.0	U
95-47-6	o-Xylene	5.0	U
1634-04-4	tert-butyl methyl ether	5.0	U
156-60-5	trans-1,2-dichloroethene	5.0	U
10061-02-6	trans-1,3-dichloropropene	5.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SW-3-031705RE

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	503077
Case No. :		SDG NO :	503077
Matrix : (Soil / Water)	WATER	Lab Sample ID :	503077-014-022-2/9
Sample Volume :	5	Lab File ID :	S006498.D
Level :	Low	Date Received	03/17/2005
% Moisture: not dec		Date Analyzed	03/29/2005
GC Column :	RTX_502.2 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
71-55-6	1,1,1-Trichloroethane	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
123-91-1	1,4-Dioxane (P-Dioxane)	100	U
78-93-3	2-Butanone	10	U
591-78-6	2-Hexanone	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
67-64-1	Acetone	10	U
71-43-2	Benzene	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	10	U
75-15-0	Carbon Disulfide	6.8	
56-23-5	Carbon Tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	10	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	10	U
110-82-7	Cyclohexane	5.0	U
124-48-1	Dibromochloromethane	5.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SW-3-031705RE

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	503077
Case No. :		SDG NO :	503077
Matrix : (Soil / Water)	WATER	Lab Sample ID :	503077-014-022-2/9
Sample Volume :	5	Lab File ID :	S006498.D
Level :	Low	Date Received	03/17/2005
% Moisture: not dec		Date Analyzed	03/29/2005
GC Column :	RTX_502.2 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
75-71-8	Dichlorodifluoromethane	5.0	U
100-41-4	Ethylbenzene	5.0	U
106-93-4	Ethylene Dibromide	5.0	U
76-13-1	Freon 113	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl Acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene Chloride	10	U
100-42-5	Styrene	5.0	U
127-18-4	Tetrachloroethylene	5.0	U
108-88-3	Toluene	5.0	U
79-01-6	Trichloroethene	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-01-4	Vinyl Chloride	10	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
136777-61-2	m,p-Xylenes	5.0	U
95-47-6	o-Xylene	5.0	U
1634-04-4	tert-butyl methyl ether	5.0	U
156-60-5	trans-1,2-dichloroethene	5.0	U
10061-02-6	trans-1,3-dichloropropene	5.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SW-4-031705

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	503077
Case No. :		SDG NO :	503077
Matrix : (Soil / Water)	WATER	Lab Sample ID :	503077-012-018-1/3
Sample Volume :	5	Lab File ID :	S006497.D
Level :	Low	Date Received	03/17/2005
% Moisture: not dec		Date Analyzed	03/29/2005
GC Column :	RTX_502.2 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
71-55-6	1,1,1-Trichloroethane	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
123-91-1	1,4-Dioxane (P-Dioxane)	100	U
78-93-3	2-Butanone	10	U
591-78-6	2-Hexanone	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
67-64-1	Acetone	10	U
71-43-2	Benzene	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	10	U
75-15-0	Carbon Disulfide	5.8	
56-23-5	Carbon Tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	10	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	10	U
110-82-7	Cyclohexane	5.0	U
124-48-1	Dibromochloromethane	5.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SW-4-031705

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	503077
Case No. :		SDG NO :	503077
Matrix : (Soil / Water)	WATER	Lab Sample ID :	503077-012-018-1/3
Sample Volume :	5	Lab File ID :	S006497.D
Level :	Low	Date Received	03/17/2005
% Moisture: not dec		Date Analyzed	03/29/2005
GC Column :	RTX_502.2 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
75-71-8	Dichlorodifluoromethane	5.0	U
100-41-4	Ethylbenzene	5.0	U
106-93-4	Ethylene Dibromide	5.0	U
76-13-1	Freon 113	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl Acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene Chloride	10	U
100-42-5	Styrene	5.0	U
127-18-4	Tetrachloroethylene	5.0	U
108-88-3	Toluene	5.0	U
79-01-6	Trichloroethene	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-01-4	Vinyl Chloride	10	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
136777-61-2	m,p-Xylenes	5.0	U
95-47-6	o-Xylene	5.0	U
1634-04-4	tert-butyl methyl ether	5.0	U
156-60-5	trans-1,2-dichloroethene	5.0	U
10061-02-6	trans-1,3-dichloropropene	5.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SW-5-031705

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	503077
Case No. :		SDG NO :	503077
Matrix : (Soil / Water)	WATER	Lab Sample ID :	503077-010-015-1/3
Sample Volume :	5	Lab File ID :	S006496.D
Level :	Low	Date Received	03/17/2005
% Moisture: not dec		Date Analyzed	03/29/2005
GC Column :	RTX_502.2 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
71-55-6	1,1,1-Trichloroethane	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
123-91-1	1,4-Dioxane (P-Dioxane)	100	U
78-93-3	2-Butanone	10	U
591-78-6	2-Hexanone	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
67-64-1	Acetone	10	U
71-43-2	Benzene	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	10	U
75-15-0	Carbon Disulfide	8.6	
56-23-5	Carbon Tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	10	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	10	U
110-82-7	Cyclohexane	5.0	U
124-48-1	Dibromochloromethane	5.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SW-5-031705

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	503077
Case No. :		SDG NO :	503077
Matrix : (Soil / Water)	WATER	Lab Sample ID :	503077-010-015-1/3
Sample Volume :	5	Lab File ID :	S006496.D
Level :	Low	Date Received	03/17/2005
% Moisture: not dec		Date Analyzed	03/29/2005
GC Column :	RTX_502.2 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
75-71-8	Dichlorodifluoromethane	5.0	U
100-41-4	Ethylbenzene	5.0	U
106-93-4	Ethylene Dibromide	5.0	U
76-13-1	Freon 113	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl Acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene Chloride	10	U
100-42-5	Styrene	5.0	U
127-18-4	Tetrachloroethylene	5.0	U
108-88-3	Toluene	5.0	U
79-01-6	Trichloroethene	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-01-4	Vinyl Chloride	10	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
136777-61-2	m,p-Xylenes	5.0	U
95-47-6	o-Xylene	5.0	U
1634-04-4	tert-butyl methyl ether	5.0	U
156-60-5	trans-1,2-dichloroethene	5.0	U
10061-02-6	trans-1,3-dichloropropene	5.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SW-6-031705

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	503077
Case No. :		SDG NO :	503077
Matrix : (Soil / Water)	WATER	Lab Sample ID :	503077-008-012-1/3
Sample Volume :	5	Lab File ID :	S006495.D
Level :	Low	Date Received	03/17/2005
% Moisture: not dec		Date Analyzed	03/29/2005
GC Column :	RTX_502.2 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
71-55-6	1,1,1-Trichloroethane	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
123-91-1	1,4-Dioxane (P-Dioxane)	100	U
78-93-3	2-Butanone	10	U
591-78-6	2-Hexanone	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
67-64-1	Acetone	10	U
71-43-2	Benzene	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	10	U
75-15-0	Carbon Disulfide	4.8	J
56-23-5	Carbon Tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	10	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	10	U
110-82-7	Cyclohexane	5.0	U
124-48-1	Dibromochloromethane	5.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SW-6-031705

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	503077
Case No. :		SDG NO :	503077
Matrix : (Soil / Water)	WATER	Lab Sample ID :	503077-008-012-1/3
Sample Volume :	5	Lab File ID :	S006495.D
Level :	Low	Date Received	03/17/2005
% Moisture: not dec		Date Analyzed	03/29/2005
GC Column :	RTX_502.2 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
75-71-8	Dichlorodifluoromethane	5.0	U
100-41-4	Ethylbenzene	5.0	U
106-93-4	Ethylene Dibromide	5.0	U
76-13-1	Freon 113	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl Acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene Chloride	10	U
100-42-5	Styrene	5.0	U
127-18-4	Tetrachloroethylene	5.0	U
108-88-3	Toluene	5.0	U
79-01-6	Trichloroethene	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-01-4	Vinyl Chloride	10	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
136777-61-2	m,p-Xylenes	5.0	U
95-47-6	o-Xylene	5.0	U
1634-04-4	tert-butyl methyl ether	5.0	U
156-60-5	trans-1,2-dichloroethene	5.0	U
10061-02-6	trans-1,3-dichloropropene	5.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SW-7-031705

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	503077
Case No. :		SDG NO :	503077
Matrix : (Soil / Water)	WATER	Lab Sample ID :	503077-006-009-1/3
Sample Volume :	5	Lab File ID :	S006469.D
Level :	Low	Date Received	03/17/2005
% Moisture: not dec		Date Analyzed	03/28/2005
GC Column :	RTX_502.2 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
71-55-6	1,1,1-Trichloroethane	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
123-91-1	1,4-Dioxane (P-Dioxane)	100	U
78-93-3	2-Butanone	10	U
591-78-6	2-Hexanone	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
67-64-1	Acetone	10	U
71-43-2	Benzene	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	10	U
75-15-0	Carbon Disulfide	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	10	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	10	U
110-82-7	Cyclohexane	5.0	U
124-48-1	Dibromochloromethane	5.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SW-7-031705

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	503077
Case No. :		SDG NO :	503077
Matrix : (Soil / Water)	WATER	Lab Sample ID :	503077-006-009-1/3
Sample Volume :	5	Lab File ID :	S006469.D
Level :	Low	Date Received	03/17/2005
% Moisture: not dec		Date Analyzed	03/28/2005
GC Column :	RTX_502.2 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
75-71-8	Dichlorodifluoromethane	5.0	U
100-41-4	Ethylbenzene	5.0	U
106-93-4	Ethylene Dibromide	5.0	U
76-13-1	Freon 113	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl Acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene Chloride	10	U
100-42-5	Styrene	5.0	U
127-18-4	Tetrachloroethylene	5.0	U
108-88-3	Toluene	5.0	U
79-01-6	Trichloroethene	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-01-4	Vinyl Chloride	10	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
136777-61-2	m,p-Xylenes	5.0	U
95-47-6	o-Xylene	5.0	U
1634-04-4	tert-butyl methyl ether	5.0	U
156-60-5	trans-1,2-dichloroethene	5.0	U
10061-02-6	trans-1,3-dichloropropene	5.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SW-7-031705RE

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	503077
Case No. :		SDG NO :	503077
Matrix : (Soil / Water)	WATER	Lab Sample ID :	503077-006-010-2/3
Sample Volume :	5	Lab File ID :	S006494.D
Level :	Low	Date Received	03/17/2005
% Moisture: not dec		Date Analyzed	03/29/2005
GC Column :	RTX_502.2 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
71-55-6	1,1,1-Trichloroethane	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
123-91-1	1,4-Dioxane (P-Dioxane)	100	U
78-93-3	2-Butanone	10	U
591-78-6	2-Hexanone	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
67-64-1	Acetone	10	U
71-43-2	Benzene	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	10	U
75-15-0	Carbon Disulfide	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	10	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	10	U
110-82-7	Cyclohexane	5.0	U
124-48-1	Dibromochloromethane	5.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SW-7-031705RE

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	503077
Case No. :		SDG NO :	503077
Matrix : (Soil / Water)	WATER	Lab Sample ID :	503077-006-010-2/3
Sample Volume :	5	Lab File ID :	S006494.D
Level :	Low	Date Received	03/17/2005
% Moisture: not dec		Date Analyzed	03/29/2005
GC Column :	RTX_502.2 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Allquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
75-71-8	Dichlorodifluoromethane	5.0	U
100-41-4	Ethylbenzene	5.0	U
106-93-4	Ethylene Dibromide	5.0	U
76-13-1	Freon 113	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl Acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene Chloride	10	U
100-42-5	Styrene	5.0	U
127-18-4	Tetrachloroethylene	5.0	U
108-88-3	Toluene	5.0	U
79-01-6	Trichloroethene	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-01-4	Vinyl Chloride	10	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
136777-61-2	m,p-Xylenes	5.0	U
95-47-6	o-Xylene	5.0	U
1634-04-4	tert-butyl methyl ether	5.0	U
156-60-5	trans-1,2-dichloroethene	5.0	U
10061-02-6	trans-1,3-dichloropropene	5.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
TB031705

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	503077
Case No. :		SDG NO :	503077
Matrix : (Soil / Water)	WATER	Lab Sample ID :	503077-001-001-1/2
Sample Volume :	5	Lab File ID :	S006461.D
Level :	Low	Date Received	03/17/2005
% Moisture: not dec		Date Analyzed	03/28/2005
GC Column :	RTX_502.2 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
71-55-6	1,1,1-Trichloroethane	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
123-91-1	1,4-Dioxane (P-Dioxane)	100	U
78-93-3	2-Butanone	10	U
591-78-6	2-Hexanone	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
67-64-1	Acetone	10	U
71-43-2	Benzene	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	10	U
75-15-0	Carbon Disulfide	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	10	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	10	U
110-82-7	Cyclohexane	5.0	U
124-48-1	Dibromochloromethane	5.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
TB031705

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	503077
Case No. :		SDG NO :	503077
Matrix : (Soil / Water)	WATER	Lab Sample ID :	503077-001-001-1/2
Sample Volume :	5	Lab File ID :	S006461.D
Level :	Low	Date Received	03/17/2005
% Moisture: not dec		Date Analyzed	03/28/2005
GC Column :	RTX_502.2 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
75-71-8	Dichlorodifluoromethane	5.0	U
100-41-4	Ethylbenzene	5.0	U
106-93-4	Ethylene Dibromide	5.0	U
76-13-1	Freon 113	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl Acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene Chloride	10	U
100-42-5	Styrene	5.0	U
127-18-4	Tetrachloroethylene	5.0	U
108-88-3	Toluene	5.0	U
79-01-6	Trichloroethene	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-01-4	Vinyl Chloride	10	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
136777-61-2	m,p-Xylenes	5.0	U
95-47-6	o-Xylene	5.0	U
1634-04-4	tert-butyl methyl ether	5.0	U
156-60-5	trans-1,2-dichloroethene	5.0	U
10061-02-6	trans-1,3-dichloropropene	5.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SD-04-031705

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	503077
Case No. :		SDG NO :	503077
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	503077-018-094-1/1
Sample Volume :	5	Lab File ID :	S006391.D
Level :	Low	Date Received	03/17/2005
% Moisture: not dec	27.86	Date Analyzed	03/23/2005
GC Column :	RTX_502.2 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
71-55-6	1,1,1-Trichloroethane	6.9	U
79-34-5	1,1,2,2-Tetrachloroethane	6.9	U
79-00-5	1,1,2-Trichloroethane	6.9	U
75-34-3	1,1-Dichloroethane	6.9	U
75-35-4	1,1-Dichloroethene	6.9	U
120-82-1	1,2,4-Trichlorobenzene	6.9	U
96-12-8	1,2-Dibromo-3-Chloropropane	6.9	U
95-50-1	1,2-Dichlorobenzene	6.9	U
107-06-2	1,2-Dichloroethane	6.9	U
78-87-5	1,2-Dichloropropane	6.9	U
541-73-1	1,3-Dichlorobenzene	6.9	U
106-46-7	1,4-Dichlorobenzene	6.9	U
78-93-3	2-Butanone	14	U
591-78-6	2-Hexanone	14	U
108-10-1	4-Methyl-2-Pentanone	14	U
67-64-1	Acetone	14	U
71-43-2	Benzene	6.9	U
75-27-4	Bromodichloromethane	6.9	U
75-25-2	Bromoform	6.9	U
74-83-9	Bromomethane	14	U
75-15-0	Carbon Disulfide	6.9	U
56-23-5	Carbon Tetrachloride	6.9	U
108-90-7	Chlorobenzene	6.9	U
75-00-3	Chloroethane	14	U
67-66-3	Chloroform	6.9	U
74-87-3	Chloromethane	14	U
110-82-7	Cyclohexane	6.9	U
124-48-1	Dibromochloromethane	6.9	U
75-71-8	Dichlorodifluoromethane	6.9	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SD-04-031705

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	503077
Case No. :		SDG NO :	503077
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	503077-018-094-1/1
Sample Volume :	5	Lab File ID :	S006391.D
Level :	Low	Date Received	03/17/2005
% Moisture: not dec	27.86	Date Analyzed	03/23/2005
GC Column :	RTX_502.2 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
100-41-4	Ethylbenzene	6.9	U
106-93-4	Ethylene Dibromide	6.9	U
76-13-1	Freon 113	6.9	U
98-82-8	Isopropylbenzene	6.9	U
79-20-9	Methyl Acetate	6.9	U
108-87-2	Methylcyclohexane	6.9	U
75-09-2	Methylene Chloride	14	U
100-42-5	Styrene	6.9	U
127-18-4	Tetrachloroethylene	6.9	U
108-88-3	Toluene	6.9	U
79-01-6	Trichloroethene	6.9	U
75-69-4	Trichlorofluoromethane	6.9	U
75-01-4	Vinyl Chloride	14	U
156-59-2	cis-1,2-Dichloroethene	6.9	U
10061-01-5	cis-1,3-Dichloropropene	6.9	U
136777-61-2	m,p-Xylenes	6.9	U
95-47-6	o-Xylene	6.9	U
1634-04-4	tert-butyl methyl ether	6.9	U
156-60-5	trans-1,2-dichloroethene	6.9	U
10061-02-6	trans-1,3-dichloropropene	6.9	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SD-1-031705

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	503077
Case No. :		SDG NO :	503077
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	503077-016-092-1/1
Sample Volume :	5	Lab File ID :	S006389.D
Level :	Low	Date Received	03/17/2005
% Moisture: not dec	18.69	Date Analyzed	03/23/2005
GC Column :	RTX_502.2 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
71-55-6	1,1,1-Trichloroethane	6.1	U
79-34-5	1,1,2,2-Tetrachloroethane	6.1	U
79-00-5	1,1,2-Trichloroethane	6.1	U
75-34-3	1,1-Dichloroethane	6.1	U
75-35-4	1,1-Dichloroethene	6.1	U
120-82-1	1,2,4-Trichlorobenzene	6.1	U
96-12-8	1,2-Dibromo-3-Chloropropane	6.1	U
95-50-1	1,2-Dichlorobenzene	6.1	U
107-06-2	1,2-Dichloroethane	6.1	U
78-87-5	1,2-Dichloropropane	6.1	U
541-73-1	1,3-Dichlorobenzene	6.1	U
106-46-7	1,4-Dichlorobenzene	6.1	U
78-93-3	2-Butanone	12	U
591-78-6	2-Hexanone	12	U
108-10-1	4-Methyl-2-Pentanone	12	U
67-64-1	Acetone	12	J
71-43-2	Benzene	6.1	U
75-27-4	Bromodichloromethane	6.1	U
75-25-2	Bromoform	6.1	U
74-83-9	Bromomethane	12	U
75-15-0	Carbon Disulfide	6.1	U
56-23-5	Carbon Tetrachloride	6.1	U
108-90-7	Chlorobenzene	6.1	U
75-00-3	Chloroethane	12	U
67-66-3	Chloroform	6.1	U
74-87-3	Chloromethane	12	U
110-82-7	Cyclohexane	6.1	U
124-48-1	Dibromochloromethane	6.1	U
75-71-8	Dichlorodifluoromethane	6.1	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SD-1-031705

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	503077
Case No. :		SDG NO :	503077
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	503077-016-092-1/1
Sample Volume :	5	Lab File ID :	S006389.D
Level :	Low	Date Received	03/17/2005
% Moisture: not dec	18.69	Date Analyzed	03/23/2005
GC Column :	RTX_502.2 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
100-41-4	Ethylbenzene	6.1	U
106-93-4	Ethylene Dibromide	6.1	U
76-13-1	Freon 113	6.1	U
98-82-8	Isopropylbenzene	6.1	U
79-20-9	Methyl Acetate	6.1	U
108-87-2	Methylcyclohexane	6.1	U
75-09-2	Methylene Chloride	12	U
100-42-5	Styrene	6.1	U
127-18-4	Tetrachloroethylene	6.1	U
108-88-3	Toluene	6.1	U
79-01-6	Trichloroethene	6.1	U
75-69-4	Trichlorofluoromethane	6.1	U
75-01-4	Vinyl Chloride	12	U
156-59-2	cis-1,2-Dichloroethene	6.1	U
10061-01-5	cis-1,3-Dichloropropene	6.1	U
136777-61-2	m,p-Xylenes	6.1	U
95-47-6	o-Xylene	6.1	U
1634-04-4	tert-butyl methyl ether	6.1	U
156-60-5	trans-1,2-dichloroethene	6.1	U
10061-02-6	trans-1,3-dichloropropene	6.1	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SD-3-031705

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	503077
Case No. :		SDG NO :	503077
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	503077-017-093-1/1
Sample Volume :	5	Lab File ID :	S006499.D
Level :	Low	Date Received	03/17/2005
% Moisture: not dec	15.38	Date Analyzed	03/29/2005
GC Column :	RTX_502.2 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
71-55-6	1,1,1-Trichloroethane	5.9	U
79-34-5	1,1,2,2-Tetrachloroethane	5.9	U
79-00-5	1,1,2-Trichloroethane	5.9	U
75-34-3	1,1-Dichloroethane	5.9	U
75-35-4	1,1-Dichloroethene	5.9	U
120-82-1	1,2,4-Trichlorobenzene	5.9	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.9	U
95-50-1	1,2-Dichlorobenzene	5.9	U
107-06-2	1,2-Dichloroethane	5.9	U
78-87-5	1,2-Dichloropropane	5.9	U
541-73-1	1,3-Dichlorobenzene	5.9	U
106-46-7	1,4-Dichlorobenzene	5.9	U
78-93-3	2-Butanone	12	U
591-78-6	2-Hexanone	12	U
108-10-1	4-Methyl-2-Pentanone	12	U
67-64-1	Acetone	7.1	J
71-43-2	Benzene	5.9	U
75-27-4	Bromodichloromethane	5.9	U
75-25-2	Bromoform	5.9	U
74-83-9	Bromomethane	12	U
75-15-0	Carbon Disulfide	5.9	U
56-23-5	Carbon Tetrachloride	5.9	U
108-90-7	Chlorobenzene	5.9	U
75-00-3	Chloroethane	12	U
67-66-3	Chloroform	5.9	U
74-87-3	Chloromethane	12	U
110-82-7	Cyclohexane	5.9	U
124-48-1	Dibromochloromethane	5.9	U
75-71-8	Dichlorodifluoromethane	5.9	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SD-3-031705

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	503077
Case No. :		SDG NO :	503077
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	503077-017-093-1/1
Sample Volume :	5	Lab File ID :	S006499.D
Level :	Low	Date Received	03/17/2005
% Moisture: not dec	15.38	Date Analyzed	03/29/2005
GC Column :	RTX_502.2 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
100-41-4	Ethylbenzene	5.9	U
106-93-4	Ethylene Dibromide	5.9	U
76-13-1	Freon 113	5.9	U
98-82-8	Isopropylbenzene	5.9	U
79-20-9	Methyl Acetate	5.9	U
108-87-2	Methylcyclohexane	5.9	U
75-09-2	Methylene Chloride	12	U
100-42-5	Styrene	5.9	U
127-18-4	Tetrachloroethylene	5.9	U
108-88-3	Toluene	5.9	U
79-01-6	Trichloroethene	5.9	U
75-69-4	Trichlorofluoromethane	5.9	U
75-01-4	Vinyl Chloride	12	U
156-59-2	cis-1,2-Dichloroethene	5.9	U
10061-01-5	cis-1,3-Dichloropropene	5.9	U
136777-61-2	m,p-Xylenes	5.9	U
95-47-6	o-Xylene	5.9	U
1634-04-4	tert-butyl methyl ether	5.9	U
156-60-5	trans-1,2-dichloroethene	5.9	U
10061-02-6	trans-1,3-dichloropropene	5.9	U

GPL Laboratories

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FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SW-1-031705

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code	GPL	SAS NO. :	
Case No.		SDG NO :	503077
Matrix : (Soil / Water)	WATER	Lab Sample ID :	503077-002-030-1/2
Sample Volume :	940	Lab File ID :	T23301.D
% Moisture:		Date Received	03/17/2005
Extraction:	SW3520C	Date Extracte	03/22/2005
Extract Volume	1 mL	Date Analyzed	03/25/2005
Injection Volume :	1 µL	Dilution Factor	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
120-82-1	1,2,4-Trichlorobenzene	11	U
95-50-1	1,2-Dichlorobenzene	11	U
122-66-7	1,2-Diphenylhydrazine	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U
108-60-1	2,2-Oxybis(1-Chloropropane)	11	U
95-95-4	2,4,5-Trichlorophenol	11	U
88-06-2	2,4,6-Trichlorophenol	11	U
120-83-2	2,4-Dichlorophenol	11	U
105-67-9	2,4-Dimethylphenol	11	U
51-28-5	2,4-Dinitrophenol	21	U
121-14-2	2,4-Dinitrotoluene	11	U
606-20-2	2,6-Dinitrotoluene	11	U
91-58-7	2-Chloronaphthalene	11	U
95-57-8	2-Chlorophenol	11	U
91-57-6	2-Methylnaphthalene	11	U
88-74-4	2-Nitroaniline	11	U
88-75-5	2-Nitrophenol	11	U
95-48-7	2-methylphenol	11	U
91-94-1	3,3-Dichlorobenzidine	21	U
99-09-2	3-Nitroaniline	11	U
534-52-1	4,6-dinitro-2-methyl phenol	21	U
101-55-3	4-Bromophenyl-phenylether	11	U
106-47-8	4-Chloroaniline	11	U
7005-72-3	4-Chlorophenyl Phenyl Ether	11	U
100-01-6	4-Nitroaniline	11	U
100-02-7	4-Nitrophenol	21	U
59-50-7	4-chloro-3-methylphenol	11	U
106-44-5	4-methylphenol	11	U

GPL Laboratories

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FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SW-1-031705

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code	GPL	SAS NO. :	
Case No.		SDG NO :	503077
Matrix : (Soil / Water)	WATER	Lab Sample ID :	503077-002-030-1/2
Sample Volume :	940	Lab File ID :	T23301.D
% Moisture:		Date Received	03/17/2005
Extraction:	SW3520C	Date Extracte	03/22/2005
Extract Volume	1 mL	Date Analyzed	03/25/2005
Injection Volume :	1 µL	Dilution Factor	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
83-32-9	Acenaphthene	11	U
208-96-8	Acenaphthylene	11	U
62-53-3	Aniline (Phenylamine, Aminobenzene)	11	U
120-12-7	Anthracene	11	U
92-87-5	Benzidine	11	U
56-55-3	Benzo(a)anthracene	11	U
50-32-8	Benzo(a)pyrene	11	U
205-99-2	Benzo(b)fluoranthene	11	U
191-24-2	Benzo(g,h,i)perylene	11	U
207-08-9	Benzo(k)fluoranthene	11	U
65-85-0	Benzoic Acid	21	U
100-51-6	Benzyl Alcohol	11	U
85-68-7	Benzyl Butyl Phthalate	11	U
86-74-8	Carbazole	11	U
218-01-9	Chrysene	11	U
53-70-3	Dibenz(a,h)Anthracene	11	U
132-64-9	Dibenzofuran	11	U
84-66-2	Diethyl Phthalate	11	U
131-11-3	Dimethyl Phthalate	11	U
206-44-0	Fluoranthene	11	U
86-73-7	Fluorene	11	U
118-74-1	Hexachlorobenzene	11	U
87-68-3	Hexachlorobutadiene	11	U
77-47-4	Hexachlorocyclopentadiene	11	U
67-72-1	Hexachloroethane	11	U
193-39-5	Indeno(1,2,3-c,d)Pyrene	11	U
78-59-1	Isophorone	11	U
91-20-3	Naphthalene	11	U
98-95-3	Nitrobenzene	11	U

GPL Laboratories

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FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SW-1-031705

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code	GPL	SAS NO. :	
Case No.		SDG NO :	503077
Matrix : (Soil / Water)	WATER	Lab Sample ID :	503077-002-030-1/2
Sample Volume :	940	Lab File ID :	T23301.D
% Moisture:		Date Received	03/17/2005
Extraction:	SW3520C	Date Extracte	03/22/2005
Extract Volume	1 mL	Date Analyzed	03/25/2005
Injection Volume :	1 µL	Dilution Factor	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
87-86-5	Pentachlorophenol	21	U
85-01-8	Phenanthrene	11	U
108-95-2	Phenol	11	U
129-00-0	Pyrene	11	U
110-86-1	Pyridine	11	U
111-91-1	bis(2-chloroethoxy) methane	11	U
111-44-4	bis(2-chloroethyl) ether	11	U
117-81-7	bis(2-ethylhexyl) phthalate	1.4	J
84-74-2	di-n-Butyl Phthalate	11	U
117-84-0	di-n-Octyl Phthalate	11	U
621-64-7	n-Nitrosodi-n-Propylamine	11	U
62-75-9	n-Nitrosodimethylamine	11	U
86-30-6	n-Nitrosodiphenylamine	11	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SW-2-031705

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code	GPL	SAS NO. :	
Case No.		SDG NO :	503077
Matrix : (Soil / Water)	WATER	Lab Sample ID :	503077-004-032-1/2
Sample Volume :	950	Lab File ID :	T23302.D
% Moisture:		Date Received	03/17/2005
Extraction:	SW3520C	Date Extracte	03/22/2005
Extract Volume	1 mL	Date Analyzed	03/25/2005
Injection Volume :	1 µL	Dilution Factor	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
120-82-1	1,2,4-Trichlorobenzene	11	U
95-50-1	1,2-Dichlorobenzene	11	U
122-66-7	1,2-Diphenylhydrazine	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U
108-60-1	2,2-Oxybis(1-Chloropropane)	11	U
95-95-4	2,4,5-Trichlorophenol	11	U
88-06-2	2,4,6-Trichlorophenol	11	U
120-83-2	2,4-Dichlorophenol	11	U
105-67-9	2,4-Dimethylphenol	11	U
51-28-5	2,4-Dinitrophenol	21	U
121-14-2	2,4-Dinitrotoluene	11	U
606-20-2	2,6-Dinitrotoluene	11	U
91-58-7	2-Chloronaphthalene	11	U
95-57-8	2-Chlorophenol	11	U
91-57-6	2-Methylnaphthalene	11	U
88-74-4	2-Nitroaniline	11	U
88-75-5	2-Nitrophenol	11	U
95-48-7	2-methylphenol	11	U
91-94-1	3,3-Dichlorobenzidine	21	U
99-09-2	3-Nitroaniline	11	U
534-52-1	4,6-dinitro-2-methyl phenol	21	U
101-55-3	4-Bromophenyl-phenylether	11	U
106-47-8	4-Chloroaniline	11	U
7005-72-3	4-Chlorophenyl Phenyl Ether	11	U
100-01-6	4-Nitroaniline	11	U
100-02-7	4-Nitrophenol	21	U
59-50-7	4-chloro-3-methylphenol	11	U
106-44-5	4-methylphenol	11	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SW-2-031705

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code	GPL	SAS NO. :	
Case No.		SDG NO :	503077
Matrix : (Soil / Water)	WATER	Lab Sample ID :	503077-004-032-1/2
Sample Volume :	950	Lab File ID :	T23302.D
% Moisture:		Date Received	03/17/2005
Extraction:	SW3520C	Date Extracte	03/22/2005
Extract Volume	1 mL	Date Analyzed	03/25/2005
Injection Volume :	1 µ L	Dilution Factor	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
83-32-9	Acenaphthene	11	U
208-96-8	Acenaphthylene	11	U
62-53-3	Aniline (Phenylamine, Aminobenzene)	11	U
120-12-7	Anthracene	11	U
92-87-5	Benzidine	11	U
56-55-3	Benzo(a)anthracene	11	U
50-32-8	Benzo(a)pyrene	11	U
205-99-2	Benzo(b)fluoranthene	11	U
191-24-2	Benzo(g,h,i)perylene	11	U
207-08-9	Benzo(k)fluoranthene	11	U
65-85-0	Benzoic Acid	21	U
100-51-6	Benzyl Alcohol	11	U
85-68-7	Benzyl Butyl Phthalate	11	U
86-74-8	Carbazole	11	U
218-01-9	Chrysene	11	U
53-70-3	Dibenz(a,h)Anthracene	11	U
132-64-9	Dibenzofuran	11	U
84-66-2	Diethyl Phthalate	11	U
131-11-3	Dimethyl Phthalate	11	U
206-44-0	Fluoranthene	11	U
86-73-7	Fluorene	11	U
118-74-1	Hexachlorobenzene	11	U
87-68-3	Hexachlorobutadiene	11	U
77-47-4	Hexachlorocyclopentadiene	11	U
67-72-1	Hexachloroethane	11	U
193-39-5	Indeno(1,2,3-c,d)Pyrene	11	U
78-59-1	Isophorone	11	U
91-20-3	Naphthalene	11	U
98-95-3	Nitrobenzene	11	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SW-2-031705

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code	GPL	SAS NO. :	
Case No.		SDG NO :	503077
Matrix : (Soil / Water)	WATER	Lab Sample ID :	503077-004-032-1/2
Sample Volume :	950	Lab File ID :	T23302.D
% Moisture:		Date Received	03/17/2005
Extraction:	SW3520C	Date Extracte	03/22/2005
Extract Volume	1 mL	Date Analyzed	03/25/2005
Injection Volume :	1 µL	Dilution Factor	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
87-86-5	Pentachlorophenol	21	U
85-01-8	Phenanthrene	11	U
108-95-2	Phenol	11	U
129-00-0	Pyrene	11	U
110-86-1	Pyridine	11	U
111-91-1	bis(2-chloroethoxy) methane	11	U
111-44-4	bis(2-chloroethyl) ether	11	U
117-81-7	bis(2-ethylhexyl) phthalate	2.6	J
84-74-2	di-n-Butyl Phthalate	11	U
117-84-0	di-n-Octyl Phthalate	11	U
621-64-7	n-Nitrosodi-n-Propylamine	11	U
62-75-9	n-Nitrosodimethylamine	11	U
86-30-6	n-Nitrosodiphenylamine	11	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SW-3-031705

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code	GPL	SAS NO. :	
Case No.		SDG NO :	503077
Matrix : (Soil / Water)	WATER	Lab Sample ID :	503077-014-072-1/6
Sample Volume :	960	Lab File ID :	T23298.D
% Moisture:		Date Received	03/17/2005
Extraction:	SW3520C	Date Extracte	03/22/2005
Extract Volume	1 mL	Date Analyzed	03/25/2005
Injection Volume :	1 µL	Dilution Factor	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
120-82-1	1,2,4-Trichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
122-66-7	1,2-Diphenylhydrazine	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
108-60-1	2,2-Oxybis(1-Chloropropane)	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
120-83-2	2,4-Dichlorophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
51-28-5	2,4-Dinitrophenol	21	U
121-14-2	2,4-Dinitrotoluene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
91-58-7	2-Chloronaphthalene	10	U
95-57-8	2-Chlorophenol	10	U
91-57-6	2-Methylnaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
88-75-5	2-Nitrophenol	10	U
95-48-7	2-methylphenol	10	U
91-94-1	3,3-Dichlorobenzidine	21	U
99-09-2	3-Nitroaniline	10	U
534-52-1	4,6-dinitro-2-methyl phenol	21	U
101-55-3	4-Bromophenyl-phenylether	10	U
106-47-8	4-Chloroaniline	10	U
7005-72-3	4-Chlorophenyl Phenyl Ether	10	U
100-01-6	4-Nitroaniline	10	U
100-02-7	4-Nitrophenol	21	U
59-50-7	4-chloro-3-methylphenol	10	U
106-44-5	4-methylphenol	10	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SW-3-031705

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code	GPL	SAS NO. :	
Case No.		SDG NO :	503077
Matrix : (Soil / Water)	WATER	Lab Sample ID :	503077-014-072-1/6
Sample Volume :	960	Lab File ID :	T23298.D
% Moisture:		Date Received	03/17/2005
Extraction:	SW3520C	Date Extracte	03/22/2005
Extract Volume	1 mL	Date Analyzed	03/25/2005
Injection Volume :	1 µL	Dilution Factor	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
83-32-9	Acenaphthene	10	U
208-96-8	Acenaphthylene	10	U
62-53-3	Aniline (Phenylamine, Aminobenzene)	10	U
120-12-7	Anthracene	10	U
92-87-5	Benzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
50-32-8	Benzo(a)pyrene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
65-85-0	Benzoic Acid	21	U
100-51-6	Benzyl Alcohol	10	U
85-68-7	Benzyl Butyl Phthalate	10	U
86-74-8	Carbazole	10	U
218-01-9	Chrysene	10	U
53-70-3	Dibenz(a,h)Anthracene	10	U
132-64-9	Dibenzofuran	10	U
84-66-2	Diethyl Phthalate	10	U
131-11-3	Dimethyl Phthalate	10	U
206-44-0	Fluoranthene	10	U
86-73-7	Fluorene	10	U
118-74-1	Hexachlorobenzene	10	U
87-68-3	Hexachlorobutadiene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
67-72-1	Hexachloroethane	10	U
193-39-5	Indeno(1,2,3-c,d)Pyrene	10	U
78-59-1	Isophorone	10	U
91-20-3	Naphthalene	10	U
98-95-3	Nitrobenzene	10	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SW-3-031705

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code	GPL	SAS NO. :	
Case No.		SDG NO :	503077
Matrix : (Soil / Water)	WATER	Lab Sample ID :	503077-014-072-1/6
Sample Volume :	960	Lab File ID :	T23298.D
% Moisture:		Date Received	03/17/2005
Extraction:	SW3520C	Date Extracte	03/22/2005
Extract Volume	1 mL	Date Analyzed	03/25/2005
Injection Volume :	1 µ L	Dilution Factor	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
87-86-5	Pentachlorophenol	21	U
85-01-8	Phenanthrene	10	U
108-95-2	Phenol	10	U
129-00-0	Pyrene	10	U
110-86-1	Pyridine	10	U
111-91-1	bis(2-chloroethoxy) methane	10	U
111-44-4	bis(2-chloroethyl) ether	10	U
117-81-7	bis(2-ethylhexyl) phthalate	3.5	J
84-74-2	di-n-Butyl Phthalate	1.5	J
117-84-0	di-n-Octyl Phthalate	10	U
621-64-7	n-Nitrosodi-n-Propylamine	10	U
62-75-9	n-Nitrosodimethylamine	10	U
86-30-6	n-Nitrosodiphenylamine	10	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SW-4-031705

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code	GPL	SAS NO. :	
Case No.		SDG NO :	503077
Matrix : (Soil / Water)	WATER	Lab Sample ID :	503077-012-040-1/2
Sample Volume :	960	Lab File ID :	T23315.D
% Moisture:		Date Received	03/17/2005
Extraction:	SW3520C	Date Extracte	03/22/2005
Extract Volume	1 mL	Date Analyzed	03/28/2005
Injection Volume :	1 µL	Dilution Factor	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
120-82-1	1,2,4-Trichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
122-66-7	1,2-Diphenylhydrazine	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
108-60-1	2,2-Oxybis(1-Chloropropane)	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
120-83-2	2,4-Dichlorophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
51-28-5	2,4-Dinitrophenol	21	U
121-14-2	2,4-Dinitrotoluene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
91-58-7	2-Chloronaphthalene	10	U
95-57-8	2-Chlorophenol	10	U
91-57-6	2-Methylnaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
88-75-5	2-Nitrophenol	10	U
95-48-7	2-methylphenol	10	U
91-94-1	3,3-Dichlorobenzidine	21	U
99-09-2	3-Nitroaniline	10	U
534-52-1	4,6-dinitro-2-methyl phenol	21	U
101-55-3	4-Bromophenyl-phenylether	10	U
106-47-8	4-Chloroaniline	10	U
7005-72-3	4-Chlorophenyl Phenyl Ether	10	U
100-01-6	4-Nitroaniline	10	U
100-02-7	4-Nitrophenol	21	U
59-50-7	4-chloro-3-methylphenol	10	U
106-44-5	4-methylphenol	10	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SW-4-031705

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code	GPL	SAS NO. :	
Case No.		SDG NO :	503077
Matrix : (Soil / Water)	WATER	Lab Sample ID :	503077-012-040-1/2
Sample Volume :	960	Lab File ID :	T23315.D
% Moisture:		Date Received	03/17/2005
Extraction:	SW3520C	Date Extracte	03/22/2005
Extract Volume	1 mL	Date Analyzed	03/28/2005
Injection Volume :	1 µL	Dilution Factor	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
83-32-9	Acenaphthene	10	U
208-96-8	Acenaphthylene	10	U
62-53-3	Aniline (Phenylamine, Aminobenzene)	10	U
120-12-7	Anthracene	10	U
92-87-5	Benzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
50-32-8	Benzo(a)pyrene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
65-85-0	Benzoic Acid	21	U
100-51-6	Benzyl Alcohol	10	U
85-68-7	Benzyl Butyl Phthalate	10	U
86-74-8	Carbazole	10	U
218-01-9	Chrysene	10	U
53-70-3	Dibenz(a,h)Anthracene	10	U
132-64-9	Dibenzofuran	10	U
84-66-2	Diethyl Phthalate	10	U
131-11-3	Dimethyl Phthalate	10	U
206-44-0	Fluoranthene	10	U
86-73-7	Fluorene	10	U
118-74-1	Hexachlorobenzene	10	U
87-68-3	Hexachlorobutadiene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
67-72-1	Hexachloroethane	10	U
193-39-5	Indeno(1,2,3-c,d)Pyrene	10	U
78-59-1	Isophorone	10	U
91-20-3	Naphthalene	10	U
98-95-3	Nitrobenzene	10	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SW-4-031705

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code	GPL	SAS NO. :	
Case No.		SDG NO :	503077
Matrix : (Soil / Water)	WATER	Lab Sample ID :	503077-012-040-1/2
Sample Volume :	960	Lab File ID :	T23315.D
% Moisture:		Date Received	03/17/2005
Extraction:	SW3520C	Date Extracte	03/22/2005
Extract Volume	1 mL	Date Analyzed	03/28/2005
Injection Volume :	1 µL	Dilution Factor	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
87-86-5	Pentachlorophenol	21	U
85-01-8	Phenanthrene	10	U
108-95-2	Phenol	10	U
129-00-0	Pyrene	10	U
110-86-1	Pyridine	10	U
111-91-1	bis(2-chloroethoxy) methane	10	U
111-44-4	bis(2-chloroethyl) ether	10	U
117-81-7	bis(2-ethylhexyl) phthalate	1.5	J
84-74-2	di-n-Butyl Phthalate	10	U
117-84-0	di-n-Octyl Phthalate	10	U
621-64-7	n-Nitrosodi-n-Propylamine	10	U
62-75-9	n-Nitrosodimethylamine	10	U
86-30-6	n-Nitrosodiphenylamine	10	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SW-5-031705

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code	GPL	SAS NO. :	
Case No.		SDG NO :	503077
Matrix : (Soil / Water)	WATER	Lab Sample ID :	503077-010-038-1/2
Sample Volume :	950	Lab File ID :	T23314.D
% Moisture:		Date Received	03/17/2005
Extraction:	SW3520C	Date Extracte	03/22/2005
Extract Volume	1 mL	Date Analyzed	03/28/2005
Injection Volume :	1 µL	Dilution Factor	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
120-82-1	1,2,4-Trichlorobenzene	11	U
95-50-1	1,2-Dichlorobenzene	11	U
122-66-7	1,2-Diphenylhydrazine	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U
108-60-1	2,2-Oxybis(1-Chloropropane)	11	U
95-95-4	2,4,5-Trichlorophenol	11	U
88-06-2	2,4,6-Trichlorophenol	11	U
120-83-2	2,4-Dichlorophenol	11	U
105-67-9	2,4-Dimethylphenol	11	U
51-28-5	2,4-Dinitrophenol	21	U
121-14-2	2,4-Dinitrotoluene	11	U
606-20-2	2,6-Dinitrotoluene	11	U
91-58-7	2-Chloronaphthalene	11	U
95-57-8	2-Chlorophenol	11	U
91-57-6	2-Methylnaphthalene	11	U
88-74-4	2-Nitroanilne	11	U
88-75-5	2-Nitrophenol	11	U
95-48-7	2-methylphenol	11	U
91-94-1	3,3-Dichlorobenzidine	21	U
99-09-2	3-Nitroaniline	11	U
534-52-1	4,6-dinitro-2-methyl phenol	21	U
101-55-3	4-Bromophenyl-phenylether	11	U
106-47-8	4-Chloroaniline	11	U
7005-72-3	4-Chlorophenyl Phenyl Ether	11	U
100-01-6	4-Nitroaniline	11	U
100-02-7	4-Nitrophenol	21	U
59-50-7	4-chloro-3-methylphenol	11	U
106-44-5	4-methylphenol	11	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SW-5-031705

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code	GPL	SAS NO. :	
Case No.		SDG NO :	503077
Matrix : (Soil / Water)	WATER	Lab Sample ID :	503077-010-038-1/2
Sample Volume :	950	Lab File ID :	T23314.D
% Moisture:		Date Received	03/17/2005
Extraction:	SW3520C	Date Extracte	03/22/2005
Extract Volume	1 mL	Date Analyzed	03/28/2005
Injection Volume :	1 µ L	Dilution Factor	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
83-32-9	Acenaphthene	11	U
208-96-8	Acenaphthylene	11	U
62-53-3	Aniline (Phenylamine, Aminobenzene)	11	U
120-12-7	Anthracene	11	U
92-87-5	Benzidine	11	U
56-55-3	Benzo(a)anthracene	11	U
50-32-8	Benzo(a)pyrene	11	U
205-99-2	Benzo(b)fluoranthene	11	U
191-24-2	Benzo(g,h,i)perylene	11	U
207-08-9	Benzo(k)fluoranthene	11	U
65-85-0	Benzoic Acid	21	U
100-51-6	Benzyl Alcohol	11	U
85-68-7	Benzyl Butyl Phthalate	11	U
86-74-8	Carbazole	11	U
218-01-9	Chrysene	11	U
53-70-3	Dibenz(a,h)Anthracene	11	U
132-64-9	Dibenzofuran	11	U
84-66-2	Diethyl Phthalate	11	U
131-11-3	Dimethyl Phthalate	11	U
206-44-0	Fluoranthene	11	U
86-73-7	Fluorene	11	U
118-74-1	Hexachlorobenzene	11	U
87-68-3	Hexachlorobutadiene	11	U
77-47-4	Hexachlorocyclopentadiene	11	U
67-72-1	Hexachloroethane	11	U
193-39-5	Indeno(1,2,3-c,d)Pyrene	11	U
78-59-1	Isophorone	11	U
91-20-3	Naphthalene	11	U
98-95-3	Nitrobenzene	11	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SW-5-031705

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code	GPL	SAS NO. :	
Case No.		SDG NO :	503077
Matrix : (Soil / Water)	WATER	Lab Sample ID :	503077-010-038-1/2
Sample Volume :	950	Lab File ID :	T23314.D
% Moisture:		Date Received	03/17/2005
Extraction:	SW3520C	Date Extracte	03/22/2005
Extract Volume	1 mL	Date Analyzed	03/28/2005
Injection Volume :	1 µL	Dilution Factor	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
87-86-5	Pentachlorophenol	21	U
85-01-8	Phenanthrene	11	U
108-95-2	Phenol	11	U
129-00-0	Pyrene	11	U
110-86-1	Pyridine	11	U
111-91-1	bis(2-chloroethoxy) methane	11	U
111-44-4	bis(2-chloroethyl) ether	11	U
117-81-7	bis(2-ethylhexyl) phthalate	3.8	J
84-74-2	di-n-Butyl Phthalate	11	U
117-84-0	di-n-Octyl Phthalate	11	U
621-64-7	n-Nitrosodi-n-Propylamine	11	U
62-75-9	n-Nitrosodimethylamine	11	U
86-30-6	n-Nitrosodiphenylamine	11	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SW-6-031705

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code	GPL	SAS NO. :	
Case No.		SDG NO :	503077
Matrix : (Soil / Water)	WATER	Lab Sample ID :	503077-008-036-1/2
Sample Volume :	950	Lab File ID :	T23304.D
% Moisture:		Date Received	03/17/2005
Extraction:	SW3520C	Date Extracte	03/22/2005
Extract Volume	1 mL	Date Analyzed	03/25/2005
Injection Volume :	1 µL	Dilution Factor	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
120-82-1	1,2,4-Trichlorobenzene	11	U
95-50-1	1,2-Dichlorobenzene	11	U
122-66-7	1,2-Diphenylhydrazine	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U
108-60-1	2,2-Oxybis(1-Chloropropane)	11	U
95-95-4	2,4,5-Trichlorophenol	11	U
88-06-2	2,4,6-Trichlorophenol	11	U
120-83-2	2,4-Dichlorophenol	11	U
105-67-9	2,4-Dimethylphenol	11	U
51-28-5	2,4-Dinitrophenol	21	U
121-14-2	2,4-Dinitrotoluene	11	U
606-20-2	2,6-Dinitrotoluene	11	U
91-58-7	2-Chloronaphthalene	11	U
95-57-8	2-Chlorophenol	11	U
91-57-6	2-Methylnaphthalene	11	U
88-74-4	2-Nitroaniline	11	U
88-75-5	2-Nitrophenol	11	U
95-48-7	2-methylphenol	11	U
91-94-1	3,3-Dichlorobenzidine	21	U
99-09-2	3-Nitroaniline	11	U
534-52-1	4,6-dinitro-2-methyl phenol	21	U
101-55-3	4-Bromophenyl-phenylether	11	U
106-47-8	4-Chloroaniline	11	U
7005-72-3	4-Chlorophenyl Phenyl Ether	11	U
100-01-6	4-Nitroaniline	11	U
100-02-7	4-Nitrophenol	21	U
59-50-7	4-chloro-3-methylphenol	11	U
106-44-5	4-methylphenol	11	U

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

SAMPLE NO
SW-6-031705

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code	GPL	SAS NO. :	
Case No.		SDG NO :	503077
Matrix : (Soil / Water)	WATER	Lab Sample ID :	503077-008-036-1/2
Sample Volume :	950	Lab File ID :	T23304.D
% Moisture:		Date Received	03/17/2005
Extraction:	SW3520C	Date Extracte	03/22/2005
Extract Volume	1 mL	Date Analyzed	03/25/2005
Injection Volume :	1 µL	Dilution Factor	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
83-32-9	Acenaphthene	11	U
208-96-8	Acenaphthylene	11	U
62-53-3	Aniline (Phenylamine, Aminobenzene)	11	U
120-12-7	Anthracene	11	U
92-87-5	Benzidine	11	U
56-55-3	Benzo(a)anthracene	11	U
50-32-8	Benzo(a)pyrene	11	U
205-99-2	Benzo(b)fluoranthene	11	U
191-24-2	Benzo(g,h,i)perylene	11	U
207-08-9	Benzo(k)fluoranthene	11	U
65-85-0	Benzoic Acid	21	U
100-51-6	Benzyl Alcohol	11	U
85-68-7	Benzyl Butyl Phthalate	11	U
86-74-8	Carbazole	11	U
218-01-9	Chrysene	11	U
53-70-3	Dibenz(a,h)Anthracene	11	U
132-64-9	Dibenzofuran	11	U
84-66-2	Diethyl Phthalate	11	U
131-11-3	Dimethyl Phthalate	11	U
206-44-0	Fluoranthene	11	U
86-73-7	Fluorene	11	U
118-74-1	Hexachlorobenzene	11	U
87-68-3	Hexachlorobutadiene	11	U
77-47-4	Hexachlorocyclopentadiene	11	U
67-72-1	Hexachloroethane	11	U
193-39-5	Indeno(1,2,3-c,d)Pyrene	11	U
78-59-1	Isophorone	11	U
91-20-3	Naphthalene	11	U
98-95-3	Nitrobenzene	11	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SW-6-031705

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code	GPL	SAS NO. :	
Case No.		SDG NO :	503077
Matrix : (Soil / Water)	WATER	Lab Sample ID :	503077-008-036-1/2
Sample Volume :	950	Lab File ID :	T23304.D
% Moisture:		Date Received	03/17/2005
Extraction:	SW3520C	Date Extracte	03/22/2005
Extract Volume	1 mL	Date Analyzed	03/25/2005
Injection Volume :	1 µL	Dilution Factor	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
87-86-5	Pentachlorophenol	21	U
85-01-8	Phenanthrene	11	U
108-95-2	Phenol	11	U
129-00-0	Pyrene	11	U
110-86-1	Pyridine	11	U
111-91-1	bis(2-chloroethoxy) methane	11	U
111-44-4	bis(2-chloroethyl) ether	11	U
117-81-7	bis(2-ethylhexyl) phthalate	6.9	J
84-74-2	di-n-Butyl Phthalate	2.5	J
117-84-0	di-n-Octyl Phthalate	11	U
621-64-7	n-Nitrosodi-n-Propylamine	11	U
62-75-9	n-Nitrosodimethylamine	11	U
86-30-6	n-Nitrosodiphenylamine	11	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SW-7-031705

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code	GPL	SAS NO. :	
Case No.		SDG NO :	503077
Matrix : (Soil / Water)	WATER	Lab Sample ID :	503077-006-034-1/2
Sample Volume :	940	Lab File ID :	T23303.D
% Moisture:		Date Received	03/17/2005
Extraction:	SW3520C	Date Extracte	03/22/2005
Extract Volume	1 mL	Date Analyzed	03/25/2005
Injection Volume :	1 µL	Dilution Factor	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
120-82-1	1,2,4-Trichlorobenzene	11	U
95-50-1	1,2-Dichlorobenzene	11	U
122-66-7	1,2-Diphenylhydrazine	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U
108-60-1	2,2-Oxybis(1-Chloropropane)	11	U
95-95-4	2,4,5-Trichlorophenol	11	U
88-06-2	2,4,6-Trichlorophenol	11	U
120-83-2	2,4-Dichlorophenol	11	U
105-67-9	2,4-Dimethylphenol	11	U
51-28-5	2,4-Dinitrophenol	21	U
121-14-2	2,4-Dinitrotoluene	11	U
606-20-2	2,6-Dinitrotoluene	11	U
91-58-7	2-Chloronaphthalene	11	U
95-57-8	2-Chlorophenol	11	U
91-57-6	2-Methylnaphthalene	11	U
88-74-4	2-Nitroaniline	11	U
88-75-5	2-Nitrophenol	11	U
95-48-7	2-methylphenol	11	U
91-94-1	3,3-Dichlorobenzidine	21	U
99-09-2	3-Nitroaniline	11	U
534-52-1	4,6-dinitro-2-methyl phenol	21	U
101-55-3	4-Bromophenyl-phenylether	11	U
106-47-8	4-Chloroaniline	11	U
7005-72-3	4-Chlorophenyl Phenyl Ether	11	U
100-01-6	4-Nitroaniline	11	U
100-02-7	4-Nitrophenol	21	U
59-50-7	4-chloro-3-methylphenol	11	U
106-44-5	4-methylphenol	11	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SW-7-031705

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code	GPL	SAS NO. :	
Case No.		SDG NO :	503077
Matrix : (Soil / Water)	WATER	Lab Sample ID :	503077-006-034-1/2
Sample Volume :	940	Lab File ID :	T23303.D
% Moisture:		Date Received	03/17/2005
Extraction:	SW3520C	Date Extracte	03/22/2005
Extract Volume	1 mL	Date Analyzed	03/25/2005
Injection Volume :	1 µ L	Dilution Factor	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
83-32-9	Acenaphthene	11	U
208-96-8	Acenaphthylene	11	U
62-53-3	Aniline (Phenylamine, Aminobenzene)	11	U
120-12-7	Anthracene	11	U
92-87-5	Benzidine	11	U
56-55-3	Benzo(a)anthracene	11	U
50-32-8	Benzo(a)pyrene	11	U
205-99-2	Benzo(b)fluoranthene	11	U
191-24-2	Benzo(g,h,i)perylene	11	U
207-08-9	Benzo(k)fluoranthene	11	U
65-85-0	Benzoic Acid	21	U
100-51-6	Benzyl Alcohol	11	U
85-68-7	Benzyl Butyl Phthalate	11	U
86-74-8	Carbazole	11	U
218-01-9	Chrysene	11	U
53-70-3	Dibenz(a,h)Anthracene	11	U
132-64-9	Dibenzofuran	11	U
84-66-2	Diethyl Phthalate	11	U
131-11-3	Dimethyl Phthalate	11	U
206-44-0	Fluoranthene	11	U
86-73-7	Fluorene	11	U
118-74-1	Hexachlorobenzene	11	U
87-68-3	Hexachlorobutadiene	11	U
77-47-4	Hexachlorocyclopentadiene	11	U
67-72-1	Hexachloroethane	11	U
193-39-5	Indeno(1,2,3-c,d)Pyrene	11	U
78-59-1	Isophorone	11	U
91-20-3	Naphthalene	11	U
98-95-3	Nitrobenzene	11	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SW-7-031705

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code	GPL	SAS NO. :	
Case No.		SDG NO :	503077
Matrix : (Soil / Water)	WATER	Lab Sample ID :	503077-006-034-1/2
Sample Volume :	940	Lab File ID :	T23303.D
% Moisture:		Date Received	03/17/2005
Extraction:	SW3520C	Date Extracte	03/22/2005
Extract Volume	1 mL	Date Analyzed	03/25/2005
Injection Volume :	1 µL	Dilution Factor	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
87-86-5	Pentachlorophenol	21	U
85-01-8	Phenanthrene	11	U
108-95-2	Phenol	11	U
129-00-0	Pyrene	11	U
110-86-1	Pyridine	11	U
111-91-1	bis(2-chloroethoxy) methane	11	U
111-44-4	bis(2-chloroethyl) ether	11	U
117-81-7	bis(2-ethylhexyl) phthalate	3.0	J
84-74-2	dl-n-Butyl Phthalate	11	U
117-84-0	di-n-Octyl Phthalate	11	U
621-64-7	n-Nitrosodl-n-Propylamine	11	U
62-75-9	n-Nitrosodimethylamine	11	U
86-30-6	n-Nitrosodiphenylamine	11	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SD-04-031705

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code	GPL	SAS NO. :	
Case No.		SDG NO :	503077
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	503077-018-097-1/1
Sample Volume :	30	Lab File ID :	T23343.D
% Moisture:	27.86	Date Received	03/17/2005
Extraction:	SW3550	Date Extracte	03/29/2005
Extract Volume	1 mL	Date Analyzed	03/29/2005
Injection Volume :	1 µL	Dilution Factor	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
120-82-1	1,2,4-Trichlorobenzene	460	U
95-50-1	1,2-Dichlorobenzene	460	U
122-66-7	1,2-Diphenylhydrazine	460	U
541-73-1	1,3-Dichlorobenzene	460	U
106-46-7	1,4-Dichlorobenzene	460	U
108-60-1	2,2-Oxybis(1-Chloropropane)	460	U
95-95-4	2,4,5-Trichlorophenol	460	U
88-06-2	2,4,6-Trichlorophenol	460	U
120-83-2	2,4-Dichlorophenol	460	U
105-67-9	2,4-Dimethylphenol	460	U
51-28-5	2,4-Dinitrophenol	920	U
121-14-2	2,4-Dinitrotoluene	460	U
606-20-2	2,6-Dinitrotoluene	460	U
91-58-7	2-Chloronaphthalene	460	U
95-57-8	2-Chlorophenol	460	U
91-57-6	2-Methylnaphthalene	34	J
88-74-4	2-Nitroaniline	460	U
88-75-5	2-Nitrophenol	460	U
95-48-7	2-methylphenol	460	U
91-94-1	3,3-Dichlorobenzidine	920	U
99-09-2	3-Nitroaniline	460	U
534-52-1	4,6-dinitro-2-methyl phenol	920	U
101-55-3	4-Bromophenyl-phenylether	460	U
106-47-8	4-Chloroaniline	460	U
7005-72-3	4-Chlorophenyl Phenyl Ether	460	U
100-01-6	4-Nitroaniline	460	U
100-02-7	4-Nitrophenol	920	U
59-50-7	4-chloro-3-methylphenol	460	U
106-44-5	4-methylphenol	460	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SD-04-031705

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code	GPL	SAS NO. :	
Case No.		SDG NO :	503077
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	503077-018-097-1/1
Sample Volume :	30	Lab File ID :	T23343.D
% Moisture:	27.86	Date Received	03/17/2005
Extraction:	SW3550	Date Extracte	03/29/2005
Extract Volume	1 mL	Date Analyzed	03/29/2005
Injection Volume :	1 µL	Dilution Factor	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
83-32-9	Acenaphthene	460	U
208-96-8	Acenaphthylene	55	J
62-53-3	Aniline (Phenylamine, Aminobenzene)	460	U
120-12-7	Anthracene	200	J
92-87-5	Benzidine	460	U
56-55-3	Benzo(a)anthracene	750	
50-32-8	Benzo(a)pyrene	630	
205-99-2	Benzo(b)fluoranthene	710	
191-24-2	Benzo(g,h,i)perylene	390	J
207-08-9	Benzo(k)fluoranthene	270	J
65-85-0	Benzoic Acid	920	U
100-51-6	Benzyl Alcohol	460	U
85-68-7	Benzyl Butyl Phthalate	460	U
86-74-8	Carbazole	460	U
218-01-9	Chrysene	830	
53-70-3	Dibenz(a,h)Anthracene	460	U
132-64-9	Dibenzofuran	460	U
84-66-2	Diethyl Phthalate	460	U
131-11-3	Dimethyl Phthalate	460	U
206-44-0	Fluoranthene	1400	
86-73-7	Fluorene	130	J
118-74-1	Hexachlorobenzene	460	U
87-68-3	Hexachlorobutadiene	460	U
77-47-4	Hexachlorocyclopentadiene	460	U
67-72-1	Hexachloroethane	460	U
193-39-5	Indeno(1,2,3-c,d)Pyrene	330	J
78-59-1	Isophorone	460	U
91-20-3	Naphthalene	460	U
98-95-3	Nitrobenzene	460	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SD-04-031705

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code	GPL	SAS NO. :	
Case No.		SDG NO :	503077
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	503077-018-097-1/1
Sample Volume :	30	Lab File ID :	T23343.D
% Moisture:	27.86	Date Received	03/17/2005
Extraction:	SW3550	Date Extracte	03/29/2005
Extract Volume	1 mL	Date Analyzed	03/29/2005
Injection Volume :	1 µL	Dilution Factor	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
87-86-5	Pentachlorophenol	920	U
85-01-8	Phenanthrene	1400	
108-95-2	Phenol	460	U
129-00-0	Pyrene	1800	
110-86-1	Pyridine	460	U
111-91-1	bis(2-chloroethoxy) methane	460	U
111-44-4	bis(2-chloroethyl) ether	460	U
117-81-7	bis(2-ethylhexyl) phthalate	400	J
84-74-2	di-n-Butyl Phthalate	460	U
117-84-0	di-n-Octyl Phthalate	460	U
621-64-7	n-Nitrosodi-n-Propylamine	460	U
62-75-9	n-Nitrosodimethylamine	460	U
86-30-6	n-Nitrosodiphenylamine	460	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SD-1-031705

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code	GPL	SAS NO. :	
Case No.		SDG NO :	503077
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	503077-016-095-1/1
Sample Volume :	30	Lab File ID :	T23341.D
% Moisture:	18.69	Date Received	03/17/2005
Extraction:	SW3550	Date Extracte	03/29/2005
Extract Volume	1 mL	Date Analyzed	03/29/2005
Injection Volume :	1 µL	Dilution Factor	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
120-82-1	1,2,4-Trichlorobenzene	410	U
95-50-1	1,2-Dichlorobenzene	410	U
122-66-7	1,2-Diphenylhydrazine	410	U
541-73-1	1,3-Dichlorobenzene	410	U
106-46-7	1,4-Dichlorobenzene	410	U
108-60-1	2,2-Oxybis(1-Chloropropane)	410	U
95-95-4	2,4,5-Trichlorophenol	410	U
88-06-2	2,4,6-Trichlorophenol	410	U
120-83-2	2,4-Dichlorophenol	410	U
105-67-9	2,4-Dimethylphenol	410	U
51-28-5	2,4-Dinitrophenol	820	U
121-14-2	2,4-Dinitrotoluene	410	U
606-20-2	2,6-Dinitrotoluene	410	U
91-58-7	2-Chloronaphthalene	410	U
95-57-8	2-Chlorophenol	410	U
91-57-6	2-Methylnaphthalene	30	J
88-74-4	2-Nitroaniline	410	U
88-75-5	2-Nitrophenol	410	U
95-48-7	2-methylphenol	410	U
91-94-1	3,3-Dichlorobenzidine	820	U
99-09-2	3-Nitroaniline	410	U
534-52-1	4,6-dinitro-2-methyl phenol	820	U
101-55-3	4-Bromophenyl-phenylether	410	U
106-47-8	4-Chloroaniline	410	U
7005-72-3	4-Chlorophenyl Phenyl Ether	410	U
100-01-6	4-Nitroaniline	410	U
100-02-7	4-Nitrophenol	820	U
59-50-7	4-chloro-3-methylphenol	410	U
106-44-5	4-methylphenol	410	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SD-1-031705

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code	GPL	SAS NO. :	
Case No.		SDG NO :	503077
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	503077-016-095-1/1
Sample Volume :	30	Lab File ID :	T23341.D
% Moisture:	18.69	Date Received	03/17/2005
Extraction:	SW3550	Date Extracte	03/29/2005
Extract Volume	1 mL	Date Analyzed	03/29/2005
Injection Volume :	1 µL	Dilution Factor	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
83-32-9	Acenaphthene	410	U
208-96-8	Acenaphthylene	180	J
62-53-3	Aniline (Phenylamine, Aminobenzene)	410	U
120-12-7	Anthracene	140	J
92-87-5	Benzidine	410	U
56-55-3	Benzo(a)anthracene	650	
50-32-8	Benzo(a)pyrene	530	
205-99-2	Benzo(b)fluoranthene	800	
191-24-2	Benzo(g,h,i)perylene	320	J
207-08-9	Benzo(k)fluoranthene	190	J
65-85-0	Benzoic Acid	820	U
100-51-6	Benzyl Alcohol	410	U
85-68-7	Benzyl Butyl Phthalate	2500	
86-74-8	Carbazole	410	U
218-01-9	Chrysene	730	
53-70-3	Dibenz(a,h)Anthracene	410	U
132-64-9	Dibenzofuran	410	U
84-66-2	Diethyl Phthalate	410	U
131-11-3	Dimethyl Phthalate	410	U
206-44-0	Fluoranthene	1000	
86-73-7	Fluorene	54	J
118-74-1	Hexachlorobenzene	410	U
87-68-3	Hexachlorobutadiene	410	U
77-47-4	Hexachlorocyclopentadiene	410	U
67-72-1	Hexachloroethane	410	U
193-39-5	Indeno(1,2,3-c,d)Pyrene	280	J
78-59-1	Isophorone	410	U
91-20-3	Naphthalene	410	U
98-95-3	Nitrobenzene	410	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SD-1-031705

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code	GPL	SAS NO. :	
Case No.		SDG NO :	503077
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	503077-016-095-1/1
Sample Volume :	30	Lab File ID :	T23341.D
% Moisture:	18.69	Date Received	03/17/2005
Extraction:	SW3550	Date Extracte	03/29/2005
Extract Volume	1 mL	Date Analyzed	03/29/2005
Injection Volume :	1 µL	Dilution Factor	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
87-86-5	Pentachlorophenol	820	U
85-01-8	Phenanthrene	550	
108-95-2	Phenol	410	U
129-00-0	Pyrene	1200	
110-86-1	Pyridine	410	U
111-91-1	bis(2-chloroethoxy) methane	410	U
111-44-4	bis(2-chloroethyl) ether	410	U
117-81-7	bis(2-ethylhexyl) phthalate	730	
84-74-2	di-n-Butyl Phthalate	410	U
117-84-0	di-n-Octyl Phthalate	410	U
621-64-7	n-Nitrosodi-n-Propylamine	410	U
62-75-9	n-Nitrosodimethylamine	410	U
86-30-6	n-Nitrosodiphenylamine	410	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SD-3-031705

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code	GPL	SAS NO. :	
Case No.		SDG NO :	503077
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	503077-017-096-1/1
Sample Volume :	30	Lab File ID :	T23342.D
% Moisture:	15.38	Date Received	03/17/2005
Extraction:	SW3550	Date Extracte	03/29/2005
Extract Volume	1 mL	Date Analyzed	03/29/2005
Injection Volume :	1 µL	Dilution Factor	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
120-82-1	1,2,4-Trichlorobenzene	390	U
95-50-1	1,2-Dichlorobenzene	390	U
122-66-7	1,2-Diphenylhydrazine	390	U
541-73-1	1,3-Dichlorobenzene	390	U
106-46-7	1,4-Dichlorobenzene	390	U
108-60-1	2,2-Oxybis(1-Chloropropane)	390	U
95-95-4	2,4,5-Trichlorophenol	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
120-83-2	2,4-Dichlorophenol	390	U
105-67-9	2,4-Dimethylphenol	390	U
51-28-5	2,4-Dinitrophenol	790	U
121-14-2	2,4-Dinitrotoluene	390	U
606-20-2	2,6-Dinitrotoluene	390	U
91-58-7	2-Chloronaphthalene	390	U
95-57-8	2-Chlorophenol	390	U
91-57-6	2-Methylnaphthalene	390	U
88-74-4	2-Nitroaniline	390	U
88-75-5	2-Nitrophenol	390	U
95-48-7	2-methylphenol	390	U
91-94-1	3,3-Dichlorobenzidine	790	U
99-09-2	3-Nitroaniline	390	U
534-52-1	4,6-dinitro-2-methyl phenol	790	U
101-55-3	4-Bromophenyl-phenylether	390	U
106-47-8	4-Chloroaniline	390	U
7005-72-3	4-Chlorophenyl Phenyl Ether	390	U
100-01-6	4-Nitroaniline	390	U
100-02-7	4-Nitrophenol	790	U
59-50-7	4-chloro-3-methylphenol	390	U
106-44-5	4-methylphenol	390	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SD-3-031705

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code	GPL	SAS NO. :	
Case No.		SDG NO :	503077
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	503077-017-096-1/1
Sample Volume :	30	Lab File ID :	T23342.D
% Moisture:	15.38	Date Received	03/17/2005
Extraction:	SW3550	Date Extracte	03/29/2005
Extract Volume	1 mL	Date Analyzed	03/29/2005
Injection Volume :	1 µ L	Dilution Factor	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
83-32-9	Acenaphthene	390	U
208-96-8	Acenaphthylene	390	U
62-53-3	Aniline (Phenylamine, Aminobenzene)	390	U
120-12-7	Anthracene	100	J
92-87-5	Benzidine	390	U
56-55-3	Benzo(a)anthracene	410	
50-32-8	Benzo(a)pyrene	420	
205-99-2	Benzo(b)fluoranthene	530	
191-24-2	Benzo(g,h,i)perylene	300	J
207-08-9	Benzo(k)fluoranthene	170	J
65-85-0	Benzoic Acid	790	U
100-51-6	Benzyl Alcohol	390	U
85-68-7	Benzyl Butyl Phthalate	390	U
86-74-8	Carbazole	390	U
218-01-9	Chrysene	450	
53-70-3	Dibenz(a,h)Anthracene	390	U
132-64-9	Dibenzofuran	390	U
84-66-2	Diethyl Phthalate	390	U
131-11-3	Dimethyl Phthalate	390	U
206-44-0	Fluoranthene	750	
86-73-7	Fluorene	390	U
118-74-1	Hexachlorobenzene	390	U
87-68-3	Hexachlorobutadiene	390	U
77-47-4	Hexachlorocyclopentadiene	390	U
67-72-1	Hexachloroethane	390	U
193-39-5	Indeno(1,2,3-c,d)Pyrene	250	J
78-59-1	Isophorone	390	U
91-20-3	Naphthalene	390	U
98-95-3	Nitrobenzene	390	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SD-3-031705

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code	GPL	SAS NO. :	
Case No.		SDG NO :	503077
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	503077-017-096-1/1
Sample Volume :	30	Lab File ID :	T23342.D
% Moisture:	15.38	Date Received	03/17/2005
Extraction:	SW3550	Date Extracte	03/29/2005
Extract Volume	1 mL	Date Analyzed	03/29/2005
Injection Volume :	1 µL	Dilution Factor	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
87-86-5	Pentachlorophenol	790	U
85-01-8	Phenanthrene	450	
108-95-2	Phenol	390	U
129-00-0	Pyrene	880	
110-86-1	Pyridine	390	U
111-91-1	bis(2-chloroethoxy) methane	390	U
111-44-4	bis(2-chloroethyl) ether	390	U
117-81-7	bis(2-ethylhexyl) phthalate	370	J
84-74-2	di-n-Butyl Phthalate	390	U
117-84-0	di-n-Octyl Phthalate	390	U
621-64-7	n-Nitrosodi-n-Propylamine	390	U
62-75-9	n-Nitrosodimethylamine	390	U
86-30-6	n-Nitrosodiphenylamine	390	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SD-04-031705

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	503077
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	503077-018-097-1/1
Sample Volume :	30	Lab File ID :	U018669.D
% Moisture:	27.86	Date Received	03/17/2005
Extraction:	SW3550	Date Extracted:	03/25/2005
Extract Volume:	10 mL	Date Analyzed	03/30/2005
Injection Volume :	1 µL	Dilution Factor :	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
12674-11-2	PCB-1016	46	U
11104-28-2	PCB-1221	46	U
11141-16-5	PCB-1232	46	U
53469-21-9	PCB-1242	46	U
12672-29-6	PCB-1248	46	U
11097-69-1	PCB-1254	46	U
11096-82-5	PCB-1260	46	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SD-1-031705

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	503077
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	503077-016-095-1/1
Sample Volume :	30	Lab File ID :	U018667.D
% Moisture:	18.69	Date Received	03/17/2005
Extraction:	SW3550	Date Extracted:	03/25/2005
Extract Volume:	10 mL	Date Analyzed	03/30/2005
Injection Volume :	1 µL	Dilution Factor :	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO.	COMPOUND		Q
12674-11-2	PCB-1016	41	U
11104-28-2	PCB-1221	41	U
11141-16-5	PCB-1232	41	U
53469-21-9	PCB-1242	41	U
12672-29-6	PCB-1248	41	U
11097-69-1	PCB-1254	41	U
11096-82-5	PCB-1260	41	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SD-3-031705

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	503077
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	503077-017-096-1/1
Sample Volume :	30	Lab File ID :	U018668.D
% Moisture:	15.38	Date Received	03/17/2005
Extraction:	SW3550	Date Extracted:	03/25/2005
Extract Volume:	10 mL	Date Analyzed	03/30/2005
Injection Volume :	1 µL	Dilution Factor :	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
12674-11-2	PCB-1016	39	U
11104-28-2	PCB-1221	39	U
11141-16-5	PCB-1232	39	U
53469-21-9	PCB-1242	39	U
12672-29-6	PCB-1248	39	U
11097-69-1	PCB-1254	39	U
11096-82-5	PCB-1260	53	

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SW-1-031705

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	503077
Matrix : (Soil / Water)	WATER	Lab Sample ID :	503077-002-048-1/2
Sample Volume :	900	Lab File ID :	U018712.D
% Moisture:		Date Received	03/17/2005
Extraction:	SW3520C	Date Extracted:	03/22/2005
Extract Volume:	10 mL	Date Analyzed	04/05/2005
Injection Volume :	1 µL	Dilution Factor :	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
12674-11-2	PCB-1016	1.1	U
11104-28-2	PCB-1221	1.1	U
11141-16-5	PCB-1232	1.1	U
53469-21-9	PCB-1242	1.1	U
12672-29-6	PCB-1248	1.1	U
11097-69-1	PCB-1254	1.1	U
11096-82-5	PCB-1260	1.1	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SW-2-031705

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	503077
Matrix : (Soil / Water)	WATER	Lab Sample ID :	503077-004-050-1/2
Sample Volume :	950	Lab File ID :	U018713.D
% Moisture:		Date Received	03/17/2005
Extraction:	SW3520C	Date Extracted:	03/22/2005
Extract Volume:	10 mL	Date Analyzed	04/05/2005
Injection Volume :	1 µL	Dilution Factor :	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
12674-11-2	PCB-1016	1.1	U
11104-28-2	PCB-1221	1.1	U
11141-16-5	PCB-1232	1.1	U
53469-21-9	PCB-1242	1.1	U
12672-29-6	PCB-1248	1.1	U
11097-69-1	PCB-1254	1.1	U
11096-82-5	PCB-1260	1.1	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SW-3-031705

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	503077
Matrix : (Soil / Water)	WATER	Lab Sample ID :	503077-014-081-1/5
Sample Volume :	950	Lab File ID :	U018718.D
% Moisture:		Date Received	03/17/2005
Extraction:	SW3520C	Date Extracted:	03/22/2005
Extract Volume:	10 mL	Date Analyzed	04/05/2005
Injection Volume :	1 µL	Dilution Factor :	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
12674-11-2	PCB-1016	1.1	U
11104-28-2	PCB-1221	1.1	U
11141-16-5	PCB-1232	1.1	U
53469-21-9	PCB-1242	1.1	U
12672-29-6	PCB-1248	1.1	U
11097-69-1	PCB-1254	1.1	U
11096-82-5	PCB-1260	1.1	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SW-4-031705

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	503077
Matrix : (Soil / Water)	WATER	Lab Sample ID :	503077-012-058-1/2
Sample Volume :	960	Lab File ID :	U018717.D
% Moisture:		Date Received	03/17/2005
Extraction:	SW3520C	Date Extracted:	03/22/2005
Extract Volume:	10 mL	Date Analyzed	04/05/2005
Injection Volume :	1 µL	Dilution Factor :	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
12674-11-2	PCB-1016	1.0	U
11104-28-2	PCB-1221	1.0	U
11141-16-5	PCB-1232	1.0	U
53469-21-9	PCB-1242	1.0	U
12672-29-6	PCB-1248	1.0	U
11097-69-1	PCB-1254	1.0	U
11096-82-5	PCB-1260	1.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SW-5-031705

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	503077
Matrix : (Soil / Water)	WATER	Lab Sample ID :	503077-010-056-1/2
Sample Volume :	950	Lab File ID :	U018716.D
% Moisture:		Date Received	03/17/2005
Extraction:	SW3520C	Date Extracted:	03/22/2005
Extract Volume:	10 mL	Date Analyzed	04/05/2005
Injection Volume :	1 µL	Dilution Factor :	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
12674-11-2	PCB-1016	1.1	U
11104-28-2	PCB-1221	1.1	U
11141-16-5	PCB-1232	1.1	U
53469-21-9	PCB-1242	1.1	U
12672-29-6	PCB-1248	1.1	U
11097-69-1	PCB-1254	1.1	U
11096-82-5	PCB-1260	1.1	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SW-6-031705

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	503077
Matrix : (Soil / Water)	WATER	Lab Sample ID :	503077-008-054-1/2
Sample Volume :	950	Lab File ID :	U018715.D
% Moisture:		Date Received	03/17/2005
Extraction:	SW3520C	Date Extracted:	03/22/2005
Extract Volume:	10 mL	Date Analyzed	04/05/2005
Injection Volume :	1 µL	Dilution Factor :	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
12674-11-2	PCB-1016	1.1	U
11104-28-2	PCB-1221	1.1	U
11141-16-5	PCB-1232	1.1	U
53469-21-9	PCB-1242	1.1	U
12672-29-6	PCB-1248	1.1	U
11097-69-1	PCB-1254	1.1	U
11096-82-5	PCB-1260	1.1	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SW-7-031705

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	503077
Matrix : (Soil / Water)	WATER	Lab Sample ID :	503077-006-052-1/2
Sample Volume :	950	Lab File ID :	U018714.D
% Moisture:		Date Received	03/17/2005
Extraction:	SW3520C	Date Extracted:	03/22/2005
Extract Volume:	10 mL	Date Analyzed	04/05/2005
Injection Volume :	1 µL	Dilution Factor :	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
12674-11-2	PCB-1016	1.1	U
11104-28-2	PCB-1221	1.1	U
11141-16-5	PCB-1232	1.1	U
53469-21-9	PCB-1242	1.1	U
12672-29-6	PCB-1248	1.1	U
11097-69-1	PCB-1254	1.1	U
11096-82-5	PCB-1260	1.1	U

Appendix C

Support Documentation

ANALYTICAL DETECTION LIMITS
PRIORITY POLLUTANT METAL LIST

Parameter	IDL[1]	IDL[1]
Metals	Sediment Samples	Aqueous Samples
	mg/kg	µg/L
Antimony	2	5
Arsenic	0.48	0.5
Beryllium	2	4
Cadmium	2	0.1
Chromium	2.5	0.5
Copper	2	2.5
Lead	2	0.5
Mercury	0.083	0.2
Nickel	2	5
Selenium	1	0.1
Silver	1	0.0001
Thallium	1.9	2
Zinc	23	50
Hexavalent Chromium	11	0.05

[1] IDL Instrument Detection Limit

301-916-6854

Brett Brodersen
x 3056

301-525-3056

BrodersenB@Hnvr.com

ANALYTICAL DETECTION LIMITS
TCL VOLATILES LIST
Page 1 of 2

Parameter	RQL[1]	RQL[1]
Volatile Organic Compounds	Sediment Samples µg/kg	Surface Water Samples µg/L
1,1,1,2-tetrachloroethane	5	1
1,1,1-trichloroethane	5	1
1,1,2,2-tetrachloroethane	5	1
1,1,2-trichloroethane	5	1
1,1,2-trichlorotrifluoroethane (Freon 113)	5	1
1,1-dichloroethane	5	1
1,1-dichloroethene	5	1
1,1-dichloropropene	5	1
1,2,3-trichlorobenzene	5	1
1,2,3-trichloropropane	5	1
1,2,4-trichlorobenzene	5	1
1,2,4-trimethylbenzene	5	1
1,2-dibromo-3-chloropropane	5	1
1,2-dibromoethane	5	1
1,2-dichlorobenzene	5	1
1,2-dichloroethane	5	1
1,2-dichloropropane	5	1
1,2,3-trimethylbenzene	5	1
1,3-dichlorobenzene	5	1
1,3-dichloropropane	5	1
1,4-dichlorobenzene	5	1
2,2-dichloropropane	5	1
2-butanone	52	10
2-Chloroethylvinyl ether	5	1
2-chlorotoluene	5	1
2-hexanone	52	10
4-chlorotoluene	5	1
4-methyl-2-pentanone	52	10
Acetone	52	10
Benzene	1	1
Bromobenzene	5	1
Bromochloromethane	5	1
Bromodichloromethane	5	1
Bromoform	5	1
Bromomethane	5	1
carbon disulfide	5	1
carbon tetrachloride	5	1
Chlorobenzene	5	1
Chloroethane	5	1
Chloroform	5	1

ANALYTICAL DETECTION LIMITS
TCL VOLATILES LIST
Page 2 of 2

Parameter	RQL[1]	RQL[1]
Volatile Organic Compounds	Sediment Samples µg/kg	Aqueous Samples µg/L
Chloromethane	5	1
cis-1,2-dichloroethene	5	1
cis-1,3-dichloropropene	5	1
Dibromochloromethane	5	1
Dibromomethane	5	1
Dichlorodifluoromethane (Freon 12)	5	1
Ethylbenzene	1	1
Hexachlorobutadiene	5	1
Isopropylbenzene	5	1
M+P Xylene	10	3
Methyl-T-Butyl-Ether	5	1
methylene chloride	5	1
N-Butylbenzene	5	1
N-Propylbenzene	5	1
O-Xylene	5	3
P-Isopropyltoluene	5	1
Sec-Butylbenzene	5	1
Styrene	5	1
Tert-butylbenzene	5	1
Tetrachloroethene	5	1
Toluene	1	1
trans-1,2-dichloroethene	5	1
trans-1,3-dichloropropene	5	1
Trichloroethene	5	1
Trichlorofluoromethane (Freon 11)	5	1
Vinyl Acetate	5	1
Vinyl chloride	5	1
Xylenes (total)	1	1

[1] RQL Required Quantitation Limit

ANALYTICAL DETECTION LIMITS
TCL SEMIVOLATILES LIST
Page 1 of 2

Parameter	RQL[1]	RQL[1]
Semivolatile Organic Compounds	**Sediment Samples µg/kg**	**Aqueous Samples µg/kg**
2-methylnaphthalene	100	10
Acenaphthene	20	10
Acenaphthylene	50	10
Anthracene	100	0.05
Benzo(a)anthracene	100	5
Benzo(a)pyrene	100	0.01
Benzo(b)fluoranthene	100	10
Benzo(g,h,i)perylene	100	10
Benzo(k)fluoranthene	100	10
Chrysene	100	10
Dibenzo(a,h)anthracene	100	10
Fluoranthene	100	10
Fluorene	10	10
Indeno(1,2,3-cd)pyrene	100	10
Naphthalene	100	10
Phenanthrene	100	5
Pyrene	100	10
1,1'-biphenyl	100	10
2,4,5-trichlorophenol	100	10
2,4,6-trichlorophenol	100	10
2,4-dichlorophenol	100	10
2,4-dimethylphenol	20	10
2,4-dinitrophenol	100	10
2,4-dinitrotoluene	100	10
2,6-dinitrotoluene	100	10
2-chloronaphthalene	100	10
2-chlorophenol	100	10
2-methyl-4,6-dinitrophenol	100	2
2-methylphenol	100	10
2-nitroaniline	100	10
2-nitrophenol	100	10
3,4-methylphenol	100	10
3,3-dichlorobenzidine	100	10
3-nitroaniline	100	10
4-bromophenyl phenyl ether	100	1.0
4-chloro-3-methylphenol	100	0.2
4-chloroaniline	100	10
4-chlorophenyl phenyl ether	100	10
4-nitroaniline	100	10
4-nitrophenol	100	10

ANALYTICAL DETECTION LIMITS
TCL SEMIVOLATILES LIST
Page 1 of 2

Parameter Semivolatile Organic Compounds	RQL[1] Sediment Samples µg/kg	RQL[1] Aqueous Samples µg/kg
Acetophenone	100	10
Atrazine	100	10
Bis(2-chloroethoxy)methane	100	10
Bis(2-chloroethyl)ether	100	10
Bis(2-chloroisopropyl)ether (2,2'-oxybis(1-chloropropane))	100	10
Bis(2-ethylhexyl)phthalate	100	10
Butyl benzyl phthalate	100	2
Caprolactam	100	10
Carbazole	100	10
Dibenzofuran	100	10
Diethyl phthalate	100	2
Dimethyl phthalate	100	2
Di-n-butyl phthalate	100	0.2
Di-n-octyl phthalate	100	0.2
Hexachlorobenzene	20	2
Hexachlorobutadiene	10	5
Hexachlorocyclopentadiene	100	5
Hexachloroethane	100	100
Isophorone	100	10
Nitrobenzene	100	10
N-Nitroso-Di-n-Propylamine	100	10
N-nitrosodiphenylamine	40	10
Pentachlorophenol	100	10
Phenol	100	10

[1] RQL Required Quantitation Limit

ANALYTICAL DETECTION LIMITS
PCB LIST

Parameter	RQL[1]	RQL[1]
PCBs	Soil Samples µg/kg	Aqueous Samples µg/kg
Aroclor 1016	20	0.2
Aroclor 1221	20	0.2
Aroclor 1232	20	0.5
Aroclor 1242	20	0.05
Aroclor 1248	20	0.05
Aroclor 1254	20	0.02
Aroclor 1260	20	50

All lower than GPL

[1] RQL Required Quantitation Limit

HOLDTIME

SDG 503077

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
HG	MG/KG	SD-3-031705	503077-017	NM	3/17/2005	3/24/2005	3/31/2005	7	7	14
HG	MG/KG	SD-1-031705	503077-016	NM	3/17/2005	3/24/2005	3/31/2005	7	7	14
HG	MG/KG	SD-04-031705	503077-018	NM	3/17/2005	3/24/2005	3/31/2005	7	7	14
HG	UG/L	SW-4-031705	503077-013FIL	NM	3/17/2005	3/21/2005	3/22/2005	4	1	5
HG	UG/L	SW-2-031705	503077-004	NM	3/17/2005	3/21/2005	3/22/2005	4	1	5
HG	UG/L	SW-1-031705	503077-003FIL	NM	3/17/2005	3/21/2005	3/22/2005	4	1	5
HG	UG/L	SW-1-031705	503077-002	NM	3/17/2005	3/21/2005	3/22/2005	4	1	5
HG	UG/L	SW-3-031705	503077-014	NM	3/17/2005	3/21/2005	3/22/2005	4	1	5
HG	UG/L	SW-2-031705	503077-005FIL	NM	3/17/2005	3/21/2005	3/22/2005	4	1	5
HG	UG/L	SW-4-031705	503077-012	NM	3/17/2005	3/21/2005	3/22/2005	4	1	5
HG	UG/L	SW-7-031705	503077-007FIL	NM	3/17/2005	3/21/2005	3/22/2005	4	1	5
HG	UG/L	SW-5-031705	503077-010	NM	3/17/2005	3/21/2005	3/22/2005	4	1	5
HG	UG/L	SW-5-031705	503077-011FIL	NM	3/17/2005	3/21/2005	3/22/2005	4	1	5
HG	UG/L	SW-6-031705	503077-008	NM	3/17/2005	3/21/2005	3/22/2005	4	1	5
HG	UG/L	SW-6-031705	503077-009FIL	NM	3/17/2005	3/21/2005	3/22/2005	4	1	5

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
HG	UG/L	SW-7-031705	503077-006	NM	3/17/2005	3/21/2005	3/22/2005	4	1	5
HG	UG/L	SW-3-031705	503077-015FIL	NM	3/17/2005	3/21/2005	3/22/2005	4	1	5
M	MG/KG	SD-04-031705	503077-018	NM	3/17/2005	3/23/2005	3/24/2005	6	1	7
M	MG/KG	SD-3-031705	503077-017	NM	3/17/2005	3/23/2005	3/24/2005	6	1	7
M	MG/KG	SD-1-031705	503077-016	NM	3/17/2005	3/23/2005	3/24/2005	6	1	7
M	UG/L	SW-3-031705	503077-015FIL	NM	3/17/2005	3/23/2005	4/4/2005	6	12	18
M	UG/L	SW-7-031705	503077-007FIL	NM	3/17/2005	3/23/2005	4/4/2005	6	12	18
M	UG/L	SW-7-031705	503077-006	NM	3/17/2005	3/23/2005	4/4/2005	6	12	18
M	UG/L	SW-6-031705	503077-009FIL	NM	3/17/2005	3/23/2005	4/4/2005	6	12	18
M	UG/L	SW-6-031705	503077-008	NM	3/17/2005	3/23/2005	4/4/2005	6	12	18
M	UG/L	SW-5-031705	503077-011FIL	NM	3/17/2005	3/23/2005	4/4/2005	6	12	18
M	UG/L	SW-5-031705	503077-010	NM	3/17/2005	3/23/2005	4/4/2005	6	12	18
M	UG/L	SW-4-031705	503077-012	NM	3/17/2005	3/23/2005	4/4/2005	6	12	18
M	UG/L	SW-3-031705	503077-014	NM	3/17/2005	3/23/2005	4/4/2005	6	12	18
M	UG/L	SW-2-031705	503077-005FIL	NM	3/17/2005	3/23/2005	4/4/2005	6	12	18
M	UG/L	SW-2-031705	503077-004	NM	3/17/2005	3/23/2005	4/4/2005	6	12	18
M	UG/L	SW-1-031705	503077-003FIL	NM	3/17/2005	3/23/2005	4/4/2005	6	12	18
M	UG/L	SW-4-031705	503077-013FIL	NM	3/17/2005	3/23/2005	4/4/2005	6	12	18

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
M	UG/L	SW-1-031705	503077-002	NM	3/17/2005	3/23/2005	4/4/2005	6	12	18
CR6	MG/KG	SD-04-031705	503077-018	NM	3/17/2005	4/3/2005	4/3/2005	17	0	17
CR6	MG/KG	SD-1-031705	503077-016	NM	3/17/2005	4/3/2005	4/3/2005	17	0	17
CR6	MG/KG	SD-3-031705	503077-017	NM	3/17/2005	4/3/2005	4/3/2005	17	0	17
CR6	MG/L	SW-5-031705	503077-010	NM	3/17/2005	3/18/2005	3/18/2005	1	0	1
CR6	MG/L	SW-6-031705	503077-008	NM	3/17/2005	3/18/2005	3/18/2005	1	0	1
CR6	MG/L	SW-4-031705	503077-012	NM	3/17/2005	3/18/2005	3/18/2005	1	0	1
CR6	MG/L	SW-3-031705	503077-014	NM	3/17/2005	3/18/2005	3/18/2005	1	0	1
CR6	MG/L	SW-1-031705	503077-002	NM	3/17/2005	3/18/2005	3/18/2005	1	0	1
CR6	MG/L	SW-7-031705	503077-006	NM	3/17/2005	3/18/2005	3/18/2005	1	0	1
CR6	MG/L	SW-2-031705	503077-004	NM	3/17/2005	3/18/2005	3/18/2005	1	0	1
PCS	%	SD-04-031705	503077-018	NM	3/17/2005	3/23/2005	3/23/2005	6	0	6
PCS	%	SD-1-031705	503077-016	NM	3/17/2005	3/23/2005	3/23/2005	6	0	6
PCS	%	SD-3-031705	503077-017	NM	3/17/2005	3/23/2005	3/23/2005	6	0	6
OS	%	SD-3-031705	503077-017	NM	3/17/2005	3/29/2005	3/29/2005	12	0	12
OS	%	SW-7-031705	503077-006	NM	3/17/2005	3/22/2005	3/25/2005	5	3	8
OS	%	SW-6-031705	503077-008	NM	3/17/2005	3/22/2005	3/25/2005	5	3	8
OS	%	SW-5-031705	503077-010	NM	3/17/2005	3/22/2005	3/28/2005	5	6	11

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
OS	%	SW-4-031705	503077-012	NM	3/17/2005	3/22/2005	3/28/2005	5	6	11
OS	%	SW-3-031705	503077-014	NM	3/17/2005	3/22/2005	3/25/2005	5	3	8
OS	%	SD-04-031705	503077-018	NM	3/17/2005	3/29/2005	3/29/2005	12	0	12
OS	%	SW-1-031705	503077-002	NM	3/17/2005	3/22/2005	3/25/2005	5	3	8
OS	%	SD-1-031705	503077-016	NM	3/17/2005	3/29/2005	3/29/2005	12	0	12
OS	%	SW-2-031705	503077-004	NM	3/17/2005	3/22/2005	3/25/2005	5	3	8
OS	UG/KG	SD-3-031705	503077-017	NM	3/17/2005	3/29/2005	3/29/2005	12	0	12
OS	UG/KG	SD-1-031705	503077-016	NM	3/17/2005	3/29/2005	3/29/2005	12	0	12
OS	UG/KG	SD-04-031705	503077-018	NM	3/17/2005	3/29/2005	3/29/2005	12	0	12
OS	UG/L	SW-2-031705	503077-004	NM	3/17/2005	3/22/2005	3/25/2005	5	3	8
OS	UG/L	SW-3-031705	503077-014	NM	3/17/2005	3/22/2005	3/25/2005	5	3	8
OS	UG/L	SW-4-031705	503077-012	NM	3/17/2005	3/22/2005	3/28/2005	5	6	11
OS	UG/L	SW-5-031705	503077-010	NM	3/17/2005	3/22/2005	3/28/2005	5	6	11
OS	UG/L	SW-6-031705	503077-008	NM	3/17/2005	3/22/2005	3/25/2005	5	3	8
OS	UG/L	SW-7-031705	503077-006	NM	3/17/2005	3/22/2005	3/25/2005	5	3	8
OS	UG/L	SW-1-031705	503077-002	NM	3/17/2005	3/22/2005	3/25/2005	5	3	8
OV	%	SW-3-031705	503077-014RE	NM	3/17/2005	3/29/2005	3/29/2005	12	0	12
OV	%	TB031705	503077-001	NM	3/17/2005	3/28/2005	3/28/2005	11	0	11

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
OV	%	SW-7-031705RE	503077-006RE	NM	3/17/2005	3/29/2005	3/29/2005	12	0	12
OV	%	SW-7-031705	503077-006	NM	3/17/2005	3/28/2005	3/28/2005	11	0	11
OV	%	SW-6-031705	503077-008	NM	3/17/2005	3/29/2005	3/29/2005	12	0	12
OV	%	SW-4-031705	503077-012	NM	3/17/2005	3/29/2005	3/29/2005	12	0	12
OV	%	SW-3-031705	503077-014	NM	3/17/2005	3/28/2005	3/28/2005	11	0	11
OV	%	SW-2-031705	503077-004	NM	3/17/2005	3/29/2005	3/29/2005	12	0	12
OV	%	SW-1-031705	503077-002	NM	3/17/2005	3/29/2005	3/29/2005	12	0	12
OV	%	SD-3-031705	503077-017	NM	3/17/2005	3/29/2005	3/29/2005	12	0	12
OV	%	SD-1-031705	503077-016	NM	3/17/2005	3/23/2005	3/23/2005	6	0	6
OV	%	SD-04-031705	503077-018	NM	3/17/2005	3/23/2005	3/23/2005	6	0	6
OV	%	SW-5-031705	503077-010	NM	3/17/2005	3/29/2005	3/29/2005	12	0	12
OV	UG/KG	SD-04-031705	503077-018	NM	3/17/2005	3/23/2005	3/23/2005	6	0	6
OV	UG/KG	SD-1-031705	503077-016	NM	3/17/2005	3/23/2005	3/23/2005	6	0	6
OV	UG/KG	SD-3-031705	503077-017	NM	3/17/2005	3/29/2005	3/29/2005	12	0	12
OV	UG/L	SW-3-031705	503077-014	NM	3/17/2005	3/28/2005	3/28/2005	11	0	11
OV	UG/L	SW-6-031705	503077-008	NM	3/17/2005	3/29/2005	3/29/2005	12	0	12
OV	UG/L	TB031705	503077-001	NM	3/17/2005	3/28/2005	3/28/2005	11	0	11
OV	UG/L	SW-7-031705RE	503077-006RE	NM	3/17/2005	3/29/2005	3/29/2005	12	0	12

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
OV	UG/L	SW-7-031705	503077-006	NM	3/17/2005	3/28/2005	3/28/2005	11	0	11
OV	UG/L	SW-3-031705	503077-014RE	NM	3/17/2005	3/29/2005	3/29/2005	12	0	12
OV	UG/L	SW-2-031705	503077-004	NM	3/17/2005	3/29/2005	3/29/2005	12	0	12
OV	UG/L	SW-1-031705	503077-002	NM	3/17/2005	3/29/2005	3/29/2005	12	0	12
OV	UG/L	SW-4-031705	503077-012	NM	3/17/2005	3/29/2005	3/29/2005	12	0	12
OV	UG/L	SW-5-031705	503077-010	NM	3/17/2005	3/29/2005	3/29/2005	12	0	12
PCB	%	SW-5-031705	503077-010	NM	3/17/2005	3/22/2005	4/5/2005	5	14	19
PCB	%	SW-6-031705	503077-008	NM	3/17/2005	3/22/2005	4/5/2005	5	14	19
PCB	%	SW-4-031705	503077-012	NM	3/17/2005	3/22/2005	4/5/2005	5	14	19
PCB	%	SW-3-031705	503077-014	NM	3/17/2005	3/22/2005	4/5/2005	5	14	19
PCB	%	SW-1-031705	503077-002	NM	3/17/2005	3/22/2005	4/5/2005	5	14	19
PCB	%	SD-3-031705	503077-017	NM	3/17/2005	3/25/2005	3/30/2005	8	5	13
PCB	%	SD-1-031705	503077-016	NM	3/17/2005	3/25/2005	3/30/2005	8	5	13
PCB	%	SD-04-031705	503077-018	NM	3/17/2005	3/25/2005	3/30/2005	8	5	13
PCB	%	SW-2-031705	503077-004	NM	3/17/2005	3/22/2005	4/5/2005	5	14	19
PCB	%	SW-7-031705	503077-006	NM	3/17/2005	3/22/2005	4/5/2005	5	14	19
PCB	UG/KG	SD-3-031705	503077-017	NM	3/17/2005	3/25/2005	3/30/2005	8	5	13
PCB	UG/KG	SD-04-031705	503077-018	NM	3/17/2005	3/25/2005	3/30/2005	8	5	13

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
PCB	UG/KG	SD-1-031705	503077-016	NM	3/17/2005	3/25/2005	3/30/2005	8	5	13
PCB	UG/L	SW-7-031705	503077-006	NM	3/17/2005	3/22/2005	4/5/2005	5	14	19
PCB	UG/L	SW-6-031705	503077-008	NM	3/17/2005	3/22/2005	4/5/2005	5	14	19
PCB	UG/L	SW-5-031705	503077-010	NM	3/17/2005	3/22/2005	4/5/2005	5	14	19
PCB	UG/L	SW-4-031705	503077-012	NM	3/17/2005	3/22/2005	4/5/2005	5	14	19
PCB	UG/L	SW-3-031705	503077-014	NM	3/17/2005	3/22/2005	4/5/2005	5	14	19
PCB	UG/L	SW-1-031705	503077-002	NM	3/17/2005	3/22/2005	4/5/2005	5	14	19
PCB	UG/L	SW-2-031705	503077-004	NM	3/17/2005	3/22/2005	4/5/2005	5	14	19

The Case Narrative, Chain of Custody, Sample Receipt Checklist, and the cover page of the Sample Analysis Report, are integral parts of GPL Laboratories' report package. If you did not receive all of these documents, please contact GPL immediately.

Sample Receipt

Fifteen water and Three soil samples were received on 03/17/2005. The samples were delivered by GPL courier. Sample receipt conditions and temperatures are documented on the Sample Receipt checklist.

Sample Analysis

Samples were prepared and analyzed by GPL using the analytical methodologies indicated on the Sample Analysis Summary Report. In some chromatographic analyses, manual integration is used instead of automated integration because it produces more accurate results. All manual integrations are denoted on the sample quantitation report. Analysis results and limits for soil are reported on a dry weight basis unless otherwise specified on the report.

Volatiles

Eight water and three soil samples were analyzed for volatile organic compounds using SW846 method 8260B. Analyses of the samples were performed within holding time.

Samples SW-3-031705 and SW-7-031705 had internal standard recoveries below the QC limits. Sample SW-7-031705 had one surrogate recovery below QC limits as well. Both samples were rerun within holding time and data reports for all analyses were submitted with this package. Data is reported from reanalyses.

Matrix spike and matrix spike duplicate analyses were performed on samples SW-3-031705 and SD-4-031705. Sample SW-3-031705MS/MSD had recovery of chlorobenzene below QC limits. Sample SD-4-031705MS/MSD had low spike recoveries.

Three laboratory control spikes (LCS) were analyzed along with the sample batch. All recoveries were within QC limits.

Manual integration was performed on some peaks that were improperly integrated by the software. The manually integrated compounds are designated by an "m" next to the area of the quantitation report, and chromatograms for these compounds were submitted.

Semivolatiles

Seven water and three soil samples were extracted using methods 3520C and 3550B, respectively. The samples were analyzed for semi-volatile organic compounds using method 8270C.

All surrogate recoveries were within QC limits.

For the waters, matrix spike and duplicate analysis was performed on sample SW-3-031705. All matrix spike recoveries were within QC limits. A laboratory control sample was also extracted and analyzed with this batch. All spike recoveries were within QC limits.

For the soils, QC was shared with work order 503094. Matrix spike and duplicate analysis was performed on sample SD-6-031805. All matrix spiike recoveries were within QC limits. A laboratory control sample was also extracted and analyzed with this batch. All spike recoveries were within QC limits.

Extraction and analysis holding times were met.

PCBs

Three soil and seven water samples were extracted and analyzed for PCB compounds using method 8082A.

Matrix spike and matrix spike duplicate analyses for soils were shared with work order 503094. PCB -1016 on both and PCB-1260 on MS were outside QC limits due to matrix effect. RPD for both was outside QC limits. Matrix spike and duplicate analyses for waters were performed on SW-3-031705. All recoveries were within QC limits.

A laboratory control sample was extracted and analyzed along with the soil and water samples. Recoveries were within control limits.

All samples were extracted and analyzed within holding times.

All other analyses met QC criteria.

Metals

Fourteen water samples and three soil samples were analyzed for PP metals by EPA SW846 methods. The water samples were analyzed by ICPMS in order to meet the required reporting limits

A matrix spike and duplicate were performed on samples SW-3-031705 and SW-3-031705FIL for all analytes. Serial dilutions were also performed for ICPMS analytes. A duplicate RPD on sample SW-3-031705 was outside of the control limit for copper; all associates data were flagged with an "*". The serial dilution on sample SW-3-031705 was outside of the control limits for copper, nickel, and zinc; all associated data were flagged with an "E".

A matrix spike, duplicate, and serial dilution were performed on the batch sample 503117-001 for all required ICP analytes. The matrix spike was outside of the control limits for antimony, beryllium, and chromium; all associated data were flagged with an "N". A post digestion analytical spike was performed with a recovery 118.1% for beryllium. No control limit applied to the matrix spike for arsenic due to an insignificant spike addition. A duplicate was outside of the control limits for arsenic, beryllium, and chromium; all associated data were flagged with an "*".

A matrix spike and duplicate were performed on the batch sample 503094-005 for mercury. . A duplicate was outside of the control limits for mercury; all associated data were flagged with an "*".

Calibration standards are verified against independent check standards purchased from a commercial vendor of environmental standards.

All GPL QA/QC criteria were met with the exceptions of those mentioned above.

General Chemistry

Seven water samples were analyzed for Hexavalent Chromium by SW846 method 7196A. Three soil samples were digested by method 3060A and were also analyzed for Hexavalent Chromium by method 7196A.

Duplicate and matrix spike analyses for water were performed on sample SW-3-031705. Duplicate and matrix spike analyses for soil were shared with GPL work order 503094.

A laboratory control sample was digested and analyzed along with the soil batch.

All QC criteria were met.

Pat Jensen

Reviewed By,

Project Manager

Approved By,

Laboratory Director

GPL LABORATORIES, LLLP

7210A Corporate Court
Frederick, MD 21703
(301) 694-5310
Fax (301) 620-0731

Contract #/Billing Reference

1 of 1 Pgs.

Project: LMC MIDDLE RIVER
Client: T+NUS
Send Results To: Brett Broderson
Address: 20251 Century Blvd.
Germantown, MD
Phone: 301-528-3056

Sample ID#	Date Sampled	Time Sampled	Sample Matrix	Sampler's Initials	VOCs (8260 B)	SVOCs (8270 C)	Total Priority Pollutant Metals	Dissolved Priority Pollutant Metals	PCBs (8082)	Hex. Chrom. (7196A)					CLIENT COMMENTS
Turnaround Time															Lab Cooler No.
# of Containers					3	2	1	1	2	1					
Container Type					40ml VOAs	1L Amber	1LP	1LP	1L Amber	250mL Poly					
Preservative Used					HCL	ICE	HNO3	HNO3	ICE	ICE					
TB031705	3/17/05	0000	GW	CCU/WP	X										
SW-1-031705		0925			X	X	X	X	X	X					
SW-2-031705		1227			X	X	X	X	X	X					
SW-7-031705		1249			X	X	X	X	X	X					
SW-6-031705		1305			X	X	X	X	X	X					
SW-5-031705		1320			X	X	X	X	X	X					
SW-4-031705		1400			X	X	X	X	X	X					
SW-3-031705 *		1430			X	X	X	X	X	X					[redacted]/MSD

Relinquished By:	Date/Time	Received By:	Relinquished By:	Received for Laboratory By:	Date/Time
		Solomon		Solomon	3/17/05 1600
Relinquished By:	Date/Time	Received By:	Date/Time	Shipper:	Airbill No.:
[signature]	3/17/05 1545				
Relinquished By:	Date/Time	Received By:	Lab Comments:		Temp:
					2.0

G.P. W.O. 503077

GPL LABORATORIES, LLLP

7210A Corporate Court
Frederick, MD 21703
(301) 694-5310
Fax (301) 620-0731

Contract #/Billing Reference

1 of 1 Pgs.

Project: LMC- MIDDLE RIVER
Client: TETRA TECH
Send Results To: Brett Brodersen
Address: 20251 Century Blvd.
Germantown, MD.
Phone: 301-528-3056

Sample ID#	Date Sampled	Time Sampled	Sample Matrix	Sampler's Initials	VOCs (8260 B)	SVOCs (8270 C) PCBs (8082)	Total Pb, Pollutant Metals / Hex Chrom								Lab Cooler No.	CLIENT COMMENTS
Turnaround Time																
# of Containers					1	1	1									
Container Type					4oz.	8oz.	8oz.									
Preservative Used					ICE	ICE	ICE									
SD-1-031705	3/17/05	0937	SD	WP/BB	X	X	X									
SD-3-031705	↓	1010	SD	WP/BB	X	X	X									
SD-04-031705	↓	1230	SD	BB	X	X	X									

Relinquished By: [signature] III	Date/Time 3/17/05 1545	Received By: Solomon	Relinquished By:	Received for Laboratory By: Solomon	Date/Time 3/17/05 6:00 pm
Relinquished By:	Date/Time	Received By:	Date/Time	Shipper:	Airbill No.:
Relinquished By:	Date/Time	Received By:	Lab Comments:		Temp: 7.0

G.P. W.O. 505077

The Case Narrative, Chain of Custody, Sample Receipt Checklist, and the cover page of the Sample Analysis Report, are integral parts of GPL Laboratories' report package. If you did not receive all of these documents, please contact GPL immediately.

Sample Receipt

Fifteen water and Three soil samples were received on 03/17/2005. The samples were delivered by GPL courier. Sample receipt conditions and temperatures are documented on the Sample Receipt checklist.

Sample Analysis

Samples were prepared and analyzed by GPL using the analytical methodologies indicated on the Sample Analysis Summary Report. In some chromatographic analyses, manual integration is used instead of automated integration because it produces more accurate results. All manual integrations are denoted on the sample quantitation report. Analysis results and limits for soil are reported on a dry weight basis unless otherwise specified on the report.

Volatiles

Eight water and three soil samples were analyzed for volatile organic compounds using SW846 method 8260B. Analyses of the samples were performed within holding time.

Samples SW-3-031705 and SW-7-031705 had internal standard recoveries below the QC limits. Sample SW-7-031705 had one surrogate recovery below QC limits as well. Both samples were rerun within holding time and data reports for all analyses were submitted with this package. Data is reported from reanalyses.

Matrix spike and matrix spike duplicate analyses were performed on samples SW-3-031705 and SD-4-031705. Sample SW-3-031705MS/MSD had recovery of chlorobenzene below QC limits. Sample SD-4-031705MS/MSD had low spike recoveries.

Three laboratory control spikes (LCS) were analyzed along with the sample batch. All recoveries were within QC limits.

Manual integration was performed on some peaks that were improperly integrated by the software. The manually integrated compounds are designated by an "m" next to the area of the quantitation report, and chromatograms for these compounds were submitted.

Semivolatiles

Seven water and three soil samples were extracted using methods 3520C and 3550B, respectively. The samples were analyzed for semi-volatile organic compounds using method 8270C.

All surrogate recoveries were within QC limits.

For the waters, matrix spike and duplicate analysis was performed on sample SW-3-031705. All matrix spike recoveries were within QC limits. A laboratory control sample was also extracted and analyzed with this batch. All spike recoveries were within QC limits.

For the soils, QC was shared with work order 503094. Matrix spike and duplicate analysis was performed on sample SD-6-031805. All matrix spiike recoveries were within QC limits. A laboratory control sample was also extracted and analyzed with this batch. All spike recoveries were within QC limits.

Extraction and analysis holding times were met.

PCBs

Three soil and seven water samples were extracted and analyzed for PCB compounds using method 8082A.

Matrix spike and matrix spike duplicate analyses for soils were shared with work order 503094. PCB -1016 on both and PCB-1260 on MS were outside QC limits due to matrix effect. RPD for both was outside QC limits. Matrix spike and duplicate analyses for waters were performed on SW-3-031705. All recoveries were within QC limits.

A laboratory control sample was extracted and analyzed along with the soil and water samples. Recoveries were within control limits.

All samples were extracted and analyzed within holding times.

All other analyses met QC criteria.

Metals

Fourteen water samples and three soil samples were analyzed for PP metals by EPA SW846 methods. The water samples were analyzed by ICPMS in order to meet the required reporting limits

A matrix spike and duplicate were performed on samples SW-3-031705 and SW-3-031705FIL for all analytes. Serial dilutions were also performed for ICPMS analytes. A duplicate RPD on sample SW-3-031705 was outside of the control limit for copper; all associates data were flagged with an "*". The serial dilution on sample SW-3-031705 was outside of the control limits for copper, nickel, and zinc; all associated data were flagged with an "E".

A matrix spike, duplicate, and serial dilution were performed on the batch sample 503117-001 for all required ICP analytes. The matrix spike was outside of the control limits for antimony, beryllium, and chromium; all associated data were flagged with an "N". A post digestion analytical spike was performed with a recovery 118.1% for beryllium. No control limit applied to the matrix spike for arsenic due to an insignificant spike addition. A duplicate was outside of the control limits for arsenic, beryllium, and chromium; all associated data were flagged with an "*".

A matrix spike and duplicate were performed on the batch sample 503094-005 for mercury. . A duplicate was outside of the control limits for mercury; all associated data were flagged with an "*".

Calibration standards are verified against independent check standards purchased from a commercial vendor of environmental standards.

All GPL QA/QC criteria were met with the exceptions of those mentioned above.

General Chemistry

Seven water samples were analyzed for Hexavalent Chromium by SW846 method 7196A. Three soil samples were digested by method 3060A and were also analyzed for Hexavalent Chromium by method 7196A.

Duplicate and matrix spike analyses for water were performed on sample SW-3-031705. Duplicate and matrix spike analyses for soil were shared with GPL work order 503094.

A laboratory control sample was digested and analyzed along with the soil batch.

All QC criteria were met.

Pat Zimmerman

Reviewed By,

Project Manager

Approved By,

Laboratory Director

GPL LABORATORIES, LLLP

7210A Corporate Court
Frederick, MD 21703
(301) 694-5310
Fax (301) 620-0731

Contract #/Billing Reference

	of	Pgs.
	1	

Project: Lyme Middle River
Client: Tetra
Send Results To: Brett Bradurgen
Address: 20251 Century Blvd.
Germantown, MD
Phone: 301-528-3056

Turnaround Time
# of Containers: 3 2 1 1 2 1
Container Type: Vial, Poly 1L Amb/1L P 1LP 1L Amb/Vial, Poly
Preservative Used: HCL HCL None None HCL HCL
Type of Analysis: VOCs (8260 B) SVOCs (8270 C) Target Analyte Pesticides Pesticides - Methods Dissolved Phenolics Pest & Chlord (8082) Hex. Chrom. (7196 A)

Sample ID#	Date Sampled	Time Sampled	Sample Matrix	Sampler's Initials									Lab Cooler No.	CLIENT COMMENTS
TB031705	3/15/05	0900	GW	CEV/WP	X									
SW-1-031905		0925			X	X	X	X	X	X	X	X		
SW-2-031705		1227			X	X	X	X	X	X	X	X		
SW-7-031705		1249			X	X	X	X	X	X	X	X		
SW-6-031705		1345			X	X	X	X	X	X	X	X		
SW-5-031705		1320			X	X	X	X	X	X	X	X		
SW-4-031705		1400			X	X	X	X	X	X	X	X		
SW-3-031705	↓	1430	↓	↓	X	X	X	X	X	X	X	X		MS/MSD

Relinquished By: Date/Time | Received By: Solomon
Relinquished By: Date/Time | Received By:
Relinquished By: Date/Time | Received By:

Relinquished By:
Relinquished By: Date/Time
Relinquished By: Date/Time

Received for Laboratory By: Solomon Date/Time 3/19/05 1600
Airbill No.:
Lab Comments:
Temp: 2.0

G.P. W.O. 503077

GPL LABORATORIES, LLLP

7210A Corporate Court
Frederick, MD 21703
(301) 694-5310
Fax (301) 620-0731

Project: LMC- Middle River | Turnaround Time | Contract #/Billing Reference | 1 of 1 Pgs.

Client: Tetra

Send Results To: Brett Bradersen | # of Containers: 1 | 1 | 1

Address: 2251 Century Blvd. | Container Type: 4oz. | 8oz. | 8oz.

Germantown, MD. | Preservative Used: Ice | Ice | Ice

Phone: 301-528-3056 | Type of Analysis: VOCs (8260B) | SVOCs (8270C) | TAL Pb: Filtered, Acidified / Hg: Cleaned

Sample ID#	Date Sampled	Time Sampled	Sample Matrix	Sampler's Initials				Lab Cooler No.	CLIENT COMMENTS
SD-1-031745	3/17/05	0935	SD	WF/BB	X	X	X		
SD-3-031745	"	1010	SD	WF/BB	X	X	X		
SD-04-03130	✓	1230	SD	BB	X	X	X		

Relinquished By:	Date/Time 3/17/05 1515	Received By:	Relinquished By:	Received for Laboratory By: Solomon 3/17/05 6:04 pm	Date/Time
Relinquished By:	Date/Time	Received By:	Date/Time / Shipper:	Airbill No.:	
Relinquished By:	Date/Time	Received By:	Lab Comments:		Temp: 7.0

G.P. W.O. 503077

5A-8260

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: GPL LABORATORIES,LLLP Contract:

Lab Code: GPL Case No.: SAS No.: SDG No.:

Lab File ID: S006019.D BFB Injection Date: 03/08/05

Instrument ID: HP#S BFB Injection Time: 09:35

GC Column: RTX_502.2 ID: 0.18 (mm) Heated Purge: (Y/N) Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.8
75	30.0 - 60.0% of mass 95	55.9
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.2
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	>50% of mass 95	73.1
175	5.0 - 9.0% of mass 174	5.5 (7.5)1
176	95.0 - 101.0% of mass 174	71.6 (97.9)1
177	5.0 - 9.0% of mass 176	4.6 (6.4)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	ICV005	ICV005	S006021.D	03/08/05	10:31
02	ICV010	ICV010	S006022.D	03/08/05	11:04
03	ICV020	ICV020	S006023.D	03/08/05	11:33
04	ICV050	ICV050	S006024.D	03/08/05	12:00
05	ICV100	ICV100	S006025.D	03/08/05	12:29
06	ICV200	ICV200	S006026.D	03/08/05	12:56
07	ICV050 REF	ICV050 REF	S006028.D	03/08/05	14:27

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: GPL LABORATORIES,LLLP Contract:

Lab Code: GPL Case No.: SAS No.: SDG No.:

Instrument ID: HP#S Calibration Date(s): 03/08/05 03/08/05

Heated Purge (Y/N): Y Calibration Times: 10:31 12:56

GC Column: RTX_502.2 ID: 0.18 (mm)

LAB FILE ID: RRF005 = S006021.D RRF010 = S006022.D RRF200 = S006026.D
RRF020 = S006023.D RRF050 = S006024.D RRF100 = S006025.D

COMPOUND		RRF005	RRF010	RRF020	RRF050	RRF100	RRF200	$\overline{RRF}$	% RSD	
Dichlorodifluoromethane		0.577	0.485	0.473	0.498	0.489	0.420	0.490	10.3	
Chloromethane	*	0.926	0.844	0.786	0.821	0.780	0.610	0.795	13.1	*
Vinyl chloride	*	1.052	0.992	0.976	0.999	0.963	0.742	0.954	11.3	*
Bromomethane			0.169	0.189	0.279	0.312	0.328	0.255	28.3	
Chloroethane		0.471	0.422	0.396	0.433	0.454	0.429	0.434	6.0	
Trichlorofluoromethane		0.940	0.851	0.801	0.836	0.847	0.803	0.846	6.0	
1,1-Dichloroethene	*	0.495	0.457	0.430	0.448	0.451	0.445	0.454	4.9	*
Methylene chloride		0.622	0.546	0.500	0.527	0.497	0.473	0.528	10.0	
Iodomethane			0.094	0.154	0.268	0.313	0.344	0.235	45.4	
Trans-1,2-dichloroethene		0.516	0.458	0.437	0.454	0.450	0.429	0.457	6.7	
1,1-Dichloroethane	*	0.959	0.840	0.793	0.839	0.815	0.760	0.834	8.2	*
Acetone			0.429	0.320	0.298	0.206	0.187	0.288	33.8	
Acrolein		0.084	0.096	0.082	0.102	0.089	0.089	0.090	8.1	
Acrylonitrile		0.210	0.227	0.190	0.224	0.188	0.181	0.203	9.6	
Acetonitrile		0.103	0.098	0.090	0.103	0.088	0.081	0.094	9.7	
MTBE		0.997	1.152	0.996	1.205	1.185	1.242	1.129	9.5	
Carbon disulfide		1.938	1.473	1.314	1.222	1.222	1.157	1.388	21.0	
Chloroprene		0.096	0.129	0.145	0.184	0.203	0.206	0.161	27.6	
Propionitrile		0.075	0.071	0.064	0.076	0.062	0.059	0.068	10.6	
Allyl Chloride		1.071	0.954	0.904	0.944	0.935	0.901	0.951	6.5	
2,2-Dichloropropane		0.237	0.272	0.286	0.426	0.472	0.499	0.365	31.0	
Cis-1,2-dichloroethene		0.456	0.404	0.392	0.428	0.428	0.409	0.419	5.4	
1,2-dichloroethene (total)		0.486	0.431	0.414	0.441	0.439	0.419	0.438	5.8	
Bromochloromethane		0.152	0.148	0.146	0.169	0.163	0.156	0.155	5.8	
Chloroform	*	0.846	0.755	0.692	0.731	0.718	0.670	0.735	8.4	*
Methacrylonitrile		0.422	0.406	0.375	0.434	0.371	0.306	0.386	12.0	
1,1,1-Trichloroethane		0.657	0.605	0.582	0.628	0.648	0.616	0.622	4.5	
Carbon tetrachloride		0.344	0.350	0.358	0.436	0.467	0.460	0.403	14.4	
Methyl Methacrylate		0.503	0.500	0.520	0.675	0.641	0.620	0.577	13.5	
1,4-Dioxane		0.003	0.004	0.004	0.005	0.005	0.005	0.004	23.9	
Ethyl Methacrylate		0.470	0.471	0.468	0.597	0.557	0.522	0.514	10.5	
Isobutyl Alcohol		0.025	0.027	0.026	0.031	0.028	0.026	0.027	8.3	
2-Butanone		0.314	0.309	0.286	0.341	0.279	0.269	0.299	8.9	
1,1-Dichloropropene		0.888	0.775	0.776	0.807	0.834	0.792	0.812	5.3	
Vinyl Acetate		0.954	0.897	0.859	1.048	0.969	0.944	0.945	6.8	
2-Chloroethylvinyl ether		0.150	0.140	0.134	0.148	0.146	0.140	0.143	4.2	
Benzene		2.571	2.282	2.211	2.322	2.334	2.245	2.327	5.5	
1,2-Dichloroethane		0.806	0.761	0.692	0.767	0.715	0.663	0.734	7.2	
Trichloroethene		0.615	0.491	0.477	0.507	0.521	0.506	0.519	9.4	

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: GPL LABORATORIES,LLLP Contract:

Lab Code: GPL Case No.: SAS No.: SDG No.:

Instrument ID: HP#S Calibration Date(s): 03/08/05 03/08/05

Heated Purge (Y/N): Y Calibration Times: 10:31 12:56

GC Column: RTX_502.2 ID: 0.18 (mm)

LAB FILE ID: RRF005 = S006021.D RRF010 = S006022.D RRF200 = S006026.D

RRF020 = S006023.D RRF050 = S006024.D RRF100 = S006025.D

COMPOUND		RRF005	RRF010	RRF020	RRF050	RRF100	RRF200	RRF	% RSD	
1,2-Dichloropropane	*	0.599	0.560	0.537	0.593	0.584	0.558	0.572	4.2	*
Dibromomethane		0.280	0.258	0.245	0.282	0.258	0.242	0.261	6.6	
Bromodichloromethane		0.614	0.597	0.576	0.668	0.664	0.638	0.626	5.9	
Cis-1,3-dichloropropene		0.684	0.689	0.666	0.793	0.790	0.767	0.732	7.9	
Toluene	*	1.530	1.383	1.328	1.450	1.516	1.504	1.452	5.6	*
Trans-1,3-dichloropropene		0.566	0.590	0.571	0.772	0.740	0.726	0.661	14.3	
1,1,2-Trichloroethane		0.387	0.360	0.337	0.388	0.367	0.349	0.365	5.6	
1-Chlorohexane		0.706	0.643	0.647	0.701	0.727	0.691	0.686	4.9	
4-Methyl-2-pentanone		2.218	2.410	2.365	2.701	2.355	2.182	2.372	7.8	
2-Hexanone		1.521	1.624	1.614	2.046	1.733	1.599	1.690	11.1	
Tetrachloroethene		2.098	1.813	1.826	1.897	1.913	1.942	1.915	5.4	
1,3-Dichloropropane		3.083	2.874	2.660	3.083	2.860	2.669	2.871	6.5	
Dibromochloromethane		1.235	1.210	1.212	1.496	1.471	1.427	1.342	10.2	
1,2-Dibromoethane		1.334	1.264	1.199	1.471	1.347	1.295	1.318	7.0	
Chlorobenzene	*	5.757	5.119	4.940	5.258	5.538	5.615	5.371	5.9	*
1,1,1,2-Tetrachloroethane		1.926	1.743	1.709	1.858	1.981	2.065	1.880	7.3	
Ethylbenzene	*	10.931	9.868	9.610	10.327	11.170	11.588	10.582	7.3	*
m,p-xylene		4.081	3.637	3.550	3.841	4.145	4.313	3.928	7.7	
o-xylene		3.791	3.439	3.451	3.779	3.920	3.819	3.700	5.5	
Styrene		5.989	5.559	5.538	6.216	6.452	6.291	6.007	6.4	
Bromoform	*	0.979	0.994	0.962	1.151	1.099	1.047	1.039	7.2	*
Isopropylbenzene		9.208	8.481	8.725	9.516	10.166	9.977	9.346	7.2	
Bromobenzene		2.294	2.087	2.008	2.212	2.186	2.090	2.146	4.8	
1,1,2,2-Tetrachloroethane	*	2.402	2.333	2.199	2.483	2.196	2.037	2.275	7.1	*
1,2,3-Trichloropropane		0.692	0.721	0.651	0.773	0.669	0.617	0.687	8.0	
N-propylbenzene		12.464	11.563	11.598	12.428	12.813	12.296	12.194	4.1	
2-Chlorotoluene		7.880	7.110	7.001	7.453	7.511	6.986	7.324	4.8	
4-Chlorotoluene		7.727	7.055	6.995	7.436	7.635	7.353	7.367	4.0	
1,3,5-Trimethylbenzene		7.892	7.440	7.561	8.169	8.496	8.259	7.970	5.2	
Tert-butylbenzene		7.376	7.125	7.272	8.076	8.410	8.181	7.740	7.0	
1,2,4-Trimethylbenzene		8.302	7.867	7.879	8.488	8.745	8.516	8.300	4.3	
Sec-butylbenzene		10.674	10.171	10.239	11.160	11.644	11.374	10.877	5.6	
Trans-1,4-Dichloro-2-butene		0.856	0.846	0.860	0.987	0.863	0.787	0.866	7.6	
Pentachloroethane		1.314	1.275	1.272	1.374	1.445	1.357	1.339	5.0	
1,3-Dichlorobenzene		4.850	4.400	4.309	4.661	4.697	4.530	4.575	4.4	
4-Isopropyltoluene		9.539	8.843	8.970	9.690	10.138	10.136	9.553	5.8	
1,4-Dichlorobenzene		5.294	4.719	4.610	4.931	4.938	4.799	4.882	4.9	
1,2-Dichlorobenzene		4.521	4.076	4.077	4.431	4.382	4.311	4.299	4.3	
n-Butylbenzene		9.095	8.762	8.696	9.507	9.847	9.535	9.240	5.0	

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: GPL LABORATORIES,LLLP Contract:

Lab Code: GPL Case No.: SAS No.: SDG No.:

Instrument ID: HP#S Calibration Date(s): 03/08/05 03/08/05

Heated Purge (Y/N): Y Calibration Times: 10:31 12:56

GC Column: RTX_502.2 ID: 0.18 (mm)

LAB FILE ID: RRF005 = S006021.D RRF010 = S006022.D RRF200 = S006026.D

RRF020 = S006023.D RRF050 = S006024.D RRF100 = S006025.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF200	RRF	% RSD
1,2-Dibromo-3-chloropropane	0.386	0.463	0.431	0.535	0.467	0.439	0.453	10.9
1,2,4-Trichlorobenzene	2.860	2.783	2.800	3.045	3.108	3.045	2.940	4.8
Hexachlorobutadiene	1.749	1.609	1.575	1.718	1.748	1.747	1.691	4.6
Naphthalene	5.569	6.003	6.245	7.338	6.951	6.695	6.467	10.1
1,2,3-Trichlorobenzene	2.738	2.688	2.708	2.958	2.914	2.830	2.806	4.0
Xylene (Total)	3.984	3.571	3.517	3.820	4.069	4.150	3.852	6.8
n-Butanol	0.036	0.037	0.039	0.040	0.042	0.043	0.039	6.7
Tert-Butyl alcohol	0.036	0.041	0.041	0.051	0.042	0.047	0.043	12.4
Isopropyl Ether	1.730	1.710	1.767	1.805	1.758	1.768	1.756	1.9
Ethyl Ether	0.445	0.466	0.467	0.502	0.472	0.490	0.474	4.2
Freon 113	0.448	0.498	0.559	0.505	0.482	0.491	0.497	7.3
Allyl Alcohol	0.041	0.047	0.041	0.045	0.039	0.035	0.041	10.2
Ethyl Acetate	0.242	0.257	0.247	0.276	0.236	0.228	0.248	6.8
Cyclohexane	0.726	0.732	0.770	0.809	0.830	0.854	0.787	6.7
Cyclohexanone	1.270	1.155	1.164	1.221	1.252	1.174	1.206	4.0
Methyl Acetate	0.843	0.789	0.750	0.762	0.622	0.606	0.729	13.0
Tetrahydrofuran	0.153	0.184	0.156	0.191	0.156	0.157	0.166	10.0
1,2-Dichloroethane-d4	0.459	0.483	0.486	0.516	0.467	0.438	0.475	5.6
Toluene-d8	1.553	1.577	1.642	1.732	1.774	1.766	1.674	5.8
4-Bromofluorobenzene	2.263	2.283	2.398	2.594	2.560	2.419	2.420	5.7
1,2-Dichlorobenzene-d4	2.189	2.266	2.324	2.516	2.418	2.367	2.347	4.9

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

Surrogate Recovery Summary

Matrix : SOIL **Analytical Method : SW8260B** **SDG No : 503077**

Surrogate	BR4FBZ	BZMED8	DCA12D4	DCBZ12D4
Lower QC Limits	76	76	64	74
Upper QC Limits	116	120	120	122
Sample ID				
BKS74631	111	91	86	111
BLK74631	103	86	81	94
SD-04-031705	111	84	92	114
SD-04-031705MS	111	94	90	112
SD-04-031705MSD	118 *	100	95	119
SD-1-031705	107	80	90	106

* Value outside of QC Limts

BR4FBZ = 4-Bromofluorobenzene BZMED8 = Toluene-D8 DCA12D4 = 1,2-Dichloroethane-d4 DCBZ12D4 = 1,2-Dichlorobenzene-d4

Surrogate Recovery Summary

Matrix : WATER **Analytical Method : SW8260B** **SDG No : 503077**

Surrogate	BR4FBZ	BZMED8	DCA12D4	DCBZ12D4
Lower QC Limits	59	81	68	62
Upper QC Limits	143	117	128	142
Sample ID				
BKS74633	101	107	99	101
BLK74633	91	96	90	93
SW-3-031705	91	82	101	100
SW-3-031705MS	96	97	100	100
SW-3-031705MSD	92	92	97	96
SW-7-031705	81	79 *	97	91
TB031705	84	87	85	86

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* Value outside of QC Limts

BR4FBZ = 4-Bromofluorobenzene BZMED8 = Toluene-D8 DCA12D4 = 1,2-Dichloroethane-d4 DCBZ12D4 = 1,2-Dichlorobenzene-d4

Surrogate Recovery Summary

Matrix : WATER **Analytical Method : SW8260B** **SDG No : 503077**

Surrogate	BR4FBZ	BZMED8	DCA12D4	DCBZ12D4
Lower QC Limits	59	81	68	62
Upper QC Limits	143	117	128	142
Sample ID				
BKS74635	100	95	96	103
BLK74635	92	91	101	97
SW-1-031705	91	87	96	97
SW-2-031705	86	81	97	95
SW-3-031705RE	87	79 *	97	99
SW-4-031705	89	81	104	105
SW-5-031705	92	82	99	102
SW-6-031705	93	86	105	104
SW-7-031705RE	84	79 *	94	95

* Value outside of QC Limts

BR4FBZ = 4-Bromofluorobenzene BZMED8 = Toluene-D8 DCA12D4 = 1,2-Dichloroethane-d4 DCBZ12D4 = 1,2-Dichlorobenzene-d4

Surrogate Recovery Summary

Matrix : SOIL **Analytical Method : SW8260B** **SDG No : 503077**

Surrogate	BR4FBZ	BZMED8	DCA12D4	DCBZ12D4
Lower QC Limits	76	76	64	74
Upper QC Limits	116	120	120	122
Sample ID				
SD-3-031705	92	86	109	109

O Value outside of QC Limts

4FBZ = 4-Bromofluorobenzene BZMED8 = Toluene-D8 DCA12D4 = 1,2-Dichloroethane-d4 DCBZ12D4 = 1,2-Dichlorobenzene-d4

GPL

Form 8 1 of 1

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: GPL LABORATORIES Contract : Tetra Tech NUS

Lab Code: GPL Case No: N/A SAS No:N/A SDG No : 503077

Lab File ID: S006378.D Date Analyzed: 03/23/2005 Time Analyzed: 13:47

	14DFBZ		CLBZD5		FBZ	
	Area #	**RT #**	**Area #**	**RT #**	**Area #**	**RT #**
12 HOUR STD	288852	09.82	86724	12.98	350158	09.78
UPPER LIMIT	577704	10.32	173448	13.48	700316	10.28
LOWER LIMIT	144426	09.32	43362	12.48	175079	09.28
Client Sample						
BKS74631	260882	09.81	75025	12.98	310120	09.78
BLK74631	287921	09.81	76986	12.98	331234	09.78
SD-04-031705	219498	09.82	48844	12.98	223970	09.78
SD-04-031705MS	237092	09.82	66538	12.98	278986	09.78
SD-04-031705MSD	251338	09.82	69574	12.98	296240	09.78
SD-1-031705	233725	09.82	52144	12.98	241189	09.78

14DFBZ = 1,4-Difluorobenzene

CLBZD5 = Chlorobenzene-d5

FBZ = Fluorobenzene

AREA UPPER LIMIT = +100% of internal standard are

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +.50 minutes of internal standard RT

RT LOWER LIMIT = -.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk

* Values outside of contract required QC limits

SW8260B

GPL

Form 8 1 of 1

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: GPL LABORATORIES Contract : Tetra Tech NUS

Lab Code: GPL Case No: N/A SAS No:N/A SDG No : 503077

Lab File ID: S006458.D Date Analyzed: 03/28/2005 Time Analyzed: 08:07

	14DFBZ		CLBZD5		FBZ	
	Area #	**RT #**	**Area #**	**RT #**	**Area #**	**RT #**
12 HOUR STD	383293	09.82	112607	12.98	460816	09.78
UPPER LIMIT	766586	10.32	225214	13.48	921632	10.28
LOWER LIMIT	191647	09.32	56304	12.48	230408	09.28
Client Sample						
BKS74633	323508	09.82	95718	12.98	389257	09.78
BLK74633	353429	09.81	93209	12.98	413760	09.78
SW-3-031705	215045	09.81	47504*	12.98	220716*	09.78
SW-3-031705MS	238454	09.82	71122	12.98	280526	09.78
SW-3-031705MSD	258404	09.81	76749	12.98	300738	09.77
SW-7-031705	228080	09.82	51847*	12.98	240150	09.78
TB031705	320518	09.82	83708	12.98	368139	09.78

14DFBZ = 1,4-Difluorobenzene

CLBZD5 = Chlorobenzene-d5

FBZ = Fluorobenzene

AREA UPPER LIMIT = +100% of internal standard are

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +.50 minutes of internal standard RT

RT LOWER LIMIT = -.50 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk

* Values outside of contract required QC limits

SW8260B

GPL

Form 8 1 of 1

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: GPL LABORATORIES Contract : Tetra Tech NUS

Lab Code: GPL Case No: N/A SAS No:N/A SDG No : 503077

Lab File ID: S006489.D Date Analyzed: 03/29/2005 Time Analyzed: 10:05

	14DFBZ		CLBZD5		FBZ	
	Area #	**RT #**	**Area #**	**RT #**	**Area #**	**RT #**
12 HOUR STD	257279	09.82	72513	12.98	307682	09.78
UPPER LIMIT	514558	10.32	145026	13.48	615364	10.28
LOWER LIMIT	128640	09.32	36257	12.48	153841	09.28
Client Sample						
BKS74635	254148	09.82	71599	12.98	301436	09.78
BLK74635	221124	09.81	51854	12.98	244173	09.77
SD-3-031705	196853	09.81	41200	12.98	195989	09.78
SW-1-031705	238999	09.82	56334	12.98	266025	09.78
SW-2-031705	232464	09.81	52074	12.98	248258	09.78
SW-3-031705RE	216992	09.82	46644	12.98	220238	09.79
SW-4-031705	200321	09.82	42107	12.98	201557	09.79
SW-5-031705	209312	09.82	45847	12.98	215736	09.79
SW-6-031705	215007	09.82	47904	12.98	223018	09.78
SW-7-031705RE	220202	09.82	48544	12.98	231395	09.78

14DFBZ = 1,4-Difluorobenzene
CLBZD5 = Chlorobenzene-d5
FBZ = Fluorobenzene

AREA UPPER LIMIT = +100% of internal standard are
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +.50 minutes of internal standard RT
RT LOWER LIMIT = -.50 minutes of internal standard RT
Column to be used to flag values outside QC limit with an asterisk
* Values outside of contract required QC limits

SW8260B

GPL
Form 5

'OLATILE INSTRUMENT PERFORMANCE CHECK BROMOFLUROBENZENE(BFE

Lab Name: GPL LABORATORIES Contract : Tetra Tech NUS

Lab Code: GPL Case No: N/A SAS No:N/A SDG No : 503077

Lab File ID: S006376.D BFB Injection Date : 03/23/2005 BFB Injection Time : 12:51

GC Column: RTX_502.2 ID: 0.18

m/e	ION ABUNDANCE CRITERIA	%Relative Abundance	
50	15.0 - 40.0% of mass 95	23.6	
75	30.0 - 60.0% of mass 95	56.0	
95	Base peak. 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	7.4	
173	Less than 2.0% of mass 174	0.0	(0.0)1
174	50.0 - 120.0% of mass 95	76.4	
175	5.0 - 9.0% of mass 174	5.6	(7.3)1
176	95.0 - 101.0% of mass 174	72.7	(95.2)1
177	5.0 - 9.0% of mass 176	4.6	(6.3)2

1-Value is % mass 174 2-Value is % mass 176

	Client Sample	Lab Sample NO	Lab File ID	Date Analyzed	Time Analyzed
1	CCV050-03	CCV050-03	S006378.D	03/23/2005	13:47
2	BLK74631	BLK74631	S006379.D	03/23/2005	14:15
3	BKS74631	BKS74631	S006381.D	03/23/2005	15:11
4	SD-1-031705	503077-016-092-1/1	S006389.D	03/23/2005	18:56
5	SD-04-031705	503077-018-094-1/1	S006391.D	03/23/2005	19:53
6	SD-04-031705MS	503077-018-094-1/1MS	S006392.D	03/23/2005	20:22
7	SD-04-031705MSD	503077-018-094-1/1MSD	S006393.D	03/23/2005	20:51

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: GPL LABORATORIES,LLLP Contract:

Lab Code: GPL Case No.: SAS No.: SDG No.:

Instrument ID: HP#S Calibration Date: 03/23/05 Time: 13:47

Lab File ID: S006378.D Init. Calib. Date(s): 03/08/05 03/08/05

Heated Purge: (Y/N) Y Init. Calib. Times: 10:31 12:56

GC Column: RTX_502.2 ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	% D	MAX % D
Dichlorodifluoromethane	0.490	0.428		12.8	
Chloromethane	0.795	0.770	0.100	3.1	
Vinyl chloride	0.954	0.923	0.100	3.2	20.0
Bromomethane	0.255	0.164		35.6	
Chloroethane	0.434	0.399		8.1	
Trichlorofluoromethane	0.846	0.817		3.5	
1,1-Dichloroethene	0.454	0.432	0.100	4.8	20.0
Methylene chloride	0.528	0.511		3.1	
Iodomethane	0.235	0.186		20.9	
Trans-1,2-dichloroethene	0.457	0.418		8.7	
1,1-Dichloroethane	0.834	0.783	0.100	6.2	
Acetone	0.288	0.251		12.8	
Acrolein	0.090	0.085		5.6	
Acrylonitrile	0.203	0.193		5.0	
Acetonitrile	0.094	0.083		11.9	
MTBE	1.129	0.848		24.9	
Carbon disulfide	1.388	1.012		27.1	
Chloroprene	0.161	0.165		2.6	
Propionitrile	0.068	0.062		8.9	
Allyl Chloride	0.951	0.853		10.3	
2,2-Dichloropropane	0.365	0.278		23.9	
Cis-1,2-dichloroethene	0.419	0.398		5.0	
1,2-dichloroethene (total)	0.438	0.408		6.9	
Bromochloromethane	0.155	0.136		12.2	
Chloroform	0.735	0.682	0.100	7.2	20.0
Methacrylonitrile	0.386	0.353		8.5	
1,1,1-Trichloroethane	0.622	0.585		6.0	
Carbon tetrachloride	0.403	0.427		-6.2	
Methyl Methacrylate	0.577	0.560		3.0	
1,4-Dioxane	0.004	0.004		4.9	
Ethyl Methacrylate	0.514	0.493		4.2	
Isobutyl Alcohol	0.027	0.024		10.3	
2-Butanone	0.299	0.228		23.7	
1,1-Dichloropropene	0.812	0.688		15.3	
Vinyl Acetate	0.945	0.788		16.6	
2-Chloroethylvinyl ether	0.143	0.131		8.1	
Benzene	2.327	2.027		12.9	
1,2-Dichloroethane	0.734	0.629		14.3	
Trichloroethene	0.519	0.444		14.6	

All other compounds must meet a minimum RRF of 0.010.

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: GPL LABORATORIES,LLLP Contract:

Lab Code: GPL Case No.: SAS No.: SDG No.:

Instrument ID: HP#S Calibration Date: 03/23/05 Time: 13:47

Lab File ID: S006378.D Init. Calib. Date(s): 03/08/05 03/08/05

Heated Purge: (Y/N) Y Init. Calib. Times: 10:31 12:56

GC Column: RTX_502.2 ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	% D	MAX % D
1,2-Dichloropropane	0.572	0.526	0.100	8.1	20.0
Dibromomethane	0.261	0.210		19.3	
Bromodichloromethane	0.626	0.607		3.0	
Cis-1,3-dichloropropene	0.732	0.645		11.9	
Toluene	1.452	1.323	0.100	8.9	20.0
Trans-1,3-dichloropropene	0.661	0.654		1.0	
1,1,2-Trichloroethane	0.365	0.341		6.4	
1-Chlorohexane	0.686	0.658		4.1	
4-Methyl-2-pentanone	2.372	1.963		17.2	
2-Hexanone	1.690	1.437		15.0	
Tetrachloroethene	1.915	1.649		13.9	
1,3-Dichloropropane	2.871	2.474		13.8	
Dibromochloromethane	1.342	1.338		0.3	
1,2-Dibromoethane	1.318	1.155		12.4	
Chlorobenzene	5.371	4.804	0.300	10.6	
1,1,1,2-Tetrachloroethane	1.880	1.734		7.8	
Ethylbenzene	10.582	9.264	0.100	12.5	20.0
m,p-xylene	3.928	3.517		10.5	
o-xylene	3.700	3.363		9.1	
Styrene	6.007	5.524		8.1	
Bromoform	1.039	0.991	0.100	4.6	
Isopropylbenzene	9.346	8.514		8.9	
Bromobenzene	2.146	1.990		7.3	
1,1,2,2-Tetrachloroethane	2.275	2.080	0.300	8.6	
1,2,3-Trichloropropane	0.687	0.625		9.0	
N-propylbenzene	12.194	11.186		8.3	
2-Chlorotoluene	7.324	7.214		1.5	
4-Chlorotoluene	7.367	6.125		16.9	
1,3,5-Trimethylbenzene	7.970	7.375		7.5	
Tert-butylbenzene	7.740	7.291		5.8	
1,2,4-Trimethylbenzene	8.300	7.696		7.3	
Sec-butylbenzene	10.877	10.045		7.6	
Trans-1,4-Dichloro-2-butene	0.866	0.779		10.1	
Pentachloroethane	1.339	1.321		1.3	
1,3-Dichlorobenzene	4.575	4.239		7.3	
4-Isopropyltoluene	9.553	8.926		6.6	
1,4-Dichlorobenzene	4.882	4.555		6.7	
1,2-Dichlorobenzene	4.299	4.021		6.5	
n-Butylbenzene	9.240	8.525		7.7	

All other compounds must meet a minimum RRF of 0.010.

7A

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: GPL LABORATORIES,LLLP Contract:

Lab Code: GPL Case No.: SAS No.: SDG No.:

Instrument ID: HP#S Calibration Date: 03/23/05 Time: 13:47

Lab File ID: S006378.D Init. Calib. Date(s): 03/08/05 03/08/05

Heated Purge: (Y/N) Y Init. Calib. Times: 10:31 12:56

GC Column: RTX_502.2 ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	% D	MAX % D
1,2-Dibromo-3-chloropropane	0.453	0.402		11.3	
1,2,4-Trichlorobenzene	2.940	2.721		7.4	
Hexachlorobutadiene	1.691	1.596		5.6	
Naphthalene	6.467	5.916		8.5	
1,2,3-Trichlorobenzene	2.806	2.585		7.9	
Xylene (Total)	3.852	3.466		10.0	
n-Butanol	0.039	0.034		13.8	
Tert-Butyl alcohol	0.043				
Isopropyl Ether	1.756	1.637		6.8	
Ethyl Ether	0.474	0.453		4.3	
Freon 113	0.497	0.516		-3.8	
Allyl Alcohol	0.041	0.034		17.0	
Ethyl Acetate	0.248	0.221		10.8	
Cyclohexane	0.787	0.678		13.8	
Cyclohexanone	1.206	1.096		9.2	
Methyl Acetate	0.729	0.666		8.6	
Tetrahydrofuran	0.166				
1,2-Dichloroethane-d4	0.475	0.423		10.9	
Toluene-d8	1.674	1.691		-1.0	
4-Bromofluorobenzene	2.420	2.755		-13.8	
1,2-Dichlorobenzene-d4	2.347	2.660		-13.4	

All other compounds must meet a minimum RRF of 0.010.

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
BLK74631

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	503077
Case No. :		SDG NO :	503077
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	BLK74631
Sample Volume :	5	Lab File ID :	S006379.D
Level :	Low	Date Received	
% Moisture: not dec		Date Analyzed	03/23/2005
GC Column :	RTX_502.2 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
71-55-6	1,1,1-Trichloroethane	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
78-93-3	2-Butanone	10	U
591-78-6	2-Hexanone	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
67-64-1	Acetone	10	U
71-43-2	Benzene	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	10	U
75-15-0	Carbon Disulfide	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	10	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	10	U
110-82-7	Cyclohexane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
BLK74631

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	503077
Case No. :		SDG NO :	503077
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	BLK74631
Sample Volume :	5	Lab File ID :	S006379.D
Level :	Low	Date Received	
% Moisture: not dec		Date Analyzed	03/23/2005
GC Column :	RTX_502.2 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
100-41-4	Ethylbenzene	5.0	U
106-93-4	Ethylene Dibromide	5.0	U
76-13-1	Freon 113	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl Acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene Chloride	10	U
100-42-5	Styrene	5.0	U
127-18-4	Tetrachloroethylene	5.0	U
108-88-3	Toluene	5.0	U
79-01-6	Trichloroethene	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-01-4	Vinyl Chloride	10	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
136777-61-2	m,p-Xylenes	5.0	U
95-47-6	o-Xylene	5.0	U
1634-04-4	tert-butyl methyl ether	5.0	U
156-60-5	trans-1,2-dichloroethene	5.0	U
10061-02-6	trans-1,3-dichloropropene	5.0	U

GPL Laboratories

LCS SUMMARY

SAMPLE NO
BKS74631

Lab Name : GPL Laboratories
Contract. : Middle River
Lab Code : GPL
SDG NO : 503077
Matrix : SOIL
Lab Sample ID : BKS74631
Method : SW8260B
Analysis Date : 03/23/2005

COMPOUND	SPIKE ADDED (ug/kg)	BLANK CONCENTRATION (ug/kg)	LCS CONCENTRATION (ug/kg)	LCS % REC	QC LIMTS
1,1,1-Trichloroethane	50	0	49	98	67-141
1,1-Dichloroethene	50	0	46	92	65-133
1,2-Dichloroethane	50	0	44	88	71-139
4-Methyl-2-Pentanone	50	0	41	82	51-148
Benzene	50	0	44	88	82-121
Bromodichloromethane	50	0	50	100	78-137
Bromoform	50	0	50	100	65-159
Carbon Tetrachloride	50	0	58	116	62-151
Chlorobenzene	50	0	47	94	73-127
Chloroform	50	0	47	94	72-136
Dibromochloromethane	50	0	55	110	70-143
Toluene	50	0	45	90	73-127
Trichloroethene	50	0	42	84	72-116
Vinyl Chloride	50	0	51	102	65-129

* Values Outside of QC Limits.

Spike recovery : 0 out of 14 outside limits

GPL
Form 5

VOLATILE INSTRUMENT PERFORMANCE CHECK BROMOFLUROBENZENE(BFB

Lab Name: GPL LABORATORIES Contract : Tetra Tech NUS

Lab Code: GPL Case No: N/A SAS No:N/A SDG No : 503077

Lab File ID: S006456.D BFB Injection Date : 03/28/2005 BFB Injection Time : 07:10

GC Column: RTX_502.2 ID: 0.18

m/e	ION ABUNDANCE CRITERIA	%Relative Abundance	
50	15.0 - 40.0% of mass 95	21.3	
75	30.0 - 60.0% of mass 95	52.8	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	6.8	
173	Less than 2.0% of mass 174	0.3	(.4)1
174	50.0 - 120.0% of mass 95	77.6	
175	5.0 - 9.0% of mass 174	5.7	(7.3)1
176	95.0 - 101.0% of mass 174	75.9	(97.9)1
177	5.0 - 9.0% of mass 176	4.8	(6.4)2

1-Value is % mass 174 2-Value is % mass 176

	Client Sample	Lab Sample NO	Lab File ID	Date Analyzed	Time Analyzed
1	CCV050-02	CCV050-02	S006458.D	03/28/2005	08:07
2	BLK74633	BLK74633	S006459.D	03/28/2005	08:46
3	BKS74633	BKS74633	S006460.D	03/28/2005	09:15
4	TB031705	503077-001-001-1/2	S006461.D	03/28/2005	09:42
5	SW-7-031705	503077-006-009-1/3	S006469.D	03/28/2005	13:29
6	SW-3-031705	503077-014-021-1/9	S006473.D	03/28/2005	15:25
7	SW-3-031705MS	503077-014-021-1/9MS	S006474.D	03/28/2005	15:53
8	SW-3-031705MSD	503077-014-021-1/9MSD	S006475.D	03/28/2005	16:21

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: GPL LABORATORIES,LLLP Contract:

Lab Code: GPL Case No.: SAS No.: SDG No.:

Instrument ID: HP#S Calibration Date: 03/28/05 Time: 08:07

Lab File ID: S006458.D Init. Calib. Date(s): 03/08/05 03/08/05

Heated Purge: (Y/N) Y Init. Calib. Times: 10:31 12:56

GC Column: RTX_502.2 ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	% D	MAX % D
Dichlorodifluoromethane	0.490	0.419		14.5	
Chloromethane	0.795	0.685	0.100	13.8	
Vinyl chloride	0.954	0.773	0.100	18.9	20.0
Bromomethane	0.255	0.168		34.3	
Chloroethane	0.434	0.407		6.3	
Trichlorofluoromethane	0.846	0.795		6.0	
1,1-Dichloroethene	0.454	0.489	0.100	-7.8	20.0
Methylene chloride	0.528	0.554		-5.1	
Iodomethane	0.235	0.132		43.9	
Trans-1,2-dichloroethene	0.457	0.458		-0.2	
1,1-Dichloroethane	0.834	0.846	0.100	-1.4	
Acetone	0.288	0.236		18.1	
Acrolein	0.090	0.082		9.3	
Acrylonitrile	0.203	0.190		6.7	
Acetonitrile	0.094	0.082		12.3	
MTBE	1.129	0.607		46.2	
Carbon disulfide	1.388	1.267		8.7	
Chloroprene	0.161	0.168		-4.9	
Propionitrile	0.068	0.064		5.3	
Allyl Chloride	0.951	0.911		4.3	
2,2-Dichloropropane	0.365	0.358		2.0	
Cis-1,2-dichloroethene	0.419	0.461		-9.9	
1,2-dichloroethene (total)	0.438	0.460		-4.8	
Bromochloromethane	0.155	0.165		-6.2	
Chloroform	0.735	0.718	0.100	2.3	20.0
Methacrylonitrile	0.386	0.354		8.2	
1,1,1-Trichloroethane	0.622	0.638		-2.5	
Carbon tetrachloride	0.403	0.478		-18.8	
Methyl Methacrylate	0.577	0.594		-3.0	
1,4-Dioxane	0.004	0.004		-7.3	
Ethyl Methacrylate	0.514	0.498		3.1	
Isobutyl Alcohol	0.027	0.025		8.1	
2-Butanone	0.299	0.240		19.8	
1,1-Dichloropropene	0.812	0.786		3.2	
Vinyl Acetate	0.945	0.836		11.6	
2-Chloroethylvinyl ether	0.143	0.140		2.4	
Benzene	2.327	2.302		1.1	
1,2-Dichloroethane	0.734	0.662		9.8	
Trichloroethene	0.519	0.497		4.3	

All other compounds must meet a minimum RRF of 0.010.

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: GPL LABORATORIES,LLLP Contract:

Lab Code: GPL Case No.: SAS No.: SDG No.:

Instrument ID: HP#S Calibration Date: 03/28/05 Time: 08:07

Lab File ID: S006458.D Init. Calib. Date(s): 03/08/05 03/08/05

Heated Purge: (Y/N) Y Init. Calib. Times: 10:31 12:56

GC Column: RTX_502.2 ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	% D	MAX % D
1,2-Dichloropropane	0.572	0.558	0.100	2.4	20.0
Dibromomethane	0.261	0.238		8.7	
Bromodichloromethane	0.626	0.641		-2.3	
Cis-1,3-dichloropropene	0.732	0.712		2.7	
Toluene	1.452	1.463	0.100	-0.8	20.0
Trans-1,3-dichloropropene	0.661	0.694		-5.1	
1,1,2-Trichloroethane	0.365	0.360		1.3	
1-Chlorohexane	0.686	0.659		3.9	
4-Methyl-2-pentanone	2.372	2.036		14.2	
2-Hexanone	1.690	1.493		11.6	
Tetrachloroethene	1.915	1.945		-1.6	
1,3-Dichloropropane	2.871	2.677		6.8	
Dibromochloromethane	1.342	1.438		-7.1	
1,2-Dibromoethane	1.318	1.299		1.5	
Chlorobenzene	5.371	5.270	0.300	1.9	
1,1,1,2-Tetrachloroethane	1.880	1.861		1.0	
Ethylbenzene	10.582	10.107	0.100	4.5	20.0
m,p-xylene	3.928	3.811		3.0	
o-xylene	3.700	3.596		2.8	
Styrene	6.007	5.851		2.6	
Bromoform	1.039	1.060	0.100	-2.0	
Isopropylbenzene	9.346	9.014		3.5	
Bromobenzene	2.146	2.070		3.5	
1,1,2,2-Tetrachloroethane	2.275	2.111	0.300	7.2	
1,2,3-Trichloropropane	0.687	0.641		6.7	
N-propylbenzene	12.194	11.483		5.8	
2-Chlorotoluene	7.324	7.468		-2.0	
4-Chlorotoluene	7.367	6.140		16.6	
1,3,5-Trimethylbenzene	7.970	7.552		5.2	
Tert-butylbenzene	7.740	7.463		3.6	
1,2,4-Trimethylbenzene	8.300	7.743		6.7	
Sec-butylbenzene	10.877	10.289		5.4	
Trans-1,4-Dichloro-2-butene	0.866	0.734		15.3	
Pentachloroethane	1.339	1.278		4.5	
1,3-Dichlorobenzene	4.575	4.296		6.1	
4-Isopropyltoluene	9.553	9.015		5.6	
1,4-Dichlorobenzene	4.882	4.567		6.4	
1,2-Dichlorobenzene	4.299	4.025		6.4	
n-Butylbenzene	9.240	8.547		7.5	

All other compounds must meet a minimum RRF of 0.010.

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: GPL LABORATORIES,LLLP Contract:

Lab Code: GPL Case No.: SAS No.: SDG No.:

Instrument ID: HP#S Calibration Date: 03/28/05 Time: 08:07

Lab File ID: S006458.D Init. Calib. Date(s): 03/08/05 03/08/05

Heated Purge: (Y/N) Y Init. Calib. Times: 10:31 12:56

GC Column: RTX_502.2 ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	% D	MAX % D
1,2-Dibromo-3-chloropropane	0.453	0.395		12.9	
1,2,4-Trichlorobenzene	2.940	2.798		4.8	
Hexachlorobutadiene	1.691	1.686		0.3	
Naphthalene	6.467	6.214		3.9	
1,2,3-Trichlorobenzene	2.806	2.697		3.9	
Xylene (Total)	3.852	3.740		2.9	
n-Butanol	0.039	0.032		18.9	
Tert-Butyl alcohol	0.043				
Isopropyl Ether	1.756	1.626		7.4	
Ethyl Ether	0.474	0.429		9.4	
Freon 113	0.497	0.471		5.3	
Allyl Alcohol	0.041	0.028		33.4	
Ethyl Acetate	0.248	0.214		13.5	
Cyclohexane	0.787	0.638		19.0	
Cyclohexanone	1.206	1.122		7.0	
Methyl Acetate	0.729	0.633		13.2	
Tetrahydrofuran	0.166				
1,2-Dichloroethane-d4	0.475	0.468		1.5	
Toluene-d8	1.674	1.803		-7.7	
4-Bromofluorobenzene	2.420	2.453		-1.4	
1,2-Dichlorobenzene-d4	2.347	2.320		1.1	

All other compounds must meet a minimum RRF of 0.010.

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
BLK74633

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	503077
Case No. :		SDG NO :	503077
Matrix : (Soil / Water)	WATER	Lab Sample ID :	BLK74633
Sample Volume :	5	Lab File ID :	S006459.D
Level :	Low	Date Received	
% Moisture: not dec		Date Analyzed	03/28/2005
GC Column :	RTX_502.2 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
71-55-6	1,1,1-Trichloroethane	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
123-91-1	1,4-Dioxane (P-Dioxane)	100	U
78-93-3	2-Butanone	10	U
591-78-6	2-Hexanone	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
67-64-1	Acetone	10	U
71-43-2	Benzene	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	10	U
75-15-0	Carbon Disulfide	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	10	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	10	U
110-82-7	Cyclohexane	5.0	U
124-48-1	Dibromochloromethane	5.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
BLK74633

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	503077
Case No. :		SDG NO :	503077
Matrix : (Soil / Water)	WATER	Lab Sample ID :	BLK74633
Sample Volume :	5	Lab File ID :	S006459.D
Level :	Low	Date Received	
% Moisture: not dec		Date Analyzed	03/28/2005
GC Column :	RTX_502.2 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
75-71-8	Dichlorodifluoromethane	5.0	U
100-41-4	Ethylbenzene	5.0	U
106-93-4	Ethylene Dibromide	5.0	U
76-13-1	Freon 113	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl Acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene Chloride	10	U
100-42-5	Styrene	5.0	U
127-18-4	Tetrachloroethylene	5.0	U
108-88-3	Toluene	5.0	U
79-01-6	Trichloroethene	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-01-4	Vinyl Chloride	10	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
136777-61-2	m,p-Xylenes	5.0	U
95-47-6	o-Xylene	5.0	U
1634-04-4	tert-butyl methyl ether	5.0	U
156-60-5	trans-1,2-dichloroethene	5.0	U
10061-02-6	trans-1,3-dichloropropene	5.0	U

GPL Laboratories

LCS SUMMARY

SAMPLE NO
BKS74633

Lab Name : GPL Laboratories
Lab Code : GPL
Matrix : WATER
Method : SW8260B

Contract. : Middle River
SDG NO : 503077
Lab Sample ID : BKS74633
Analysis Date : 03/28/2005

COMPOUND	SPIKE ADDED (ug/L)	BLANK CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMTS
1,1,1-Trichloroethane	50	0	52	104	73-145
1,1-Dichloroethene	50	0	56	112	60-168
1,2-Dichloroethane	50	0	47	94	72-144
4-Methyl-2-Pentanone	50	0	40	80	67-137
Benzene	50	0	50	100	81-129
Bromodichloromethane	50	0	52	104	78-138
Bromoform	50	0	50	100	75-151
Carbon Tetrachloride	50	0	61	122	70-162
Chlorobenzene	50	0	49	98	91-119
Chloroform	50	0	51	102	81-133
Dibromochloromethane	50	0	53	106	79-139
Toluene	50	0	51	102	84-120
Trichloroethene	50	0	49	98	75-123
Vinyl Chloride	50	0	46	92	54-120

* Values Outside of QC Limits.

Spike recovery : 0 out of 14 outside limits

GPL Laboratories

MS/MSD RECOVERY

SAMPLE NO
SD-04-031705MSD

Lab Name : GPL Laboratories SDG NO : 503077 Method : SW8260B

Lab Code : GPL Lab Sample ID : 503077-018-094-1/1MSD Matrix : SOIL Analysis Date : 03/23/2005

Compound	Spike Added (ug/kg)		CONCENTRATION (ug/kg)			%RECOVERY		% RPD	RPD Limit	QC Limits
	MS	MSD	Sample	MS	MSD	MS	MSD			
1,1,1-Trichloroethane	69	69	0	53	50	77	72	7	20	67-141
1,1-Dichloroethene	69	69	0	53	55	77	80	4	25	65-133
1,2-Dichloroethane	69	69	0	52	48	75	70 *	7	20	71-139
4-Methyl-2-Pentanone	69	69	0	41	31	59	45 *	27 *	25	51-148
Benzene	69	69	0	50	46	72 *	67 *	7	25	82-121
Bromodichloromethane	69	69	0	50	43	72 *	62 *	15	20	78-137
Bromoform	69	69	0	43	32	62 *	46 *	30 *	20	65-159
Carbon Tetrachloride	69	69	0	51	48	74	70	6	20	62-151
Chlorobenzene	69	69	0	45	39	65 *	57 *	13	25	73-127
Chloroform	69	69	0	60	55	87	80	8	30	72-136
Dibromochloromethane	69	69	0	47	37	68 *	54 *	23 *	20	70-143
Toluene	69	69	0	47	42	68 *	61 *	11	25	73-127
Trichloroethene	69	69	0	42	40	61 *	58 *	5	25	72-116
Vinyl Chloride	69	69	0	64	63	93	91	2	30	65-129

Column to be used to flag recovery and RPD Values with an asterisk.

* Values Outside of QC Limits.

RPD 3 Out of 14 Outside Limit
Spike Recovery : 16 Out of 28 outside limit

GPL Laboratories

MS/MSD RECOVERY

SAMPLE NO
SW-3-031705MSD

Lab Name : GPL Laboratories SDG NO : 503077 Method : SW8260B

Lab Code : GPL Lab Sample ID : 503077-014-021-1/9MSD Matrix : WATER Analysis Date : 03/28/2005

Compound	Spike Added (ug/L)		CONCENTRATION (ug/L)			%RECOVERY		% RPD	RPD Limit	QC Limits
	MS	MSD	Sample	MS	MSD	MS	MSD			
1,1,1-Trichloroethane	50	50	0	54	46	108	92	16	20	55-163
1,1-Dichloroethene	50	50	0	50	46	100	92	8	25	33-195
1,2-Dichloroethane	50	50	0	48	40	96	80	18	25	54-162
4-Methyl-2-Pentanone	50	50	0	39	33	78	66	17	25	49-155
Benzene	50	50	0	50	41	100	82	20	25	69-141
Bromodichloromethane	50	50	0	53	45	106	90	16	20	63-153
Bromoform	50	50	0	52	44	104	88	17	20	56-170
Carbon Tetrachloride	50	50	0	65	58	130	116	11	20	47-185
Chlorobenzene	50	50	0	50	40	100	80 *	22	25	84-126
Chloroform	50	50	0	52	44	104	88	17	30	68-146
Dibromochloromethane	50	50	0	53	48	106	96	10	20	64-154
Toluene	50	50	0	52	42	104	84	21	25	75-129
Trichloroethene	50	50	0	44	37	88	74	17	25	63-135
Vinyl Chloride	50	50	0	57	52	114	104	9	30	39-177

007

Column to be used to flag recovery and RPD Values with an asterisk.

* Values Outside of QC Limits.

RPD 0 Out of 14 Outside Limit
Spike Recovery : 1 Out of 28 outside limit

GPL
Form 5

'OLATILE INSTRUMENT PERFORMANCE CHECK BROMOFLUROBENZENE(BFE

Lab Name: GPL LABORATORIES Contract : Tetra Tech NUS

Lab Code: GPL Case No: N/A SAS No:N/A SDG No : 503077

Lab File ID: S006487.D BFB Injection Date : 03/29/2005 BFB Injection Time : 09:08

GC Column: RTX_502.2 ID: 0.18

m/e	ION ABUNDANCE CRITERIA	%Relative Abundance	
50	15.0 - 40.0% of mass 95	23.7	
75	30.0 - 60.0% of mass 95	57.0	
95	Base peak. 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	7.7	
173	Less than 2.0% of mass 174	0.0	(0.0)1
174	50.0 - 120.0% of mass 95	75.7	
175	5.0 - 9.0% of mass 174	5.5	(7.2)1
176	95.0 - 101.0% of mass 174	74.2	(98.0)1
177	5.0 - 9.0% of mass 176	4.6	(6.2)2

1-Value is % mass 174 2-Value is % mass 176

	Client Sample	Lab Sample NO	Lab File ID	Date Analyzed	Time Analyzed
1	CCV050-02	CCV050-02	S006489.D	03/29/2005	10:05
2	BLK74635	BLK74635	S006490.D	03/29/2005	10:33
3	BKS74635	BKS74635	S006491.D	03/29/2005	11:01
4	SW-1-031705	503077-002-003-1/3	S006492.D	03/29/2005	11:30
5	SW-2-031705	503077-004-006-1/3	S006493.D	03/29/2005	11:57
6	SW-7-031705RE	503077-006-010-2/3	S006494.D	03/29/2005	12:25
7	SW-6-031705	503077-008-012-1/3	S006495.D	03/29/2005	12:53
8	SW-5-031705	503077-010-015-1/3	S006496.D	03/29/2005	13:21
9	SW-4-031705	503077-012-018-1/3	S006497.D	03/29/2005	13:51
10	SW-3-031705RE	503077-014-022-2/9	S006498.D	03/29/2005	14:18
11	SD-3-031705	503077-017-093-1/1	S006499.D	03/29/2005	14:48

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: GPL LABORATORIES,LLLP Contract:

Lab Code: GPL Case No.: SAS No.: SDG No.:

Instrument ID: HP#S Calibration Date: 03/29/05 Time: 10:05

Lab File ID: S006489.D Init. Calib. Date(s): 03/08/05 03/08/05

Heated Purge: (Y/N) Y Init. Calib. Times: 10:31 12:56

GC Column: RTX_502.2 ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	% D	MAX % D
Dichlorodifluoromethane	0.490	0.491		-0.2	
Chloromethane	0.795	0.780	0.100	1.8	
Vinyl chloride	0.954	1.091	0.100	-14.4	20.0
Bromomethane	0.255	0.202		20.8	
Chloroethane	0.434	0.455		-4.8	
Trichlorofluoromethane	0.846	0.914		-8.0	
1,1-Dichloroethene	0.454	0.507	0.100	-11.5	20.0
Methylene chloride	0.528	0.594		-12.5	
Iodomethane	0.235	0.137		41.7	
Trans-1,2-dichloroethene	0.457	0.384		16.0	
1,1-Dichloroethane	0.834	0.867	0.100	-3.9	
Acetone	0.288	0.275		4.6	
Acrolein	0.090	0.093		-2.4	
Acrylonitrile	0.203	0.216		-6.4	
Acetonitrile	0.094	0.092		1.8	
MTBE	1.129	0.659		41.6	
Carbon disulfide	1.388	1.343		3.2	
Chloroprene	0.161	0.152		5.2	
Propionitrile	0.068	0.067		1.8	
Allyl Chloride	0.951	0.939		1.3	
2,2-Dichloropropane	0.365	0.337		7.8	
Cis-1,2-dichloroethene	0.419	0.447		-6.7	
1,2-dichloroethene (total)	0.438	0.416		5.2	
Bromochloromethane	0.155	0.161		-3.8	
Chloroform	0.735	0.762	0.100	-3.6	20.0
Methacrylonitrile	0.386	0.393		-1.9	
1,1,1-Trichloroethane	0.622	0.663		-6.5	
Carbon tetrachloride	0.403	0.501		-24.6	
Methyl Methacrylate	0.577	0.599		-3.9	
1,4-Dioxane	0.004	0.004		2.4	
Ethyl Methacrylate	0.514	0.526		-2.3	
Isobutyl Alcohol	0.027	0.025		6.2	
2-Butanone	0.299	0.232		22.4	
1,1-Dichloropropene	0.812	0.779		4.0	
Vinyl Acetate	0.945	0.769		18.7	
2-Chloroethylvinyl ether	0.143	0.145		-1.7	
Benzene	2.327	2.319		0.3	
1,2-Dichloroethane	0.734	0.714		2.7	
Trichloroethene	0.519	0.492		5.3	

All other compounds must meet a minimum RRF of 0.010.

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: GPL LABORATORIES,LLLP Contract:

Lab Code: GPL Case No.: SAS No.: SDG No.:

Instrument ID: HP#S Calibration Date: 03/29/05 Time: 10:05

Lab File ID: S006489.D Init. Calib. Date(s): 03/08/05 03/08/05

Heated Purge: (Y/N) Y Init. Calib. Times: 10:31 12:56

GC Column: RTX_502.2 ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	% D	MAX % D
1,2-Dichloropropane	0.572	0.582	0.100	-1.7	20.0
Dibromomethane	0.261	0.248		5.0	
Bromodichloromethane	0.626	0.675		-7.7	
Cis-1,3-dichloropropene	0.732	0.677		7.4	
Toluene	1.452	1.482	0.100	-2.1	20.0
Trans-1,3-dichloropropene	0.661	0.692		-4.7	
1,1,2-Trichloroethane	0.365	0.381		-4.4	
1-Chlorohexane	0.686	0.699		-1.8	
4-Methyl-2-pentanone	2.372	2.154		9.2	
2-Hexanone	1.690	1.619		4.2	
Tetrachloroethene	1.915	1.977		-3.2	
1,3-Dichloropropane	2.871	2.860		0.4	
Dibromochloromethane	1.342	1.512		-12.7	
1,2-Dibromoethane	1.318	1.338		-1.5	
Chlorobenzene	5.371	5.642	0.300	-5.0	
1,1,1,2-Tetrachloroethane	1.880	2.068		-10.0	
Ethylbenzene	10.582	10.990	0.100	-3.9	20.0
m,p-xylene	3.928	4.188		-6.6	
o-xylene	3.700	3.918		-5.9	
Styrene	6.007	6.395		-6.4	
Bromoform	1.039	1.170	0.100	-12.7	
Isopropylbenzene	9.346	9.837		-5.3	
Bromobenzene	2.146	2.286		-6.5	
1,1,2,2-Tetrachloroethane	2.275	2.410	0.300	-5.9	
1,2,3-Trichloropropane	0.687	0.739		-7.5	
N-propylbenzene	12.194	12.884		-5.7	
2-Chlorotoluene	7.324	8.408		-14.8	
4-Chlorotoluene	7.367	7.019		4.7	
1,3,5-Trimethylbenzene	7.970	8.556		-7.4	
Tert-butylbenzene	7.740	8.353		-7.9	
1,2,4-Trimethylbenzene	8.300	8.898		-7.2	
Sec-butylbenzene	10.877	11.729		-7.8	
Trans-1,4-Dichloro-2-butene	0.866	0.853		1.6	
Pentachloroethane	1.339	1.469		-9.7	
1,3-Dichlorobenzene	4.575	4.900		-7.1	
4-Isopropyltoluene	9.553	10.238		-7.2	
1,4-Dichlorobenzene	4.882	5.215		-6.8	
1,2-Dichlorobenzene	4.299	4.657		-8.3	
n-Butylbenzene	9.240	9.973		-7.9	

All other compounds must meet a minimum RRF of 0.010.

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: GPL LABORATORIES,LLLP Contract:

Lab Code: GPL Case No.: SAS No.: SDG No.:

Instrument ID: HP#S Calibration Date: 03/29/05 Time: 10:05

Lab File ID: S006489.D Init. Calib. Date(s): 03/08/05 03/08/05

Heated Purge: (Y/N) Y Init. Calib. Times: 10:31 12:56

GC Column: RTX_502.2 ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	% D	MAX % D
1,2-Dibromo-3-chloropropane	0.453	0.464		-2.3	
1,2,4-Trichlorobenzene	2.940	3.052		-3.8	
Hexachlorobutadiene	1.691	1.904		-12.6	
Naphthalene	6.467	6.947		-7.4	
1,2,3-Trichlorobenzene	2.806	3.020		-7.6	
Xylene (Total)	3.852	4.098		-6.4	
n-Butanol	0.039	0.030		23.2	
Tert-Butyl alcohol	0.043				
Isopropyl Ether	1.756	1.544		12.1	
Ethyl Ether	0.474	0.440		7.1	
Freon 113	0.497	0.516		-3.9	
Allyl Alcohol	0.041	0.033		19.6	
Ethyl Acetate	0.248	0.218		11.9	
Cyclohexane	0.787	0.604		23.3	
Cyclohexanone	1.206	1.240		-2.8	
Methyl Acetate	0.729	0.708		2.9	
Tetrahydrofuran	0.166				
1,2-Dichloroethane-d4	0.475	0.476		-0.2	
Toluene-d8	1.674	1.691		-1.0	
4-Bromofluorobenzene	2.420	2.536		-4.8	
1,2-Dichlorobenzene-d4	2.347	2.530		-7.8	

All other compounds must meet a minimum RRF of 0.010.

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
BLK74635

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	503077
Case No. :		SDG NO :	503077
Matrix : (Soil / Water)	WATER	Lab Sample ID :	BLK74635
Sample Volume :	5	Lab File ID :	S006490.D
Level :	Low	Date Received	
% Moisture: not dec		Date Analyzed	03/29/2005
GC Column :	RTX_502.2 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
71-55-6	1,1,1-Trichloroethane	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
123-91-1	1,4-Dioxane (P-Dioxane)	100	U
78-93-3	2-Butanone	10	U
591-78-6	2-Hexanone	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
67-64-1	Acetone	10	U
71-43-2	Benzene	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	10	U
75-15-0	Carbon Disulfide	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	10	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	10	U
110-82-7	Cyclohexane	5.0	U
124-48-1	Dibromochloromethane	5.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
BLK74635

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	503077
Case No. :		SDG NO :	503077
Matrix : (Soil / Water)	WATER	Lab Sample ID :	BLK74635
Sample Volume :	5	Lab File ID :	S006490.D
Level :	Low	Date Received	
% Moisture: not dec		Date Analyzed	03/29/2005
GC Column :	RTX_502.2 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
75-71-8	Dichlorodifluoromethane	5.0	U
100-41-4	Ethylbenzene	5.0	U
106-93-4	Ethylene Dibromide	5.0	U
76-13-1	Freon 113	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl Acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene Chloride	10	U
100-42-5	Styrene	5.0	U
127-18-4	Tetrachloroethylene	5.0	U
108-88-3	Toluene	5.0	U
79-01-6	Trichloroethene	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-01-4	Vinyl Chloride	10	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
136777-61-2	m,p-Xylenes	5.0	U
95-47-6	o-Xylene	5.0	U
1634-04-4	tert-butyl methyl ether	5.0	U
156-60-5	trans-1,2-dichloroethene	5.0	U
10061-02-6	trans-1,3-dichloropropene	5.0	U

GPL Laboratories

LCS SUMMARY

SAMPLE NO
BKS74635

Lab Name : GPL Laboratories
Lab Code : GPL
Matrix : WATER
Method : SW8260B

Contract. : Middle River
SDG NO : 503077
Lab Sample ID : BKS74635
Analysis Date : 03/29/2005

COMPOUND	SPIKE ADDED (ug/L)	BLANK CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMTS
1,1,1-Trichloroethane	50	0	53	106	73-145
1,1-Dichloroethene	50	0	52	104	60-168
1,2-Dichloroethane	50	0	48	96	72-144
4-Methyl-2-Pentanone	50	0	46	92	67-137
Benzene	50	0	49	98	81-129
Bromodichloromethane	50	0	53	106	78-138
Bromoform	50	0	57	114	75-151
Carbon Tetrachloride	50	0	63	126	70-162
Chlorobenzene	50	0	53	106	91-119
Chloroform	50	0	52	104	81-133
Dibromochloromethane	50	0	57	114	79-139
Toluene	50	0	51	102	84-120
Trichloroethene	50	0	47	94	75-123
Vinyl Chloride	50	0	55	110	54-120

* Values Outside of QC Limits.

Spike recovery : 0 out of 14 outside limits

TETRA TECH NUS, INC. **CALCULATION WORKSHEET** PAGE _____ OF _____

CLIENT	JOB NUMBER		
Lockheed Middle River	Job-00076 SDG-50377		
SUBJECT	Sample Calculation		
BASED ON		DRAWING NUMBER	
BY	CHECKED BY	APPROVED BY	DATE
Bernard F Spada III			5/20/05

Sample SW-5-031705 Carbon disulfide = 8.6 ug/L

$$\text{Carbon disulfide} = \frac{(51647)(50\ \text{ug/L})}{(215736)(1.388)} = 8.62\ \text{ug/L}$$

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SW-5-031705

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	503077
Case No. :		SDG NO :	503077
Matrix : (Soil / Water)	WATER	Lab Sample ID :	503077-010-015-1/3
Sample Volume :	5	Lab File ID :	S006496.D
Level :	Low	Date Received	03/17/2005
% Moisture: not dec		Date Analyzed	03/29/2005
GC Column :	RTX_502.2 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
71-55-6	1,1,1-Trichloroethane	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
123-91-1	1,4-Dioxane (P-Dioxane)	100	U
78-93-3	2-Butanone	10	U
591-78-6	2-Hexanone	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
67-64-1	Acetone	10	U
71-43-2	Benzene	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	10	U
75-15-0	Carbon Disulfide	8.6	
56-23-5	Carbon Tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	10	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	10	U
110-82-7	Cyclohexane	5.0	U
124-48-1	Dibromochloromethane	5.0	U

Quantitation Report (QT Reviewed)

Data File : H:\GCMSDATA\S\032905\S006496.D Vial: 9
Acq On : 29 Mar 2005 13:21 Operator: NK
Sample : 503077-010 Inst : GC MS-S
Misc : SW-5-031705, TETRA TECH, WATER, 5 ML Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Mar 29 13:52 19105 Quant Results File: 826_5S20.RES

Quant Method : H:\GCMSDATA\S\METHODS\826_5S20.M (RTE Integrator)
Title : USEPA Method 8260 Volatiles 5ml Purge
Last Update : Tue Mar 08 13:23:30 2005
Response via : Initial Calibration
DataAcq Meth : 8260

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	9.79	96	215736	50.00	ug/L	0.01
45) 1,4-Difluorobenzene	9.82	114	209312	50.00	ug/L	0.00
63) Chlorobenzene-d5	12.98	119	45847	50.00	ug/L	0.00
System Monitoring Compounds						
42) 1,2-Dichloroethane-d4	9.43	65	101559	49.58	ug/L	0.00
Spiked Amount 50.000	Range 68 - 128		Recovery = 99.16%			
58) Toluene-d8	11.43	98	286942	40.95	ug/L	0.00
Spiked Amount 50.000	Range 81 - 117		Recovery = 81.90%			
80) 4-Bromofluorobenzene	14.19	95	102160	46.05	ug/L	0.00
Spiked Amount 50.000	Range 59 - 143		Recovery = 92.10%			
96) 1,2-Dichlorobenzene-d4	15.83	152	110120	51.18	ug/L	0.00
Spiked Amount 50.000	Range 62 - 142		Recovery = 102.36%			
Target Compounds						Qvalue
23) Carbon disulfide	6.94	76	51647	8.63	ug/L	100

(#) = qualifier out of range (m) = manual integration

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: GPL LABORATORIES,LLLP Contract:

Lab Code: GPL Case No.: SAS No.: SDG No.:

Instrument ID: HP#S Calibration Date: 03/28/05 Time: 08:07

Lab File ID: S006458.D Init. Calib. Date(s): 03/08/05 03/08/05

Heated Purge: (Y/N) Y Init. Calib. Times: 10:31 12:56

GC Column: RTX_502.2 ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	% D	MAX % D
Dichlorodifluoromethane	0.490	0.419		14.5	
Chloromethane	0.795	0.685	0.100	13.8	
Vinyl chloride	0.954	0.773	0.100	18.9	20.0
Bromomethane	0.255	0.168		34.3	
Chloroethane	0.434	0.407		6.3	
Trichlorofluoromethane	0.846	0.795		6.0	
1,1-Dichloroethene	0.454	0.489	0.100	-7.8	20.0
Methylene chloride	0.528	0.554		-5.1	
Iodomethane	0.235	0.132		43.9	
Trans-1,2-dichloroethene	0.457	0.458		-0.2	
1,1-Dichloroethane	0.834	0.846	0.100	-1.4	
Acetone	0.288	0.236		18.1	
Acrolein	0.090	0.082		9.3	
Acrylonitrile	0.203	0.190		6.7	
Acetonitrile	0.094	0.082		12.3	
MTBE	1.129	0.607		46.2	
Carbon disulfide	1.388	1.267		8.7	
Chloroprene	0.161	0.168		-4.9	
Propionitrile	0.068	0.064		5.3	
Allyl Chloride	0.951	0.911		4.3	
2,2-Dichloropropane	0.365	0.358		2.0	
Cis-1,2-dichloroethene	0.419	0.461		-9.9	
1,2-dichloroethene (total)	0.438	0.460		-4.8	
Bromochloromethane	0.155	0.165		-6.2	
Chloroform	0.735	0.718	0.100	2.3	20.0
Methacrylonitrile	0.386	0.354		8.2	
1,1,1-Trichloroethane	0.622	0.638		-2.5	
Carbon tetrachloride	0.403	0.478		-18.8	
Methyl Methacrylate	0.577	0.594		-3.0	
1,4-Dioxane	0.004	0.004		-7.3	
Ethyl Methacrylate	0.514	0.498		3.1	
Isobutyl Alcohol	0.027	0.025		8.1	
2-Butanone	0.299	0.240		19.8	
1,1-Dichloropropene	0.812	0.786		3.2	
Vinyl Acetate	0.945	0.836		11.6	
2-Chloroethylvinyl ether	0.143	0.140		2.4	
Benzene	2.327	2.302		1.1	
1,2-Dichloroethane	0.734	0.662		9.8	
Trichloroethene	0.519	0.497		4.3	

All other compounds must meet a minimum RRF of 0.010.

5B-8270

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: GPL_LABORATORIES Contract: TT_NUS

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: T23079.D DFTPP Injection Date: 03/10/05

Instrument ID: HP#T DFTPP Injection Time: 15:59

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	56.9
70	Less than 2.0% of mass 69	0.3 (0.5)1
127	40.0 - 60.0% of mass 198	46.1
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	7.6
275	10.0 - 30.0% of mass 198	22.0
365	Greater than 1.0% of mass 198	1.7
441	Present, but less than mass 443	6.4
442	40.0 - 110.0% of mass 198	42.7
443	17.0 - 23.0% of mass 442	8.6 (20.2)2

1-Value is % mass 69 2-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	SSTD050 DEVANS	SSTD050 DEVANS	T23080.D	03/10/05	16:26
02	SSTD160 DEVANS	SSTD160 DEVANS	T23081.D	03/10/05	17:04
03	SSTD010 DEVANS	SSTD010 DEVANS	T23082.D	03/10/05	17:42
04	SSTD020 DEVANS	SSTD020 DEVANS	T23083.D	03/10/05	18:20
05	SSTD080 DEVANS	SSTD080 DEVANS	T23084.D	03/10/05	18:58
06	SSTD120 DEVANS	SSTD120 DEVANS	T23085.D	03/10/05	19:36

5B-8270

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: GPL_LABORATORIES Contract: TT_NUS

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: T23145.D DFTPP Injection Date: 03/14/05

Instrument ID: HP#T DFTPP Injection Time: 10:08

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	41.4
68	Less than 2.0% of mass 69	0.2 (0.4)1
69	Mass 69 Relative abundance	52.1
70	Less than 2.0% of mass 69	0.2 (0.3)1
127	40.0 - 60.0% of mass 198	46.2
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	24.1
365	Greater than 1.0% of mass 198	2.0
441	Present, but less than mass 443	8.1
442	40.0 - 110.0% of mass 198	56.1
443	17.0 - 23.0% of mass 442	11.0 (19.5)2

1-Value is % mass 69 2-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	SSTD050	SSTD050	T23146.D	03/14/05	10:30
02	SSTD160	SSTD160	T23147.D	03/14/05	11:15
03	SSTD010	SSTD010	T23148.D	03/14/05	11:58
04	SSTD020	SSTD020	T23149.D	03/14/05	12:42
05	SSTD080	SSTD080	T23150.D	03/14/05	13:25
06	SSTD120	SSTD120	T23151.D	03/14/05	14:09

6B

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: GPL_LABORATORIES Contract: TT_NUS

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Instrument ID: HP#T Calibration Date(s): 03/10/05 03/10/05

Calibration Times: 16:26 19:36

LAB FILE ID: RRF10 = T23082.D RRF20 = T23083.D RRF160 = T23081.D
RRF50 = T23080.D RRF80 = T23084.D RRF120 = T23085.D

COMPOUND	RRF10	RRF20	RRF50	RRF80	RRF120	RRF160	$\overline{RRF}$	% RSD
Pyridine	1.714	1.628	1.540	1.581	1.688	1.572	1.620	4.2
Aniline	1.903	1.731	1.752	1.740	1.898	1.738	1.794	4.6
Benzidine	0.659	0.606	0.645	0.642	0.679	0.618	0.642	4.1

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

6B

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: GPL_LABORATORIES Contract: TT_NUS

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Instrument ID: HP#T Calibration Date(s): 03/14/05 03/14/05

Calibration Times: 10:30 14:09

LAB FILE ID: RRF10 = T23148.D RRF20 = T23149.D RRF160 = T23147.D

RRF50 = T23146.D RRF80 = T23150.D RRF120 = T23151.D

COMPOUND		RRF10	RRF20	RRF50	RRF80	RRF120	RRF160	$\overline{RRF}$	% RSD
N-Nitrosodimethylamine		0.882	0.986	0.891	0.910	0.958	0.937	0.927	4.3
bis(2-Chloroethyl)ether		1.207	1.157	1.065	1.097	1.132	1.152	1.135	4.4
Phenol	*	1.472	1.429	1.398	1.433	1.481	1.524	1.456	3.1
2-Chlorophenol		1.194	1.196	1.115	1.141	1.163	1.153	1.160	2.7
1,3-Dichlorobenzene		1.501	1.424	1.342	1.280	1.309	1.249	1.351	7.0
1,4-Dichlorobenzene	*	1.416	1.394	1.299	1.219	1.262	1.215	1.301	6.7
1,2-Dichlorobenzene		1.310	1.300	1.215	1.164	1.169	1.137	1.216	6.0
Benzyl alcohol		0.618	0.612	0.624	0.653	0.676	0.684	0.645	4.9
2,2-oxybis(1-chloropropane)		3.362	3.283	2.915	2.982	3.037	2.918	3.083	6.3
2-Methylphenol		0.964	0.924	0.913	0.950	0.960	1.008	0.953	3.5
Hexachloroethane		0.542	0.523	0.499	0.495	0.503	0.505	0.511	3.5
N-Nitroso-di-n-propylamine	*	0.976	0.956	0.921	0.978	0.983	0.985	0.966	2.6
4-Methylphenol		1.134	1.185	1.098	1.139	1.181	1.133	1.145	2.9
Nitrobenzene		0.450	0.433	0.412	0.421	0.432	0.428	0.429	3.0
Isophorone		0.783	0.775	0.742	0.755	0.765	0.741	0.760	2.3
2-Nitrophenol	*	0.204	0.222	0.211	0.215	0.223	0.219	0.215	3.4
2,4-Dimethylphenol		0.354	0.352	0.324	0.319	0.322	0.311	0.330	5.5
Benzoic Acid			0.151	0.188	0.220	0.230	0.175	0.193	16.8
bis(2-Chloroethoxy)methane		0.464	0.442	0.410	0.416	0.428	0.420	0.430	4.7
2,4-Dichlorophenol	*	0.329	0.329	0.307	0.306	0.315	0.306	0.315	3.5
1,2,4-Trichlorobenzene		0.389	0.387	0.352	0.336	0.341	0.327	0.355	7.5
Naphthalene		0.948	0.899	0.830	0.795	0.806	0.753	0.839	8.6
4-Chloroaniline		0.343	0.386	0.363	0.379	0.376	0.364	0.368	4.1
Hexachlorobutadiene	*	0.230	0.219	0.206	0.205	0.213	0.210	0.214	4.3
4-Chloro-3-methylphenol	*	0.220	0.226	0.232	0.242	0.241	0.240	0.233	3.8
2-Methylnaphthalene		0.553	0.529	0.503	0.491	0.492	0.461	0.505	6.4
Hexachlorocyclopentadiene	*	0.309	0.369	0.393	0.419	0.464	0.455	0.402	14.4
2,4,6-Trichlorophenol	*	0.456	0.485	0.464	0.470	0.495	0.482	0.475	3.0
2,4,5-Trichlorophenol		0.477	0.532	0.495	0.527	0.547	0.504	0.514	5.1
2-Chloronaphthalene		1.277	1.266	1.140	1.104	1.168	1.088	1.174	6.9
2-Nitroaniline		0.487	0.503	0.493	0.496	0.522	0.503	0.501	2.4
Acenaphthylene		1.963	1.861	1.659	1.600	1.680	1.556	1.720	9.2
Dimethylphthalate		1.408	1.322	1.276	1.263	1.284	1.234	1.298	4.7
2,6-Dinitrotoluene		0.319	0.316	0.318	0.333	0.343	0.335	0.327	3.4
Acenaphthene	*	1.114	1.074	0.964	0.923	0.945	0.865	0.981	9.6
3-Nitroaniline		0.267	0.303	0.313	0.322	0.346	0.333	0.314	8.8
2,4-Dinitrophenol	*		0.114	0.171	0.205	0.221	0.216	0.185	24.0
Dibenzofuran		1.601	1.558	1.412	1.341	1.384	1.302	1.433	8.4
2,4-Dinitrotoluene		0.374	0.398	0.390	0.399	0.425	0.408	0.399	4.3

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: GPL_LABORATORIES Contract: TT_NUS

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Instrument ID: HP#T Calibration Date(s): 03/14/05 03/14/05

Calibration Times: 10:30 14:09

LAB FILE ID: RRF10 = T23148.D RRF20 = T23149.D RRF160 = T23147.D

RRF50 = T23146.D RRF80 = T23150.D RRF120 = T23151.D

COMPOUND	RRF10	RRF20	RRF50	RRF80	RRF120	RRF160	$\overline{RRF}$	% RSD
4-Nitrophenol *	0.061	0.095	0.108	0.119	0.132	0.127	0.107	24.6
Fluorene	1.103	1.058	1.004	0.948	0.980	0.915	1.001	7.0
4-Chlorophenyl-phenylether	0.536	0.544	0.524	0.514	0.523	0.508	0.525	2.6
Diethylphthalate	1.225	1.184	1.115	1.091	1.114	1.051	1.130	5.6
4-Nitroaniline	0.246	0.264	0.271	0.274	0.284	0.278	0.269	4.9
4,6-Dinitro-2-methylphenol	0.102	0.128	0.149	0.168	0.179	0.186	0.152	21.3
n-Nitrosodiphenylamine *	0.494	0.482	0.453	0.445	0.465	0.456	0.466	4.0
1,2-Diphenylhydrazine	0.944	0.927	0.822	0.831	0.841	0.832	0.866	6.3
4-Bromophenyl-phenylether	0.168	0.166	0.169	0.168	0.174	0.175	0.170	2.0
Hexachlorobenzene	0.224	0.217	0.216	0.209	0.220	0.216	0.217	2.3
Pentachlorophenol *	0.089	0.105	0.137	0.140	0.152	0.153	0.129	20.4
Phenanthrene	0.985	0.951	0.878	0.831	0.842	0.814	0.883	7.9
Anthracene	1.025	0.980	0.910	0.863	0.880	0.857	0.919	7.5
Carbazole	0.851	0.863	0.831	0.753	0.798	0.732	0.805	6.6
Di-n-butylphthalate	1.160	1.147	1.079	1.026	1.042	0.962	1.069	7.0
Fluoranthene *	1.003	0.992	0.928	0.856	0.900	0.808	0.914	8.3
Pyrene	1.497	1.457	1.265	1.165	1.257	1.236	1.313	10.1
Butylbenzylphthalate	0.691	0.681	0.642	0.646	0.667	0.658	0.664	2.9
3,3-Dichlorobenzidine	0.364	0.311	0.300	0.309	0.314	0.273	0.312	9.5
Benzo[a]anthracene	1.160	1.133	1.062	1.028	1.067	1.048	1.083	4.8
Chrysene	1.118	1.092	1.007	0.991	1.034	0.986	1.038	5.3
bis(2-Ethylhexyl)phthalate	0.789	0.827	0.826	0.807	0.848	0.797	0.815	2.7
Di-n-octylphthalate *	1.926	1.937	1.726	1.821	1.812	1.774	1.833	4.6
Benzo[b]fluoranthene	1.350	1.358	1.261	1.298	1.356	1.290	1.319	3.1
Benzo[k]fluoranthene	1.314	1.203	1.189	1.210	1.164	1.221	1.217	4.2
Benzo[a]pyrene *	1.203	1.172	1.126	1.126	1.161	1.161	1.158	2.5
Indeno[1,2,3-cd]pyrene	1.037	1.070	1.028	0.911	1.031	1.050	1.021	5.5
Dibenz[a,h]anthracene	0.791	0.881	0.826	0.747	0.855	0.864	0.827	6.1
Benzo[g,h,i]perylene	0.855	0.914	0.870	0.774	0.905	0.909	0.871	6.1
2-Fluorophenol	1.346	1.283	1.246	1.265	1.343	1.341	1.304	3.4
Phenol-d5	1.421	1.437	1.332	1.379	1.427	1.464	1.410	3.3
Nitrobenzene-d5	0.430	0.418	0.398	0.404	0.425	0.417	0.415	2.9
2-Fluorobiphenyl	1.540	1.435	1.325	1.256	1.337	1.246	1.356	8.3
2,4,6-Tribromophenol	0.159	0.180	0.181	0.187	0.198	0.190	0.182	7.2
Terphenyl-d14	0.806	0.787	0.722	0.700	0.735	0.738	0.748	5.4

(1) Cannot be separated from Diphenylamine

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

Surrogate Recovery Summary

Matrix : WATER **Analytical Method : SW8270C** **SDG No : 503077**

Surrogate	NO2BZD5	PH246BR	PH2F	PHD5	PHEN2F	PHEND14
Lower QC Limits	48	14	15	27	47	37
Upper QC Limits	120	166	105	119	129	149
Sample ID						
BKS74525	87	97	81	93	88	88
BLK74525	96	89	87	93	90	95
SW-1-031705	73	88	60	70	69	69
SW-2-031705	80	87	64	75	71	74
SW-3-031705	76	66	52	68	70	89
SW-3-031705MS	90	99	74	90	85	83
SW-3-031705MSD	84	91	67	82	79	87
SW-6-031705	84	88	64	79	77	68
SW-7-031705	72	92	60	75	67	80

* Value outside of QC Limts

NO2BZD5 = Nitrobenzene-d5 **PH246BR = 2,4,6-Tribromophenol** **PH2F = 2-Fluorophenol** **PHD5 = Phenol-d5** **PHEN2F = 2-Fluorobiphenyl** **PHEND14 = p-Terphenyl-d14**

Surrogate Recovery Summary

Matrix : WATER **Analytical Method : SW8270C** **SDG No : 503077**

Surrogate	NO2BZD5	PH246BR	PH2F	PHD5	PHEN2F	PHEND14
Lower QC Limits	48	14	15	27	47	37
Upper QC Limits	120	166	105	119	129	149
Sample ID						
SW-4-031705	86	88	73	83	80	85
SW-5-031705	80	78	61	73	76	86

* Value outside of QC Limts

NO2BZD5 = Nitrobenzene-d5 PH246BR = 2,4,6-Tribromophenol PH2F = 2-Fluorophenol PHD5 = Phenol-d5 PHEN2F = 2-Fluorobiphenyl PHEND14 = p-Terphenyl-d14

Surrogate Recovery Summary

Matrix : SOIL **Analytical Method : SW8270C** **SDG No : 503077**

Surrogate	NO2BZD5	PH246BR	PH2F	PHD5	PHEN2F	PHEND14
Lower QC Limits	29	31	20	25	31	26
Upper QC Limits	117	137	106	121	125	160
Sample ID						
BKS74588	83	90	76	86	80	82
BLK74588	85	71	77	80	81	89
SD-04-031705	61	76	53	61	72	86
SD-1-031705	65	74	50	61	70	79
SD-3-031705	60	74	52	60	69	83

085

* Value outside of QC Limts

NO2BZD5 = Nitrobenzene-d5 PH246BR = 2,4,6-Tribromophenol PH2F = 2-Fluorophenol PHD5 = Phenol-d5 PHEN2F = 2-Fluorobiphenyl PHEND14 = p-Terphenyl-d14

GPL
Form 5

SEMI-VOLATILE INSTRUMENT PERFORMANCE CHECK DECAFLUOROTRIPHENYLPHOSPHINE(DFTPP)

Lab Name: GPL LABORATORIES Contract : Tetra Tech NUS

Lab Code: GPL Case No: N/A SAS No:N/A SDG No : 503077

Lab File ID: T23287.D DFTPP Injection Date : 03/25/2005 DFTPP Injection Time : 10:13

GC Column: _ ID: DB-5

m/e	ION ABUNDANCE CRITERIA	%Relative Abundance	
51	30.0 - 60.0% of mass 198	41.8	
68	Less than 2.0% of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	54.2	
70	Less than 2.0% of mass-69	0.2	(0.4)1
127	40.0 - 60.0% of mass 198	46.8	
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	7.8	
275	10.0 - 30.0% of mass 198	24.0	
365	Greater than 1.0% of mass 198	1.8	
441	Present, but less than mass 443	6.4	
442	40.0 - 110.0% of mass 198	44.2	
443	17.0 - 23.0% of mass 442	8.4	(19.0)2

1-Value is % mass 69

2-Value is % mass 442

	Client Sample	Lab Sample NO	Lab File ID	Date Analyze	Time Analyzed
1	SSTD050	SSTD050	T23288.D	03/25/2005	10:35
2	SSTD050 DEVANS	SSTD050 DEVANS	T23289.D	03/25/2005	11:16
3	BLK74525	BLK74525	T23293.D	03/25/2005	13:57
4	BKS74525	BKS74525	T23294.D	03/25/2005	14:39
5	SW-3-031705	503077-014-072-1/6	T23298.D	03/25/2005	17:25
6	SW-3-031705MS	503077-014-072-1/6MS	T23299.D	03/25/2005	18:07
7	SW-3-031705MSD	503077-014-072-1/6MSD	T23300.D	03/25/2005	18:48
8	SW-1-031705	503077-002-030-1/2	T23301.D	03/25/2005	19:30
9	SW-2-031705	503077-004-032-1/2	T23302.D	03/25/2005	20:12
10	SW-7-031705	503077-006-034-1/2	T23303.D	03/25/2005	20:55
11	SW-6-031705	503077-008-036-1/2	T23304.D	03/25/2005	21:36

7B
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: GPL_LABORATORIES Contract: TT_NUS

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Instrument ID: HP#T Calibration Date: 03/25/05 Time: 10:35

Lab File ID: T23288.D Init. Calib. Date(s): 03/14/05 03/14/05

Init. Calib. Times: 10:30 14:09

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	% D	MAX % D
N-Nitrosodimethylamine	0.927	0.895		3.5	
bis(2-Chloroethyl)ether	1.135	1.095		3.5	
Phenol	1.456	1.427	0.050	2.0	20.0
2-Chlorophenol	1.160	1.251		-7.8	
1,3-Dichlorobenzene	1.351	1.499		-11.0	
1,4-Dichlorobenzene	1.301	1.435	0.050	-10.3	20.0
1,2-Dichlorobenzene	1.216	1.386		-14.0	
Benzyl alcohol	0.645	0.703		-9.0	
2,2-oxybis(1-chloropropane)	3.083	2.692		12.7	
2-Methylphenol	0.953	0.991		-4.0	
Hexachloroethane	0.511	0.557		-9.0	
N-Nitroso-di-n-propylamine	0.966	0.930	0.050	3.8	
4-Methylphenol	1.145	1.245		-8.7	
Nitrobenzene	0.429	0.397		7.4	
Isophorone	0.760	0.737		3.1	
2-Nitrophenol	0.215	0.251	0.050	-16.3	20.0
2,4-Dimethylphenol	0.330	0.344		-4.3	
Benzoic Acid	0.193	0.205		-6.2	
bis(2-Chloroethoxy)methane	0.430	0.423		1.6	
2,4-Dichlorophenol	0.315	0.364	0.050	-15.4	20.0
1,2,4-Trichlorobenzene	0.355	0.395		-11.1	
Naphthalene	0.839	0.940		-12.0	
4-Chloroaniline	0.368	0.427		-15.9	
Hexachlorobutadiene	0.214	0.233	0.050	-8.8	20.0
4-Chloro-3-methylphenol	0.233	0.262	0.050	-12.0	20.0
2-Methylnaphthalene	0.505	0.586		-16.1	
Hexachlorocyclopentadiene	0.402	0.494	0.050	-23.0	
2,4,6-Trichlorophenol	0.475	0.508	0.050	-6.8	20.0
2,4,5-Trichlorophenol	0.514	0.552		-7.5	
2-Chloronaphthalene	1.174	1.271		-8.3	
2-Nitroaniline	0.501	0.482		3.7	
Acenaphthylene	1.720	1.897		-10.3	
Dimethylphthalate	1.298	1.388		-7.0	
2,6-Dinitrotoluene	0.327	0.371		-13.5	
Acenaphthene	0.981	1.069	0.050	-9.0	20.0
3-Nitroaniline	0.314	0.377		-20.0	
2,4-Dinitrophenol	0.185	0.215	0.050	-15.8	
Dibenzofuran	1.433	1.536		-7.2	
2,4-Dinitrotoluene	0.399	0.452		-13.3	

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: GPL_LABORATORIES Contract: TT_NUS

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Instrument ID: HP#T Calibration Date: 03/25/05 Time: 10:35

Lab File ID: T23288.D Init. Calib. Date(s): 03/14/05 03/14/05

Init. Calib. Times: 10:30 14:09

COMPOUND	RRF	RRF50	MIN RRF	% D	MAX % D
4-Nitrophenol	0.107	0.131	0.050	-22.4	
Fluorene	1.001	1.094		-9.3	
4-Chlorophenyl-phenylether	0.525	0.563		-7.2	
Diethylphthalate	1.130	1.235		-9.3	
4-Nitroaniline	0.269	0.334		-24.0	
4,6-Dinitro-2-methylphenol	0.152	0.185		-22.1	
n-Nitrosodiphenylamine	0.466	0.519	0.050	-11.4	20.0
1,2-Diphenylhydrazine	0.866	0.898		-3.7	
4-Bromophenyl-phenylether	0.170	0.182		-7.4	
Hexachlorobenzene	0.217	0.236		-8.8	
Pentachlorophenol	0.129	0.158	0.050	-22.6	20.0
Phenanthrene	0.883	0.981		-11.0	
Anthracene	0.919	1.035		-12.6	
Carbazole	0.805	0.946		-17.5	
Di-n-butylphthalate	1.069	1.257		-17.5	
Fluoranthene	0.914	1.066	0.050	-16.6	20.0
Pyrene	1.313	1.250		4.7	
Butylbenzylphthalate	0.664	0.763		-14.8	
3,3-Dichlorobenzidine	0.312	0.379		-21.6	
Benzo[a]anthracene	1.083	1.153		-6.4	
Chrysene	1.038	1.106		-6.6	
bis(2-Ethylhexyl)phthalate	0.815	1.020		-25.1	
Di-n-octylphthalate	1.833	1.965	0.050	-7.2	20.0
Benzo[b]fluoranthene	1.319	1.242		5.9	
Benzo[k]fluoranthene	1.217	1.249		-2.7	
Benzo[a]pyrene	1.158	1.203	0.050	-3.9	20.0
Indeno[1,2,3-cd]pyrene	1.021	1.262		-23.6	
Dibenz[a,h]anthracene	0.827	1.049		-26.8	
Benzo[g,h,i]perylene	0.871	1.126		-29.3	
2-Fluorophenol	1.304	1.319		-1.1	
Phenol-d5	1.410	1.413		-0.2	
Nitrobenzene-d5	0.415	0.404		2.6	
2-Fluorobiphenyl	1.356	1.449		-6.8	
2,4,6-Tribromophenol	0.182	0.204		-11.9	
Terphenyl-d14	0.748	0.744		0.6	

(1) Cannot be separated from Diphenylamine

All other compounds must meet a minimum RRF of 0.010.

7B

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: GPL_LABORATORIES Contract: TT_NUS

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Instrument ID: HP#T Calibration Date: 03/25/05 Time: 11:16

Lab File ID: T23289.D Init. Calib. Date(s): 03/10/05 03/10/05

Init. Calib. Times: 16:26 19:36

COMPOUND	RRF	RRF50	MIN RRF	% D	MAX % D
Pyridine	1.620	1.274		21.4	
Aniline	1.794	1.602		10.7	
Benzidine	0.642	0.560		12.7	

All other compounds must meet a minimum RRF of 0.010.

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
BLK74525

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code	GPL	SAS NO. :	
Case No.		SDG NO :	503077
Matrix : (Soil / Water)	WATER	Lab Sample ID :	BLK74525
Sample Volume :	1000	Lab File ID :	T23293.D
% Moisture:		Date Received	
Extraction:	SW3520C	Date Extracte	03/22/2005
Extract Volume	1 mL	Date Analyzed	03/25/2005
Injection Volume :	1 µL	Dilution Factor	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
120-82-1	1,2,4-Trichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
122-66-7	1,2-Diphenylhydrazine	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
108-60-1	2,2-Oxybis(1-Chloropropane)	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
120-83-2	2,4-Dichlorophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
51-28-5	2,4-Dinitrophenol	20	U
121-14-2	2,4-Dinitrotoluene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
91-58-7	2-Chloronaphthalene	10	U
95-57-8	2-Chlorophenol	10	U
91-57-6	2-Methylnaphthalene	10	U
88-74-4	2-Nitroaniline	10	U
88-75-5	2-Nitrophenol	10	U
95-48-7	2-methylphenol	10	U
91-94-1	3,3-Dichlorobenzidine	20	U
99-09-2	3-Nitroaniline	10	U
534-52-1	4,6-dinitro-2-methyl phenol	20	U
101-55-3	4-Bromophenyl-phenylether	10	U
106-47-8	4-Chloroaniline	10	U
7005-72-3	4-Chlorophenyl Phenyl Ether	10	U
100-01-6	4-Nitroaniline	10	U
100-02-7	4-Nitrophenol	20	U
59-50-7	4-chloro-3-methylphenol	10	U
106-44-5	4-methylphenol	10	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
BLK74525

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code	GPL	SAS NO. :	
Case No.		SDG NO :	503077
Matrix : (Soil / Water)	WATER	Lab Sample ID :	BLK74525
Sample Volume :	1000	Lab File ID :	T23293.D
% Moisture:		Date Received	
Extraction:	SW3520C	Date Extracte	03/22/2005
Extract Volume	1 mL	Date Analyzed	03/25/2005
Injection Volume :	1 µL	Dilution Factor	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
83-32-9	Acenaphthene	10	U
208-96-8	Acenaphthylene	10	U
62-53-3	Aniline (Phenylamine, Aminobenzene)	10	U
120-12-7	Anthracene	10	U
92-87-5	Benzidine	10	U
56-55-3	Benzo(a)anthracene	10	U
50-32-8	Benzo(a)pyrene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
65-85-0	Benzoic Acid	20	U
100-51-6	Benzyl Alcohol	10	U
85-68-7	Benzyl Butyl Phthalate	10	U
86-74-8	Carbazole	10	U
218-01-9	Chrysene	10	U
53-70-3	Dibenz(a,h)Anthracene	10	U
132-64-9	Dibenzofuran	10	U
84-66-2	Diethyl Phthalate	10	U
131-11-3	Dimethyl Phthalate	10	U
206-44-0	Fluoranthene	10	U
86-73-7	Fluorene	10	U
118-74-1	Hexachlorobenzene	10	U
87-68-3	Hexachlorobutadiene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
67-72-1	Hexachloroethane	10	U
193-39-5	Indeno(1,2,3-c,d)Pyrene	10	U
78-59-1	Isophorone	10	U
91-20-3	Naphthalene	10	U
98-95-3	Nitrobenzene	10	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
BLK74525

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code	GPL	SAS NO. :	
Case No.		SDG NO :	503077
Matrix : (Soil / Water)	WATER	Lab Sample ID :	BLK74525
Sample Volume :	1000	Lab File ID :	T23293.D
% Moisture:		Date Received	
Extraction:	SW3520C	Date Extracte	03/22/2005
Extract Volume	1 mL	Date Analyzed	03/25/2005
Injection Volume :	1 µL	Dilution Factor	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	10	U
108-95-2	Phenol	10	U
129-00-0	Pyrene	10	U
110-86-1	Pyridine	10	U
111-91-1	bis(2-chloroethoxy) methane	10	U
111-44-4	bis(2-chloroethyl) ether	10	U
117-81-7	bis(2-ethylhexyl) phthalate	10	U
84-74-2	di-n-Butyl Phthalate	10	U
117-84-0	di-n-Octyl Phthalate	10	U
621-64-7	n-Nitrosodi-n-Propylamine	10	U
62-75-9	n-Nitrosodimethylamine	10	U
86-30-6	n-Nitrosodiphenylamine	10	U

GPL Laboratories

LCS SUMMARY

SAMPLE NO
BKS74525

Lab Name : GPL Laboratories
Lab Code GPL
Matrix : WATER
Method : SW8270C

Contract. Middle River
SDG NO : 503077
Lab Sample ID : BKS74525
Analysis Date : 03/25/2005

COMPOUND	SPIKE ADDED (ug/L)	BLANK CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMTS
1,2,4-Trichlorobenzene	100	0	92	92	63-135
1,4-Dichlorobenzene	100	0	94	94	67-123
2,4-Dinitrotoluene	100	0	97	97	65-145
2-Chlorophenol	100	0	90	90	40-118
4-Nitrophenol	100	0	120	120	31-143
4-chloro-3-methylphenol	100	0	100	100	58-116
Acenaphthene	100	0	87	87	64-132
Pentachlorophenol	100	0	120	120	28-134
Phenol	100	0	95	95	48-116
Pyrene	100	0	81	81	42-144
n-Nitrosodi-n-Propylamine	100	0	91	91	66-134

* Values Outside of QC Limits.

GPL Laboratories

MS/MSD RECOVERY

SAMPLE NO
SW-3-031705MSD

Lab Name : GPL Laboratories SDG NO : 503077 Method : SW8270C

Lab Code GPL Lab Sample ID : 503077-014-072-1/6MSD Matrix : WATER Analysis Date : 03/25/2005

Compound	Spike Added (ug/L)		CONCENTRATION (ug/L)			%RECOVERY		% RPD	RPD Limit	QC Limits
	MS	MSD	Sample	MS	MSD	MS	MSD			
1,2,4-Trichlorobenzene	100	100	0	84	77	84	77	9	28	56-106
1,4-Dichlorobenzene	100	100	0	80	73	80	73	9	28	45-113
2,4-Dinitrotoluene	100	100	0	100	94	100	94	6	38	62-150
2-Chlorophenol	100	100	0	90	81	90	81	11	40	16-130
4-Nitrophenol	100	100	0	110	100	110	100	10	50	10-146
4-chloro-3-methylphenol	100	100	0	100	100	100	100	0	42	43-135
Acenaphthene	100	100	0	86	81	86	81	6	31	61-135
Pentachlorophenol	100	100	0	100	92	100	92	8	50	10-150
Phenol	100	100	0	96	86	96	86	11	42	25-123
Pyrene	100	100	0	78	79	78	79	1	31	54-148
n-Nitrosodi-n-Propylamine	100	100	0	88	81	88	81	8	38	56-134

086

Column to be used to flag recovery and RPD Values with an aster

* Values Outside of QC Limits.

RPD 0 Out of 11 Outside Limit
Spike Recovery : 0 Out of 22 outside limit

GPL
Form 8 1 of 2

SEMI-VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: GPL LABORATORIES Contract : Tetra Tech NUS

Lab Code: GPL Case No: N/A SAS No:N/A SDG No : 503077

Lab File ID: T23288.D Date Analyzed: 03/25/2005 Time Analyzed: 10:35

	ACNPD10		CHRYSENED12		DCBZ14D4	
	Area #	RT #	Area #	RT #	Area #	RT #
12 HOUR STD	512027	16.31	686875	22.60	389097	10.54
UPPER LIMIT	1024054	16.81	1373750	23.10	778194	11.04
LOWER LIMIT	256014	15.81	343438	22.10	194549	10.04
Client Sample						
BKS74525	438095	16.32	515939	22.61	337576	10.55
BLK74525	460735	16.31	526592	22.60	355441	10.54
SW-1-031705	530919	16.31	701431	22.60	402661	10.55
SW-2-031705	636544	16.32	707811	22.61	502533	10.54
SW-3-031705	525552	16.31	525789	22.60	409977	10.54
SW-3-031705MS	497414	16.32	640219	22.61	391820	10.55
SW-3-031705MSD	503746	16.31	579424	22.61	401242	10.55
SW-6-031705	513258	16.31	651728	22.60	400365	10.54
SW-7-031705	553032	16.32	675232	22.60	439150	10.54

ACNPD10 = acenaphthene-d1
CHRYSENED12 = Chrysene-d1
DCBZ14D4 = 1,4-Dichlorobenzene-d
NAPHD8 = Naphthalene-d
PERYD12 = Perylene-d1
PHAND10 = phenanthrene-d1

AREA UPPER LIMIT = +100% of internal standard are
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +.50 minutes of internal standard RT
RT LOWER LIMIT = -.50 minutes of internal standard RT
Column to be used to flag values outside QC limit with an asteris
* Values outside of contract required QC limits

GPL
Form 8 2 of 2
SEMI-VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: GPL LABORATORIES Contract : Tetra Tech NUS

Lab Code: GPL Case No: N/A SAS No:N/A SDG No : 503077

Lab File ID: T23288.D Date Analyzed: 03/25/2005 Time Analyzed: 10:35

	NAPHD8		PERYD12		PHAND10	
	Area #	RT #	Area #	RT #	Area #	RT #
12 HOUR STD	1139479	12.93	611583	25.60	774965	19.09
UPPER LIMIT	2278958	13.43	1223166	26.10	1549930	19.59
LOWER LIMIT	569740	12.43	305792	25.10	387483	18.59
Client Sample						
BKS74525	984721	12.95	456111	25.61	628397	19.09
BLK74525	1035972	12.94	425230	25.60	678131	19.08
SW-1-031705	1176457	12.94	604666	25.60	793614	19.09
SW-2-031705	1403698	12.93	558197	25.59	876400	19.09
SW-3-031705	1176146	12.94	409899	25.60	707934	19.08
SW-3-031705MS	1142092	12.94	561967	25.61	732221	19.09
SW-3-031705MSD	1140334	12.94	499970	25.60	720066	19.08
SW-6-031705	1143068	12.94	562001	25.60	737367	19.08
SW-7-031705	1254831	12.93	576182	25.59	800525	19.09

ACNPD10 = acenaphthene-d1
CHRYSENED12 = Chrysene-d1
DCBZ14D4 = 1,4-Dichlorobenzene-d
NAPHD8 = Naphthalene-d
PERYD12 = Perylene-d1
PHAND10 = phenanthrene-d1

AREA UPPER LIMIT = +100% of internal standard are
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +.50 minutes of internal standard RT
RT LOWER LIMIT = -.50 minutes of internal standard RT
Column to be used to flag values outside QC limit with an asteris
* Values outside of contract required QC limits

GPL
Form 5

SEMI-VOLATILE INSTRUMENT PERFORMANCE CHECK DECAFLUOROTRIPHENYLPHOSPHINE(DFTPP)

Lab Name: GPL LABORATORIES Contract : Tetra Tech NUS

Lab Code: GPL Case No: N/A SAS No:N/A SDG No : 503077

Lab File ID: T23311.D DFTPP Injection Date : 03/28/2005 DFTPP Injection Time : 10:17

GC Column: _ ID: DB-5

m/e	ION ABUNDANCE CRITERIA	%Relative Abundance	
51	30.0 - 60.0% of mass 198	42.7	
68	Less than 2.0% of mass 69	0.2	(0.3)1
69	Mass 69 relative abundance	55.1	
70	Less than 2.0% of mass-69	0.3	(0.6)1
127	40.0 - 60.0% of mass 198	48.4	
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	24.6	
365	Greater than 1.0% of mass 198	1.9	
441	Present, but less than mass 443	8.7	
442	40.0 - 110.0% of mass 198	60.9	
443	17.0 - 23.0% of mass 442	12.5	(20.5)2

1-Value is % mass 69

2-Value is % mass 442

	Client Sample	Lab Sample NO	Lab File ID	Date Analyze	Time Analyzed
1	SSTD050	SSTD050	T23312.D	03/28/2005	10:38
2	SSTD050 DEVANS	SSTD050 DEVANS	T23313.D	03/28/2005	11:23
3	SW-5-031705	503077-010-038-1/2	T23314.D	03/28/2005	11:59
4	SW-4-031705	503077-012-040-1/2	T23315.D	03/28/2005	12:41

7B
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: GPL_LABORATORIES Contract: TT_NUS

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Instrument ID: HP#T Calibration Date: 03/28/05 Time: 10:38

Lab File ID: T23312.D Init. Calib. Date(s): 03/14/05 03/14/05

Init. Calib. Times: 10:30 14:09

COMPOUND	RRF	RRFCC	MIN RRF	% D	MAX % D
N-Nitrosodimethylamine	0.927	0.872		6.0	
bis(2-Chloroethyl)ether	1.135	1.109		2.3	
Phenol	1.456	1.442	0.050	1.0	20.0
2-Chlorophenol	1.160	1.219		-5.1	
1,3-Dichlorobenzene	1.351	1.514		-12.1	
1,4-Dichlorobenzene	1.301	1.448	0.050	-11.3	20.0
1,2-Dichlorobenzene	1.216	1.370		-12.7	
Benzyl alcohol	0.645	0.683		-5.9	
2,2-oxybis(1-chloropropane)	3.083	2.777		9.9	
2-Methylphenol	0.953	1.000		-4.9	
Hexachloroethane	0.511	0.549		-7.4	
N-Nitroso-di-n-propylamine	0.966	0.984	0.050	-1.8	
4-Methylphenol	1.145	1.251		-9.3	
Nitrobenzene	0.429	0.427		0.5	
Isophorone	0.760	0.779		-2.5	
2-Nitrophenol	0.215	0.245	0.050	-13.7	20.0
2,4-Dimethylphenol	0.330	0.356		-7.7	
Benzoic Acid	0.193	0.184		4.6	
bis(2-Chloroethoxy)methane	0.430	0.438		-1.9	
2,4-Dichlorophenol	0.315	0.365	0.050	-15.8	20.0
1,2,4-Trichlorobenzene	0.355	0.401		-12.8	
Naphthalene	0.839	0.947		-12.9	
4-Chloroaniline	0.368	0.413		-12.0	
Hexachlorobutadiene	0.214	0.235	0.050	-9.6	20.0
4-Chloro-3-methylphenol	0.233	0.262	0.050	-12.3	20.0
2-Methylnaphthalene	0.505	0.586		-16.1	
Hexachlorocyclopentadiene	0.402	0.393	0.050	2.1	
2,4,6-Trichlorophenol	0.475	0.490	0.050	-3.0	20.0
2,4,5-Trichlorophenol	0.514	0.524		-2.0	
2-Chloronaphthalene	1.174	1.255		-7.0	
2-Nitroaniline	0.501	0.482		3.8	
Acenaphthylene	1.720	1.855		-7.9	
Dimethylphthalate	1.298	1.377		-6.1	
2,6-Dinitrotoluene	0.327	0.363		-11.0	
Acenaphthene	0.981	1.034	0.050	-5.4	20.0
3-Nitroaniline	0.314	0.352		-12.0	
2,4-Dinitrophenol	0.185	0.146	0.050	21.1	
Dibenzofuran	1.433	1.527		-6.6	
2,4-Dinitrotoluene	0.399	0.429		-7.6	

All other compounds must meet a minimum RRF of 0.010.

7C
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: GPL_LABORATORIES Contract: TT_NUS

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Instrument ID: HP#T Calibration Date: 03/28/05 Time: 10:38

Lab File ID: T23312.D Init. Calib. Date(s): 03/14/05 03/14/05

Init. Calib. Times: 10:30 14:09

COMPOUND	RRF	RRFCC	MIN RRF	% D	MAX % D
4-Nitrophenol	0.107	0.096	0.050	10.1	
Fluorene	1.001	1.074		-7.2	
4-Chlorophenyl-phenylether	0.525	0.547		-4.1	
Diethylphthalate	1.130	1.203		-6.4	
4-Nitroaniline	0.269	0.287		-6.7	
4,6-Dinitro-2-methylphenol	0.152	0.161		-6.0	
n-Nitrosodiphenylamine	0.466	0.548	0.050	-17.6	20.0
1,2-Diphenylhydrazine	0.866	0.939		-8.3	
4-Bromophenyl-phenylether	0.170	0.181		-6.8	
Hexachlorobenzene	0.217	0.236		-8.6	
Pentachlorophenol	0.129	0.127	0.050	1.6	20.0
Phenanthrene	0.883	1.008		-14.1	
Anthracene	0.919	1.058		-15.1	
Carbazole	0.805	0.961		-19.4	
Di-n-butylphthalate	1.069	1.283		-20.0	
Fluoranthene	0.914	1.056	0.050	-15.5	20.0
Pyrene	1.313	1.348		-2.7	
Butylbenzylphthalate	0.664	0.788		-18.6	
3,3-Dichlorobenzidine	0.312	0.387		-24.0	
Benzo[a]anthracene	1.083	1.203		-11.1	
Chrysene	1.038	1.097		-5.7	
bis(2-Ethylhexyl)phthalate	0.815	1.034		-26.9	
Di-n-octylphthalate	1.833	1.989	0.050	-8.5	20.0
Benzo[b]fluoranthene	1.319	1.287		2.4	
Benzo[k]fluoranthene	1.217	1.227		-0.8	
Benzo[a]pyrene	1.158	1.201	0.050	-3.7	20.0
Indeno[1,2,3-cd]pyrene	1.021	1.161		-13.7	
Dibenz[a,h]anthracene	0.827	0.949		-14.7	
Benzo[g,h,i]perylene	0.871	0.994		-14.1	
2-Fluorophenol	1.304	1.291		1.0	
Phenol-d5	1.410	1.406		0.3	
Nitrobenzene-d5	0.415	0.423		-2.0	
2-Fluorobiphenyl	1.356	1.456		-7.3	
2,4,6-Tribromophenol	0.182	0.182		0.1	
Terphenyl-d14	0.748	0.761		-1.7	

(1) Cannot be separated from Diphenylamine

All other compounds must meet a minimum RRF of 0.010.

7B
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: GPL_LABORATORIES Contract: TT_NUS

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Instrument ID: HP#T Calibration Date: 03/28/05 Time: 11:23

Lab File ID: T23313.D Init. Calib. Date(s): 03/10/05 03/10/05

Init. Calib. Times: 16:26 19:36

COMPOUND	RRF	RRF50	MIN RRF	% D	MAX % D
Pyridine	1.620	1.255		22.5	
Aniline	1.794	1.568		12.6	
Benzidine	0.642	0.618		3.6	

All other compounds must meet a minimum RRF of 0.010.

GPL

Form 8 1 of 2

SEMI-VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: GPL LABORATORIES Contract : Tetra Tech NUS

Lab Code: GPL Case No: N/A SAS No:N/A SDG No : 503077

Lab File ID: T23312.D Date Analyzed: 03/28/2005 Time Analyzed: 10:38

	ACNPD10		CHRYSENED12		DCBZ14D4	
	Area #	RT #	Area #	RT #	Area #	RT #
12 HOUR STD	475534	16.33	551677	22.62	371316	10.56
UPPER LIMIT	951068	16.83	1103354	23.12	742632	11.06
LOWER LIMIT	237767	15.83	275839	22.12	185658	10.06
Client Sample						
SW-4-031705	460111	16.33	563747	22.61	353996	10.56
SW-5-031705	458565	16.33	516792	22.61	366189	10.56

ACNPD10 = acenaphthene-d1
CHRYSENED12 = Chrysene-d1
DCBZ14D4 = 1,4-Dichlorobenzene-d
NAPHD8 = Naphthalene-d
PERYD12 = Perylene-d1
PHAND10 = phenanthrene-d1

AREA UPPER LIMIT = +100% of internal standard are
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +.50 minutes of internal standard RT
RT LOWER LIMIT = -.50 minutes of internal standard RT
Column to be used to flag values outside QC limit with an asteris
* Values outside of contract required QC limits

GPL
Form 8 2 of 2

SEMI-VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: GPL LABORATORIES Contract : Tetra Tech NUS

Lab Code: GPL Case No: N/A SAS No:N/A SDG No : 503077

Lab File ID: T23312.D Date Analyzed: 03/28/2005 Time Analyzed: 10:38

	NAPHD8		PERYD12		PHAND10	
	Area #	RT #	Area #	RT #	Area #	RT #
12 HOUR STD	1058468	12.95	487633	25.62	675713	19.10
UPPER LIMIT	2116936	13.45	975266	26.12	1351426	19.60
LOWER LIMIT	529234	12.45	243817	25.12	337857	18.60
Client Sample						
SW-4-031705	1031129	12.95	463455	25.62	676991	19.11
SW-5-031705	1034404	12.96	416991	25.62	657575	19.10

ACNPD10 = acenaphthene-d1
CHRYSENED12 = Chrysene-d1
DCBZ14D4 = 1,4-Dichlorobenzene-d
NAPHD8 = Naphthalene-d
PERYD12 = Perylene-d1
PHAND10 = phenanthrene-d1

AREA UPPER LIMIT = +100% of internal standard are
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +.50 minutes of internal standard RT
RT LOWER LIMIT = -.50 minutes of internal standard RT
Column to be used to flag values outside QC limit with an asteris
* Values outside of contract required QC limits

GPL
Form 5

SEMI-VOLATILE INSTRUMENT PERFORMANCE CHECK DECAFLUOROTRIPHENYLPHOSPHINE(DFTPP)

Lab Name: GPL LABORATORIES Contract : Tetra Tech NUS

Lab Code: GPL Case No: N/A SAS No:N/A SDG No : 503077

Lab File ID: T23327.D DFTPP Injection Date : 03/29/2005 DFTPP Injection Time : 10:10

GC Column: _ ID: DB-5

m/e	ION ABUNDANCE CRITERIA	%Relative Abundance	
51	30.0 - 60.0% of mass 198	39.9	
68	Less than 2.0% of mass 69	1.0	(1.9)1
69	Mass 69 relative abundance	51.5	
70	Less than 2.0% of mass-69	0.3	(0.5)1
127	40.0 - 60.0% of mass 198	45.5	
197	Less than 1.0% of mass 198	0.0	
198	Base Peak, 100% relative abundance	100.0	
199	5.0 to 9.0% of mass 198	7.8	
275	10.0 - 30.0% of mass 198	26.2	
365	Greater than 1.0% of mass 198	2.3	
441	Present, but less than mass 443	9.5	
442	40.0 - 110.0% of mass 198	66.7	
443	17.0 - 23.0% of mass 442	13.5	(20.3)2

1-Value is % mass 69

2-Value is % mass 442

	Client Sample	Lab Sample NO	Lab File ID	Date Analyze	Time Analyzed
1	SSTD050	SSTD050	T23328.D	03/29/2005	10:32
2	SSTD050 DEVANS	SSTD050 DEVANS	T23329.D	03/29/2005	11:14
3	BLK74588	BLK74588	T23330.D	03/29/2005	11:51
4	BKS74588	BKS74588	T23331.D	03/29/2005	12:32
5	SD-1-031705	503077-016-095-1/1	T23341.D	03/29/2005	19:23
6	SD-3-031705	503077-017-096-1/1	T23342.D	03/29/2005	20:04
7	SD-04-031705	503077-018-097-1/1	T23343.D	03/29/2005	20:45

7B

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: GPL_LABORATORIES Contract: TT_NUS

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Instrument ID: HP#T Calibration Date: 03/29/05 Time: 10:32

Lab File ID: T23328.D Init. Calib. Date(s): 03/14/05 03/14/05

Init. Calib. Times: 10:30 14:09

COMPOUND	RRF	RRFCC	MIN RRF	% D	MAX % D
N-Nitrosodimethylamine	0.927	0.877		5.4	
bis(2-Chloroethyl)ether	1.135	1.146		-1.0	
Phenol	1.456	1.418	0.050	2.6	20.0
2-Chlorophenol	1.160	1.251		-7.8	
1,3-Dichlorobenzene	1.351	1.528		-13.1	
1,4-Dichlorobenzene	1.301	1.467	0.050	-12.8	20.0
1,2-Dichlorobenzene	1.216	1.406		-15.6	
Benzyl alcohol	0.645	0.674		-4.6	
2,2-oxybis(1-chloropropane)	3.083	2.840		7.9	
2-Methylphenol	0.953	0.988		-3.7	
Hexachloroethane	0.511	0.548		-7.1	
N-Nitroso-di-n-propylamine	0.966	0.980	0.050	-1.4	
4-Methylphenol	1.145	1.246		-8.8	
Nitrobenzene	0.429	0.419		2.5	
Isophorone	0.760	0.771		-1.5	
2-Nitrophenol	0.215	0.244	0.050	-13.4	20.0
2,4-Dimethylphenol	0.330	0.356		-7.8	
Benzoic Acid	0.193	0.188		2.3	
bis(2-Chloroethoxy)methane	0.430	0.442		-2.8	
2,4-Dichlorophenol	0.315	0.363	0.050	-15.0	20.0
1,2,4-Trichlorobenzene	0.355	0.401		-12.8	
Naphthalene	0.839	0.951		-13.3	
4-Chloroaniline	0.368	0.399		-8.2	
Hexachlorobutadiene	0.214	0.229	0.050	-6.8	20.0
4-Chloro-3-methylphenol	0.233	0.264	0.050	-13.1	20.0
2-Methylnaphthalene	0.505	0.595		-17.9	
Hexachlorocyclopentadiene	0.402	0.319	0.050	20.5	
2,4,6-Trichlorophenol	0.475	0.480	0.050	-1.0	20.0
2,4,5-Trichlorophenol	0.514	0.524		-2.0	
2-Chloronaphthalene	1.174	1.258		-7.1	
2-Nitroaniline	0.501	0.483		3.6	
Acenaphthylene	1.720	1.857		-8.0	
Dimethylphthalate	1.298	1.369		-5.5	
2,6-Dinitrotoluene	0.327	0.357		-9.2	
Acenaphthene	0.981	1.053	0.050	-7.4	20.0
3-Nitroaniline	0.314	0.348		-10.9	
2,4-Dinitrophenol	0.185	0.130	0.050	29.9	
Dibenzofuran	1.433	1.509		-5.3	
2,4-Dinitrotoluene	0.399	0.430		-7.8	

All other compounds must meet a minimum RRF of 0.010.

7C
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: GPL_LABORATORIES Contract: TT_NUS

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Instrument ID: HP#T Calibration Date: 03/29/05 Time: 10:32

Lab File ID: T23328.D Init. Calib. Date(s): 03/14/05 03/14/05

Init. Calib. Times: 10:30 14:09

COMPOUND	RRF	RRFCC	MIN RRF	% D	MAX % D
4-Nitrophenol	0.107	0.097	0.050	9.8	
Fluorene	1.001	1.083		-8.2	
4-Chlorophenyl-phenylether	0.525	0.542		-3.2	
Diethylphthalate	1.130	1.192		-5.4	
4-Nitroaniline	0.269	0.289		-7.4	
4,6-Dinitro-2-methylphenol	0.152	0.149		1.6	
n-Nitrosodiphenylamine	0.466	0.528	0.050	-13.5	20.0
1,2-Diphenylhydrazine	0.866	0.903		-4.3	
4-Bromophenyl-phenylether	0.170	0.181		-6.4	
Hexachlorobenzene	0.217	0.227		-4.7	
Pentachlorophenol	0.129	0.135	0.050	-4.5	20.0
Phenanthrene	0.883	0.999		-13.1	
Anthracene	0.919	1.037		-12.8	
Carbazole	0.805	0.954		-18.6	
Di-n-butylphthalate	1.069	1.277		-19.4	
Fluoranthene	0.914	1.073	0.050	-17.3	20.0
Pyrene	1.313	1.324		-0.9	
Butylbenzylphthalate	0.664	0.787		-18.5	
3,3-Dichlorobenzidine	0.312	0.370		-18.7	
Benzo[a]anthracene	1.083	1.171		-8.1	
Chrysene	1.038	1.114		-7.3	
bis(2-Ethylhexyl)phthalate	0.815	1.031		-26.5	
Di-n-octylphthalate	1.833	2.192	0.050	-19.6	20.0
Benzo[b]fluoranthene	1.319	1.360		-3.1	
Benzo[k]fluoranthene	1.217	1.266		-4.1	
Benzo[a]pyrene	1.158	1.208	0.050	-4.3	20.0
Indeno[1,2,3-cd]pyrene	1.021	1.100		-7.7	
Dibenz[a,h]anthracene	0.827	0.891		-7.7	
Benzo[g,h,i]perylene	0.871	0.954		-9.5	
2-Fluorophenol	1.304	1.335		-2.4	
Phenol-d5	1.410	1.418		-0.6	
Nitrobenzene-d5	0.415	0.404		2.6	
2-Fluorobiphenyl	1.356	1.445		-6.5	
2,4,6-Tribromophenol	0.182	0.183		-0.2	
Terphenyl-d14	0.748	0.751		-0.4	

(1) Cannot be separated from Diphenylamine

All other compounds must meet a minimum RRF of 0.010.

7B

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: GPL_LABORATORIES Contract: TT_NUS

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Instrument ID: HP#T Calibration Date: 03/29/05 Time: 11:14

Lab File ID: T23329.D Init. Calib. Date(s): 03/10/05 03/10/05

Init. Calib. Times: 16:26 19:36

COMPOUND	RRF	RRF50	MIN RRF	% D	MAX % D
Pyridine	1.620	1.306		19.4	
Aniline	1.794	1.550		13.6	
Benzidine	0.642	0.514		19.8	

All other compounds must meet a minimum RRF of 0.010.

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
BLK74588

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code	GPL	SAS NO. :	
Case No.		SDG NO :	503077
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	BLK74588
Sample Volume :	30	Lab File ID :	T23330.D
% Moisture:		Date Received	
Extraction:	SW3550	Date Extracte	03/29/2005
Extract Volume	1 mL	Date Analyzed	03/29/2005
Injection Volume :	1 µL	Dilution Factor	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
120-82-1	1,2,4-Trichlorobenzene	330	U
95-50-1	1,2-Dichlorobenzene	330	U
122-66-7	1,2-Diphenylhydrazine	330	U
541-73-1	1,3-Dichlorobenzene	330	U
106-46-7	1,4-Dichlorobenzene	330	U
108-60-1	2,2-Oxybis(1-Chloropropane)	330	U
95-95-4	2,4,5-Trichlorophenol	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
120-83-2	2,4-Dichlorophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
51-28-5	2,4-Dinitrophenol	670	U
121-14-2	2,4-Dinitrotoluene	330	U
606-20-2	2,6-Dinitrotoluene	330	U
91-58-7	2-Chloronaphthalene	330	U
95-57-8	2-Chlorophenol	330	U
91-57-6	2-Methylnaphthalene	330	U
88-74-4	2-Nitroaniline	330	U
88-75-5	2-Nitrophenol	330	U
95-48-7	2-methylphenol	330	U
91-94-1	3,3-Dichlorobenzidine	670	U
99-09-2	3-Nitroaniline	330	U
534-52-1	4,6-dinitro-2-methyl phenol	670	U
101-55-3	4-Bromophenyl-phenylether	330	U
106-47-8	4-Chloroaniline	330	U
7005-72-3	4-Chlorophenyl Phenyl Ether	330	U
100-01-6	4-Nitroaniline	330	U
100-02-7	4-Nitrophenol	670	U
59-50-7	4-chloro-3-methylphenol	330	U
106-44-5	4-methylphenol	330	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
BLK74588

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code	GPL	SAS NO. :	
Case No.		SDG NO :	503077
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	BLK74588
Sample Volume :	30	Lab File ID :	T23330.D
% Moisture:		Date Received	
Extraction:	SW3550	Date Extracte	03/29/2005
Extract Volume	1 mL	Date Analyzed	03/29/2005
Injection Volume :	1 µL	Dilution Factor	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
83-32-9	Acenaphthene	330	U
208-96-8	Acenaphthylene	330	U
62-53-3	Aniline (Phenylamine, Aminobenzene)	330	U
120-12-7	Anthracene	330	U
92-87-5	Benzidine	330	U
56-55-3	Benzo(a)anthracene	330	U
50-32-8	Benzo(a)pyrene	330	U
205-99-2	Benzo(b)fluoranthene	330	U
191-24-2	Benzo(g,h,i)perylene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
65-85-0	Benzoic Acid	670	U
100-51-6	Benzyl Alcohol	330	U
85-68-7	Benzyl Butyl Phthalate	330	U
86-74-8	Carbazole	330	U
218-01-9	Chrysene	330	U
53-70-3	Dibenz(a,h)Anthracene	330	U
132-64-9	Dibenzofuran	330	U
84-66-2	Diethyl Phthalate	330	U
131-11-3	Dimethyl Phthalate	330	U
206-44-0	Fluoranthene	330	U
86-73-7	Fluorene	330	U
118-74-1	Hexachlorobenzene	330	U
87-68-3	Hexachlorobutadiene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
67-72-1	Hexachloroethane	330	U
193-39-5	Indeno(1,2,3-c,d)Pyrene	330	U
78-59-1	Isophorone	330	U
91-20-3	Naphthalene	330	U
98-95-3	Nitrobenzene	330	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
BLK74588

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code	GPL	SAS NO. :	
Case No.		SDG NO :	503077
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	BLK74588
Sample Volume :	30	Lab File ID :	T23330.D
% Moisture:		Date Received	
Extraction:	SW3550	Date Extracte	03/29/2005
Extract Volume	1 mL	Date Analyzed	03/29/2005
Injection Volume :	1 µL	Dilution Factor	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
87-86-5	Pentachlorophenol	670	U
85-01-8	Phenanthrene	330	U
108-95-2	Phenol	330	U
129-00-0	Pyrene	330	U
110-86-1	Pyridine	330	U
111-91-1	bis(2-chloroethoxy) methane	330	U
111-44-4	bis(2-chloroethyl) ether	330	U
117-81-7	bis(2-ethylhexyl) phthalate	330	U
84-74-2	di-n-Butyl Phthalate	330	U
117-84-0	di-n-Octyl Phthalate	330	U
621-64-7	n-Nitrosodi-n-Propylamine	330	U
62-75-9	n-Nitrosodimethylamine	330	U
86-30-6	n-Nitrosodiphenylamine	330	U

GPL Laboratories

LCS SUMMARY

SAMPLE NO
BKS74588

Lab Name : GPL Laboratories
Lab Code GPL
Matrix : SOIL
Method : SW8270C

Contract. Middle River
SDG NO : 503077
Lab Sample ID : BKS74588
Analysis Date : 03/29/2005

COMPOUND	SPIKE ADDED (ug/kg)	BLANK CONCENTRATION (ug/kg)	LCS CONCENTRATION (ug/kg)	LCS % REC	QC LIMTS
1,2,4-Trichlorobenzene	3300	0	2800	84	64-124
1,4-Dichlorobenzene	3300	0	2900	87	60-122
2,4-Dinitrotoluene	3300	0	3100	93	61-143
2-Chlorophenol	3300	0	2800	84	47-131
4-Nitrophenol	3300	0	3600	108	46-154
4-chloro-3-methylphenol	3300	0	3200	96	48-132
Acenaphthene	3300	0	2700	81	52-138
Pentachlorophenol	3300	0	3600	108	38-144
Phenol	3300	0	3000	90	45-129
Pyrene	3300	0	2500	75	38-156
n-Nitrosodi-n-Propylamine	3300	0	2700	81	54-138

* Values Outside of QC Limits.

GPL Laboratories

MS/MSD RECOVERY

SAMPLE NO
SD-6-031805MSD

Lab Name : GPL Laboratories SDG NO : 503094 Method : SW8270C

Lab Code GPL Lab Sample ID : 503094-005-029-1/3MSD Matrix : SOIL Analysis Date : 03/29/2005

Compound	Spike Added (ug/kg)		CONCENTRATION (ug/kg)			%RECOVERY		% RPD	RPD Limit	QC Limits
	MS	MSD	Sample	MS	MSD	MS	MSD			
1,2,4-Trichlorobenzene	7800	7800	0	4200	3700	54	47	14	23	44-114
1,4-Dichlorobenzene	7800	7800	0	4200	3600	54	46	16	27	41-111
2,4-Dinitrotoluene	7800	7800	0	6800	6800	87	87	0	47	46-136
2-Chlorophenol	7800	7800	0	4000	3300	51	42	19	50	30-122
4-Nitrophenol	7800	7800	0	7700	6700	99	86	14	50	13-149
4-chloro-3-methylphenol	7800	7800	0	6500	5900	83	76	9	33	25-131
Acenaphthene	7800	7800	0	5200	4900	67	63	6	19	43-127
Pentachlorophenol	7800	7800	0	7800	7200	100	92	8	47	11-133
Phenol	7800	7800	0	3900	3200	50	41	20	35	31-113
Pyrene	7800	7800	870	6200	6400	68	71	4	36	30-144
n-Nitrosodi-n-Propylamine	7800	7800	0	3800	3200	49	41	18	38	38-128

087

Column to be used to flag recovery and RPD Values with an aster

* Values Outside of QC Limits.

RPD 0 Out of 11 Outside Limit
Spike Recovery : 0 Out of 22 outside limit

GPL

Form 8 1 of 2

SEMI-VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: GPL LABORATORIES Contract : Tetra Tech NUS

Lab Code: GPL Case No: N/A SAS No:N/A SDG No : 503077

Lab File ID: T23328.D Date Analyzed: 03/29/2005 Time Analyzed: 10:32

	ACNPD10		CHRYSENED12		DCBZ14D4	
	Area #	RT #	Area #	RT #	Area #	RT #
12 HOUR STD	435567	16.33	540445	22.62	325375	10.56
UPPER LIMIT	871134	16.83	1080890	23.12	650750	11.06
LOWER LIMIT	217784	15.83	270223	22.12	162688	10.06
Client Sample						
BKS74588	515629	16.33	632441	22.62	392824	10.56
BLK74588	488389	16.32	502707	22.61	398204	10.56
SD-04-031705	618431	16.32	598345	22.62	457945	10.54
SD-1-031705	583758	16.32	579317	22.61	441845	10.55
SD-3-031705	588637	16.32	568250	22.61	454021	10.54

ACNPD10 = acenaphthene-d1
CHRYSENED12 = Chrysene-d1
DCBZ14D4 = 1,4-Dichlorobenzene-d
NAPHD8 = Naphthalene-d
PERYD12 = Perylene-d1
PHAND10 = phenanthrene-d1

AREA UPPER LIMIT = +100% of internal standard are
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +.50 minutes of internal standard RT
RT LOWER LIMIT = -.50 minutes of internal standard RT
Column to be used to flag values outside QC limit with an asteris
* Values outside of contract required QC limits

GPL
Form 8 2 of 2
SEMI-VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: GPL LABORATORIES Contract : Tetra Tech NUS

Lab Code: GPL Case No: N/A SAS No:N/A SDG No : 503077

Lab File ID: T23328.D Date Analyzed: 03/29/2005 Time Analyzed: 10:32

	NAPHD8		PERYD12		PHAND10	
	Area #	RT #	Area #	RT #	Area #	RT #
12 HOUR STD	954421	12.95	440242	25.62	638828	19.10
UPPER LIMIT	1908842	13.45	880484	26.12	1277656	19.60
LOWER LIMIT	477211	12.45	220121	25.12	319414	18.60
Client Sample						
BKS74588	1142049	12.95	516120	25.62	738717	19.09
BLK74588	1139807	12.95	354010	25.62	674062	19.09
SD-04-031705	1319502	12.95	427885	25.63	840827	19.09
SD-1-031705	1285657	12.94	406754	25.63	816629	19.09
SD-3-031705	1313260	12.95	392811	25.62	814252	19.09

ACNPD10 = acenaphthene-d1
CHRYSENED12 = Chrysene-d1
DCBZ14D4 = 1,4-Dichlorobenzene-d
NAPHD8 = Naphthalene-d
PERYD12 = Perylene-d1
PHAND10 = phenanthrene-d1

AREA UPPER LIMIT = +100% of internal standard are
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +.50 minutes of internal standard RT
RT LOWER LIMIT = -.50 minutes of internal standard RT
Column to be used to flag values outside QC limit with an asteris
* Values outside of contract required QC limits

TETRA TECH NUS, INC. **CALCULATION WORKSHEET** PAGE _____ OF _____

CLIENT Lockheed Middle River		JOB NUMBER Job-00076 SDG-503077	
SUBJECT Sample Calculation			
BASED ON		DRAWING NUMBER	
BY Bernard F Spada III	CHECKED BY	APPROVED BY	DATE 5/25/05

Sample SD-1-031705

Butylbenzylphthalate = 2500 ug/kg

$$\text{Butylbenzylphthalate} = \frac{(581154)(40\ ng/\cancel{mL})(1000\ \cancel{mL})}{(879317)(0.669)(30g)} = 2477\ ng/g = ug/kg$$

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SD-1-031705

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code	GPL	SAS NO. :	
Case No.		SDG NO :	503077
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	503077-016-095-1/1
Sample Volume :	30	Lab File ID :	T23341.D
% Moisture:	18.69	Date Received	03/17/2005
Extraction:	SW3550	Date Extracte	03/29/2005
Extract Volume	1 mL	Date Analyzed	03/29/2005
Injection Volume :	1 µL	Dilution Factor	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
83-32-9	Acenaphthene	410	U
208-96-8	Acenaphthylene	180	J
62-53-3	Aniline (Phenylamine, Aminobenzene)	410	U
120-12-7	Anthracene	140	J
92-87-5	Benzidine	410	U
56-55-3	Benzo(a)anthracene	650	
50-32-8	Benzo(a)pyrene	530	
205-99-2	Benzo(b)fluoranthene	800	
191-24-2	Benzo(g,h,i)perylene	320	J
207-08-9	Benzo(k)fluoranthene	190	J
65-85-0	Benzoic Acid	820	U
100-51-6	Benzyl Alcohol	410	U
85-68-7	Benzyl Butyl Phthalate	2500	
86-74-8	Carbazole	410	U
218-01-9	Chrysene	730	
53-70-3	Dibenz(a,h)Anthracene	410	U
132-64-9	Dibenzofuran	410	U
84-66-2	Diethyl Phthalate	410	U
131-11-3	Dimethyl Phthalate	410	U
206-44-0	Fluoranthene	1000	
86-73-7	Fluorene	54	J
118-74-1	Hexachlorobenzene	410	U
87-68-3	Hexachlorobutadiene	410	U
77-47-4	Hexachlorocyclopentadiene	410	U
67-72-1	Hexachloroethane	410	U
193-39-5	Indeno(1,2,3-c,d)Pyrene	280	J
78-59-1	Isophorone	410	U
91-20-3	Naphthalene	410	U
98-95-3	Nitrobenzene	410	U

Quantitation Report (QT Reviewed)

Data File : H:\GCMSDATA\T\032905\T23341.D Vial: 15
Acq On : 29 Mar 2005 19:23 Operator: CJD
Sample : 503077-016-095-1/1 Inst : GC/MS-T
Misc : SD1031705 TT_NUS 30g. SOIL HP#T CJD Multiplr: 1.00
MS Integration Params: rteint.p
Quant Time: Mar 30 9:46 2005 Quant Results File: ME8270T.RES

Quant Method : C:\HPCHEM\1\METHODS\ME8270T.M (RTE Integrator)
Title : SW-846 Method 8270
Last Update : Tue Mar 29 14:10:12 2005
Response via : Initial Calibration
DataAcq Meth : ME8270T

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	10.55	152	441845	40.00	ug/ml	-0.01
21) Naphthalene-d8	12.94	136	1285657	40.00	ug/ml	-0.01
37) Acenaphthene-d10	16.32	164	583758	40.00	ug/ml	-0.01
59) Phenanthrene-d10	19.09	188	816629	40.00	ug/ml	-0.01
73) Chrysene-d12	22.61	240	579317	40.00	ug/ml	-0.01
81) Perylene-d12	25.63	264	406754	40.00	ug/ml	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	8.07	112	1442054	100.11	ug/ml	0.00
Spiked Amount 200.000	Range 20 - 106		Recovery = 50.06%			
8) Phenol-d5	9.80	99	1913889	122.89	ug/ml	0.00
Spiked Amount 200.000	Range 25 - 121		Recovery = 61.45%			
22) Nitrobenzene-d5	11.57	82	861477	64.57	ug/ml	-0.01
Spiked Amount 100.000	Range 29 - 117		Recovery = 64.57%			
41) 2-Fluorobiphenyl	14.99	172	1389475	70.19	ug/ml	-0.01
Spiked Amount 100.000	Range 31 - 125		Recovery = 70.19%			
58) 2,4,6-Tribromophenol	17.85	330	392392	147.38	ug/ml	-0.01
Spiked Amount 200.000	Range 31 - 137		Recovery = 73.69%			
75) Terphenyl-d14	21.21	244	852610	78.72	ug/ml	0.00
Spiked Amount 100.000	Range 26 - 160		Recovery = 78.72%			
Target Compounds						Qvalue
36) 2-Methylnaphthalene	14.30	142	12037	0.74	ug/ml	98
45) Acenaphthylene	16.05	152	109296	4.35	ug/ml	99
54) Fluorene	17.38	166	19291	1.32	ug/ml	96
68) Phenanthrene	19.12	178	241565	13.39	ug/ml	98
69) Anthracene	19.20	178	64046m	3.41	ug/ml	
72) Fluoranthene	20.78	202	453820	24.31	ug/ml	92
74) Pyrene	21.06	202	544204	28.63	ug/ml	95
76) Butylbenzylphthalate	21.75	149	581154	60.43	ug/ml	99
78) Benzo[a]anthracene	22.60	228	248250	15.82	ug/ml	97
79) Chrysene	22.65	228	269321	17.92	ug/ml	97
80) bis(2-Ethylhexyl)phthalate	22.46	149	210871	17.86	ug/ml	97
83) Benzo[b]fluoranthene	24.65	252	260140m	19.40	ug/ml	
84) Benzo[k]fluoranthene	24.69	252	57516m	4.65	ug/ml	
85) Benzo[a]pyrene	25.47	252	151193	12.84	ug/ml	88
86) Indeno[1,2,3-cd]pyrene	29.19	276	71148	6.85	ug/ml	93
88) Benzo[g,h,i]perylene	30.32	276	69576	7.85	ug/ml	95

(#) = qualifier out of range (m) = manual integration

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: GPL_LABORATORIES Contract: TT_NUS

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Instrument ID: HP#T Calibration Date(s): 03/14/05 03/14/05

Calibration Times: 10:30 14:09

LAB FILE ID: RRF10 = T23148.D RRF20 = T23149.D RRF160 = T23147.D

RRF50 = T23146.D RRF80 = T23150.D RRF120 = T23151.D

COMPOUND		RRF10	RRF20	RRF50	RRF80	RRF120	RRF160	$\overline{RRF}$	% RSD
4-Nitrophenol	*	0.061	0.095	0.108	0.119	0.132	0.127	0.107	24.6
Fluorene		1.103	1.058	1.004	0.948	0.980	0.915	1.001	7.0
4-Chlorophenyl-phenylether		0.536	0.544	0.524	0.514	0.523	0.508	0.525	2.6
Diethylphthalate		1.225	1.184	1.115	1.091	1.114	1.051	1.130	5.6
4-Nitroaniline		0.246	0.264	0.271	0.274	0.284	0.278	0.269	4.9
4,6-Dinitro-2-methylphenol		0.102	0.128	0.149	0.168	0.179	0.186	0.152	21.3
n-Nitrosodiphenylamine	*	0.494	0.482	0.453	0.445	0.465	0.456	0.466	4.0
1,2-Diphenylhydrazine		0.944	0.927	0.822	0.831	0.841	0.832	0.866	6.3
4-Bromophenyl-phenylether		0.168	0.166	0.169	0.168	0.174	0.175	0.170	2.0
Hexachlorobenzene		0.224	0.217	0.216	0.209	0.220	0.216	0.217	2.3
Pentachlorophenol	*	0.089	0.105	0.137	0.140	0.152	0.153	0.129	20.4
Phenanthrene		0.985	0.951	0.878	0.831	0.842	0.814	0.883	7.9
Anthracene		1.025	0.980	0.910	0.863	0.880	0.857	0.919	7.5
Carbazole		0.851	0.863	0.831	0.753	0.798	0.732	0.805	6.6
Di-n-butylphthalate		1.160	1.147	1.079	1.026	1.042	0.962	1.069	7.0
Fluoranthene	*	1.003	0.992	0.928	0.856	0.900	0.808	0.914	8.3
Pyrene		1.497	1.457	1.265	1.165	1.257	1.236	1.313	10.1
Butylbenzylphthalate		0.691	0.681	0.642	0.646	0.667	0.658	0.664	2.9
3,3-Dichlorobenzidine		0.364	0.311	0.300	0.309	0.314	0.273	0.312	9.5
Benzo[a]anthracene		1.160	1.133	1.062	1.028	1.067	1.048	1.083	4.8
Chrysene		1.118	1.092	1.007	0.991	1.034	0.986	1.038	5.3
bis(2-Ethylhexyl)phthalate		0.789	0.827	0.826	0.807	0.848	0.797	0.815	2.7
Di-n-octylphthalate	*	1.926	1.937	1.726	1.821	1.812	1.774	1.833	4.6
Benzo[b]fluoranthene		1.350	1.358	1.261	1.298	1.356	1.290	1.319	3.1
Benzo[k]fluoranthene		1.314	1.203	1.189	1.210	1.164	1.221	1.217	4.2
Benzo[a]pyrene	*	1.203	1.172	1.126	1.126	1.161	1.161	1.158	2.5
Indeno[1,2,3-cd]pyrene		1.037	1.070	1.028	0.911	1.031	1.050	1.021	5.5
Dibenz[a,h]anthracene		0.791	0.881	0.826	0.747	0.855	0.864	0.827	6.1
Benzo[g,h,i]perylene		0.855	0.914	0.870	0.774	0.905	0.909	0.871	6.1
2-Fluorophenol		1.346	1.283	1.246	1.265	1.343	1.341	1.304	3.4
Phenol-d5		1.421	1.437	1.332	1.379	1.427	1.464	1.410	3.3
Nitrobenzene-d5		0.430	0.418	0.398	0.404	0.425	0.417	0.415	2.9
2-Fluorobiphenyl		1.540	1.435	1.325	1.256	1.337	1.246	1.356	8.3
2,4,6-Tribromophenol		0.159	0.180	0.181	0.187	0.198	0.190	0.182	7.2
Terphenyl-d14		0.806	0.787	0.722	0.700	0.735	0.738	0.748	5.4

(1) Cannot be separated from Diphenylamine

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

Response Factor Report Instrumen

Method : H:\GCDATA\METHODS\U_ICAL\020805U.M (Chemstation Integrator)
Title : 8082_PCB_Method
Last Update : Fri Feb 11 12:09:01 2005

Calibration Files
P005 =U018144.D P025 =U018143.D P050 =U018142.D
P075 =U018141.D P100 =U018140.D P001 =U018070.D

		Compound	P005	P025	P050	P075	P100	P001	Avg		%RSD
1)	S	Tetrachloro-m-xylen	3.682	4.136	3.755	3.728	3.791		3.818	E6	4.77
2)	S	Decachlorobiphenyl	5.242	4.892	4.632	4.518	4.538		4.764	E6	6.41
3)	L1	AR1016	1.720	1.527	1.442	1.363	1.366		1.484	E5	10.00
4)	L1	AR1016 {2}	1.232	1.084	1.036	0.976	1.015		1.069	E5	9.29
5)	L1	AR1016 {3}	9.114	8.671	8.344	8.251	8.085		8.493	E4	4.80
6)	L1	AR1016 {4}	1.100	0.962	0.912	0.871	0.893		0.948	E5	9.68
7)	L1	AR1016 {5}	7.428	6.834	6.398	6.181	6.091		6.586	E4	8.36
8)	L2	AR1221			4.926				4.926	E4	0.00
9)	L2	AR1221 {2}			2.913				2.913	E4	0.00
10)	L2	AR1221 {3}			1.003				1.003	E5	0.00
11)	L3	AR1232			1.699				1.699	E4	0.00
12)	L3	AR1232 {2}			3.070				3.070	E4	0.00
13)	L3	AR1232 {3}			8.378				8.378	E4	0.00
14)	L3	AR1232 {4}			2.840				2.840	E4	0.00
15)	L3	AR1232 {5}			2.016				2.016	E4	0.00
16)	L4	AR1242			9.707				9.707	E4	0.00
17)	L4	AR1242 {2}			5.550				5.550	E4	0.00
18)	L4	AR1242 {3}			7.477				7.477	E4	0.00
19)	L4	AR1242 {4}			4.747				4.747	E4	0.00
20)	L4	AR1242 {5}			4.843				4.843	E4	0.00
21)	L5	AR1248			8.607				8.607	E4	0.00
22)	L5	AR1248 {2}			9.445				9.445	E4	0.00
23)	L5	AR1248 {3}			3.165				3.165	E4	0.00
24)	L5	AR1248 {4}			4.754				4.754	E4	0.00
25)	L5	AR1248 {5}			8.326				8.326	E4	0.00
26)	L6	AR1254			9.450				9.450	E4	0.00
27)	L6	AR1254 {2}			2.305				2.305	E5	0.00
28)	L6	AR1254 {3}			1.384				1.384	E5	0.00
29)	L6	AR1254 {4}			1.927				1.927	E5	0.00
30)	L6	AR1254 {5}			1.025				1.025	E5	0.00
31)	L7	AR1260	2.251	2.070	1.933	1.872	1.875		2.000	E5	8.08
32)	L7	AR1260 {2}	3.581	3.323	3.114	3.051	3.071		3.228	E5	6.97
33)	L7	AR1260 {3}	1.794	1.646	1.570	1.543	1.558		1.622	E5	6.42
34)	L7	AR1260 {4}	4.146	4.030	3.900	3.871	3.993		3.988	E5	2.75
35)	L7	AR1260 {5}	2.304	2.254	2.289	2.102	2.123		2.214	E5	4.29
36)	L8	AR1268			1.610				1.610	E5	0.00
37)	L8	AR1268 {2}			6.277				6.277	E5	0.00
38)	L8	AR1268 {3}			6.969				6.969	E5	0.00
39)	L8	AR1268 {4}			5.153				5.153	E5	0.00
40)	L8	AR1268 {5}			1.434				1.434	E6	0.00

) = Out of Range

Response Factor Report Instrumen

Method : H:\GCDATA\METHODS\U_ICAL\020805U.M (Chemstation Integrator)
Title : 8082_PCB_Method
Last Update : Fri Feb 11 12:09:01 2005

Calibration Files
P005 =U018144.D P025 =U018143.D P050 =U018142.D
P075 =U018141.D P100 =U018140.D P001 =U018070.D

	Compound	P005	P025	P050	P075	P100	P001 Avg	%RSD
Signal #2 Calibration Files								
P005 =U018144.D	P025 =U018143.D	P050 =U018142.D						
P075 =U018141.D	P100 =U018140.D	P001 =U018070.D						
	Compound	P005	P025	P050	P075	P100	P001 Avg	%RSD
1) S	Tetrachloro-m-xylen	3.137	3.293	3.676	3.724	4.090	3.584 E7	10.52
2) S	Decachlorobiphenyl	5.001	4.792	4.863	4.754	4.842	4.850 E7	1.94
3) L1	AR1016	1.251	1.182	1.160	1.173	1.203	1.194 E6	2.98
4) L1	AR1016 {2}	6.991	6.371	6.744	6.658	7.238	6.801 E5	4.85
5) L1	AR1016 {3}	9.819	9.071	9.125	9.049	9.491	9.311 E5	3.61
6) L1	AR1016 {4}	7.901	7.276	6.954	7.002	7.136	7.254 E5	5.28
7) L1	AR1016 {5}	7.979	7.390	7.011	7.081	7.128	7.318 E5	5.42
8) L2	AR1221			3.492			3.492 E5	0.00
9) L2	AR1221 {2}			2.256			2.256 E5	0.00
10) L2	AR1221 {3}			9.429			9.429 E5	0.00
11) L3	AR1232			3.438			3.438 E5	0.00
12) L3	AR1232 {2}			1.269			1.269 E5	0.00
13) L3	AR1232 {3}			3.909			3.909 E5	0.00
14) L3	AR1232 {4}			8.210			8.210 E5	0.00
15) L3	AR1232 {5}			2.150			2.150 E5	0.00
16) L4	AR1242			4.572			4.572 E5	0.00
17) L4	AR1242 {2}			1.731			1.731 E5	0.00
18) L4	AR1242 {3}			5.403			5.403 E5	0.00
19) L4	AR1242 {4}			7.233			7.233 E5	0.00
20) L4	AR1242 {5}			6.507			6.507 E5	0.00
21) L5	AR1248			8.219			8.219 E5	0.00
22) L5	AR1248 {2}			9.517			9.517 E5	0.00
23) L5	AR1248 {3}			1.440			1.440 E6	0.00
24) L5	AR1248 {4}			4.486			4.486 E5	0.00
25) L5	AR1248 {5}			4.105			4.105 E5	0.00
26) L6	AR1254			6.773			6.773 E5	0.00
27) L6	AR1254 {2}			6.719			6.719 E5	0.00
28) L6	AR1254 {3}			2.472			2.472 E6	0.00
29) L6	AR1254 {4}			1.981			1.981 E6	0.00
30) L6	AR1254 {5}			2.106			2.106 E6	0.00
31) L7	AR1260	2.003	1.969	1.919	1.972	1.996	1.972 E6	1.68
32) L7	AR1260 {2}	2.516	2.440	2.408	2.436	2.496	2.459 E6	1.82
33) L7	AR1260 {3}	1.590	1.555	1.534	1.557	1.600	1.567 E6	1.74
34) L7	AR1260 {4}	1.671	1.674	1.674	1.745	1.775	1.708 E6	2.87
35) L7	AR1260 {5}	2.712	2.782	2.869	2.863	3.018	2.849 E6	4.02
36) L8	AR1268			1.476			1.476 E6	0.00
37) L8	AR1268 {2}			4.295			4.295 E6	0.00
38) L8	AR1268 {3}			4.295			4.295 E6	0.00
39) L8	AR1268 {4}			4.295			4.295 E6	0.00
40) L8	AR1268 {5}			1.841			1.841 E6	0.00

#) = Out of Range

Evaluate Continuing Calibration Report

Signal #1 : H:\GCDATA\U\032905\U018660.D\ECD1A.CH Vial: 1
Signal #2 : H:\GCDATA\U\032905\U018660.D\ECD2B.CH
Acq On : 3-29-05 15:00:10 Operator: IOE
Sample : AR1660-3 Inst : Instrumen
Misc : STD- 8082-S Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : H:\GCDATA\METHODS\U_ICAL\020805U.M (Chemstation Integrator)
Title : 8082_PCB_Method
Last Update : Fri Feb 11 12:09:01 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF		%Dev	Area%	Dev(min)
1	S	Tetrachloro-m-xylene	3.818	4.239	E6	-11.0	0#	0.03
2	S	Decachlorobiphenyl	4.764	4.012	E6	15.8#	0#	0.03
3	L1	AR1016	148.353	149.621	E3	-0.9	0#	0.04
4	L1	AR1016 {2}	106.865	100.832	E3	5.6	0#	0.03
5	L1	AR1016 {3}	84.931	88.646	E3	-4.4	0#	0.03
6	L1	AR1016 {4}	94.756	94.137	E3	0.7	0#	0.03
7	L1	AR1016 {5}	65.864	65.554	E3	0.5	0#	0.02
31	L7	AR1260	200.029	201.451	E3	-0.7	0#	0.03
32	L7	AR1260 {2}	322.777	324.799	E3	-0.6	0#	0.03
33	L7	AR1260 {3}	162.200	168.788	E3	-4.1	0#	0.03
34	L7	AR1260 {4}	398.796	388.107	E3	2.7	0#	0.02
35	L7	AR1260 {5}	221.423	209.110	E3	5.6	0#	0.02

Signal #2

1	S	Tetrachloro-m-xylene	35.841	36.626	E6	-2.2	0#	0.00
2	S	Decachlorobiphenyl	48.503	42.211	E6	13.0	0#	0.00
3	L1	AR1016	1.194	1.109	E6	7.1	0#	-0.01
4	L1	AR1016 {2}	680.065	635.970	E3	6.5	0#	-0.01
5	L1	AR1016 {3}	931.095	910.038	E3	2.3	0#	-0.01
6	L1	AR1016 {4}	725.374	673.349	E3	7.2	0#	0.00
7	L1	AR1016 {5}	731.777	679.994	E3	7.1	0#	0.00
31	L7	AR1260	1.972	1.855	E6	5.9	0#	0.00
32	L7	AR1260 {2}	2.459	2.345	E6	4.6	0#	0.00
33	L7	AR1260 {3}	1.567	1.469	E6	6.3	0#	-0.01
34	L7	AR1260 {4}	1.708	1.585	E6	7.2	0#	-0.01
35	L7	AR1260 {5}	2.849	2.698	E6	5.3	0#	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
U018660.D 020805U.M Thu Apr 07 14:34:40 2005 W95

Evaluate Continuing Calibration Report

Signal #1 : H:\GCDATA\U\032905\U018671.D\ECD1A.CH Vial: 12
Signal #2 : H:\GCDATA\U\032905\U018671.D\ECD2B.CH
Acq On : 3-29-05 21:18:55 Operator: IOE
Sample : AR1660-3 Inst : Instrumen
Misc : STD 8082-S Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : H:\GCDATA\METHODS\U_ICAL\020805U.M (Chemstation Integrator)
Title : 8082_PCB_Method
Last Update : Fri Feb 11 12:09:01 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF		%Dev	Area%	Dev(min)
1	S	Tetrachloro-m-xylene	3.818	4.028	E6	-5.5	0#	0.04
2	S	Decachlorobiphenyl	4.764	3.667	E6	23.0#	0#	0.03
3	L1	AR1016	148.353	158.082	E3	-6.6	0#	0.04
4	L1	AR1016 {2}	106.865	110.988	E3	-3.9	0#	0.03
5	L1	AR1016 {3}	84.931	84.064	E3	1.0	0#	0.03
6	L1	AR1016 {4}	94.756	98.935	E3	-4.4	0#	0.03
7	L1	AR1016 {5}	65.864	61.832	E3	6.1	0#	0.03
31	L7	AR1260	200.029	198.293	E3	0.9	0#	0.03
32	L7	AR1260 {2}	322.777	316.722	E3	1.9	0#	0.03
33	L7	AR1260 {3}	162.200	153.334	E3	5.5	0#	0.03
34	L7	AR1260 {4}	398.796	360.727	E3	9.5	0#	0.02
35	L7	AR1260 {5}	221.423	186.719	E3	15.7#	0#	0.02

Signal #2

1	S	Tetrachloro-m-xylene	35.841	40.641	E6	-13.4	0#	0.00
2	S	Decachlorobiphenyl	48.503	40.417	E6	16.7#	0#	0.00
3	L1	AR1016	1.194	1.180	E6	1.2	0#	0.00
4	L1	AR1016 {2}	680.065	702.363	E3	-3.3	0#	0.00
5	L1	AR1016 {3}	931.095	908.461	E3	2.4	0#	0.00
6	L1	AR1016 {4}	725.374	659.068	E3	9.1	0#	0.00
7	L1	AR1016 {5}	731.777	632.556	E3	13.6	0#	0.00
31	L7	AR1260	1.972	1.757	E6	10.9	0#	0.00
32	L7	AR1260 {2}	2.459	2.269	E6	7.7	0#	0.00
33	L7	AR1260 {3}	1.567	1.402	E6	10.5	0#	0.00
34	L7	AR1260 {4}	1.708	1.511	E6	11.5	0#	0.00
35	L7	AR1260 {5}	2.849	2.527	E6	11.3	0#	0.00

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
BLK74568

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	503077
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	BLK74568
Sample Volume :	30	Lab File ID :	U018662.D
% Moisture:		Date Received	
Extraction:	SW3550	Date Extracted:	03/25/2005
Extract Volume:	10 mL	Date Analyzed	03/29/2005
Injection Volume :	1 µL	Dilution Factor :	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
12674-11-2	PCB-1016	33	U
11104-28-2	PCB-1221	33	U
11141-16-5	PCB-1232	33	U
53469-21-9	PCB-1242	33	U
12672-29-6	PCB-1248	33	U
11097-69-1	PCB-1254	33	U
11096-82-5	PCB-1260	33	U

Surrogate Recovery Summary

Matrix : SOIL **Analytical Method : SW8082** **SDG No : 503077**

Surrogate	CL10BZ2	XYL2456CLM
Lower QC Limits	47	54
Upper QC Limits	161	168
Sample ID		
BKS74568	65	75
	65	76
BLK74568	73	89
	72	90
SD-04-031705	117	127
	81	128
SD-1-031705	68	89
	88	99
SD-3-031705	98	93
	69	92

* Value outside of QC Limts

CL10BZ2 = Decachlorobiphenyl XYL2456CLM = Tetrachloro-m-xylene

GPL Laboratories

LCS SUMMARY

SAMPLE NO
BKS74568

Lab Name : GPL Laboratories
Contract. : Middle River
Lab Code : GPL
SDG NO : 503077
Matrix : SOIL
Lab Sample ID : BKS74568
Method : SW8082
Analysis Date : 03/29/2005

COMPOUND	SPIKE ADDED (ug/kg)	BLANK CONCENTRATION (ug/kg)	LCS CONCENTRATION (ug/kg)	LCS % REC	QC LIMTS
PCB-1016	170	0	150	89	66-140
PCB-1260	170	0	140	81	64-143

* Values Outside of QC Limits.

Spike recovery : 0 out of 2 outside limits

GPL Laboratories

MS/MSD RECOVERY

SAMPLE NO
SD-6-031805MSD

Lab Name : GPL Laboratories SDG NO : 503094 Method : SW8082

Lab Code : GPL Lab Sample ID : 503094-005-029-1/3MSD Matrix : SOIL Analysis Date : 03/29/2005

Compound	Spike Added (ug/kg) MS	Spike Added (ug/kg) MSD	CONCENTRATION (ug/kg) Sample	CONCENTRATION (ug/kg) MS	CONCENTRATION (ug/kg) MSD	%RECOVERY MS	%RECOVERY MSD	% RPD	RPD Limit	QC Limits
PCB-1016	390	390	0	700	870	181 *	223 *	21 *	20	58-148
PCB-1260	390	390	540	620	770	20 *	60	100 *	15	55-151

Column to be used to flag recovery and RPD Values with an asterisk.

* Values Outside of QC Limits.

RPD 2 Out of 2 Outside Limit
Spike Recovery : 3 Out of 4 outside limit

Response Factor Report Instrumen

Method : H:\GCDATA\METHODS\U_ICAL\040405U.M (Chemstation Integrator)
Title : 8082_PCB_Method
Last Update : Tue Apr 05 19:04:01 2005

Calibration Files
P005 =U018704.D P025 =U018703.D P050 =U018702.D
P075 =U018701.D P100 =U018700.D P001 =U018705.D

		Compound	P005	P025	P050	P075	P100	P001	Avg		%RSD
1)	S	Tetrachloro-m-xylen	3.645	3.390	3.562	3.649	3.659	3.922	3.638	E6	4.74
2)	S	Decachlorobiphenyl	4.801	4.618	4.401	4.385	4.326	5.105	4.606	E6	6.56
3)	L1	AR1016	1.742	1.535	1.415	1.371	1.338	1.905	1.551	E5	14.65
4)	L1	AR1016 {2}	1.225	1.068	0.990	0.986	0.949	1.293	1.085	E5	13.08
5)	L1	AR1016 {3}	8.782	8.111	7.404	7.399	7.299	9.279	8.045	E4	10.33
6)	L1	AR1016 {4}	1.125	0.979	0.921	0.896	0.877	1.185	0.997	E5	12.87
7)	L1	AR1016 {5}	7.554	6.716	6.259	6.161	5.900	7.909	6.750	E4	12.04
8)	L2	AR1221			4.336				4.336	E4	0.00
9)	L2	AR1221 {2}			3.015				3.015	E4	0.00
10)	L2	AR1221 {3}			1.151				1.151	E5	0.00
11)	L3	AR1232			1.803				1.803	E4	0.00
12)	L3	AR1232 {2}			2.615				2.615	E4	0.00
13)	L3	AR1232 {3}			5.643				5.643	E4	0.00
14)	L3	AR1232 {4}			2.823				2.823	E4	0.00
15)	L3	AR1232 {5}			1.639				1.639	E4	0.00
16)	L4	AR1242			1.000				1.000	E5	0.00
17)	L4	AR1242 {2}			5.526				5.526	E4	0.00
18)	L4	AR1242 {3}			7.735				7.735	E4	0.00
19)	L4	AR1242 {4}			4.876				4.876	E4	0.00
20)	L4	AR1242 {5}			4.807				4.807	E4	0.00
21)	L5	AR1248			8.843				8.843	E4	0.00
22)	L5	AR1248 {2}			9.231				9.231	E4	0.00
23)	L5	AR1248 {3}			3.064				3.064	E4	0.00
24)	L5	AR1248 {4}			4.625				4.625	E4	0.00
25)	L5	AR1248 {5}			8.157				8.157	E4	0.00
26)	L6	AR1254			9.013				9.013	E4	0.00
27)	L6	AR1254 {2}			2.347				2.347	E5	0.00
28)	L6	AR1254 {3}			1.405				1.405	E5	0.00
29)	L6	AR1254 {4}			1.825				1.825	E5	0.00
30)	L6	AR1254 {5}			9.817				9.817	E4	0.00
31)	L7	AR1260	2.253	2.034	1.917	1.875	1.835	2.483	2.066	E5	12.27
32)	L7	AR1260 {2}	3.574	3.277	3.100	3.037	2.977	3.933	3.316	E5	11.19
33)	L7	AR1260 {3}	1.844	1.721	1.661	1.620	1.600	1.997	1.741	E5	8.80
34)	L7	AR1260 {4}	4.147	4.043	3.995	4.003	3.975	4.341	4.084	E5	3.43
35)	L7	AR1260 {5}	2.253	2.146	2.083	2.107	2.100	2.394	2.180	E5	5.55
36)	L8	AR1268							0.000	0	-1.00
37)	L8	AR1268 {2}							0.000	0	-1.00
38)	L8	AR1268 {3}							0.000	0	-1.00
39)	L8	AR1268 {4}							0.000	0	-1.00
40)	L8	AR1268 {5}							0.000	0	-1.00

#) = Out of Range

Method : H:\GCDATA\METHODS\U_ICAL\040405U.M (Chemstation Integrator)
Title : 8082_PCB_Method
Last Update : Tue Apr 05 19:04:01 2005

Calibration Files
P005 =U018704.D P025 =U018703.D P050 =U018702.D
P075 =U018701.D P100 =U018700.D P001 =U018705.D

	Compound	P005	P025	P050	P075	P100	P001	Avg		%RSD
Signal #2 Calibration Files										
P005 =U018704.D	P025 =U018703.D	P050 =U018702.D								
P075 =U018701.D	P100 =U018700.D	P001 =U018705.D								
1) S	Tetrachloro-m-xylen	2.893	3.364	3.663	3.894	3.969	2.750	3.422	E7	14.99
2) S	Decachlorobiphenyl	5.114	4.979	4.950	5.028	5.010	5.417	5.083	E7	3.40
3) L1	AR1016	1.177	1.135	1.113	1.130	1.119	1.245	1.153	E6	4.34
4) L1	AR1016 {2}	6.571	6.623	6.487	6.808	6.482	7.083	6.675	E5	3.48
5) L1	AR1016 {3}	8.935	8.698	8.618	8.772	8.812	9.351	8.865	E5	2.95
6) L1	AR1016 {4}	7.322	6.893	6.744	6.676	6.918	7.878	7.072	E5	6.43
7) L1	AR1016 {5}	7.153	6.798	6.727	6.657	6.678	7.724	6.956	E5	6.01
8) L2	AR1221			4.443				4.443	E5	0.00
9) L2	AR1221 {2}			2.438				2.438	E5	0.00
10) L2	AR1221 {3}			9.859				9.859	E5	0.00
11) L3	AR1232			3.878				3.878	E5	0.00
12) L3	AR1232 {2}			1.450				1.450	E5	0.00
13) L3	AR1232 {3}			4.465				4.465	E5	0.00
14) L3	AR1232 {4}			7.243				7.243	E5	0.00
15) L3	AR1232 {5}			2.300				2.300	E5	0.00
16) L4	AR1242			4.060				4.060	E5	0.00
17) L4	AR1242 {2}			1.694				1.694	E5	0.00
18) L4	AR1242 {3}			5.381				5.381	E5	0.00
19) L4	AR1242 {4}			6.899				6.899	E5	0.00
20) L4	AR1242 {5}			6.375				6.375	E5	0.00
21) L5	AR1248			7.691				7.691	E5	0.00
22) L5	AR1248 {2}			8.920				8.920	E5	0.00
23) L5	AR1248 {3}			1.386				1.386	E6	0.00
24) L5	AR1248 {4}			4.237				4.237	E5	0.00
25) L5	AR1248 {5}			4.064				4.064	E5	0.00
26) L6	AR1254			6.858				6.858	E5	0.00
27) L6	AR1254 {2}			6.080				6.080	E5	0.00
28) L6	AR1254 {3}			2.586				2.586	E6	0.00
29) L6	AR1254 {4}			1.838				1.838	E6	0.00
30) L6	AR1254 {5}			2.276				2.276	E6	0.00
31) L7	AR1260	1.866	1.836	2.168	1.905	1.903	1.985	1.944	E6	6.21
32) L7	AR1260 {2}	2.372	2.367	2.388	2.386	2.147	2.579	2.373	E6	5.77
33) L7	AR1260 {3}	1.521	1.511	1.513	1.534	1.543	1.633	1.542	E6	2.98
34) L7	AR1260 {4}	1.616	1.640	1.699	1.721	1.746	1.695	1.686	E6	2.92
35) L7	AR1260 {5}	2.771	2.882	2.976	2.863	2.147	2.850	2.748	E6	10.97
36) L8	AR1268							0.000	0	-1.00
37) L8	AR1268 {2}							0.000	0	-1.00
38) L8	AR1268 {3}							0.000	0	-1.00
39) L8	AR1268 {4}							0.000	0	-1.00
40) L8	AR1268 {5}							0.000	0	-1.00

#) = Out of Range

Evaluate Continuing Calibration Report

Signal #1 : H:\GCDATA\U\033005\U018671.D\ECD1A.CH Vial: 12
Signal #2 : H:\GCDATA\U\033005\U018671.D\ECD2B.CH
Acq On : 3-30-05 23:22:10 Operator: IOE
Sample : AR1660-3 Inst : Instrumen
Misc : STD-8082-S Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : H:\GCDATA\METHODS\U_ICAL\020805U.M (Chemstation Integrator)
Title : 8082_PCB_Method
Last Update : Fri Feb 11 12:09:01 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF		%Dev	Area%	Dev(min)
1	S	Tetrachloro-m-xylene	3.818	4.172	E6	-9.3	0#	0.04
2	S	Decachlorobiphenyl	4.764	3.659	E6	23.2#	0#	0.03
3	L1	AR1016	148.353	156.444	E3	-5.5	0#	0.05
4	L1	AR1016 {2}	106.865	113.634	E3	-6.3	0#	0.04
5	L1	AR1016 {3}	84.931	83.249	E3	2.0	0#	0.03
6	L1	AR1016 {4}	94.756	100.836	E3	-6.4	0#	0.03
7	L1	AR1016 {5}	65.864	66.733	E3	-1.3	0#	0.03
31	L7	AR1260	200.029	198.375	E3	0.8	0#	0.03
32	L7	AR1260 {2}	322.777	324.327	E3	-0.5	0#	0.03
33	L7	AR1260 {3}	162.200	157.773	E3	2.7	0#	0.03
34	L7	AR1260 {4}	398.796	370.776	E3	7.0	0#	0.02
35	L7	AR1260 {5}	221.423	206.097	E3	6.9	0#	0.02

Signal #2

1	S	Tetrachloro-m-xylene	35.841	41.424	E6	-15.6#	0#	0.00
2	S	Decachlorobiphenyl	48.503	40.205	E6	17.1#	0#	0.00
3	L1	AR1016	1.194	1.309	E6	-9.6	0#	0.00
4	L1	AR1016 {2}	680.065	740.319	E3	-8.9	0#	0.00
5	L1	AR1016 {3}	931.095	943.281	E3	-1.3	0#	0.00
6	L1	AR1016 {4}	725.374	686.581	E3	5.3	0#	0.00
7	L1	AR1016 {5}	731.777	685.701	E3	6.3	0#	0.00
31	L7	AR1260	1.972	1.878	E6	4.8	0#	0.00
32	L7	AR1260 {2}	2.459	2.403	E6	2.3	0#	0.00
33	L7	AR1260 {3}	1.567	1.482	E6	5.4	0#	0.00
34	L7	AR1260 {4}	1.708	1.608	E6	5.9	0#	0.00
35	L7	AR1260 {5}	2.849	2.585	E6	9.3	0#	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
U018671.D 020805U.M Thu Apr 07 12:37:16 2005 W95

Evaluate Continuing Calibration Report

Signal #1 : H:\GCDATA\U\033005\U018660.D\ECD1A.CH Vial: 1
Signal #2 : H:\GCDATA\U\033005\U018660.D\ECD2B.CH
Acq On : 3-30-05 16:42:32 Operator: IOE
Sample : AR1660-3 Inst : Instrumen
Misc : STD- 8082-S Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : H:\GCDATA\METHODS\U_ICAL\020805U.M (Chemstation Integrator)
Title : 8082_PCB_Method
Last Update : Fri Feb 11 12:09:01 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF		%Dev	Area%	Dev(min)
1	S	Tetrachloro-m-xylene	3.818	4.180	E6	-9.5	0#	0.03
2	S	Decachlorobiphenyl	4.764	4.132	E6	13.3	0#	0.02
3	L1	AR1016	148.353	148.266	E3	0.1	0#	0.04
4	L1	AR1016 {2}	106.865	102.389	E3	4.2	0#	0.03
5	L1	AR1016 {3}	84.931	86.748	E3	-2.1	0#	0.03
6	L1	AR1016 {4}	94.756	93.692	E3	1.1	0#	0.03
7	L1	AR1016 {5}	65.864	65.436	E3	0.6	0#	0.02
31	L7	AR1260	200.029	200.462	E3	-0.2	0#	0.03
32	L7	AR1260 {2}	322.777	326.525	E3	-1.2	0#	0.03
33	L7	AR1260 {3}	162.200	164.275	E3	-1.3	0#	0.02
34	L7	AR1260 {4}	398.796	407.668	E3	-2.2	0#	0.02
35	L7	AR1260 {5}	221.423	217.625	E3	1.7	0#	0.02

Signal #2

1	S	Tetrachloro-m-xylene	35.841	37.119	E6	-3.6	0#	0.00
2	S	Decachlorobiphenyl	48.503	44.773	E6	7.7	0#	0.00
3	L1	AR1016	1.194	1.255	E6	-5.1	0#	0.00
4	L1	AR1016 {2}	680.065	720.394	E3	-5.9	0#	0.00
5	L1	AR1016 {3}	931.095	919.073	E3	1.3	0#	0.00
6	L1	AR1016 {4}	725.374	721.604	E3	0.5	0#	0.00
7	L1	AR1016 {5}	731.777	771.327	E3	-5.4	0#	0.00
31	L7	AR1260	1.972	2.029	E6	-2.9	0#	0.00
32	L7	AR1260 {2}	2.459	2.521	E6	-2.5	0#	0.00
33	L7	AR1260 {3}	1.567	1.596	E6	-1.9	0#	0.00
34	L7	AR1260 {4}	1.708	1.790	E6	-4.8	0#	0.00
35	L7	AR1260 {5}	2.849	2.961	E6	-3.9	0#	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
U018660.D 020805U.M Thu Apr 07 12:34:48 2005 W95 1098age 1

Evaluate Continuing Calibration Report

Signal #1 : H:\GCDATA\U\040505\U018708.D\ECD1A.CH Vial: 1
Signal #2 : H:\GCDATA\U\040505\U018708.D\ECD2B.CH
Acq On : 4-5-05 10:40:23 Operator: IOE
Sample : AR1660-3 Inst : Instrumen
Misc : STD-8082 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : H:\GCDATA\METHODS\U_ICAL\040405U.M (Chemstation Integrator)
Title : 8082_PCB_Method
Last Update : Tue Apr 05 17:04:42 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF		%Dev	Area%	Dev(min)
1	S	Tetrachloro-m-xylene	3.638	4.018	E6	-10.4	107	0.02
2	S	Decachlorobiphenyl	4.606	4.522	E6	1.8	104	0.00
3	L1	AR1016	155.092	153.425	E3	1.1	0#	0.02
4	L1	AR1016 {2}	108.530	107.708	E3	0.8	0#	0.02
5	L1	AR1016 {3}	80.453	85.575	E3	-6.4	0#	0.02
6	L1	AR1016 {4}	99.685	95.835	E3	3.9	0#	0.01
7	L1	AR1016 {5}	67.499	69.936	E3	-3.6	0#	0.01
31	L7	AR1260	206.611	197.306	E3	4.5	0#	0.01
32	L7	AR1260 {2}	331.621	319.128	E3	3.8	0#	0.01
33	L7	AR1260 {3}	174.060	167.038	E3	4.0	0#	0.01
34	L7	AR1260 {4}	408.397	410.670	E3	-0.6	0#	0.00
35	L7	AR1260 {5}	218.046	212.220	E3	2.7	0#	0.00

Signal #2

1	S	Tetrachloro-m-xylene	34.223	39.201	E6	-14.5	106	0.00
2	S	Decachlorobiphenyl	50.831	50.974	E6	-0.3	104	0.00
3	L1	AR1016	1.153	1.163	E6	-0.9	0#	0.00
4	L1	AR1016 {2}	667.549	705.526	E3	-5.7	0#	0.00
5	L1	AR1016 {3}	886.452	902.272	E3	-1.8	0#	0.00
6	L1	AR1016 {4}	707.192	693.879	E3	1.9	0#	0.00
7	L1	AR1016 {5}	695.625	701.459	E3	-0.8	0#	0.00
31	L7	AR1260	1.944	1.959	E6	-0.8	0#	0.00
32	L7	AR1260 {2}	2.373	2.490	E6	-4.9	0#	0.00
33	L7	AR1260 {3}	1.542	1.616	E6	-4.8	0#	0.00
34	L7	AR1260 {4}	1.686	1.770	E6	-5.0	0#	0.00
35	L7	AR1260 {5}	2.748	3.149	E6	-14.6	0#	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Signal #1 : H:\GCDATA\U\040505\U018719.D\ECD1A.CH Vial: 11
Signal #2 : H:\GCDATA\U\040505\U018719.D\ECD2B.CH
Acq On : 4-5-05 16:11:26 Operator: IOE
Sample : AR1660-3 Inst : Instrumen
Misc : STD -8082 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : H:\GCDATA\METHODS\U_ICAL\040405U.M (Chemstation Integrator)
Title : 8082_PCB_Method
Last Update : Tue Apr 05 17:04:42 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	S	Tetrachloro-m-xylene	3.638	3.786 E6	-4.1	101	0.00
2	S	Decachlorobiphenyl	4.606	4.486 E6	2.6	103	0.00
3	L1	AR1016	155.092	142.921 E3	7.8	0#	0.00
4	L1	AR1016 {2}	108.530	98.487 E3	9.3	0#	0.00
5	L1	AR1016 {3}	80.453	78.175 E3	2.8	0#	0.00
6	L1	AR1016 {4}	99.685	90.686 E3	9.0	0#	0.00
7	L1	AR1016 {5}	67.499	66.388 E3	1.6	0#	0.00
31	L7	AR1260	206.611	192.608 E3	6.8	0#	0.00
32	L7	AR1260 {2}	331.621	312.274 E3	5.8	0#	0.00
33	L7	AR1260 {3}	174.060	164.734 E3	5.4	0#	0.00
34	L7	AR1260 {4}	408.397	404.831 E3	0.9	0#	0.00
35	L7	AR1260 {5}	218.046	213.466 E3	2.1	0#	0.00
		Signal #2					
1	S	Tetrachloro-m-xylene	34.223	35.035 E6	-2.4	95	0.00
2	S	Decachlorobiphenyl	50.831	50.235 E6	1.2	103	0.00
3	L1	AR1016	1.153	1.113 E6	3.5	0#	0.00
4	L1	AR1016 {2}	667.549	637.885 E3	4.4	0#	0.00
5	L1	AR1016 {3}	886.452	855.835 E3	3.5	0#	0.00
6	L1	AR1016 {4}	707.192	695.834 E3	1.6	0#	0.00
7	L1	AR1016 {5}	695.625	670.468 E3	3.6	0#	0.00
31	L7	AR1260	1.944	1.889 E6	2.8	0#	0.00
32	L7	AR1260 {2}	2.373	2.412 E6	-1.6	0#	0.00
33	L7	AR1260 {3}	1.542	1.537 E6	0.3	0#	0.00
34	L7	AR1260 {4}	1.686	1.709 E6	-1.4	0#	0.00
35	L7	AR1260 {5}	2.748	3.038 E6	-10.6	0#	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
U018719.D 040405U.M Wed Apr 06 17:54:14 2005 A Page 1

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Evaluate Continuing Calibration Report

Signal #1 : H:\GCDATA\U\040505\U018730.D\ECD1A.CH Vial: 22
Signal #2 : H:\GCDATA\U\040505\U018730.D\ECD2B.CH
Acq On : 4-5-05 21:42:31 Operator: IOE
Sample : AR1660-3 Inst : Instrumen
Misc : STD- 8082 Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e

Method : H:\GCDATA\METHODS\U_ICAL\040405U.M (Chemstation Integrator)
Title : 8082_PCB_Method
Last Update : Tue Apr 05 17:04:42 2005
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 15% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF		%Dev	Area%	Dev(min)
1	S	Tetrachloro-m-xylene	3.638	3.695	E6	-1.6	99	0.00
2	S	Decachlorobiphenyl	4.606	4.535	E6	1.5	104	0.00
3	L1	AR1016	155.092	158.044	E3	-1.9	0#	0.00
4	L1	AR1016 {2}	108.530	94.399	E3	13.0	0#	0.00
5	L1	AR1016 {3}	80.453	80.364	E3	0.1	0#	0.00
6	L1	AR1016 {4}	99.685	89.524	E3	10.2	0#	0.00
7	L1	AR1016 {5}	67.499	66.083	E3	2.1	0#	0.00
31	L7	AR1260	206.611	192.913	E3	6.6	0#	0.00
32	L7	AR1260 {2}	331.621	314.423	E3	5.2	0#	0.00
33	L7	AR1260 {3}	174.060	168.020	E3	3.5	0#	0.00
34	L7	AR1260 {4}	408.397	415.542	E3	-1.7	0#	0.00
35	L7	AR1260 {5}	218.046	225.199	E3	-3.3	0#	0.00

Signal #2

1	S	Tetrachloro-m-xylene	34.223	33.449	E6	2.3	91	0.00
2	S	Decachlorobiphenyl	50.831	51.083	E6	-0.5	104	0.00
3	L1	AR1016	1.153	1.150	E6	0.3	0#	0.00
4	L1	AR1016 {2}	667.549	650.608	E3	2.5	0#	0.00
5	L1	AR1016 {3}	886.452	890.172	E3	-0.4	0#	0.00
6	L1	AR1016 {4}	707.192	699.514	E3	1.1	0#	0.00
7	L1	AR1016 {5}	695.625	706.454	E3	-1.6	0#	0.00
31	L7	AR1260	1.944	1.943	E6	0.1	0#	0.00
32	L7	AR1260 {2}	2.373	2.486	E6	-4.8	0#	0.00
33	L7	AR1260 {3}	1.542	1.600	E6	-3.8	0#	0.00
34	L7	AR1260 {4}	1.686	1.734	E6	-2.8	0#	0.00
35	L7	AR1260 {5}	2.748	3.123	E6	-13.6	0#	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0
U018730.D 040405U.M Wed Apr 06 17:46:06 2005 A

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
BLK74624

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	503077
Matrix : (Soil / Water)	WATER	Lab Sample ID :	BLK74624
Sample Volume :	1000	Lab File ID :	U018710.D
% Moisture:		Date Received	
Extraction:	SW3520C	Date Extracted:	03/22/2005
Extract Volume:	10 mL	Date Analyzed	04/05/2005
Injection Volume :	1 µL	Dilution Factor :	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
12674-11-2	PCB-1016	1.0	U
11104-28-2	PCB-1221	1.0	U
11141-16-5	PCB-1232	1.0	U
53469-21-9	PCB-1242	1.0	U
12672-29-6	PCB-1248	1.0	U
11097-69-1	PCB-1254	1.0	U
11096-82-5	PCB-1260	1.0	U

Surrogate Recovery Summary

Matrix : WATER **Analytical Method : SW8082** **SDG No : 503077**

Surrogate	CL10BZ2	XYL2456CLM
Lower QC Limits	16	21
Upper QC Limits	148	129
Sample ID		
BKS74624	84	82
	81	79
BLK74624	81	84
	83	82
SW-1-031705	24	64
	24	62
SW-2-031705	45	77
	46	83
SW-3-031705	48	86
	46	70
SW-3-031705MS	51	75
	48	74
SW-3-031705MSD	49	83
	48	78
SW-4-031705	49	71
	52	78
SW-5-031705	38	58
	40	64
SW-6-031705	51	82
	52	89
SW-7-031705	38	64
	37	55

1 of 1

Value outside of QC Limts

CL10BZ2 = Decachlorobiphenyl XYL2456CLM = Tetrachloro-m-xylene

GPL Laboratories

LCS SUMMARY

SAMPLE NO
BKS74624

Lab Name : GPL Laboratories
Lab Code : GPL
Matrix : WATER
Method : SW8082

Contract. : Middle River
SDG NO : 503077
Lab Sample ID : BKS74624
Analysis Date : 04/05/2005

COMPOUND	SPIKE ADDED (ug/L)	BLANK CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMTS
PCB-1016	5	0	4.9	99	58-151
PCB-1260	5	0	4.6	91	64-158

* Values Outside of QC Limits.

Spike recovery : 0 out of 2 outside limits

SW8082

GPL Laboratories

MS/MSD RECOVERY

SAMPLE NO
SW-3-031705MSD

Lab Name : GPL Laboratories SDG NO : 503077 Method : SW8082

Lab Code : GPL Lab Sample ID : 503077-014-081-1/5MSD Matrix : WATER Analysis Date : 04/05/2005

Compound	Spike Added (ug/L)		CONCENTRATION (ug/L)			%RECOVERY		% RPD	RPD Limit	QC Limits
	MS	MSD	Sample	MS	MSD	MS	MSD			
PCB-1016	5.3	5.3	0	6.6	6.8	125	128	2	20	47-161
PCB-1260	5.3	5.3	0	3.4	3.4	64	65	2	20	54-168

Column to be used to flag recovery and RPD Values with an asterisk.

* Values Outside of QC Limits.

RPD 0 Out of 2 Outside Limit
Spike Recovery : 0 Out of 4 outside limit

TETRA TECH NUS, INC. **CALCULATION WORKSHEET** PAGE _____ OF _____

CLIENT Lockheed Middle River	JOB NUMBER Job-00076 SDG-50377
SUBJECT Sample Calculation	
BASED ON	DRAWING NUMBER
BY Bernard F Spadaro	CHECKED BY / APPROVED BY / DATE 5/20/05

Sample SD-3-031705 Aroclor 1260 = 53 ug/kg

$$\text{Peak 1} = \frac{(25511588\ \text{area})}{(2\times10^{5}\ \text{area/ng/mL})} = 127.56\ \text{ng/mL}$$

$$\text{Average} = \frac{127.56 + 221.12 + 117.85 + 108.88 + 97.29}{5}$$

$$= 134.54\ \text{ng/mL}$$

$$\frac{(134\ \text{ng/mL})(10\ \text{mL})}{(30\ \text{g})(0.8462)} = 53.0\ \text{ng/g} = \text{ug/kg}$$

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SD-3-031705

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	503077
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	503077-017-096-1/1
Sample Volume :	30	Lab File ID :	U018668.D
% Moisture:	15.38	Date Received	03/17/2005
Extraction:	SW3550	Date Extracted:	03/25/2005
Extract Volume:	10 mL	Date Analyzed	03/30/2005
Injection Volume :	1 µL	Dilution Factor :	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
12674-11-2	PCB-1016	39	U
11104-28-2	PCB-1221	39	U
11141-16-5	PCB-1232	39	U
53469-21-9	PCB-1242	39	U
12672-29-6	PCB-1248	39	U
11097-69-1	PCB-1254	39	U
11096-82-5	PCB-1260	53	

Quantitation Report (QT Reviewed)

Signal #1 : H:\GCDATA\U\033005\U018668.D\ECD1A.CH Vial: 9
Signal #2 : H:\GCDATA\U\033005\U018668.D\ECD2B.CH
Acq On : 3-30-05 21:51:49 Operator: IOE
Sample : 503077-017-096-1/1 Inst : Instrumen
Misc : SD-3-031705- 8082-S Multiplr: 1.00
IntFile Signal #1: autoint1.e IntFile Signal #2: autoint2.e
Quant Time: Apr 1 14:21 2005 Quant Results File: 020805U.RES

Quant Method : H:\GCDATA\METHODS\U_ICAL\020805U.M (Chemstation Integrator)
Title : 8082_PCB_Method
Last Update : Fri Feb 11 12:09:01 2005
Response via : Initial Calibration
DataAcq Meth : PEST32UT.M

Volume Inj. : 1.0uL
Signal #1 Phase : RTx-CLP Signal #2 Phase: RTx-CLP2
Signal #1 Info : 0.32 Signal #2 Info : 0.32

Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
System Monitoring Compounds						
1) S Tetrachloro-m-xy	7.53f	6.07	70154633	667.1E6	18.373m	18.614m
Spiked Amount 20.000	Range 30 - 150		Recovery =		91.87%	93.07%
2) S Decachlorobiphen	22.10f	21.45	65270608	946.3E6	13.700m	19.510m#
Spiked Amount 20.000	Range 30 - 150		Recovery =		68.50%	97.55%
Target Compounds						
Sum AR1016			0	0	N.D.	N.D.
Average AR1016					0.000	0.000
Sum AR1221			0	0	N.D.	N.D.
Average AR1221					0.000	0.000
Sum AR1232			0	0	N.D.	N.D.
Average AR1232					0.000	0.000
Sum AR1242			0	0	N.D.	N.D.
Average AR1242					0.000	0.000
Sum AR1248			0	0	N.D.	N.D.
Average AR1248					0.000	0.000
Sum AR1254			0	0	N.D.	N.D.
Average AR1254					0.000	0.000
31) L7 AR1260	16.04f	15.06	25511588	188.6E6	127.539m	95.632m#
32) L7 AR1260 {2}	16.88f	15.61	71373737	527.7E6	221.124	214.595m
33) L7 AR1260 {3}	17.99f	16.96	19114632	235.6E6	117.846m	150.323m#
34) L7 AR1260 {4}	19.24	17.82	43419282	165.4E6	108.876m	96.832m
35) L7 AR1260 {5}	19.79	19.18	21542206	322.2E6	97.290m	113.105m
Sum AR1260			181.0E6	1439.4E6	672.675	670.487
Average AR1260					134.535	134.097
Sum AR1268			0	0	N.D.	N.D.
Average AR1268					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Response Factor Report Instrumen

Method : H:\GCDATA\METHODS\U_ICAL\020805U.M (Chemstation Integrator)
Title : 8082_PCB_Method
Last Update : Fri Feb 11 12:09:01 2005

Calibration Files
P005 =U018144.D P025 =U018143.D P050 =U018142.D
P075 =U018141.D P100 =U018140.D P001 =U018070.D

		Compound	P005	P025	P050	P075	P100	P001 Avg	%RSD
1)	S	Tetrachloro-m-xylen	3.682	4.136	3.755	3.728	3.791	3.818 E6	4.77
2)	S	Decachlorobiphenyl	5.242	4.892	4.632	4.518	4.538	4.764 E6	6.41
3)	L1	AR1016	1.720	1.527	1.442	1.363	1.366	1.484 E5	10.00
4)	L1	AR1016 {2}	1.232	1.084	1.036	0.976	1.015	1.069 E5	9.29
5)	L1	AR1016 {3}	9.114	8.671	8.344	8.251	8.085	8.493 E4	4.80
6)	L1	AR1016 {4}	1.100	0.962	0.912	0.871	0.893	0.948 E5	9.68
7)	L1	AR1016 {5}	7.428	6.834	6.398	6.181	6.091	6.586 E4	8.36
8)	L2	AR1221			4.926			4.926 E4	0.00
9)	L2	AR1221 {2}			2.913			2.913 E4	0.00
10)	L2	AR1221 {3}			1.003			1.003 E5	0.00
11)	L3	AR1232			1.699			1.699 E4	0.00
12)	L3	AR1232 {2}			3.070			3.070 E4	0.00
13)	L3	AR1232 {3}			8.378			8.378 E4	0.00
14)	L3	AR1232 {4}			2.840			2.840 E4	0.00
15)	L3	AR1232 {5}			2.016			2.016 E4	0.00
16)	L4	AR1242			9.707			9.707 E4	0.00
17)	L4	AR1242 {2}			5.550			5.550 E4	0.00
18)	L4	AR1242 {3}			7.477			7.477 E4	0.00
19)	L4	AR1242 {4}			4.747			4.747 E4	0.00
20)	L4	AR1242 {5}			4.843			4.843 E4	0.00
21)	L5	AR1248			8.607			8.607 E4	0.00
22)	L5	AR1248 {2}			9.445			9.445 E4	0.00
23)	L5	AR1248 {3}			3.165			3.165 E4	0.00
24)	L5	AR1248 {4}			4.754			4.754 E4	0.00
25)	L5	AR1248 {5}			8.326			8.326 E4	0.00
26)	L6	AR1254			9.450			9.450 E4	0.00
27)	L6	AR1254 {2}			2.305			2.305 E5	0.00
28)	L6	AR1254 {3}			1.384			1.384 E5	0.00
29)	L6	AR1254 {4}			1.927			1.927 E5	0.00
30)	L6	AR1254 {5}			1.025			1.025 E5	0.00
31)	L7	AR1260	2.251	2.070	1.933	1.872	1.875	2.000 E5	8.08
32)	L7	AR1260 {2}	3.581	3.323	3.114	3.051	3.071	3.228 E5	6.97
33)	L7	AR1260 {3}	1.794	1.646	1.570	1.543	1.558	1.622 E5	6.42
34)	L7	AR1260 {4}	4.146	4.030	3.900	3.871	3.993	3.988 E5	2.75
35)	L7	AR1260 {5}	2.304	2.254	2.289	2.102	2.123	2.214 E5	4.29
36)	L8	AR1268			1.610			1.610 E5	0.00
37)	L8	AR1268 {2}			6.277			6.277 E5	0.00
38)	L8	AR1268 {3}			6.969			6.969 E5	0.00
39)	L8	AR1268 {4}			5.153			5.153 E5	0.00
40)	L8	AR1268 {5}			1.434			1.434 E6	0.00

f) = Out of Range

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**B. BRODERSEN**	**DATE:**	**JUNE 9, 2005**
FROM:	**ETHAN G. LEE**	**COPIES:**	**DV FILE**

SUBJECT: **INORGANIC DATA VALIDATION – METALS AND HEXAVALENT CHROMIUM**
LOCKHEED MIDDLE RIVER
SAMPLE DELIVERY GROUP (SDG) – 503077

SAMPLES: 3/SEDIMENT/

SD-04-031705	SD-1-031705	SD-3-031705

7/AQUEOUS/

SW-1-031705	SW-2-031705	SW-3-031705
SW-4-031705	SW-5-031705	SW-6-031705
SW-7-031705		

Overview

The sample set for SDG 503077, Lockheed Middle River, consists of three (3) sediment and seven (7) aqueous environmental samples.

The sediment samples were analyzed for select metals (antimony, arsenic, beryllium, cadmium, chromium, copper, lead, mercury, nickel, selenium, silver, thallium, zinc) and hexavalent chromium. The aqueous samples were analyzed for total and dissolved select metals (antimony, arsenic, beryllium, cadmium, chromium, copper, lead, mercury, nickel, selenium, silver, thallium, zinc) and hexavalent chromium. The samples were collected by Tetra Tech NUS on March 17, 2005 and analyzed by GPL Laboratories, LLLP. Sediment metals analyses except mercury were conducted using SW-846 method 6010B. Aqueous metals analyses except mercury were conducted using SW-846 method 6020. Sediment mercury analyses were conducted using SW-846 method 7471A. Aqueous mercury analyses were conducted using SW-846 method 7470A. Hexavalent chromium analyses were conducted using SW-846 method 7196A.

Summary

All analytes were successfully analyzed. The findings offered in this report are based upon a general review of all available data. The data review was based on data completeness, holding times, calibration data, laboratory method/preparation blanks, matrix spike results, post digestion spike (PDS) results, laboratory duplicate results, laboratory control sample (LCS) results, ICP serial dilution results, detection limits and analyte quantitation.

Sediment metals analyses except mercury were conducted using Inductively Couple Plasma (ICP) methodology. Aqueous metals analyses except mercury were conducted using Inductively Coupled Plasma Mass Spectrometry (ICP-MS) methodology. Mercury analyses were conducted using Cold Vapor Atomic Absorption (CVAA) methodology.

Areas of concern with respect to data quality are listed below.

Minor Problems

- The reporting limit (RL) standard run on 3/23/05 at 6:27 PM had percent a recovery %R >110% for selenium. The positive result reported for selenium <2X the RL was qualified as biased high (K) in sample SD-3-031705.

- The RL standard run on 3/24/05 at 2:48 PM had a %R <90% for thallium. The nondetected result reported for thallium was qualified as biased low (UL) in sample SD-04-031705.

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

Analyte	Maximum Concentration	Aqueous Action Level	Solid Action Level
Antimony[1]	4.0 ug/L	NA	2.0 mg/kg
Beryllium[1]	0.2 ug/L	NA	0.1 mg/kg
Cadmium[1]	0.5 ug/L	NA	0.25 mg/kg
Chromium[2]	0.057 mg/kg	NA	0.285 mg/kg
Chromium[3]	0.18 ug/L	0.9 ug/L	NA
Copper[1]	1.3 ug/L	NA	0.65 mg/kg
Copper[4]	1.9 ug/L	9.5 ug/L	NA
Lead[2]	0.28 mg/kg	NA	1.4 mg/kg
Lead[4]	0.74 ug/L	3.7 ug/L	NA
Nickel[1]	1.5 ug/L	NA	0.75 mg/kg
Nickel[3]	0.091 ug/L	0.455 ug/L	NA
Silver[3]	0.035 ug/L	0.175 ug/L	NA
Thallium[3]	0.7 ug/L	3.5 ug/L	NA
Zinc[4]	1.8 ug/L	9.0 ug/L	NA

[1] Maximum concentration present in sediment calibration blank.
[2] Maximum concentration present in sediment preparation blank from batch 74546.
[3] Maximum concentration present in aqueous calibration blank.
[4] Maximum concentration present in aqueous preparation blank from batch 74543.

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. For the sediment samples, positive results below the action level for antimony were qualified (B) as a result of blank contamination. For the aqueous samples, positive results below the action level for copper, lead, silver, thallium, and zinc were qualified (B) as a result of blank contamination. The remaining analytes were not qualified for blank contamination because the results were either above the action level or they were nondetects.

- The total metals aqueous laboratory duplicate performed on sample SW-3-031705 had imprecision (Difference >RL) for copper. Positive results reported for copper were qualified as estimated (J) for total metals aqueous samples only.

- The total metals aqueous ICP serial dilution performed on sample SW-3-031705 had percent differences (%Ds) >10% and initial sample concentrations >50X the instrument detection limit (IDL) for copper, nickel, and zinc. Positive results reported for copper, nickel, and zinc were qualified as estimated (J) in the total metals aqueous samples only.

Notes

The original data package submittal from the laboratory was missing calibration data, blank data, preparation data, the instrument run log, and raw data. The data reviewer contacted the laboratory and the missing data were submitted.

The RL standard run on 3/23/05 at 6:27 PM had %Rs <90% for chromium and >110% for lead. No qualification action was required for chromium and lead because the results were >2X the RL.

The PQL standard run on 4/4/05 at 2:39 PM had %Rs <90% for chromium and copper. No qualification action was required on this basis.

Dilutions were performed for chromium, lead, selenium, silver, and thallium in sample SD-04-031705.

The soil matrix spike (MS) performed on sample 203-SS-804-EW-2 had %Rs <75% for antimony, beryllium, and chromium. No qualification action was required because this sample was not included in this SDG.

The soil laboratory duplicate performed on sample 203-SS-805-EW-2 had imprecision (RPD >35%) for beryllium. No qualification action was required because this sample was not included in this SDG.

The filtered silver result in sample SW-1-031705 is approximately 10X greater than in the total fraction. No action was taken. This item is noted for completeness.

Executive Summary

Laboratory Performance: Several analytes were qualified due to calibration noncompliance. Several analytes were present in the laboratory method/preparation blanks. Copper was qualified due to laboratory duplicate imprecision.

Other Factors Affecting Data Quality: Several analytes were qualified due to ICP serial dilution noncompliance.

The data for these analyses were reviewed with reference to the "National Functional Guidelines for Inorganic Data Validation", April 1993 as amended for use within USEPA Region III.

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

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

Data Qualifier Key:

U	-	Value is a nondetect as reported by the laboratory.
UL	-	Nondetected result is considered biased low as a result of technical noncompliance.
B	-	Positive result is considered to be an artifact of blank contamination and should not be considered present.
J	-	Positive result is considered estimated as a result of technical noncompliance.

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: 00076

SDG: 503077 MEDIA: WATER DATA FRACTION: M

nsample	SW-1-031705
samp_date	3/17/2005
lab_id	503077-002
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANTIMONY	0.21		
ARSENIC	0.69		
BERYLLIUM	0.17		
CADMIUM	0.024	U	
CHROMIUM	0.059	U	
COPPER	2.5	B	A
LEAD	0.94	B	A
MERCURY	0.1	U	
NICKEL	6.7	J	I
SELENIUM	0.15	U	
SILVER	0.042	B	A
THALLIUM	0.28	B	A
ZINC	23.6	J	I

nsample	SW-2-031705
samp_date	3/17/2005
lab_id	503077-004
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANTIMONY	0.12		
ARSENIC	0.54		
BERYLLIUM	0.0083		
CADMIUM	0.024	U	
CHROMIUM	0.059	U	
COPPER	2.2	B	A
LEAD	0.99	B	A
MERCURY	0.1	U	
NICKEL	1.8	J	I
SELENIUM	0.71		
SILVER	0.026	B	A
THALLIUM	0.14	B	A
ZINC	6.6	B	A

nsample	SW-3-031705
samp_date	3/17/2005
lab_id	503077-014
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANTIMONY	0.089		
ARSENIC	0.89		
BERYLLIUM	0.088		
CADMIUM	0.33		
CHROMIUM	1.4		
COPPER	29.2	J	FI
LEAD	1.7	B	A
MERCURY	0.1	U	
NICKEL	2.8	J	I
SELENIUM	1.8		
SILVER	0.04	B	A
THALLIUM	0.075	U	
ZINC	12	J	I

PROJ_NO: 00076

SDG: 503077 MEDIA: WATER DATA FRACTION: M

nsample	SW-4-031705
samp_date	3/17/2005
lab_id	503077-012
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANTIMONY	0.085	U	
ARSENIC	0.77		
BERYLLIUM	0.13		
CADMIUM	0.12		
CHROMIUM	0.059	U	
COPPER	2.3	B	A
LEAD	0.73	B	A
MERCURY	0.1	U	
NICKEL	2	J	I
SELENIUM	2.2		
SILVER	0.046	B	A
THALLIUM	0.075	U	
ZINC	6.5	B	A

nsample	SW-5-031705
samp_date	3/17/2005
lab_id	503077-010
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANTIMONY	0.085	U	
ARSENIC	0.74		
BERYLLIUM	0.047		
CADMIUM	0.056		
CHROMIUM	0.059	U	
COPPER	19.7	J	FI
LEAD	0.7	B	A
MERCURY	0.1	U	
NICKEL	1.8	J	I
SELENIUM	1.4		
SILVER	0.15	B	A
THALLIUM	0.075	U	
ZINC	10.5	J	I

nsample	SW-6-031705
samp_date	3/17/2005
lab_id	503077-008
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANTIMONY	0.085	U	
ARSENIC	0.57		
BERYLLIUM	0.053		
CADMIUM	0.052		
CHROMIUM	0.059	U	
COPPER	2.2	B	A
LEAD	0.88	B	A
MERCURY	0.1	U	
NICKEL	1.9	J	I
SELENIUM	1.5		
SILVER	0.034	B	A
THALLIUM	0.075	U	
ZINC	8.2	B	A

PROJ_NO: 00076

SDG: 503077 MEDIA: WATER DATA FRACTION: M

nsample	SW-7-031705
samp_date	3/17/2005
lab_id	503077-006
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANTIMONY	0.085	U	
ARSENIC	0.81		
BERYLLIUM	0.028		
CADMIUM	0.024	U	
CHROMIUM	0.059	U	
COPPER	2	B	A
LEAD	0.76	B	A
MERCURY	0.1	U	
NICKEL	2.1	J	I
SELENIUM	0.62		
SILVER	0.023	B	A
THALLIUM	0.075	U	
ZINC	8.3	B	A

PROJ_NO: 00076

SDG: 503077 MEDIA: WATER DATA FRACTION: MF

nsample	SW-1-031705
samp_date	3/17/2005
lab_id	503077-003FIL
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANTIMONY	0.085	U	
ARSENIC	0.48		
BERYLLIUM	0.089		
CADMIUM	0.024	U	
CHROMIUM	0.059	U	
COPPER	1.8	B	A
LEAD	0.34	B	A
MERCURY	0.1	U	
NICKEL	6.8		
SELENIUM	0.15	U	
SILVER	0.25		
THALLIUM	0.075	U	
ZINC	20.3		

nsample	SW-2-031705
samp_date	3/17/2005
lab_id	503077-005FIL
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANTIMONY	0.085	U	
ARSENIC	0.47		
BERYLLIUM	0.0047	U	
CADMIUM	0.024	U	
CHROMIUM	0.059	U	
COPPER	1.9	B	A
LEAD	0.4	B	A
MERCURY	0.1	U	
NICKEL	1.7		
SELENIUM	0.79		
SILVER	0.022	B	A
THALLIUM	0.075	U	
ZINC	5	B	A

nsample	SW-3-031705
samp_date	3/17/2005
lab_id	503077-015FIL
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANTIMONY	0.16		
ARSENIC	0.96		
BERYLLIUM	0.027		
CADMIUM	0.13		
CHROMIUM	0.059	U	
COPPER	1.5	B	A
LEAD	0.35	B	A
MERCURY	0.1	U	
NICKEL	2.5		
SELENIUM	1.4		
SILVER	0.019	B	A
THALLIUM	0.075	U	
ZINC	5.9	B	A

PROJ_NO: 00076

SDG: 503077 MEDIA: WATER DATA FRACTION: MF

nsample	SW-4-031705
samp_date	3/17/2005
lab_id	503077-013FIL
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANTIMONY	0.085	U	
ARSENIC	0.28		
BERYLLIUM	0.011		
CADMIUM	0.024	U	
CHROMIUM	0.059	U	
COPPER	1.6	B	A
LEAD	0.42	B	A
MERCURY	0.1	U	
NICKEL	1.8		
SELENIUM	1.1		
SILVER	0.022	B	A
THALLIUM	0.075	U	
ZINC	4.4	B	A

nsample	SW-5-031705
samp_date	3/17/2005
lab_id	503077-011FIL
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANTIMONY	0.085	U	
ARSENIC	0.77		
BERYLLIUM	0.16		
CADMIUM	0.13		
CHROMIUM	0.059	U	
COPPER	2.1	B	A
LEAD	0.36	B	A
MERCURY	0.1	U	
NICKEL	1.9		
SELENIUM	2.5		
SILVER	0.051	B	A
THALLIUM	0.075	U	
ZINC	7.5	B	A

nsample	SW-6-031705
samp_date	3/17/2005
lab_id	503077-009FIL
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANTIMONY	0.085	U	
ARSENIC	0.53		
BERYLLIUM	0.02		
CADMIUM	0.024	U	
CHROMIUM	0.059	U	
COPPER	1.9	B	A
LEAD	0.28	B	A
MERCURY	0.1	U	
NICKEL	2		
SELENIUM	0.91		
SILVER	0.026	B	A
THALLIUM	0.075	U	
ZINC	5.1	B	A

PROJ_NO: 00076

SDG: 503077 MEDIA: WATER DATA FRACTION: MF

nsample	SW-7-031705
samp_date	3/17/2005
lab_id	503077-007FIL
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANTIMONY	0.085	U	
ARSENIC	0.82		
BERYLLIUM	0.036		
CADMIUM	0.024	U	
CHROMIUM	0.059	U	
COPPER	1.8	B	A
LEAD	1	B	A
MERCURY	0.1	U	
NICKEL	2.1		
SELENIUM	1.3		
SILVER	0.049	B	A
THALLIUM	0.075	U	
ZINC	6.6	B	A

PROJ_NO: 00076

SDG: 503077 MEDIA: SOIL DATA FRACTION: M

nsample	SD-04-031705	nsample	SD-1-031705	nsample	SD-3-031705
samp_date	3/17/2005	samp_date	3/17/2005	samp_date	3/17/2005
lab_id	503077-018	lab_id	503077-016	lab_id	503077-017
qc_type	NM	qc_type	NM	qc_type	NM
units	MG/KG	units	MG/KG	units	MG/KG
Pct_Solids	72.0	Pct_Solids	81.0	Pct_Solids	85.0
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANTIMONY	4.6		
ARSENIC	3.3		
BERYLLIUM	0.77		
CADMIUM	20.5		
CHROMIUM	113		
COPPER	25		
LEAD	140		
MERCURY	0.027		
NICKEL	17.2		
SELENIUM	1	U	
SILVER	0.21	U	
THALLIUM	0.62	UL	C
ZINC	276		

Parameter	Result	Val Qual	Qual Code
ANTIMONY	0.54	B	A
ARSENIC	2.6		
BERYLLIUM	1.2		
CADMIUM	0.47		
CHROMIUM	90.9		
COPPER	12		
LEAD	151		
MERCURY	0.71		
NICKEL	69.4		
SELENIUM	0.48	U	
SILVER	0.097	U	
THALLIUM	0.29	U	
ZINC	80		

Parameter	Result	Val Qual	Qual Code
ANTIMONY	0.94	B	A
ARSENIC	2.1		
BERYLLIUM	1		
CADMIUM	0.42		
CHROMIUM	103		
COPPER	14.9		
LEAD	90.2		
MERCURY	0.016	U	
NICKEL	51.5		
SELENIUM	1.6	K	C
SILVER	0.092	U	
THALLIUM	0.28	U	
ZINC	54.7		

PROJ_NO: 00076

SDG: 503077 MEDIA: SOIL DATA FRACTION: MISC

nsample	SD-04-031705
samp_date	3/17/2005
lab_id	503077-018
qc_type	NM
Pct_Solids	72.0
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
HEXAVALENT CHROMIUM	MG/KG	0.53	U	
PERCENT SOLIDS	%	72		

nsample	SD-1-031705
samp_date	3/17/2005
lab_id	503077-016
qc_type	NM
Pct_Solids	81.0
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
HEXAVALENT CHROMIUM	MG/KG	0.49	U	
PERCENT SOLIDS	%	81		

nsample	SD-3-031705
samp_date	3/17/2005
lab_id	503077-017
qc_type	NM
Pct_Solids	85.0
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
HEXAVALENT CHROMIUM	MG/KG	0.44	U	
PERCENT SOLIDS	%	85		

PROJ_NO: 00076

SDG: 503077 MEDIA: WATER DATA FRACTION: MISC

nsample	SW-1-031705
samp_date	3/17/2005
lab_id	503077-002
qc_type	NM
Pct_Solids	
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
HEXAVALENT CHROMIUM	MG/L	0.01	U	

nsample	SW-2-031705
samp_date	3/17/2005
lab_id	503077-004
qc_type	NM
Pct_Solids	
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
HEXAVALENT CHROMIUM	MG/L	0.01	U	

nsample	SW-3-031705
samp_date	3/17/2005
lab_id	503077-014
qc_type	NM
Pct_Solids	
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
HEXAVALENT CHROMIUM	MG/L	0.01	U	

PROJ_NO: 00076

SDG: 503077 MEDIA: WATER DATA FRACTION: MISC

nsample	SW-4-031705
samp_date	3/17/2005
lab_id	503077-012
qc_type	NM
Pct_Solids	
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
HEXAVALENT CHROMIUM	MG/L	0.01	U	

nsample	SW-5-031705
samp_date	3/17/2005
lab_id	503077-010
qc_type	NM
Pct_Solids	
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
HEXAVALENT CHROMIUM	MG/L	0.01	U	

nsample	SW-6-031705
samp_date	3/17/2005
lab_id	503077-008
qc_type	NM
Pct_Solids	
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
HEXAVALENT CHROMIUM	MG/L	0.01	U	

PROJ_NO: 00076

SDG: 503077 MEDIA: WATER DATA FRACTION: MISC

nsample	SW-7-031705
samp_date	3/17/2005
lab_id	503077-006
qc_type	NM
Pct_Solids	
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
HEXAVALENT CHROMIUM	MG/L	0.01	U	

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

GPL - Maryland Laboratory

Metals Data Reporting Form

Sample Results **SDG:** 503077S

Lab Sample ID: S 503077-018-100-1/1 **Client ID:** SD-04-031705

Matrix: Soil **Units:** mg/kg **Prep Date:** 3/23/05 **Prep Batch:** 74546

Weight: 1.73 **Volume:** 100 **Percent Moisture:** 27.86

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Antimony	**206.84**	**0.26**	**1.6**	**4.6**	**N**	**1**	**ICPST**	**3/24/05**	**5:50**
Arsenic	**189.04**	**0.30**	**1.6**	**3.3**	*	**1**	**ICPST**	**3/24/05**	**5:50**
Beryllium	**313.04**	**0.010**	**0.16**	**0.77**	**N***	**1**	**ICPST**	**3/24/05**	**5:50**
Cadmium	**226.50**	**0.028**	**0.48**	**20.5**		**1**	**ICPST**	**3/24/05**	**5:50**
Chromium	**267.72**	**0.074**	**0.80**	**113**	**N***	**2**	**ICPST**	**3/24/05**	**16:01**
Copper	**324.75**	**0.071**	**0.80**	**25.0**		**1**	**ICPST**	**3/24/05**	**5:50**
Lead	**220.35**	**0.21**	**1.6**	**140**		**2**	**ICPST**	**3/24/05**	**16:01**
Nickel	**231.60**	**0.049**	**0.80**	**17.2**		**1**	**ICPST**	**3/24/05**	**5:50**
Selenium	196.03	1.0	3.2	1.0	U	2	ICPST	3/24/05	16:01
Silver	328.07	0.21	0.48	0.21	U	2	ICPST	3/24/05	16:01
Thallium	190.86	0.62	4.8	0.62	U	2	ICPST	3/24/05	16:01
Zinc	**206.2**	**0.46**	**1.6**	**276**		**1**	**ICPST**	**3/24/05**	**5:50**

Comments: Sample Date: 03/17/05 Sample Time: 12:30 PM Color(Before): BROWN Color(After): YELLOW Clarity(After): CLEAR Texture: MEDIUM

5.11.0

U Result is less than the IDL

B Result is between IDL and RL

Form I Equivalent

GPL - Maryland Laboratory

Metals Data Reporting Form

Sample Results **SDG:** 503077S

Lab Sample ID: S 503077-018-100-1/1 **Client ID:** SD-04-031705

Matrix: Soil **Units:** mg/kg **Prep Date:** 3/24/05 **Prep Batch:** 74552

Weight: 0.71 **Volume:** 100 **Percent Moisture:** 27.86

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Mercury	**253.7**	**0.020**	**0.039**	**0.027**	**B***	**1**	**CVAA**	**3/31/05**	**11:52**

Comments: Sample Date: 03/17/05 Sample Time: 12:30 PM Color(Before): BLACK Color(After): YELLOW Clarity(After): CLEAR Texture: FINE

5.11.0

U Result is less than the IDL

B Result is between IDL and RL

Form I Equivalent

GPL - Maryland Laboratory

Metals Data Reporting Form

Sample Results **SDG:** 503077S

Lab Sample ID: S 503077-016-098-1/1 **Client ID:** SD-1-031705

Matrix: Soil **Units:** mg/kg **Prep Date:** 3/23/05 **Prep Batch:** 74546

Weight: 1.64 **Volume:** 100 **Percent Moisture:** 18.69

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Antimony	**206.84**	**0.25**	**1.5**	**0.54**	**BN**	**1**	**ICPST**	**3/24/05**	**5:34**
Arsenic	**189.04**	**0.28**	**1.5**	**2.6**	*****	**1**	**ICPST**	**3/24/05**	**5:34**
Beryllium	**313.04**	**0.0097**	**0.15**	**1.2**	**N***	**1**	**ICPST**	**3/24/05**	**5:34**
Cadmium	**226.50**	**0.026**	**0.45**	**0.47**		**1**	**ICPST**	**3/24/05**	**5:34**
Chromium	**267.72**	**0.034**	**0.37**	**90.9**	**N***	**1**	**ICPST**	**3/24/05**	**5:34**
Copper	**324.75**	**0.066**	**0.75**	**12.0**		**1**	**ICPST**	**3/24/05**	**5:34**
Lead	**220.35**	**0.097**	**0.75**	**151**		**1**	**ICPST**	**3/24/05**	**5:34**
Nickel	**231.60**	**0.046**	**0.75**	**69.4**		**1**	**ICPST**	**3/24/05**	**5:34**
Selenium	196.03	0.48	1.5	0.48	U	1	ICPST	3/24/05	5:34
Silver	328.07	0.097	0.22	0.097	U	1	ICPST	3/24/05	5:34
Thallium	190.86	0.29	2.2	0.29	U	1	ICPST	3/24/05	5:34
Zinc	**206.2**	**0.43**	**1.5**	**80.0**		**1**	**ICPST**	**3/24/05**	**5:34**

Comments: Sample Date: 03/17/05 Sample Time: 09:30 AM Color(Before): BROWN Color(After): YELLOW Clarity(After): CLEAR Texture: MEDIUM

5.11.0

U Result is less than the IDL

B Result is between IDL and RL

Form I Equivalent

GPL - Maryland Laboratory

Metals Data Reporting Form

Sample Results **SDG:** 503077S

Lab Sample ID: S 503077-016-098-1/1 **Client ID:** SD-1-031705

Matrix: Soil **Units:** mg/kg **Prep Date:** 3/24/05 **Prep Batch:** 74552

Weight: 0.70 **Volume:** 100 **Percent Moisture:** 18.69

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Mercury	253.7	0.018	0.035	0.71	*	1	CVAA	3/31/05	11:48

Comments: Sample Date: 03/17/05 Sample Time: 09:30 AM Color(Before): BLACK Color(After): YELLOW Clarity(After): CLEAR Texture: FINE

5.11.0

U Result is less than the IDL

B Result is between IDL and RL

Form 1 Equivalent

GPL - Maryland Laboratory

Metals Data Reporting Form

Sample Results **SDG:** 503077S

Lab Sample ID: S 503077-017-099-1/1 **Client ID:** SD-3-031705

Matrix: Soil **Units:** mg/kg **Prep Date:** 3/23/05 **Prep Batch:** 74546

Weight: 1.67 **Volume:** 100 **Percent Moisture:** 15.38

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Antimony	**206.84**	**0.23**	**1.4**	**0.94**	**BN**	**1**	**ICPST**	**3/24/05**	**5:42**
Arsenic	**189.04**	**0.27**	**1.4**	**2.1**	*****	**1**	**ICPST**	**3/24/05**	**5:42**
Beryllium	**313.04**	**0.0092**	**0.14**	**1.0**	**N***	**1**	**ICPST**	**3/24/05**	**5:42**
Cadmium	**226.50**	**0.025**	**0.42**	**0.42**	**B**	**1**	**ICPST**	**3/24/05**	**5:42**
Chromium	**267.72**	**0.033**	**0.35**	**103**	**N***	**1**	**ICPST**	**3/24/05**	**5:42**
Copper	**324.75**	**0.062**	**0.71**	**14.9**		**1**	**ICPST**	**3/24/05**	**5:42**
Lead	**220.35**	**0.092**	**0.71**	**90.2**		**1**	**ICPST**	**3/24/05**	**5:42**
Nickel	**231.60**	**0.043**	**0.71**	**51.5**		**1**	**ICPST**	**3/24/05**	**5:42**
Selenium	**196.03**	**0.45**	**1.4**	**1.6**		**1**	**ICPST**	**3/24/05**	**5:42**
Silver	328.07	0.092	0.21	0.092	U	1	ICPST	3/24/05	5:42
Thallium	190.86	0.28	2.1	0.28	U	1	ICPST	3/24/05	5:42
Zinc	**206.2**	**0.40**	**1.4**	**54.7**		**1**	**ICPST**	**3/24/05**	**5:42**

Comments: Sample Date: 03/17/05 Sample Time: 10:10 AM Color(Before): BROWN Color(After): YELLOW Clarity(After): CLEAR Texture: MEDIUM

5.11.0

U Result is less than the IDL

B Result is between IDL and RL

Form 1 Equivalent

GPL - Maryland Laboratory

Metals Data Reporting Form

Sample Results **SDG:** 503077S

Lab Sample ID: S 503077-017-099-1/1 **Client ID:** SD-3-031705

Matrix: Soil **Units:** mg/kg **Prep Date:** 3/24/05 **Prep Batch:** 74552

Weight: 0.74 **Volume:** 100 **Percent Moisture:** 15.38

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Mercury	253.7	0.016	0.032	0.016	U*	1	CVAA	3/31/05	11:50

Comments: Sample Date: 03/17/05 Sample Time: 10:10 AM Color(Before): BLACK Color(After): YELLOW Clarity(After): CLEAR Texture: FINE

5.11.0

U Result is less than the IDL

B Result is between IDL and RL

Form I Equivalent

GPL - Maryland Laboratory

Metals Data Reporting Form

Sample Results **SDG:** 503077W

Lab Sample ID: S 503077-002-042-1/1 **Client ID:** SW-1-031705

Matrix: Water **Units:** ug/L **Prep Date:** 3/23/05 **Prep Batch:** 74543

Weight: 100.00 **Volume:** 100 **Percent Moisture:** NA

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Antimony	**121**	**0.085**	**1.0**	**0.21**	**B**	**1**	**ICPMS**	**4/4/05**	**18:49**
Arsenic	**75**	**0.24**	**5.0**	**0.69**	**B**	**1**	**ICPMS**	**4/4/05**	**18:49**
Beryllium	**9**	**0.0047**	**0.20**	**0.17**	**B**	**1**	**ICPMS**	**4/4/05**	**18:49**
Cadmium	110	0.024	0.50	0.024	U	1	ICPMS	4/4/05	18:49
Chromium	52	0.059	2.0	0.059	U	1	ICPMS	4/4/05	18:49
Copper	**65**	**0.016**	**2.0**	**2.5**	***E**	**1**	**ICPMS**	**4/4/05**	**18:49**
Lead	**208**	**0.018**	**2.0**	**0.94**	**B**	**1**	**ICPMS**	**4/4/05**	**18:49**
Nickel	**60**	**0.0080**	**1.0**	**6.7**	**E**	**1**	**ICPMS**	**4/4/05**	**18:49**
Selenium	82	0.15	5.0	0.15	U	1	ICPMS	4/4/05	18:49
Silver	**107**	**0.0017**	**0.30**	**0.042**	**B**	**1**	**ICPMS**	**4/4/05**	**18:49**
Thallium	**203**	**0.075**	**2.0**	**0.28**	**B**	**1**	**ICPMS**	**4/4/05**	**18:49**
Zinc	**66**	**0.014**	**10.0**	**23.6**	**E**	**1**	**ICPMS**	**4/4/05**	**18:49**

Comments: Sample Date: 03/17/05 Sample Time: 09:25 AM Color(Before): COLORLESS Color(After): COLORLESS
Clarity(Before): CLEAR Clarity(After): CLEAR

5.11.0

U Result is less than the IDL

B Result is between IDL and RL

Form I Equivalent

GPL - Maryland Laboratory

Metals Data Reporting Form

Sample Results **SDG:** 503077W

Lab Sample ID: S 503077-002-042-1/1 **Client ID:** SW-1-031705

Matrix: Water **Units:** ug/L **Prep Date:** 3/21/05 **Prep Batch:** 74479

Weight: 100.00 **Volume:** 100 **Percent Moisture:** NA

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Mercury	253.7	0.10	0.20	0.10	U	1	CVAA	3/22/05	11:14

Comments: Sample Date: 03/17/05 Sample Time: 09:25 AM Color(Before): BLACK Color(After): YELLOW Clarity(After): CLEAR Texture: FINE

5.11.0

E Serial dilution percent difference not within limits

U Result is less than the IDL

Form 1 Equivalent

GPL - Maryland Laboratory

Metals Data Reporting Form

Sample Results **SDG:** 503077W

Lab Sample ID: S 503077-004-043-1/1 **Client ID:** SW-2-031705

Matrix: Water **Units:** ug/L **Prep Date:** 3/23/05 **Prep Batch:** 74543

Weight: 100.00 **Volume:** 100 **Percent Moisture:** NA

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Antimony	**121**	**0.085**	**1.0**	**0.12**	**B**	**1**	**ICPMS**	**4/4/05**	**19:12**
Arsenic	**75**	**0.24**	**5.0**	**0.54**	**B**	**1**	**ICPMS**	**4/4/05**	**19:12**
Beryllium	**9**	**0.0047**	**0.20**	**0.0083**	**B**	**1**	**ICPMS**	**4/4/05**	**19:12**
Cadmium	110	0.024	0.50	0.024	U	1	ICPMS	4/4/05	19:12
Chromium	52	0.059	2.0	0.059	U	1	ICPMS	4/4/05	19:12
Copper	**65**	**0.016**	**2.0**	**2.2**	***E**	**1**	**ICPMS**	**4/4/05**	**19:12**
Lead	**208**	**0.018**	**2.0**	**0.99**	**B**	**1**	**ICPMS**	**4/4/05**	**19:12**
Nickel	**60**	**0.0080**	**1.0**	**1.8**	**E**	**1**	**ICPMS**	**4/4/05**	**19:12**
Selenium	**82**	**0.15**	**5.0**	**0.71**	**B**	**1**	**ICPMS**	**4/4/05**	**19:12**
Silver	**107**	**0.0017**	**0.30**	**0.026**	**B**	**1**	**ICPMS**	**4/4/05**	**19:12**
Thallium	**203**	**0.075**	**2.0**	**0.14**	**B**	**1**	**ICPMS**	**4/4/05**	**19:12**
Zinc	**66**	**0.014**	**10.0**	**6.6**	**BE**	**1**	**ICPMS**	**4/4/05**	**19:12**

Comments: Sample Date: 03/17/05 Sample Time: 12:27 PM Color(Before): COLORLESS Color(After): COLORLESS
Clarity(Before): CLEAR Clarity(After): CLEAR

5.11.0

U Result is less than the IDL

B Result is between IDL and RL

Form 1 Equivalent

GPL - Maryland Laboratory

Metals Data Reporting Form

Sample Results **SDG:** 503077W

Lab Sample ID: S 503077-004-043-1/1 **Client ID:** SW-2-031705

Matrix: Water **Units:** ug/L **Prep Date:** 3/21/05 **Prep Batch:** 74479

Weight: 100.00 **Volume:** 100 **Percent Moisture:** NA

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Mercury	253.7	0.10	0.20	0.10	U	1	CVAA	3/22/05	11:18

Comments: Sample Date: 03/17/05 Sample Time: 12:27 PM Color(Before): BLACK Color(After): YELLOW Clarity(After): CLEAR Texture: FINE

5.11.0

E Serial dilution percent difference not within limits

U Result is less than the IDL

Form 1 Equivalent

GPL - Maryland Laboratory

Metals Data Reporting Form

Sample Results **SDG:** 503077W

Lab Sample ID: S 503077-014-078-1/3 **Client ID:** SW-3-031705

Matrix: Water **Units:** ug/L **Prep Date:** 3/23/05 **Prep Batch:** 74543

Weight: 100.00 **Volume:** 100 **Percent Moisture:** NA

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Antimony	**121**	**0.085**	**1.0**	**0.089**	**B**	**1**	**ICPMS**	**4/4/05**	**20:22**
Arsenic	**75**	**0.24**	**5.0**	**0.89**	**B**	**1**	**ICPMS**	**4/4/05**	**20:22**
Beryllium	**9**	**0.0047**	**0.20**	**0.088**	**B**	**1**	**ICPMS**	**4/4/05**	**20:22**
Cadmium	**110**	**0.024**	**0.50**	**0.33**	**B**	**1**	**ICPMS**	**4/4/05**	**20:22**
Chromium	**52**	**0.059**	**2.0**	**1.4**	**B**	**1**	**ICPMS**	**4/4/05**	**20:22**
Copper	**65**	**0.016**	**2.0**	**29.2**	***E**	**1**	**ICPMS**	**4/4/05**	**20:22**
Lead	**208**	**0.018**	**2.0**	**1.7**	**B**	**1**	**ICPMS**	**4/4/05**	**20:22**
Nickel	**60**	**0.0080**	**1.0**	**2.8**	**E**	**1**	**ICPMS**	**4/4/05**	**20:22**
Selenium	**82**	**0.15**	**5.0**	**1.8**	**B**	**1**	**ICPMS**	**4/4/05**	**20:22**
Silver	**107**	**0.0017**	**0.30**	**0.040**	**B**	**1**	**ICPMS**	**4/4/05**	**20:22**
Thallium	203	0.075	2.0	0.075	U	1	ICPMS	4/4/05	20:22
Zinc	**66**	**0.014**	**10.0**	**12.0**	**E**	**1**	**ICPMS**	**4/4/05**	**20:22**

Comments: Sample Date: 03/17/05 Sample Time: 02:30 PM Color(Before): COLORLESS Color(After): COLORLESS
Clarity(Before): CLEAR Clarity(After): CLEAR

5.11.0

U Result is less than the IDL

B Result is between IDL and RL

Form I Equivalent

GPL - Maryland Laboratory

Metals Data Reporting Form

Sample Results **SDG:** 503077W

Lab Sample ID: S 503077-014-078-1/3 **Client ID:** SW-3-031705

Matrix: Water **Units:** ug/L **Prep Date:** 3/21/05 **Prep Batch:** 74479

Weight: 100.00 **Volume:** 100 **Percent Moisture:** NA

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Mercury	253.7	0.10	0.20	0.10	U	1	CVAA	3/22/05	11:43

Comments: Sample Date: 03/17/05 Sample Time: 02:30 PM Color(Before): BLACK Color(After): YELLOW Clarity(After): CLEAR Texture: FINE

5.11.0

E Serial dilution percent difference not within limits

U Result is less than the IDL

Form I Equivalent

GPL - Maryland Laboratory

Metals Data Reporting Form

Sample Results **SDG:** 503077W

Lab Sample ID: S 503077-012-047-1/1 **Client ID:** SW-4-031705

Matrix: Water **Units:** ug/L **Prep Date:** 3/23/05 **Prep Batch:** 74543

Weight: 100.00 **Volume:** 100 **Percent Moisture:** NA

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Antimony	121	0.085	1.0	0.085	U	1	ICPMS	4/4/05	19:59
Arsenic	**75**	**0.24**	**5.0**	**0.77**	**B**	**1**	**ICPMS**	**4/4/05**	**19:59**
Beryllium	**9**	**0.0047**	**0.20**	**0.13**	**B**	**1**	**ICPMS**	**4/4/05**	**19:59**
Cadmium	**110**	**0.024**	**0.50**	**0.12**	**B**	**1**	**ICPMS**	**4/4/05**	**19:59**
Chromium	52	0.059	2.0	0.059	U	1	ICPMS	4/4/05	19:59
Copper	**65**	**0.016**	**2.0**	**2.3**	***E**	**1**	**ICPMS**	**4/4/05**	**19:59**
Lead	**208**	**0.018**	**2.0**	**0.73**	**B**	**1**	**ICPMS**	**4/4/05**	**19:59**
Nickel	**60**	**0.0080**	**1.0**	**2.0**	**E**	**1**	**ICPMS**	**4/4/05**	**19:59**
Selenium	**82**	**0.15**	**5.0**	**2.2**	**B**	**1**	**ICPMS**	**4/4/05**	**19:59**
Silver	**107**	**0.0017**	**0.30**	**0.046**	**B**	**1**	**ICPMS**	**4/4/05**	**19:59**
Thallium	203	0.075	2.0	0.075	U	1	ICPMS	4/4/05	19:59
Zinc	**66**	**0.014**	**10.0**	**6.5**	**BE**	**1**	**ICPMS**	**4/4/05**	**19:59**

Comments: Sample Date: 03/17/05 Sample Time: 02:00 PM Color(Before): COLORLESS Color(After): COLORLESS
Clarity(Before): CLEAR Clarity(After): CLEAR

5.11.0

U Result is less than the IDL

B Result is between IDL and RL

Form 1 Equivalent

GPL - Maryland Laboratory

Metals Data Reporting Form

Sample Results **SDG:** 503077W

Lab Sample ID: S 503077-012-047-1/1 **Client ID:** SW-4-031705

Matrix: Water **Units:** ug/L **Prep Date:** 3/21/05 **Prep Batch:** 74479

Weight: 100.00 **Volume:** 100 **Percent Moisture:** NA

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Mercury	253.7	0.10	0.20	0.10	U	1	CVAA	3/22/05	11:39

Comments: Sample Date: 03/17/05 Sample Time: 02:00 PM Color(Before): BLACK Color(After): YELLOW Clarity(After): CLEAR Texture: FINE

5.11.0

E Serial dilution percent difference not within limits

U Result is less than the IDL

Form I Equivalent

GPL - Maryland Laboratory

Metals Data Reporting Form

Sample Results **SDG:** 503077W

Lab Sample ID: S 503077-010-046-1/1 **Client ID:** SW-5-031705

Matrix: Water **Units:** ug/L **Prep Date:** 3/23/05 **Prep Batch:** 74543

Weight: 100.00 **Volume:** 100 **Percent Moisture:** NA

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Antimony	121	0.085	1.0	0.085	U	1	ICPMS	4/4/05	19:47
Arsenic	**75**	**0.24**	**5.0**	**0.74**	**B**	**1**	**ICPMS**	**4/4/05**	**19:47**
Beryllium	**9**	**0.0047**	**0.20**	**0.047**	**B**	**1**	**ICPMS**	**4/4/05**	**19:47**
Cadmium	**110**	**0.024**	**0.50**	**0.056**	**B**	**1**	**ICPMS**	**4/4/05**	**19:47**
Chromium	52	0.059	2.0	0.059	U	1	ICPMS	4/4/05	19:47
Copper	**65**	**0.016**	**2.0**	**19.7**	***E**	**1**	**ICPMS**	**4/4/05**	**19:47**
Lead	**208**	**0.018**	**2.0**	**0.70**	**B**	**1**	**ICPMS**	**4/4/05**	**19:47**
Nickel	**60**	**0.0080**	**1.0**	**1.8**	**E**	**1**	**ICPMS**	**4/4/05**	**19:47**
Selenium	**82**	**0.15**	**5.0**	**1.4**	**B**	**1**	**ICPMS**	**4/4/05**	**19:47**
Silver	**107**	**0.0017**	**0.30**	**0.15**	**B**	**1**	**ICPMS**	**4/4/05**	**19:47**
Thallium	203	0.075	2.0	0.075	U	1	ICPMS	4/4/05	19:47
Zinc	**66**	**0.014**	**10.0**	**10.5**	**E**	**1**	**ICPMS**	**4/4/05**	**19:47**

Comments: Sample Date: 03/17/05 Sample Time: 01:20 PM Color(Before): COLORLESS Color(After): COLORLESS
Clarity(Before): CLEAR Clarity(After): CLEAR

5.11.0

U Result is less than the IDL

B Result is between IDL and RL

Form I Equivalent

GPL - Maryland Laboratory

Metals Data Reporting Form

Sample Results **SDG:** 503077W

Lab Sample ID: S 503077-010-046-1/1 **Client ID:** SW-5-031705

Matrix: Water **Units:** ug/L **Prep Date:** 3/21/05 **Prep Batch:** 74479

Weight: 100.00 **Volume:** 100 **Percent Moisture:** NA

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Mercury	253.7	0.10	0.20	0.10	U	1	CVAA	3/22/05	11:31

Comments: Sample Date: 03/17/05 Sample Time: 01:20 PM Color(Before): BLACK Color(After): YELLOW Clarity(After): CLEAR Texture: FINE

5.11.0

E Serial dilution percent difference not within limits

U Result is less than the IDL

Form I Equivalent

GPL - Maryland Laboratory

Metals Data Reporting Form

Sample Results **SDG:** 503077W

Lab Sample ID: S 503077-008-045-1/1 **Client ID:** SW-6-031705

Matrix: Water **Units:** ug/L **Prep Date:** 3/23/05 **Prep Batch:** 74543

Weight: 100.00 **Volume:** 100 **Percent Moisture:** NA

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Antimony	121	0.085	1.0	0.085	U	1	ICPMS	4/4/05	19:36
Arsenic	**75**	**0.24**	**5.0**	**0.57**	**B**	**1**	**ICPMS**	**4/4/05**	**19:36**
Beryllium	**9**	**0.0047**	**0.20**	**0.053**	**B**	**1**	**ICPMS**	**4/4/05**	**19:36**
Cadmium	**110**	**0.024**	**0.50**	**0.052**	**B**	**1**	**ICPMS**	**4/4/05**	**19:36**
Chromium	52	0.059	2.0	0.059	U	1	ICPMS	4/4/05	19:36
Copper	**65**	**0.016**	**2.0**	**2.2**	***E**	**1**	**ICPMS**	**4/4/05**	**19:36**
Lead	**208**	**0.018**	**2.0**	**0.88**	**B**	**1**	**ICPMS**	**4/4/05**	**19:36**
Nickel	**60**	**0.0080**	**1.0**	**1.9**	**E**	**1**	**ICPMS**	**4/4/05**	**19:36**
Selenium	**82**	**0.15**	**5.0**	**1.5**	**B**	**1**	**ICPMS**	**4/4/05**	**19:36**
Silver	**107**	**0.0017**	**0.30**	**0.034**	**B**	**1**	**ICPMS**	**4/4/05**	**19:36**
Thallium	203	0.075	2.0	0.075	U	1	ICPMS	4/4/05	19:36
Zinc	**66**	**0.014**	**10.0**	**8.2**	**BE**	**1**	**ICPMS**	**4/4/05**	**19:36**

Comments: Sample Date: 03/17/05 Sample Time: 01:05 PM Color(Before): COLORLESS Color(After): COLORLESS
Clarity(Before): CLEAR Clarity(After): CLEAR

5.11.0

U Result is less than the IDL

B Result is between IDL and RL

Form I Equivalent

GPL - Maryland Laboratory

Metals Data Reporting Form

Sample Results **SDG:** 503077W

Lab Sample ID: S 503077-008-045-1/1 **Client ID:** SW-6-031705

Matrix: Water **Units:** ug/L **Prep Date:** 3/21/05 **Prep Batch:** 74479

Weight: 100.00 **Volume:** 100 **Percent Moisture:** NA

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Mercury	253.7	0.10	0.20	0.10	U	1	CVAA	3/22/05	11:26

Comments: Sample Date: 03/17/05 Sample Time: 01:05 PM Color(Before): BLACK Color(After): YELLOW Clarity(After): CLEAR Texture: FINE

5.11.0

E Serial dilution percent difference not within limits

U Result is less than the IDL

Form I Equivalent

GPL - Maryland Laboratory

Metals Data Reporting Form

Sample Results **SDG:** 503077W

Lab Sample ID: S 503077-006-044-1/1 **Client ID:** SW-7-031705

Matrix: Water **Units:** ug/L **Prep Date:** 3/23/05 **Prep Batch:** 74543

Weight: 100.00 **Volume:** 100 **Percent Moisture:** NA

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Antimony	121	0.085	1.0	0.085	U	1	ICPMS	4/4/05	19:24
Arsenic	**75**	**0.24**	**5.0**	**0.81**	**B**	**1**	**ICPMS**	**4/4/05**	**19:24**
Beryllium	**9**	**0.0047**	**0.20**	**0.028**	**B**	**1**	**ICPMS**	**4/4/05**	**19:24**
Cadmium	110	0.024	0.50	0.024	U	1	ICPMS	4/4/05	19:24
Chromium	52	0.059	2.0	0.059	U	1	ICPMS	4/4/05	19:24
Copper	**65**	**0.016**	**2.0**	**2.0**	***E**	**1**	**ICPMS**	**4/4/05**	**19:24**
Lead	**208**	**0.018**	**2.0**	**0.76**	**B**	**1**	**ICPMS**	**4/4/05**	**19:24**
Nickel	**60**	**0.0080**	**1.0**	**2.1**	**E**	**1**	**ICPMS**	**4/4/05**	**19:24**
Selenium	**82**	**0.15**	**5.0**	**0.62**	**B**	**1**	**ICPMS**	**4/4/05**	**19:24**
Silver	**107**	**0.0017**	**0.30**	**0.023**	**B**	**1**	**ICPMS**	**4/4/05**	**19:24**
Thallium	203	0.075	2.0	0.075	U	1	ICPMS	4/4/05	19:24
Zinc	**66**	**0.014**	**10.0**	**8.3**	**BE**	**1**	**ICPMS**	**4/4/05**	**19:24**

Comments: Sample Date: 03/17/05 Sample Time: 12:49 PM Color(Before): COLORLESS Color(After): COLORLESS
Clarity(Before): CLEAR Clarity(After): CLEAR

5.11.0

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

Form I Equivalent

GPL - Maryland Laboratory

Metals Data Reporting Form

Sample Results **SDG:** 503077W

Lab Sample ID: S 503077-006-044-1/1 **Client ID:** SW-7-031705

Matrix: Water **Units:** ug/L **Prep Date:** 3/21/05 **Prep Batch:** 74479

Weight: 100.00 **Volume:** 100 **Percent Moisture:** NA

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Mercury	253.7	0.10	0.20	0.10	U	1	CVAA	3 22 05	11.22

Comments: Sample Date: 03/17/05 Sample Time: 12:49 PM Color(Before): BLACK Color(After): YELLOW Clarity(After): CLEAR Texture: FINE

5.11.0

E Serial dilution percent difference not within limits

U Result is less than the IDL

Form I Equivalent

GPL - Maryland Laboratory

Metals Data Reporting Form

Sample Results **SDG:** 503077W

Lab Sample ID: S 503077-003-066-1/1 **Client ID:** SW-1-031705FIL

Matrix: Water **Units:** ug/L **Prep Date:** 3/23/05 **Prep Batch:** 74543

Weight: 100.00 **Volume:** 100 **Percent Moisture:** NA

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Antimony	121	0.085	1.0	0.085	U	1	ICPMS	4/4/05	18:55
Arsenic	**75**	**0.24**	**5.0**	**0.48**	**B**	**1**	**ICPMS**	**4/4/05**	**18:55**
Beryllium	**9**	**0.0047**	**0.20**	**0.089**	**B**	**1**	**ICPMS**	**4/4/05**	**18:55**
Cadmium	110	0.024	0.50	0.024	U	1	ICPMS	4/4/05	18:55
Chromium	52	0.059	2.0	0.059	U	1	ICPMS	4/4/05	18:55
Copper	**65**	**0.016**	**2.0**	**1.8**	**B*E**	**1**	**ICPMS**	**4/4/05**	**18:55**
Lead	**208**	**0.018**	**2.0**	**0.34**	**B**	**1**	**ICPMS**	**4/4/05**	**18:55**
Nickel	**60**	**0.0080**	**1.0**	**6.8**	**E**	**1**	**ICPMS**	**4/4/05**	**18:55**
Selenium	82	0.15	5.0	0.15	U	1	ICPMS	4/4/05	18:55
Silver	**107**	**0.0017**	**0.30**	**0.25**	**B**	**1**	**ICPMS**	**4/4/05**	**18:55**
Thallium	203	0.075	2.0	0.075	U	1	ICPMS	4/4/05	18:55
Zinc	**66**	**0.014**	**10.0**	**20.3**	**E**	**1**	**ICPMS**	**4/4/05**	**18:55**

Comments: Sample Date: 03/17/05 Sample Time: 09:25 AM Color(Before): COLORLESS Color(After): COLORLESS
Clarity(Before): CLEAR Clarity(After): CLEAR

5.11.0

U Result is less than the IDL

B Result is between IDL and RL

Form 1 Equivalent

GPL - Maryland Laboratory

Metals Data Reporting Form

Sample Results **SDG:** 503077W

Lab Sample ID: S 503077-003-066-1/1 **Client ID:** SW-1-031705FIL

Matrix: Water **Units:** ug/L **Prep Date:** 3/21/05 **Prep Batch:** 74479

Weight: 100.00 **Volume:** 100 **Percent Moisture:** NA

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Mercury	253.7	0.10	0.20	0.10	U	1	CVAA	3/22/05	11:16

Comments: Sample Date: 03/17/05 Sample Time: 09:25 AM Color(Before): BLACK Color(After): YELLOW Clarity(After): CLEAR Texture: FINE

5.11.0

E Serial dilution percent difference not within limits

U Result is less than the IDL

Form I Equivalent

GPL - Maryland Laboratory

Metals Data Reporting Form

Sample Results **SDG:** 503077W

Lab Sample ID: S 503077-005-067-1/1 **Client ID:** SW-2-031705FIL

Matrix: Water **Units:** ug/L **Prep Date:** 3/23/05 **Prep Batch:** 74543

Weight: 100.00 **Volume:** 100 **Percent Moisture:** NA

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Antimony	121	0.085	1.0	0.085	U	1	ICPMS	4/4/05	19:18
Arsenic	**75**	**0.24**	**5.0**	**0.47**	**B**	**1**	**ICPMS**	**4/4/05**	**19:18**
Beryllium	9	0.0047	0.20	0.0047	U	1	ICPMS	4/4/05	19:18
Cadmium	110	0.024	0.50	0.024	U	1	ICPMS	4/4/05	19:18
Chromium	52	0.059	2.0	0.059	U	1	ICPMS	4/4/05	19:18
Copper	**65**	**0.016**	**2.0**	**1.9**	**B*E**	**1**	**ICPMS**	**4/4/05**	**19:18**
Lead	**208**	**0.018**	**2.0**	**0.40**	**B**	**1**	**ICPMS**	**4/4/05**	**19:18**
Nickel	**60**	**0.0080**	**1.0**	**1.7**	**E**	**1**	**ICPMS**	**4/4/05**	**19:18**
Selenium	**82**	**0.15**	**5.0**	**0.79**	**B**	**1**	**ICPMS**	**4/4/05**	**19:18**
Silver	**107**	**0.0017**	**0.30**	**0.022**	**B**	**1**	**ICPMS**	**4/4/05**	**19:18**
Thallium	203	0.075	2.0	0.075	U	1	ICPMS	4/4/05	19:18
Zinc	**66**	**0.014**	**10.0**	**5.0**	**BE**	**1**	**ICPMS**	**4/4/05**	**19:18**

Comments: Sample Date: 03/17/05 Sample Time: 12:27 PM Color(Before): COLORLESS Color(After): COLORLESS
Clarity(Before): CLEAR Clarity(After): CLEAR

5.11.0

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

Form 1 Equivalent

GPL - Maryland Laboratory

Metals Data Reporting Form

Sample Results **SDG:** 503077W

Lab Sample ID: S 503077-005-067-1/1 **Client ID:** SW-2-031705FIL

Matrix: Water **Units:** ug/L **Prep Date:** 3/21/05 **Prep Batch:** 74479

Weight: 100.00 **Volume:** 100 **Percent Moisture:** NA

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Mercury	253.7	0.10	0.20	0.10	U	1	CVAA	3/22/05	11:20

Comments: Sample Date: 03/17/05 Sample Time: 12:27 PM Color(Before): BLACK Color(After): YELLOW Clarity(After): CLEAR Texture: FINE

5.11.0

E Serial dilution percent difference not within limits

U Result is less than the IDL

Form I Equivalent

GPL - Maryland Laboratory

Metals Data Reporting Form

Sample Results **SDG:** 503077W

Lab Sample ID: S 503077-015-089-1/3 **Client ID:** SW-3-031705FIL

Matrix: Water **Units:** ug/L **Prep Date:** 3/23/05 **Prep Batch:** 74543

Weight: 100.00 **Volume:** 100 **Percent Moisture:** NA

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Antimony	**121**	**0.085**	**1.0**	**0.16**	**B**	**1**	**ICPMS**	**4/4/05**	**20:51**
Arsenic	**75**	**0.24**	**5.0**	**0.96**	**B**	**1**	**ICPMS**	**4/4/05**	**20:51**
Beryllium	**9**	**0.0047**	**0.20**	**0.027**	**B**	**1**	**ICPMS**	**4/4/05**	**20:51**
Cadmium	**110**	**0.024**	**0.50**	**0.13**	**B**	**1**	**ICPMS**	**4/4/05**	**20:51**
Chromium	52	0.059	2.0	0.059	U	1	ICPMS	4/4/05	20:51
Copper	**65**	**0.016**	**2.0**	**1.5**	**B*E**	**1**	**ICPMS**	**4/4/05**	**20:51**
Lead	**208**	**0.018**	**2.0**	**0.35**	**B**	**1**	**ICPMS**	**4/4/05**	**20:51**
Nickel	**60**	**0.0080**	**1.0**	**2.5**	**E**	**1**	**ICPMS**	**4/4/05**	**20:51**
Selenium	**82**	**0.15**	**5.0**	**1.4**	**B**	**1**	**ICPMS**	**4/4/05**	**20:51**
Silver	**107**	**0.0017**	**0.30**	**0.019**	**B**	**1**	**ICPMS**	**4/4/05**	**20:51**
Thallium	203	0.075	2.0	0.075	U	1	ICPMS	4/4/05	20:51
Zinc	**66**	**0.014**	**10.0**	**5.9**	**BE**	**1**	**ICPMS**	**4/4/05**	**20:51**

Comments: Sample Date: 03/17/05 Sample Time: 02:30 PM Color(Before): COLORLESS Color(After): COLORLESS
Clarity(Before): CLEAR Clarity(After): CLEAR

5.11.0

U Result is less than the IDL

B Result is between IDL and RL

Form I Equivalent

GPL - Maryland Laboratory

Metals Data Reporting Form

Sample Results **SDG:** 503077W

Lab Sample ID: S 503077-015-089-1/3 **Client ID:** SW-3-031705FIL

Matrix: Water **Units:** ug/L **Prep Date:** 3/21/05 **Prep Batch:** 74479

Weight: 100.00 **Volume:** 100 **Percent Moisture:** NA

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Mercury	253.7	0.10	0.20	0.10	U	1	CVAA	3/22/05	11:48

Comments: Sample Date: 03/17/05 Sample Time: 02:30 PM Color(Before): BLACK Color(After): YELLOW Clarity(After): CLEAR Texture: FINE

5.11.0

E Serial dilution percent difference not within limits

U Result is less than the IDL

Form I Equivalent

GPL - Maryland Laboratory

Metals Data Reporting Form

Sample Results **SDG:** 503077W

Lab Sample ID: S 503077-013-071-1/1 **Client ID:** SW-4-031705FIL

Matrix: Water **Units:** ug/L **Prep Date:** 3/23/05 **Prep Batch:** 74543

Weight: 100.00 **Volume:** 100 **Percent Moisture:** NA

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Antimony	121	0.085	1.0	0.085	U	1	ICPMS	4/4/05	20:05
Arsenic	**75**	**0.24**	**5.0**	**0.28**	**B**	**1**	**ICPMS**	**4/4/05**	**20:05**
Beryllium	**9**	**0.0047**	**0.20**	**0.011**	**B**	**1**	**ICPMS**	**4/4/05**	**20:05**
Cadmium	110	0.024	0.50	0.024	U	1	ICPMS	4/4/05	20:05
Chromium	52	0.059	2.0	0.059	U	1	ICPMS	4/4/05	20:05
Copper	**65**	**0.016**	**2.0**	**1.6**	**B*E**	**1**	**ICPMS**	**4/4/05**	**20:05**
Lead	**208**	**0.018**	**2.0**	**0.42**	**B**	**1**	**ICPMS**	**4/4/05**	**20:05**
Nickel	**60**	**0.0080**	**1.0**	**1.8**	**E**	**1**	**ICPMS**	**4/4/05**	**20:05**
Selenium	**82**	**0.15**	**5.0**	**1.1**	**B**	**1**	**ICPMS**	**4/4/05**	**20:05**
Silver	**107**	**0.0017**	**0.30**	**0.022**	**B**	**1**	**ICPMS**	**4/4/05**	**20:05**
Thallium	203	0.075	2.0	0.075	U	1	ICPMS	4/4/05	20:05
Zinc	**66**	**0.014**	**10.0**	**4.4**	**BE**	**1**	**ICPMS**	**4/4/05**	**20:05**

Comments: Sample Date: 03/17/05 Sample Time: 02:00 PM Color(Before): COLORLESS Color(After): COLORLESS
Clarity(Before): CLEAR Clarity(After): CLEAR

5.11.0

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

Form 1 Equivalent

GPL - Maryland Laboratory

Metals Data Reporting Form

Sample Results **SDG:** 503077W

Lab Sample ID: S 503077-013-071-1/1 **Client ID:** SW-4-031705FIL

Matrix: Water **Units:** ug/L **Prep Date:** 3/21/05 **Prep Batch:** 74479

Weight: 100.00 **Volume:** 100 **Percent Moisture:** NA

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Mercury	253.7	0.10	0.20	0.10	U	1	CVAA	3/22/05	11:41

Comments: Sample Date: 03/17/05 Sample Time: 02:00 PM Color(Before): BLACK Color(After): YELLOW Clarity(After): CLEAR Texture: FINE

5.11.0

E Serial dilution percent difference not within limits

U Result is less than the IDL

Form 1 Equivalent

GPL - Maryland Laboratory

Metals Data Reporting Form

Sample Results **SDG:** 503077W

Lab Sample ID: S 503077-011-070-1/1 **Client ID:** SW-5-031705FIL

Matrix: Water **Units:** ug/L **Prep Date:** 3/23/05 **Prep Batch:** 74543

Weight: 100.00 **Volume:** 100 **Percent Moisture:** NA

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Antimony	121	0.085	1.0	0.085	U	1	ICPMS	4/4/05	19:53
Arsenic	**75**	**0.24**	**5.0**	**0.77**	**B**	**1**	**ICPMS**	**4/4/05**	**19:53**
Beryllium	**9**	**0.0047**	**0.20**	**0.16**	**B**	**1**	**ICPMS**	**4/4/05**	**19:53**
Cadmium	**110**	**0.024**	**0.50**	**0.13**	**B**	**1**	**ICPMS**	**4/4/05**	**19:53**
Chromium	52	0.059	2.0	0.059	U	1	ICPMS	4/4/05	19:53
Copper	**65**	**0.016**	**2.0**	**2.1**	***E**	**1**	**ICPMS**	**4/4/05**	**19:53**
Lead	**208**	**0.018**	**2.0**	**0.36**	**B**	**1**	**ICPMS**	**4/4/05**	**19:53**
Nickel	**60**	**0.0080**	**1.0**	**1.9**	**E**	**1**	**ICPMS**	**4/4/05**	**19:53**
Selenium	**82**	**0.15**	**5.0**	**2.5**	**B**	**1**	**ICPMS**	**4/4/05**	**19:53**
Silver	**107**	**0.0017**	**0.30**	**0.051**	**B**	**1**	**ICPMS**	**4/4/05**	**19:53**
Thallium	203	0.075	2.0	0.075	U	1	ICPMS	4/4/05	19:53
Zinc	**66**	**0.014**	**10.0**	**7.5**	**BE**	**1**	**ICPMS**	**4/4/05**	**19:53**

Comments: Sample Date: 03/17/05 Sample Time: 01:20 PM Color(Before): COLORLESS Color(After): COLORLESS
Clarity(Before): CLEAR Clarity(After): CLEAR

5.11.0

U Result is less than the IDL

B Result is between IDL and RL

Form 1 Equivalent

GPL - Maryland Laboratory

Metals Data Reporting Form

Sample Results **SDG:** 503077W

Lab Sample ID: S 503077-011-070-1/1 **Client ID:** SW-5-031705FIL

Matrix: Water **Units:** ug/L **Prep Date:** 3/21/05 **Prep Batch:** 74479

Weight: 100.00 **Volume:** 100 **Percent Moisture:** NA

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Mercury	253.7	0.10	0.20	0.10	U	1	CVAA	3/22/05	11:33

Comments: Sample Date: 03/17/05 Sample Time: 01:20 PM Color(Before): BLACK Color(After): YELLOW Clarity(After): CLEAR Texture: FINE

5.11.0

E Serial dilution percent difference not within limits

U Result is less than the IDL

Form I Equivalent

GPL - Maryland Laboratory

Metals Data Reporting Form

Sample Results

SDG: 503077W

Lab Sample ID: S 503077-009-069-1/1 **Client ID:** SW-6-031705FH

Matrix: Water **Units:** ug/L **Prep Date:** 3/23/05 **Prep Batch:** 74543

Weight: 100.00 **Volume:** 100 **Percent Moisture:** NA

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Antimony	121	0.085	1.0	0.085	U	1	ICPMS	4/4/05	19:42
Arsenic	**75**	**0.24**	**5.0**	**0.53**	**B**	**1**	**ICPMS**	**4/4/05**	**19:42**
Beryllium	**9**	**0.0047**	**0.20**	**0.020**	**B**	**1**	**ICPMS**	**4/4/05**	**19:42**
Cadmium	110	0.024	0.50	0.024	U	1	ICPMS	4/4/05	19:42
Chromium	52	0.059	2.0	0.059	U	1	ICPMS	4/4/05	19:42
Copper	**65**	**0.016**	**2.0**	**1.9**	**B*E**	**1**	**ICPMS**	**4/4/05**	**19:42**
Lead	**208**	**0.018**	**2.0**	**0.28**	**B**	**1**	**ICPMS**	**4/4/05**	**19:42**
Nickel	**60**	**0.0080**	**1.0**	**2.0**	**E**	**1**	**ICPMS**	**4/4/05**	**19:42**
Selenium	**82**	**0.15**	**5.0**	**0.91**	**B**	**1**	**ICPMS**	**4/4/05**	**19:42**
Silver	**107**	**0.0017**	**0.30**	**0.026**	**B**	**1**	**ICPMS**	**4/4/05**	**19:42**
Thallium	203	0.075	2.0	0.075	U	1	ICPMS	4/4/05	19:42
Zinc	**66**	**0.014**	**10.0**	**5.1**	**BE**	**1**	**ICPMS**	**4/4/05**	**19:42**

Comments: Sample Date: 03/17/05 Sample Time: 01:05 PM Color(Before): COLORLESS Color(After): COLORLESS
Clarity(Before): CLEAR Clarity(After): CLEAR

U Result is less than the IDL

B Result is between IDL and RL

GPL - Maryland Laboratory

Metals Data Reporting Form

Sample Results **SDG:** 503077W

Lab Sample ID: S 503077-009-069-1/1 **Client ID:** SW-6-031705FIL

Matrix: Water **Units:** ug/L **Prep Date:** 3/21/05 **Prep Batch:** 74479

Weight: 100.00 **Volume:** 100 **Percent Moisture:** NA

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Mercury	253.7	0.10	0.20	0.10	U	1	CVAA	3/22/05	11:28

Comments: Sample Date: 03/17/05 Sample Time: 01:05 PM Color(Before): BLACK Color(After): YELLOW Clarity(After): CLEAR Texture: FINE

5.11.0

E Serial dilution percent difference not within limits

U Result is less than the IDL

Form 1 Equivalent

GPL - Maryland Laboratory

Metals Data Reporting Form

Sample Results **SDG:** 503077W

Lab Sample ID: S 503077-007-068-1/1 **Client ID:** SW-7-031705FIL

Matrix: Water **Units:** ug/L **Prep Date:** 3/23/05 **Prep Batch:** 74543

Weight: 100.00 **Volume:** 100 **Percent Moisture:** NA

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Antimony	121	0.085	1.0	0.085	U	1	ICPMS	4/4/05	19:30
Arsenic	**75**	**0.24**	**5.0**	**0.82**	**B**	**1**	**ICPMS**	**4/4/05**	**19:30**
Beryllium	**9**	**0.0047**	**0.20**	**0.036**	**B**	**1**	**ICPMS**	**4/4/05**	**19:30**
Cadmium	110	0.024	0.50	0.024	U	1	ICPMS	4/4/05	19:30
Chromium	52	0.059	2.0	0.059	U	1	ICPMS	4/4/05	19:30
Copper	**65**	**0.016**	**2.0**	**1.8**	**B*E**	**1**	**ICPMS**	**4/4/05**	**19:30**
Lead	**208**	**0.018**	**2.0**	**1.0**	**B**	**1**	**ICPMS**	**4/4/05**	**19:30**
Nickel	**60**	**0.0080**	**1.0**	**2.1**	**E**	**1**	**ICPMS**	**4/4/05**	**19:30**
Selenium	**82**	**0.15**	**5.0**	**1.3**	**B**	**1**	**ICPMS**	**4/4/05**	**19:30**
Silver	**107**	**0.0017**	**0.30**	**0.049**	**B**	**1**	**ICPMS**	**4/4/05**	**19:30**
Thallium	203	0.075	2.0	0.075	U	1	ICPMS	4/4/05	19:30
Zinc	**66**	**0.014**	**10.0**	**6.6**	**BE**	**1**	**ICPMS**	**4/4/05**	**19:30**

Comments: Sample Date: 03/17/05 Sample Time: 12:49 PM Color(Before): COLORLESS Color(After): COLORLESS
Clarity(Before): CLEAR Clarity(After): CLEAR

U Result is less than the IDL

B Result is between IDL and RL

Form 1 Equivalent

GPL - Maryland Laboratory

Metals Data Reporting Form

Sample Results **SDG:** 503077W

Lab Sample ID: S 503077-007-068-1/1 **Client ID:** SW-7-031705FIL

Matrix: Water **Units:** ug/L **Prep Date:** 3/21/05 **Prep Batch:** 74479

Weight: 100.00 **Volume:** 100 **Percent Moisture:** NA

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Mercury	253.7	0.10	0.20	0.10	U	1	CVAA	3/22/05	11:24

Comments: Sample Date: 03/17/05 Sample Time: 12:49 PM Color(Before): BLACK Color(After): YELLOW Clarity(After): CLEAR Texture: FINE

5.11.0

E Serial dilution percent difference not within limits

U Result is less than the IDL

Form I Equivalent

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SD-04-031705

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	503077
Case No. :		SDG NO :	503077
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	503077-018-100-1/1
Sample Volume :	2.62	Lab File ID :	
Level :	Low	Date Received	03/17/2005
% Moisture: not dec	27.86	Date Analyzed	04/03/2005
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
18540-29-9	Chromium, Hexavalent	0.53	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SD-1-031705

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	503077
Case No. :		SDG NO :	503077
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	503077-016-098-1/1
Sample Volume :	2.53	Lab File ID :	
Level :	Low	Date Received	03/17/2005
% Moisture: not dec	18.69	Date Analyzed	04/03/2005
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
18540-29-9	Chromium, Hexavalent	0.49	U

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

SAMPLE NO
SD-3-031705

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	503077
Case No. :		SDG NO :	503077
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	503077-017-099-1/1
Sample Volume :	2.71	Lab File ID :	
Level :	Low	Date Received	03/17/2005
% Moisture: not dec	15.38	Date Analyzed	04/03/2005
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
18540-29-9	Chromium, Hexavalent	0.44	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SW-1-031705

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	503077
Case No. :		SDG NO :	503077
Matrix : (Soil / Water)	WATER	Lab Sample ID :	503077-002-060-1/1
Sample Volume :	10	Lab File ID :	
Level :	Low	Date Received	03/17/2005
% Moisture: not dec		Date Analyzed	03/18/2005
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18540-29-9	Chromium, Hexavalent	0.010	U

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

SAMPLE NO
SW-2-031705

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	503077
Case No. :		SDG NO :	503077
Matrix : (Soil / Water)	WATER	Lab Sample ID :	503077-004-061-1/1
Sample Volume :	10	Lab File ID :	
Level :	Low	Date Received	03/17/2005
% Moisture: not dec		Date Analyzed	03/18/2005
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18540-29-9	Chromium, Hexavalent	0.010	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SW-3-031705

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	503077
Case No. :		SDG NO :	503077
Matrix : (Soil / Water)	WATER	Lab Sample ID :	503077-014-086-1/3
Sample Volume :	10	Lab File ID :	
Level :	Low	Date Received	03/17/2005
% Moisture: not dec		Date Analyzed	03/18/2005
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18540-29-9	Chromium, Hexavalent	0.010	U

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

SAMPLE NO
SW-4-031705

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	503077
Case No. :		SDG NO :	503077
Matrix : (Soil / Water)	WATER	Lab Sample ID :	503077-012-065-1/1
Sample Volume :	10	Lab File ID :	
Level :	Low	Date Received	03/17/2005
% Moisture: not dec		Date Analyzed	03/18/2005
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18540-29-9	Chromium, Hexavalent	0.010	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SW-5-031705

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	503077
Case No. :		SDG NO :	503077
Matrix : (Soil / Water)	WATER	Lab Sample ID :	503077-010-064-1/1
Sample Volume :	10	Lab File ID :	
Level :	Low	Date Received	03/17/2005
% Moisture: not dec		Date Analyzed	03/18/2005
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18540-29-9	Chromium, Hexavalent	0.010	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SW-6-031705

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	503077
Case No. :		SDG NO :	503077
Matrix : (Soil / Water)	WATER	Lab Sample ID :	503077-008-063-1/1
Sample Volume :	10	Lab File ID :	
Level :	Low	Date Received	03/17/2005
% Moisture: not dec		Date Analyzed	03/18/2005
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18540-29-9	Chromium, Hexavalent	0.010	U

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

SAMPLE NO
SW-7-031705

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	503077
Case No. :		SDG NO :	503077
Matrix : (Soil / Water)	WATER	Lab Sample ID :	503077-006-062-1/1
Sample Volume :	10	Lab File ID :	
Level :	Low	Date Received	03/17/2005
% Moisture: not dec		Date Analyzed	03/18/2005
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/L

CAS NO	COMPOUND		Q
18540-29-9	Chromium, Hexavalent	0.010	U

APPENDIX C

SUPPORT DOCUMENTATION

OLDTIME

SDG 503077

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
HG	MG/KG	SD-3-031705	503077-017	NM	3/17/2005	3/24/2005	3/31/2005	7	7	14
HG	MG/KG	SD-1-031705	503077-016	NM	3/17/2005	3/24/2005	3/31/2005	7	7	14
HG	MG/KG	SD-04-031705	503077-018	NM	3/17/2005	3/24/2005	3/31/2005	7	7	14
HG	UG/L	SW-4-031705	503077-013FIL	NM	3/17/2005	3/21/2005	3/22/2005	4	1	5
HG	UG/L	SW-2-031705	503077-004	NM	3/17/2005	3/21/2005	3/22/2005	4	1	5
HG	UG/L	SW-1-031705	503077-003FIL	NM	3/17/2005	3/21/2005	3/22/2005	4	1	5
HG	UG/L	SW-1-031705	503077-002	NM	3/17/2005	3/21/2005	3/22/2005	4	1	5
HG	UG/L	SW-3-031705	503077-014	NM	3/17/2005	3/21/2005	3/22/2005	4	1	5
HG	UG/L	SW-2-031705	503077-005FIL	NM	3/17/2005	3/21/2005	3/22/2005	4	1	5
HG	UG/L	SW-4-031705	503077-012	NM	3/17/2005	3/21/2005	3/22/2005	4	1	5
HG	UG/L	SW-7-031705	503077-007FIL	NM	3/17/2005	3/21/2005	3/22/2005	4	1	5
HG	UG/L	SW-5-031705	503077-010	NM	3/17/2005	3/21/2005	3/22/2005	4	1	5
HG	UG/L	SW-5-031705	503077-011FIL	NM	3/17/2005	3/21/2005	3/22/2005	4	1	5
HG	UG/L	SW-6-031705	503077-008	NM	3/17/2005	3/21/2005	3/22/2005	4	1	5
HG	UG/L	SW-6-031705	503077-009FIL	NM	3/17/2005	3/21/2005	3/22/2005	4	1	5

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
HG	UG/L	SW-7-031705	503077-006	NM	3/17/2005	3/21/2005	3/22/2005	4	1	5
HG	UG/L	SW-3-031705	503077-015FIL	NM	3/17/2005	3/21/2005	3/22/2005	4	1	5
M	MG/KG	SD-04-031705	503077-018	NM	3/17/2005	3/23/2005	3/24/2005	6	1	7
M	MG/KG	SD-3-031705	503077-017	NM	3/17/2005	3/23/2005	3/24/2005	6	1	7
M	MG/KG	SD-1-031705	503077-016	NM	3/17/2005	3/23/2005	3/24/2005	6	1	7
M	UG/L	SW-3-031705	503077-015FIL	NM	3/17/2005	3/23/2005	4/4/2005	6	12	18
M	UG/L	SW-7-031705	503077-007FIL	NM	3/17/2005	3/23/2005	4/4/2005	6	12	18
M	UG/L	SW-7-031705	503077-006	NM	3/17/2005	3/23/2005	4/4/2005	6	12	18
M	UG/L	SW-6-031705	503077-009FIL	NM	3/17/2005	3/23/2005	4/4/2005	6	12	18
M	UG/L	SW-6-031705	503077-008	NM	3/17/2005	3/23/2005	4/4/2005	6	12	18
M	UG/L	SW-5-031705	503077-011FIL	NM	3/17/2005	3/23/2005	4/4/2005	6	12	18
M	UG/L	SW-5-031705	503077-010	NM	3/17/2005	3/23/2005	4/4/2005	6	12	18
M	UG/L	SW-4-031705	503077-012	NM	3/17/2005	3/23/2005	4/4/2005	6	12	18
M	UG/L	SW-3-031705	503077-014	NM	3/17/2005	3/23/2005	4/4/2005	6	12	18
M	UG/L	SW-2-031705	503077-005FIL	NM	3/17/2005	3/23/2005	4/4/2005	6	12	18
M	UG/L	SW-2-031705	503077-004	NM	3/17/2005	3/23/2005	4/4/2005	6	12	18
M	UG/L	SW-1-031705	503077-003FIL	NM	3/17/2005	3/23/2005	4/4/2005	6	12	18
M	UG/L	SW-4-031705	503077-013FIL	NM	3/17/2005	3/23/2005	4/4/2005	6	12	18

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
M	UG/L	SW-1-031705	503077-002	NM	3/17/2005	3/23/2005	4/4/2005	6	12	18
CR6	MG/KG	SD-04-031705	503077-018	NM	3/17/2005	4/3/2005	4/3/2005	17	0	17
CR6	MG/KG	SD-1-031705	503077-016	NM	3/17/2005	4/3/2005	4/3/2005	17	0	17
CR6	MG/KG	SD-3-031705	503077-017	NM	3/17/2005	4/3/2005	4/3/2005	17	0	17
CR6	MG/L	SW-5-031705	503077-010	NM	3/17/2005	3/18/2005	3/18/2005	1	0	1
CR6	MG/L	SW-6-031705	503077-008	NM	3/17/2005	3/18/2005	3/18/2005	1	0	1
CR6	MG/L	SW-4-031705	503077-012	NM	3/17/2005	3/18/2005	3/18/2005	1	0	1
CR6	MG/L	SW-3-031705	503077-014	NM	3/17/2005	3/18/2005	3/18/2005	1	0	1
CR6	MG/L	SW-1-031705	503077-002	NM	3/17/2005	3/18/2005	3/18/2005	1	0	1
CR6	MG/L	SW-7-031705	503077-006	NM	3/17/2005	3/18/2005	3/18/2005	1	0	1
CR6	MG/L	SW-2-031705	503077-004	NM	3/17/2005	3/18/2005	3/18/2005	1	0	1
PCS	%	SD-04-031705	503077-018	NM	3/17/2005	3/23/2005	3/23/2005	6	0	6
PCS	%	SD-1-031705	503077-016	NM	3/17/2005	3/23/2005	3/23/2005	6	0	6
PCS	%	SD-3-031705	503077-017	NM	3/17/2005	3/23/2005	3/23/2005	6	0	6
OS	%	SD-3-031705	503077-017	NM	3/17/2005	3/29/2005	3/29/2005	12	0	12
OS	%	SW-7-031705	503077-006	NM	3/17/2005	3/22/2005	3/25/2005	5	3	8
OS	%	SW-6-031705	503077-008	NM	3/17/2005	3/22/2005	3/25/2005	5	3	8
OS	%	SW-5-031705	503077-010	NM	3/17/2005	3/22/2005	3/28/2005	5	6	11

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
OS	%	SW-4-031705	503077-012	NM	3/17/2005	3/22/2005	3/28/2005	5	6	11
OS	%	SW-3-031705	503077-014	NM	3/17/2005	3/22/2005	3/25/2005	5	3	8
OS	%	SD-04-031705	503077-018	NM	3/17/2005	3/29/2005	3/29/2005	12	0	12
OS	%	SW-1-031705	503077-002	NM	3/17/2005	3/22/2005	3/25/2005	5	3	8
OS	%	SD-1-031705	503077-016	NM	3/17/2005	3/29/2005	3/29/2005	12	0	12
OS	%	SW-2-031705	503077-004	NM	3/17/2005	3/22/2005	3/25/2005	5	3	8
OS	UG/KG	SD-3-031705	503077-017	NM	3/17/2005	3/29/2005	3/29/2005	12	0	12
OS	UG/KG	SD-1-031705	503077-016	NM	3/17/2005	3/29/2005	3/29/2005	12	0	12
OS	UG/KG	SD-04-031705	503077-018	NM	3/17/2005	3/29/2005	3/29/2005	12	0	12
OS	UG/L	SW-2-031705	503077-004	NM	3/17/2005	3/22/2005	3/25/2005	5	3	8
OS	UG/L	SW-3-031705	503077-014	NM	3/17/2005	3/22/2005	3/25/2005	5	3	8
OS	UG/L	SW-4-031705	503077-012	NM	3/17/2005	3/22/2005	3/28/2005	5	6	11
OS	UG/L	SW-5-031705	503077-010	NM	3/17/2005	3/22/2005	3/28/2005	5	6	11
OS	UG/L	SW-6-031705	503077-008	NM	3/17/2005	3/22/2005	3/25/2005	5	3	8
OS	UG/L	SW-7-031705	503077-006	NM	3/17/2005	3/22/2005	3/25/2005	5	3	8
OS	UG/L	SW-1-031705	503077-002	NM	3/17/2005	3/22/2005	3/25/2005	5	3	8
OV	%	SW-3-031705	503077-014RE	NM	3/17/2005	3/29/2005	3/29/2005	12	0	12
OV	%	TB031705	503077-001	NM	3/17/2005	3/28/2005	3/28/2005	11	0	11

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
OV	%	SW-7-031705RE	503077-006RE	NM	3/17/2005	3/29/2005	3/29/2005	12	0	12
OV	%	SW-7-031705	503077-006	NM	3/17/2005	3/28/2005	3/28/2005	11	0	11
OV	%	SW-6-031705	503077-008	NM	3/17/2005	3/29/2005	3/29/2005	12	0	12
OV	%	SW-4-031705	503077-012	NM	3/17/2005	3/29/2005	3/29/2005	12	0	12
OV	%	SW-3-031705	503077-014	NM	3/17/2005	3/28/2005	3/28/2005	11	0	11
OV	%	SW-2-031705	503077-004	NM	3/17/2005	3/29/2005	3/29/2005	12	0	12
OV	%	SW-1-031705	503077-002	NM	3/17/2005	3/29/2005	3/29/2005	12	0	12
OV	%	SD-3-031705	503077-017	NM	3/17/2005	3/29/2005	3/29/2005	12	0	12
OV	%	SD-1-031705	503077-016	NM	3/17/2005	3/23/2005	3/23/2005	6	0	6
OV	%	SD-04-031705	503077-018	NM	3/17/2005	3/23/2005	3/23/2005	6	0	6
OV	%	SW-5-031705	503077-010	NM	3/17/2005	3/29/2005	3/29/2005	12	0	12
OV	UG/KG	SD-04-031705	503077-018	NM	3/17/2005	3/23/2005	3/23/2005	6	0	6
OV	UG/KG	SD-1-031705	503077-016	NM	3/17/2005	3/23/2005	3/23/2005	6	0	6
OV	UG/KG	SD-3-031705	503077-017	NM	3/17/2005	3/29/2005	3/29/2005	12	0	12
OV	UG/L	SW-3-031705	503077-014	NM	3/17/2005	3/28/2005	3/28/2005	11	0	11
OV	UG/L	SW-6-031705	503077-008	NM	3/17/2005	3/29/2005	3/29/2005	12	0	12
OV	UG/L	TB031705	503077-001	NM	3/17/2005	3/28/2005	3/28/2005	11	0	11
OV	UG/L	SW-7-031705RE	503077-006RE	NM	3/17/2005	3/29/2005	3/29/2005	12	0	12

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
OV	UG/L	SW-7-031705	503077-006	NM	3/17/2005	3/28/2005	3/28/2005	11	0	11
OV	UG/L	SW-3-031705	503077-014RE	NM	3/17/2005	3/29/2005	3/29/2005	12	0	12
OV	UG/L	SW-2-031705	503077-004	NM	3/17/2005	3/29/2005	3/29/2005	12	0	12
OV	UG/L	SW-1-031705	503077-002	NM	3/17/2005	3/29/2005	3/29/2005	12	0	12
OV	UG/L	SW-4-031705	503077-012	NM	3/17/2005	3/29/2005	3/29/2005	12	0	12
OV	UG/L	SW-5-031705	503077-010	NM	3/17/2005	3/29/2005	3/29/2005	12	0	12
PCB	%	SW-5-031705	503077-010	NM	3/17/2005	3/22/2005	4/5/2005	5	14	19
PCB	%	SW-6-031705	503077-008	NM	3/17/2005	3/22/2005	4/5/2005	5	14	19
PCB	%	SW-4-031705	503077-012	NM	3/17/2005	3/22/2005	4/5/2005	5	14	19
PCB	%	SW-3-031705	503077-014	NM	3/17/2005	3/22/2005	4/5/2005	5	14	19
PCB	%	SW-1-031705	503077-002	NM	3/17/2005	3/22/2005	4/5/2005	5	14	19
PCB	%	SD-3-031705	503077-017	NM	3/17/2005	3/25/2005	3/30/2005	8	5	13
PCB	%	SD-1-031705	503077-016	NM	3/17/2005	3/25/2005	3/30/2005	8	5	13
PCB	%	SD-04-031705	503077-018	NM	3/17/2005	3/25/2005	3/30/2005	8	5	13
PCB	%	SW-2-031705	503077-004	NM	3/17/2005	3/22/2005	4/5/2005	5	14	19
PCB	%	SW-7-031705	503077-006	NM	3/17/2005	3/22/2005	4/5/2005	5	14	19
PCB	UG/KG	SD-3-031705	503077-017	NM	3/17/2005	3/25/2005	3/30/2005	8	5	13
PCB	UG/KG	SD-04-031705	503077-018	NM	3/17/2005	3/25/2005	3/30/2005	8	5	13

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
PCB	UG/KG	SD-1-031705	503077-016	NM	3/17/2005	3/25/2005	3/30/2005	8	5	13
PCB	UG/L	SW-7-031705	503077-006	NM	3/17/2005	3/22/2005	4/5/2005	5	14	19
PCB	UG/L	SW-6-031705	503077-008	NM	3/17/2005	3/22/2005	4/5/2005	5	14	19
PCB	UG/L	SW-5-031705	503077-010	NM	3/17/2005	3/22/2005	4/5/2005	5	14	19
PCB	UG/L	SW-4-031705	503077-012	NM	3/17/2005	3/22/2005	4/5/2005	5	14	19
PCB	UG/L	SW-3-031705	503077-014	NM	3/17/2005	3/22/2005	4/5/2005	5	14	19
PCB	UG/L	SW-1-031705	503077-002	NM	3/17/2005	3/22/2005	4/5/2005	5	14	19
PCB	UG/L	SW-2-031705	503077-004	NM	3/17/2005	3/22/2005	4/5/2005	5	14	19

GPL LABORATORIES, LLLP

7210A Corporate Court
Frederick, MD 21703
(301) 694-5310
Fax (301) 620-0731

Contract #/Billing Reference:

1 of 1 Pgs.

Project: LMC MIDDLE RIVER
Client: T+NUS
Send Results To: Brett Bradersen
Address: 20251 Century Blvd.
Germantown, MD
Phone: 301-528-3056

Sample ID#	Date Sampled	Time Sampled	Sample Matrix	Sampler's Initials	VOCs (8260 B)	SVOCs (8270 C)	Total Priority Pollutant Metals	Dissolved Priority Pollutant Metals	PCBs (8082)	Hex. Chrom. (7196 A)	Lab Cooler No.	CLIENT COMMENTS
Turnaround Time												
# of Containers					3	2	1	1	2	1		
Container Type					40ml VOA's	1L Amber	1LP	1LP	1L Amber	250mL Poly		
Preservative Used					HCL	ICE	HNO3	HNO3	ICE	ICE		
TB031705	3/17/05	0000	GW	CCL/WP	X							
SW-1-0317-05		0925			X	X	X	X	X	X		
SW-2-0317-05		1227			X	X	X	X	X	X		
SW-7-0317-05		1249			X	X	X	X	X	X		
SW-6-0317-05		1305			X	X	X	X	X	X		
SW-5-0317-05		1320			X	X	X	X	X	X		
SW-4-0317-05		1400			X	X	X	X	X	X		
SW-3-0317-05 *		1430			X	X	X	X	X	X		MS/MSD

Relinquished By:	Date/Time	Received By:	Relinquished By:	Received for Laboratory By:	Date/Time
		Solomon		Solomon	3/17/05 1600
Relinquished By:	Date/Time	Received By:	Date/Time	Shipper:	Airbill No.:
[signature]	3/17/05 1545				
Relinquished By:	Date/Time	Received By:	Lab Comments:		Temp:
					2.0

G.P. W.O. 503077

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GPL LABORATORIES, LLLP

7210A Corporate Court
Frederick, MD 21703
(301) 694-5310
Fax (301) 620-0731

Contract #/Billing Reference

1 of 1 Pgs.

Project: LMC- MIDDLE RIVER
Client: TETRA TECH NUS
Send Results To: Brett Brodersen
Address: 20251 Century Blvd.
Germantown, MD.
Phone: 301-528-3056

Sample ID#	Date Sampled	Time Sampled	Sample Matrix	Sampler's Initials	VOCs (8260 B)	SVOCs (8270 C) PCBs (8082)	Total Pb, Pulp Met MetIS / Hg Chem								Lab Cooler No.	CLIENT COMMENTS
Turnaround Time																
# of Containers					1	1	1									
Container Type					4oz.	8oz.	8oz.									
Preservative Used					ICE	ICE	ICE									
SD-1-031705	3/17/05	0937	SD	WP/BB	X	X	X ✓									
SD-3-031705	↓	1010	SD	WP/BB	X	X	X ✓									
SD-04-031705	↓	1230	SD	BB	X	X	X ✓									

Relinquished By:	Date/Time	Received By:	Relinquished By:	Received for Laboratory By:	Date/Time
[signature]	3/17/05 1545	Solomon		Solomon	3/17/05 6:00 pm

Relinquished By:	Date/Time	Received By:	Date/Time	Shipper:	Airbill No.:

Relinquished By:	Date/Time	Received By:	Lab Comments:	Temp:
				7.0

G.P. W.O. 505077

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Analytical Report For 503077

for

Tetra Tech NUS

Project Manager: Michael Martin

Project Name: Middle River

GPL

Laboratories

GPL Laboratories, LLLP certifies that the test results meet all requirements of the NELAC Standards unless otherwise noted

Reviewed By,
Project Manager

Approved By,
Laboratory Director

The Case Narrative, Chain of Custody, Sample Receipt Checklist, and the cover page of the Sample Analysis Report, are integral parts of GPL Laboratories' report package. If you did not receive all of these documents, please contact GPL immediately.

Sample Receipt

Fifteen water and Three soil samples were received on 03/17/2005. The samples were delivered by GPL courier. Sample receipt conditions and temperatures are documented on the Sample Receipt checklist.

Sample Analysis

Samples were prepared and analyzed by GPL using the analytical methodologies indicated on the Sample Analysis Summary Report. In some chromatographic analyses, manual integration is used instead of automated integration because it produces more accurate results. All manual integrations are denoted on the sample quantitation report. Analysis results and limits for soil are reported on a dry weight basis unless otherwise specified on the report.

Volatiles

Eight water and three soil samples were analyzed for volatile organic compounds using SW846 method 8260B. Analyses of the samples were performed within holding time.

Samples SW-3-031705 and SW-7-031705 had internal standard recoveries below the QC limits. Sample SW-7-031705 had one surrogate recovery below QC limits as well. Both samples were rerun within holding time and data reports for all analyses were submitted with this package. Data is reported from reanalyses.

Matrix spike and matrix spike duplicate analyses were performed on samples SW-3-031705 and SD-4-031705. Sample SW-3-031705MS/MSD had recovery of chlorobenzene below QC limits. Sample SD-4-031705MS/MSD had low spike recoveries.

Three laboratory control spikes (LCS) were analyzed along with the sample batch. All recoveries were within QC limits.

Manual integration was performed on some peaks that were improperly integrated by the software. The manually integrated compounds are designated by an "m" next to the area of the quantitation report, and chromatograms for these compounds were submitted.

Semivolatiles

Seven water and three soil samples were extracted using methods 3520C and 3550B, respectively. The samples were analyzed for semi-volatile organic compounds using method 8270C.

All surrogate recoveries were within QC limits.

For the waters, matrix spike and duplicate analysis was performed on sample SW-3-031705. All matrix spike recoveries were within QC limits. A laboratory control sample was also extracted and analyzed with this batch. All spike recoveries were within QC limits.

For the soils, QC was shared with work order 503094. Matrix spike and duplicate analysis was performed on sample SD-6-031805. All matrix spiike recoveries were within QC limits. A laboratory control sample was also extracted and analyzed with this batch. All spike recoveries were within QC limits.

Extraction and analysis holding times were met.

PCBs

Three soil and seven water samples were extracted and analyzed for PCB compounds using method 8082A.

Matrix spike and matrix spike duplicate analyses for soils were shared with work order 503094. PCB -1016 on both and PCB-1260 on MS were outside QC limits due to matrix effect. RPD for both was outside QC limits. Matrix spike and duplicate analyses for waters were performed on SW-3-031705. All recoveries were within QC limits.

A laboratory control sample was extracted and analyzed along with the soil and water samples. Recoveries were within control limits.

All samples were extracted and analyzed within holding times.

All other analyses met QC criteria.

Metals

Fourteen water samples and three soil samples were analyzed for PP metals by EPA SW846 methods. The water samples were analyzed by ICPMS in order to meet the required reporting limits

A matrix spike and duplicate were performed on samples SW-3-031705 and SW-3-031705FIL for all analytes. Serial dilutions were also performed for ICPMS analytes. A duplicate RPD on sample SW-3-031705 was outside of the control limit for copper; all associates data were flagged with an "*". The serial dilution on sample SW-3-031705 was outside of the control limits for copper, nickel, and zinc; all associated data were flagged with an "E".

A matrix spike, duplicate, and serial dilution were performed on the batch sample 503117-001 for all required ICP analytes. The matrix spike was outside of the control limits for antimony, beryllium, and chromium; all associated data were flagged with an "N". A post digestion analytical spike was performed with a recovery 118.1% for beryllium. No control limit applied to the matrix spike for arsenic due to an insignificant spike addition. A duplicate was outside of the control limits for arsenic, beryllium, and chromium; all associated data were flagged with an "*".

A matrix spike and duplicate were performed on the batch sample 503094-005 for mercury. . A duplicate was outside of the control limits for mercury; all associated data were flagged with an "*".

Calibration standards are verified against independent check standards purchased from a commercial vendor of environmental standards.

All GPL QA/QC criteria were met with the exceptions of those mentioned above.

General Chemistry

Seven water samples were analyzed for Hexavalent Chromium by SW846 method 7196A. Three soil samples were digested by method 3060A and were also analyzed for Hexavalent Chromium by method 7196A.

Duplicate and matrix spike analyses for water were performed on sample SW-3-031705. Duplicate and matrix spike analyses for soil were shared with GPL work order 503094.

A laboratory control sample was digested and analyzed along with the soil batch.

All QC criteria were met.

Pat Jensen

Reviewed By,
Project Manager

Approved By,
Laboratory Director

Sample Summary Report

Tetra Tech NUS

Work Order: 503077

Client Sample ID	Lab Sample ID	Analytical Method	Matrix	Date Sampled	Date Recieved
SW-1-031705	503077-002-003-1/3	SW8260B	WATER	03/17/2005	03/17/2005
	503077-002-030-1/2	SW8270C			
	503077-002-048-1/2	SW8082			
	503077-002-042-1/1	SW6020			
	503077-002-042-1/1	SW7470A			
	503077-002-060-1/1	SW7196A			
SW-1-031705FIL	503077-003-066-1/1FIL	SW6020	WATER	03/17/2005	03/17/2005
	503077-003-066-1/1FIL	SW7470A			
SW-2-031705	503077-004-006-1/3	SW8260B	WATER	03/17/2005	03/17/2005
	503077-004-032-1/2	SW8270C			
	503077-004-050-1/2	SW8082			
	503077-004-043-1/1	SW6020			
	503077-004-043-1/1	SW7470A			
	503077-004-061-1/1	SW7196A			
SW-2-031705FIL	503077-005-067-1/1FIL	SW6020	WATER	03/17/2005	03/17/2005
	503077-005-067-1/1FIL	SW7470A			
SW-3-031705	503077-014-021-1/9	SW8260B	WATER	03/17/2005	03/17/2005
	503077-014-072-1/6	SW8270C			
	503077-014-081-1/5	SW8082			
	503077-014-078-1/3	SW6020			
	503077-014-078-1/3	SW7470A			
	503077-014-086-1/3	SW7196A			
SW-3-031705FIL	503077-015-089-1/3FIL	SW6020	WATER	03/17/2005	03/17/2005
	503077-015-089-1/3FIL	SW7470A			
SW-3-031705RE	503077-014-022-2/9RE	SW8260B	WATER	03/17/2005	03/17/2005
SW-4-031705	503077-012-018-1/3	SW8260B	WATER	03/17/2005	03/17/2005
	503077-012-040-1/2	SW8270C			
	503077-012-058-1/2	SW8082			
	503077-012-047-1/1	SW6020			
	503077-012-047-1/1	SW7470A			
	503077-012-065-1/1	SW7196A			
SW-4-031705FIL	503077-013-071-1/1FIL	SW6020	WATER	03/17/2005	03/17/2005

Sample Summary Report

Tetra Tech NUS

Work Order: 503077

Client Sample ID	Lab Sample ID	Analytical Method	Matrix	Date Sampled	Date Recieved
	503077-013-071-1/1FIL	SW7470A			
SW-5-031705	503077-010-015-1/3	SW8260B	WATER	03/17/2005	03/17/2005
	503077-010-038-1/2	SW8270C			
	503077-010-056-1/2	SW8082			
	503077-010-046-1/1	SW6020			
	503077-010-046-1/1	SW7470A			
	503077-010-064-1/1	SW7196A			
SW-5-031705FIL	503077-011-070-1/1FIL	SW6020	WATER	03/17/2005	03/17/2005
	503077-011-070-1/1FIL	SW7470A			
SW-6-031705	503077-008-012-1/3	SW8260B	WATER	03/17/2005	03/17/2005
	503077-008-036-1/2	SW8270C			
	503077-008-054-1/2	SW8082			
	503077-008-045-1/1	SW6020			
	503077-008-045-1/1	SW7470A			
	503077-008-063-1/1	SW7196A			
SW-6-031705FIL	503077-009-069-1/1FIL	SW6020	WATER	03/17/2005	03/17/2005
	503077-009-069-1/1FIL	SW7470A			
SW-7-031705	503077-006-009-1/3	SW8260B	WATER	03/17/2005	03/17/2005
	503077-006-034-1/2	SW8270C			
	503077-006-052-1/2	SW8082			
	503077-006-044-1/1	SW6020			
	503077-006-044-1/1	SW7470A			
	503077-006-062-1/1	SW7196A			
SW-7-031705FIL	503077-007-068-1/1FIL	SW6020	WATER	03/17/2005	03/17/2005
	503077-007-068-1/1FIL	SW7470A			
SW-7-031705RE	503077-006-010-2/3RE	SW8260B	WATER	03/17/2005	03/17/2005
TB031705	503077-001-001-1/2	SW8260B	WATER	03/17/2005	03/17/2005
SD-04-031705	503077-018-094-1/1	SW8260B	SOIL	03/17/2005	03/17/2005
	503077-018-097-1/1	SW8270C			
	503077-018-097-1/1	SW8082			
	503077-018-100-1/1	SW6010B			
	503077-018-100-1/1	SW7471A			

Sample Summary Report

Tetra Tech NUS

Work Order: 503077

Client Sample ID	Lab Sample ID	Analytical Method	Matrix	Date Sampled	Date Recieved
	503077-018-100-1/1	CLP_SOLIDS			
	503077-018-100-1/1	SW7196A			
SD-1-031705	503077-016-092-1/1	SW8260B	SOIL	03/17/2005	03/17/2005
	503077-016-095-1/1	SW8270C			
	503077-016-095-1/1	SW8082			
	503077-016-098-1/1	SW6010B			
	503077-016-098-1/1	SW7471A			
	503077-016-098-1/1	CLP_SOLIDS			
	503077-016-098-1/1	SW7196A			
SD-3-031705	503077-017-093-1/1	SW8260B	SOIL	03/17/2005	03/17/2005
	503077-017-096-1/1	SW8270C			
	503077-017-096-1/1	SW8082			
	503077-017-099-1/1	SW6010B			
	503077-017-099-1/1	SW7471A			
	503077-017-099-1/1	CLP_SOLIDS			
	503077-017-099-1/1	SW7196A			

GPL - Maryland Laboratory

Metals Data Reporting Form

Initial Calibration Verification Standar **SDG:** 503077S

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

Chart Number: 050323.ARC **Acceptable Range:** 90% - 110%

Standard Source: HIGH PURITY **Standard ID:**

Element	WL/ Mass	True Conc	IVICV 3/23/2005 5:56 PM Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec
Antimony	206.838	400.0	419.37	**104.8**								
Arsenic	189.042	400.0	403.67	**100.9**								
Beryllium	313.042	40.0	40.60	**101.5**								
Cadmium	226.502	40.0	42.61	**106.5**								
Chromium	267.716	400.0	391.70	**97.9**								
Copper	324.753	400.0	397.34	**99.3**								
Lead	220.353	400.0	413.85	**103.5**								
Nickel	231.604	400.0	405.24	**101.3**								
Selenium	196.026	400.0	413.08	**103.3**								
Silver	328.068	400.0	402.86	**100.7**								
Thallium	190.864	400.0	411.32	**102.8**								
Zinc	206.2	400.0	402.80	**100.7**								

GPL - Maryland Laboratory

Metals Data Reporting Form

Initial Calibration Verification Standar **SDG:** 503077S

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

Chart Number: Hg050331.PRN **Acceptable Range:** 90% - 110%

Standard Source: CPI **Standard ID:**

Element	WL/ Mass	True Conc	Ck2 ICV 3/31/2005 10:28 AM Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec
Mercury	253.7	5.0	4.83	**96.6**								

GPL - Maryland Laboratory

Metals Data Reporting Form

Initial Calibration Verification Standar SDG: 503077S

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

Chart Number: 050324.ARC **Acceptable Range:** 90% - 110%

Standard Source: HIGH PURITY **Standard ID:**

Element	WL/ Mass	True Conc	IVICV 3/24/2005 2:07 PM Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec
Chromium	267.716	400.0	389.94	**97.5**								
Lead	220.353	400.0	412.85	**103.2**								
Selenium	196.026	400.0	417.03	**104.3**								
Silver	328.068	400.0	402.33	**100.6**								
Thallium	190.864	400.0	410.24	**102.6**								

GPL - Maryland Laboratory

Metals Data Reporting Form

Continuing Calibration Verification **SDG:** 503077S

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

Chart Number: 050323.ARC **Acceptable Range:** 90% - 110%

Standard Source: HIGH PURITY **Standard ID:**

Element	WL/ Mass	True Conc	CVCCV 3/23/2005 6:11 PM Found	% Rec	CVCCV3 3/23/2005 7:18 PM Found	% Rec	CVCCV3 3/23/2005 8:54 PM Found	% Rec	CVCCV3 3/23/2005 10:30 PM Found	% Rec	CVCCV4 3/24/2005 12:06 AM Found	% Rec
Antimony	206.838	500.0	501.89	**100.4**	505.63	**101.1**	513.74	**102.7**	510.97	**102.2**	507.89	**101.6**
Arsenic	189.042	500.0	496.85	**99.4**	501.03	**100.2**	502.20	**100.4**	502.03	**100.4**	499.60	**99.9**
Beryllium	313.042	50.0	48.86	**97.7**	49.68	**99.4**	49.43	**98.9**	49.62	**99.2**	50.36	**100.7**
Cadmium	226.502	500.0	483.27	**96.7**	493.64	**98.7**	486.54	**97.3**	489.69	**97.9**	499.85	**100.0**
Chromium	267.716	500.0	489.59	**97.9**	499.22	**99.8**	497.56	**99.5**	498.67	**99.7**	504.56	**100.9**
Copper	324.753	500.0	498.35	**99.7**	503.62	**100.7**	506.14	**101.2**	508.08	**101.6**	509.12	**101.8**
Lead	220.353	500.0	489.02	**97.8**	498.92	**99.8**	500.12	**100.0**	500.25	**100.1**	504.62	**100.9**
Nickel	231.604	500.0	482.66	**96.5**	490.78	**98.2**	485.75	**97.2**	489.83	**98.0**	497.89	**99.6**
Selenium	196.026	500.0	494.52	**98.9**	506.29	**101.3**	507.81	**101.6**	509.46	**101.9**	512.07	**102.4**
Silver	328.068	500.0	505.36	**101.1**	512.57	**102.5**	519.58	**103.9**	520.44	**104.1**	518.02	**103.6**
Thallium	190.864	500.0	488.48	**97.7**	503.15	**100.6**	510.57	**102.1**	496.28	**99.3**	510.87	**102.2**
Zinc	206.2	500.0	481.25	**96.3**	493.72	**98.7**	492.95	**98.6**	492.70	**98.5**	500.61	**100.1**

GPL - Maryland Laboratory

Metals Data Reporting Form

Continuing Calibration Verification **SDG:** 503077S

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

Chart Number: 050323.ARC **Acceptable Range:** 90% - 110%

Standard Source: HIGH PURITY **Standard ID:**

Element	WL/ Mass	True Conc	CVCCV4 3/24/2005 1:42 AM Found	% Rec	CVCCV4 3/24/2005 3:18 AM Found	% Rec	CVCCV5 3/24/2005 4:54 AM Found	% Rec	CVCCV5 3/24/2005 6:22 AM Found	% Rec	Found	% Rec
Antimony	206.838	500.0	505.08	**101.0**	500.17	**100.0**	504.57	**100.9**	506.33	**101.3**		
Arsenic	189.042	500.0	500.43	**100.1**	495.58	**99.1**	497.37	**99.5**	502.62	**100.5**		
Beryllium	313.042	50.0	50.20	**100.4**	50.20	**100.4**	50.08	**100.2**	50.65	**101.3**		
Cadmium	226.502	500.0	495.95	**99.2**	495.22	**99.0**	491.38	**98.3**	502.80	**100.6**		
Chromium	267.716	500.0	502.21	**100.4**	500.46	**100.1**	500.05	**100.0**	505.52	**101.1**		
Copper	324.753	500.0	512.38	**102.5**	505.77	**101.2**	507.32	**101.5**	507.81	**101.6**		
Lead	220.353	500.0	502.96	**100.6**	501.34	**100.3**	501.11	**100.2**	511.12	**102.2**		
Nickel	231.604	500.0	493.14	**98.6**	495.29	**99.1**	490.43	**98.1**	500.84	**100.2**		
Selenium	196.026	500.0	510.30	**102.1**	505.91	**101.2**	507.92	**101.6**	514.42	**102.9**		
Silver	328.068	500.0	518.45	**103.7**	515.08	**103.0**	515.78	**103.2**	517.29	**103.5**		
Thallium	190.864	500.0	503.30	**100.7**	500.73	**100.1**	500.57	**100.1**	507.95	**101.6**		
Zinc	206.2	500.0	493.37	**98.7**	497.70	**99.5**	493.69	**98.7**	508.20	**101.6**		

GPL - Maryland Laboratory

Metals Data Reporting Form

Continuing Calibration Verification **SDG:** 503077S

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

Chart Number: 050324.ARC **Acceptable Range:** 90% - 110%

Standard Source: HIGH PURITY **Standard ID:**

Element	WL/ Mass	True Conc	CVCCV 3/24/2005 2:33 PM Found	% Rec	CVCCV3 3/24/2005 3:46 PM Found	% Rec	CVCCV3 3/24/2005 5:26 PM Found	% Rec	Found	% Rec	Found	% Rec
Chromium	267.716	500.0	495.07	**99.0**	490.90	**98.2**	494.73	**98.9**				
Lead	220.353	500.0	493.30	**98.7**	490.83	**98.2**	496.29	**99.3**				
Selenium	196.026	500.0	497.80	**99.6**	499.72	**99.9**	511.43	**102.3**				
Silver	328.068	500.0	511.43	**102.3**	509.39	**101.9**	515.01	**103.0**				
Thallium	190.864	500.0	490.81	**98.2**	497.27	**99.5**	498.69	**99.7**				

GPL - Maryland Laboratory

Metals Data Reporting Form

Continuing Calibration Verification **SDG:** 503077S

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

Chart Number: Hg050331.PRN **Acceptable Range:** 80% - 120%

Standard Source: ABSOLUTE **Standard ID:**

Element	WL/ Mass	True Conc	Ck5 CCV 3/31/2005 10:35 AM Found	% Rec	Ck5 CCV 3/31/2005 11:02 AM Found	% Rec	Ck5 CCV 3/31/2005 11:28 AM Found	% Rec	Ck5 CCV 3/31/2005 11:54 AM Found	% Rec	Ck5 CCV 3/31/2005 12:21 PM Found	% Rec
Mercury	253.7	5.0	5.10	**102.0**	5.05	**101.0**	5.06	**101.2**	5.07	**101.4**	5.09	**101.8**

GPL - Maryland Laboratory

Metals Data Reporting Form

Initial Calibration Verification Standar **SDG:** 503077W

Instrument: ICPMS **Units:** ug/L

Chart Number: 050404MS.csv **Acceptable Range:** 90% - 110%

Standard Source: ABSOLUTE **Standard ID:** ICV

Element	WL/ Mass	True Conc	ICV 4/4/2005 2:18 PM Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec
Antimony	121	40.0	42.20	**105.5**								
Arsenic	75	40.0	40.15	**100.4**								
Beryllium	9	4.0	4.16	**104.1**								
Cadmium	110	4.0	4.21	**105.2**								
Chromium	52	40.0	38.53	**96.3**								
Copper	65	40.0	39.35	**98.4**								
Lead	208	40.0	41.22	**103.1**								
Nickel	60	40.0	40.79	**102.0**								
Selenium	82	40.0	41.41	**103.5**								
Silver	107	40.0	39.48	**98.7**								
Thallium	203	40.0	40.52	**101.3**								
Zinc	66	40.0	40.87	**102.2**								

GPL - Maryland Laboratory

Metals Data Reporting Form

Initial Calibration Verification Standar **SDG:** 503077W

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

Chart Number: HG050322.PRN **Acceptable Range:** 80% - 120%

Standard Source: CPI **Standard ID:**

Element	WL/ Mass	True Conc	Ck2 ICV 3/22/2005 10:14 AM Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec
Mercury	253.7	5.0	5.21	**104.2**								

GPL - Maryland Laboratory

Metals Data Reporting Form

Continuing Calibration Verification **SDG:** 503077W

Instrument: ICPMS **Units:** ug/L

Chart Number: 050404MS.csv **Acceptable Range:** 90% - 110%

Standard Source: HIGH PURITY **Standard ID:** CCV

Element	WL/ Mass	True Conc	CCV 4/4/2005 2:28 PM Found	% Rec	CCV 4/4/2005 3:13 PM Found	% Rec	CCV 4/4/2005 4:29 PM Found	% Rec	CCV 4/4/2005 5:45 PM Found	% Rec	CCV 4/4/2005 7:01 PM Found	% Rec
Antimony	121	50.0	51.64	**103.3**	50.79	**101.6**	51.96	**103.9**	52.30	**104.6**	51.81	**103.6**
Arsenic	75	50.0	50.24	**100.5**	50.85	**101.7**	49.75	**99.5**	49.01	**98.0**	48.55	**97.1**
Beryllium	9	50.0	5.10	**101.9**	5.20	**104.1**	4.93	**98.7**	5.12	**102.3**	4.98	**99.6**
Cadmium	110	50.0	51.04	**102.1**	50.11	**100.2**	51.05	**102.1**	51.45	**102.9**	50.86	**101.7**
Chromium	52	50.0	49.34	**98.7**	50.16	**100.3**	49.41	**98.8**	49.26	**98.5**	48.85	**97.7**
Copper	65	50.0	49.54	**99.1**	50.97	**101.9**	47.99	**96.0**	47.04	**94.1**	47.04	**94.1**
Lead	208	50.0	51.07	**102.1**	51.53	**103.1**	51.62	**103.2**	51.89	**103.8**	51.61	**103.2**
Nickel	60	50.0	50.45	**100.9**	50.77	**101.5**	48.54	**97.1**	48.01	**96.0**	48.06	**96.1**
Selenium	82	50.0	51.18	**102.4**	51.68	**103.4**	49.84	**99.7**	50.34	**100.7**	49.64	**99.3**
Silver	107	50.0	49.65	**99.3**	49.95	**99.9**	49.04	**98.1**	48.90	**97.8**	48.75	**97.5**
Thallium	203	50.0	50.27	**100.5**	51.24	**102.5**	50.35	**100.7**	50.67	**101.3**	50.42	**100.8**
Zinc	66	50.0	51.99	**104.0**	51.24	**102.5**	52.00	**104.0**	52.26	**104.5**	51.63	**103.3**

GPL - Maryland Laboratory

Metals Data Reporting Form

Continuing Calibration Verification **SDG:** 503077W

Instrument: ICPMS **Units:** ug/L

Chart Number: 050404MS.csv **Acceptable Range:** 90% - 110%

Standard Source: HIGH PURITY **Standard ID:** CCV

Element	WL/ Mass	True Conc	CCV 4/4/2005 8:11 PM Found	% Rec	CCV 4/4/2005 9:21 PM Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec
Antimony	121	50.0	50.80	**101.6**	51.52	**103.0**						
Arsenic	75	50.0	50.29	**100.6**	50.92	**101.8**						
Beryllium	9	50.0	5.14	**102.8**	5.18	**103.5**						
Cadmium	110	50.0	50.38	**100.8**	49.94	**99.9**						
Chromium	52	50.0	49.50	**99.0**	49.66	**99.3**						
Copper	65	50.0	50.04	**100.1**	50.50	**101.0**						
Lead	208	50.0	51.42	**102.8**	51.33	**102.7**						
Nickel	60	50.0	49.28	**98.6**	50.67	**101.3**						
Selenium	82	50.0	50.89	**101.8**	51.62	**103.2**						
Silver	107	50.0	49.05	**98.1**	49.63	**99.3**						
Thallium	203	50.0	50.13	**100.3**	49.97	**99.9**						
Zinc	66	50.0	52.37	**104.7**	51.40	**102.8**						

GPL - Maryland Laboratory

Metals Data Reporting Form

Continuing Calibration Verification **SDG:** 503077W

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

Chart Number: HG050322.PRN **Acceptable Range:** 80% - 120%

Standard Source: ABSOLUTE **Standard ID:**

Element	WL/ Mass	True Conc	Ck5 CCV 3/22/2005 10:20 AM Found	% Rec	Ck5 CCV 3/22/2005 10:44 AM Found	% Rec	Ck5 CCV 3/22/2005 11:09 AM Found	% Rec	Ck5 CCV 3/22/2005 11:35 AM Found	% Rec	Ck5 CCV 3/22/2005 11:54 AM Found	% Rec
Mercury	253.7	5.0	5.27	**105.4**	5.18	**103.6**	5.23	**104.6**	5.26	**105.2**	5.26	**105.2**

GPL Laboratories, LLLP
Initial/Continuing Calibration Verification
Hexavalent Chromium Analysis

Client	Tetra Tech NUS	**Analysis Method:**	SW7196A
Work Order:	503077	**Analysis Date:**	04/03/2005 12:57 PM
Matrix:	WATER	**Analytical Batch:**	75266
		Standard Solution ID:	29766

Lab Sample ID	QC Type	True Value	Reported Conc.	Percent Recovery	Acceptable Limits
ICV	ICV	0.25	0.27	107.4%	85 - 115
CCV1	CCV	0.25	0.26	106.0%	85 - 115
CCV2	CCV	0.25	0.26	106.0%	85 - 115

GPL Laboratories, LLLP
Initial/Continuing Calibration Verification
Hexavalent Chromium Analysis

Client	Tetra Tech NUS	**Analysis Method:**	SW7196A
Work Order:	503077	**Analysis Date:**	03/18/2005 8:50 AM
Matrix:	WATER	**Analytical Batch:**	0
		Standard Solution ID:	29766

Lab Sample ID	QC Type	True Value	Reported Conc.	Percent Recovery	Acceptable Limits
ICV	ICV	0.25	0.27	106.1%	85 - 115
CCV1	CCV	0.25	0.25	101.6%	85 - 115

GPL - Maryland Laboratory

Metals Data Reporting Form

Contract Required Detection Limit Standard **SDG:** 503077S

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

Chart Number: 050323.ARC **Acceptable Range:** 70% - 130%

Standard Source: HIGH PURITY **Standard ID:**

Element	WL/ Mass	True Conc	REPORTING LIMIT 3/23/2005 6:27 PM Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec
Antimony	206.838	20.0	21.32	**106.6**								
Arsenic	189.042	20.0	18.80	**94.0**								
Beryllium	313.042	2.0	1.97	**98.7**								
Cadmium	226.502	6.0	6.05	**100.8**								
Chromium	267.716	5.0	4.45	**89.0**								
Copper	324.753	10.0	9.87	**98.7**								
Lead	220.353	10.0	11.23	**112.3**								
Nickel	231.604	10.0	10.45	**104.5**								
Selenium	196.026	20.0	22.30	**111.5**								
Silver	328.068	3.0	2.98	**99.4**								
Thallium	190.864	30.0	31.13	**103.8**								
Zinc	206.2	20.0	20.60	**103.0**								

GPL - Maryland Laboratory

Metals Data Reporting Form

Contract Required Detection Limit Standard **SDG:** 503077S

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

Chart Number: 050324.ARC **Acceptable Range:** 70% - 130%

Standard Source: HIGH PURITY **Standard ID:**

Element	WL/ Mass	True Conc	REPORTING LIMIT 3/24/2005 2:48 PM Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec
Chromium	267.716	5.0	4.64	**92.9**								
Lead	220.353	10.0	10.60	**106.0**								
Selenium	196.026	20.0	19.48	**97.4**								
Silver	328.068	3.0	3.14	**104.7**								
Thallium	190.864	30.0	26.46	**88.2**								

GPL - Maryland Laboratory

Metals Data Reporting Form

Contract Required Detection Limit Standard **SDG:** 503077W

Instrument: ICPMS **Units:** ug/L

Chart Number: 050404MS.csv **Acceptable Range:** 0% - 0%

Standard Source: HIGH PURITY **Standard ID:**

Element	WL/ Mass	True Conc	PQL 4/4/2005 2:39 PM Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec	Found	% Rec
Antimony	121	1.0	1.10	**110.0**								
Arsenic	75	5.0	4.91	**98.3**								
Beryllium	9	0.2	0.22	**108.2**								
Cadmium	110	0.5	0.48	**96.8**								
Chromium	52	2.0	1.64	**82.1**								
Copper	65	2.0	1.37	**68.7**								
Lead	208	2.0	2.01	**100.7**								
Nickel	60	1.0	1.02	**102.1**								
Selenium	82	5.0	5.16	**103.3**								
Silver	107	0.3	0.31	**104.0**								
Thallium	203	2.0	2.10	**105.2**								
Zinc	66	10.0	10.52	**105.2**								

GPL - Maryland Laboratory

Metals Data Reporting Form

Preparation Blank Results **SDG:** 503077S

Lab Sample ID: BLK74546

Matrix: Soil **Units:** mg/kg **Prep Date:** 3/23/05 **Prep Batch:** 74546

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

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Antimony	206.838	0.33	2.0	0.33	U	1	ICPST	3/24/05	4:14
Arsenic	189.042	0.38	2.0	0.38	U	1	ICPST	3/24/05	4:14
Beryllium	313.042	0.013	0.20	0.013	U	1	ICPST	3/24/05	4:14
Cadmium	226.502	0.035	0.60	0.035	U	1	ICPST	3/24/05	4:14
Chromium	**267.716**	**0.046**	**0.50**	**0.057**	**B**	**1**	**ICPST**	**3/24/05**	**4:14**
Copper	324.753	0.088	1.0	0.088	U	1	ICPST	3/24/05	4:14
Lead	**220.353**	**0.13**	**1.0**	**0.28**	**B**	**1**	**ICPST**	**3/24/05**	**4:14**
Nickel	231.604	0.061	1.0	-0.45	B	1	ICPST	3/24/05	4:14
Selenium	196.026	0.64	2.0	0.64	U	1	ICPST	3/24/05	4:14
Silver	328.068	0.13	0.30	0.13	U	1	ICPST	3/24/05	4:14
Thallium	190.864	0.39	3.0	-0.64	B	1	ICPST	3/24/05	4:14
Zinc	206.2	0.57	2.0	0.57	U	1	ICPST	3/24/05	4:14

Comments:

5.11.0

U Result is less than the IDL

B Result is between IDL and RL

Form 3 Equivalent

GPL - Maryland Laboratory

Metals Data Reporting Form

Preparation Blank Results **SDG:** 503077S

Lab Sample ID: BLK74552

Matrix: Soil **Units:** mg/kg **Prep Date:** 3/24/05 **Prep Batch:** 74552

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	0.017	0.033	0.017	U	1	CVAA	3/31/05	11:44

Comments: Color(Before): BLACK Color(After): YELLOW Clarity(After): CLEAR Texture: FINE

5.11.0

U Result is less than the IDL

B Result is between IDL and RL

Form 3 Equivalent

GPL - Maryland Laboratory

Metals Data Reporting Form

Initial Calibration Blank Results **SDG:** 503077S

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

Chart Number: 050323.ARC

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

Element	WL/ Mass	Report Limit	IBICB 3/23/2005 6:03 PM Found	Q	Found	Q	Found	Q	Found	Q	Found	Q
Antimony	206.838	20	3.3	U								
Arsenic	189.042	20	3.8	U								
Beryllium	313.042	2	0.1	U								
Cadmium	226.502	6	0.4	U								
Chromium	267.716	5	0.5	U								
Copper	324.753	10	0.9	U								
Lead	220.353	10	**2.1**	**B**								
Nickel	231.604	10	**-0.8**	**B**								
Selenium	196.026	20	6.4	U								
Silver	328.068	3	1.3	U								
Thallium	190.864	30	**-4.2**	**B**								
Zinc	206.2	20	5.7	U								

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

Form 3 Equivalent

GPL - Maryland Laboratory

Metals Data Reporting Form

Initial Calibration Blank Results **SDG:** 503077S

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

Chart Number: 050324.ARC

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

Element	WL/ Mass	Report Limit	IBICB 3/24/2005 2:25 PM Found	Q	Found	Q	Found	Q	Found	Q	Found	Q
Chromium	267.716	5	-0.5	B								
Lead	220.353	10	1.3	U								
Selenium	196.026	20	6.4	U								
Silver	328.068	3	1.3	U								
Thallium	190.864	30	3.9	U								

U Result is less than the IDL

B Result is between IDL and RL

Form 3 Equivalent

GPL - Maryland Laboratory

Metals Data Reporting Form

Initial Calibration Blank Results **SDG:** 503077S

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

Chart Number: Hg050331.PRN

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

Element	WL/ Mass	Report Limit	Ck3 ICB 3/31/2005 10:31 AM Found	Q	Found	Q	Found	Q	Found	Q	Found	Q
Mercury	253.7	0.2	0.1	U								

5.11.0

U Result is less than the IDL

B Result is between IDL and RL

Form 3 Equivalent

GPL - Maryland Laboratory

Metals Data Reporting Form

Continuing Calibration Blank Result **SDG:** 503077S

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

Chart Number: 050323.ARC

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

Element	WL/ Mass	Report Limit	BCCCB 3/23/2005 6:19 PM Found	Q	BCCCB3 3/23/2005 7:26 PM Found	Q	BCCCB3 3/23/2005 9:02 PM Found	Q	BCCCB3 3/23/2005 10:38 PM Found	Q	BCCCB4 3/24/2005 12:14 AM Found	Q
Antimony	206.838	20	3.3	U	3.3	U	3.3	U	3.3	U	3.3	U
Arsenic	189.042	20	3.8	U	3.8	U	3.8	U	3.8	U	3.8	U
Beryllium	313.042	2	0.1	U	**0.1**	**B**	**0.2**	**B**	**0.1**	**B**	0.1	U
Cadmium	226.502	6	0.4	U	**0.5**	**B**	0.4	U	0.4	U	0.4	U
Chromium	267.716	5	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Copper	324.753	10	0.9	U	**1.3**	**B**	**0.9**	**B**	0.9	U	0.9	U
Lead	220.353	10	1.3	U	**2.3**	**B**	**1.8**	**B**	1.3	U	1.3	U
Nickel	231.604	10	0.6	U	**1.5**	**B**	0.6	U	0.6	U	0.6	U
Selenium	196.026	20	6.4	U	6.4	U	6.4	U	6.4	U	6.4	U
Silver	328.068	3	1.3	U	1.3	U	1.3	U	1.3	U	1.3	U
Thallium	190.864	30	**-3.9**	**B**	3.9	U	3.9	U	**-4.5**	**B**	3.9	U
Zinc	206.2	20	5.7	U	5.7	U	5.7	U	5.7	U	5.7	U

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

Form 3 Equivalent

GPL - Maryland Laboratory

Metals Data Reporting Form

Continuing Calibration Blank Result **SDG:** 503077S

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

Chart Number: 050323.ARC

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

Element	WL/ Mass	Report Limit	BCCCB4 3/24/2005 1:50 AM Found	Q	BCCCB4 3/24/2005 3:26 AM Found	Q	BCCCB5 3/24/2005 5:02 AM Found	Q	BCCCB5 3/24/2005 6:30 AM Found	Q	Found	Q
Antimony	206.838	20	3.3	U	3.3	U	3.3	U	**4.0**	**B**		
Arsenic	189.042	20	**-7.2**	**B**	3.8	U	3.8	U	3.8	U		
Beryllium	313.042	2	0.1	U	0.1	U	0.1	U	**0.2**	**B**		
Cadmium	226.502	6	0.4	U	0.4	U	0.4	U	0.4	U		
Chromium	267.716	5	0.5	U	0.5	U	0.5	U	0.5	U		
Copper	324.753	10	0.9	U	0.9	U	0.9	U	0.9	U		
Lead	220.353	10	**1.5**	**B**	1.3	U	**2.0**	**B**	1.3	U		
Nickel	231.604	10	0.6	U	**-0.7**	**B**	0.6	U	0.6	U		
Selenium	196.026	20	6.4	U	6.4	U	6.4	U	6.4	U		
Silver	328.068	3	1.3	U	1.3	U	1.3	U	1.3	U		
Thallium	190.864	30	3.9	U	**-7.8**	**B**	3.9	U	3.9	U		
Zinc	206.2	20	5.7	U	5.7	U	5.7	U	5.7	U		

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

Form 3 Equivalent

GPL - Maryland Laboratory

Metals Data Reporting Form

Continuing Calibration Blank Result **SDG:** 503077S

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

Chart Number: 050324.ARC

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

Element	WL/ Mass	Report Limit	BCCCB 3/24/2005 2:41 PM Found	Q	BCCCB3 3/24/2005 3:54 PM Found	Q	BCCCB3 3/24/2005 5:34 PM Found	Q	Found	Q	Found	Q
Chromium	267.716	5	0.5	U	0.5	U	0.5	U				
Lead	220.353	10	1.3	U	1.3	U	1.3	U				
Selenium	196.026	20	6.4	U	6.4	U	6.4	U				
Silver	328.068	3	1.3	U	1.3	U	1.3	U				
Thallium	190.864	30	3.9	U	**-6.7**	**B**	3.9	U				

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

Form 3 Equivalent

GPL - Maryland Laboratory

Metals Data Reporting Form

Continuing Calibration Blank Result **SDG:** 503077S

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

Chart Number: Hg050331.PRN

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

Element	WL/ Mass	Report Limit	Ck6 CCB 3/31/2005 10:37 AM Found	Q	Ck6 CCB 3/31/2005 11:04 AM Found	Q	Ck6 CCB 3/31/2005 11:30 AM Found	Q	Ck6 CCB 3/31/2005 11:56 AM Found	Q	Ck6 CCB 3/31/2005 12:24 PM Found	Q
Mercury	253.7	0.2	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U

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

Form 3 Equivalent

GPL - Maryland Laboratory

Metals Data Reporting Form

Preparation Blank Results **SDG:** 503077W

Lab Sample ID: BLK74543

Matrix: Water **Units:** ug/L **Prep Date:** 3/23/05 **Prep Batch:** 74543

Weight: 100.00 **Volume:** 100 **Percent Moisture:** NA

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Antimony	121	0.085	1.0	0.085	U	1	ICPMS	4/4/05	18:37
Arsenic	75	0.24	5.0	0.24	U	1	ICPMS	4/4/05	18:37
Beryllium	9	0.0047	0.20	-0.0073	B	1	ICPMS	4/4/05	18:37
Cadmium	110	0.024	0.50	-0.19	B	1	ICPMS	4/4/05	18:37
Chromium	52	0.059	2.0	-0.67	B	1	ICPMS	4/4/05	18:37
Copper	**65**	**0.016**	**2.0**	**1.9**	**B**	**1**	**ICPMS**	**4/4/05**	**18:37**
Lead	**208**	**0.018**	**2.0**	**0.74**	**B**	**1**	**ICPMS**	**4/4/05**	**18:37**
Nickel	**60**	**0.0080**	**1.0**	**0.027**	**B**	**1**	**ICPMS**	**4/4/05**	**18:37**
Selenium	82	0.15	5.0	-0.87	B	1	ICPMS	4/4/05	18:37
Silver	**107**	**0.0017**	**0.30**	**0.0063**	**B**	**1**	**ICPMS**	**4/4/05**	**18:37**
Thallium	**203**	**0.075**	**2.0**	**0.11**	**B**	**1**	**ICPMS**	**4/4/05**	**18:37**
Zinc	**66**	**0.014**	**10.0**	**1.8**	**B**	**1**	**ICPMS**	**4/4/05**	**18:37**

Comments:

5.11.0

U Result is less than the IDL

B Result is between IDL and RL

Form 3 Equivalent

GPL - Maryland Laboratory

Metals Data Reporting Form

Preparation Blank Results **SDG:** 503077W

Lab Sample ID: BLK74479

Matrix: Water **Units:** ug/L **Prep Date:** 3/21/05 **Prep Batch:** 74479

Weight: 100.00 **Volume:** 100 **Percent Moisture:** NA

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Mercury	253.7	0.10	0.20	0.10	U	1	CVAA	3/22/05	11:03

Comments: Color(Before): BLACK Color(After): YELLOW Clarity(After): CLEAR Texture: FINE

5.11.0

U Result is less than the IDL

B Result is between IDL and RL

Form 3 Equivalent

GPL - Maryland Laboratory

Metals Data Reporting Form

Initial Calibration Blank Results **SDG:** 503077W

Instrument: ICPMS **Units:** ug/L

Chart Number: 050404MS.csv

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

Element	WL/ Mass	Report Limit	ICB 4/4/2005 2:23 PM Found	Q	Found	Q	Found	Q	Found	Q	Found	Q
Antimony	121	1	0.085	U								
Arsenic	75	5	0.24	U								
Beryllium	9	0.2	0.0047	U								
Cadmium	110	0.5	**-0.026**	**B**								
Chromium	52	2	**-0.38**	**B**								
Copper	65	2	**-0.67**	**B**								
Lead	208	2	0.018	U								
Nickel	60	1	0.008	U								
Selenium	82	5	0.15	U								
Silver	107	0.3	**0.0053**	**B**								
Thallium	203	2	**0.38**	**B**								
Zinc	66	10	**-0.019**	**B**								

U Result is less than the IDL

B Result is between IDL and RL

Form 3 Equivalent

GPL - Maryland Laboratory

Metals Data Reporting Form

Initial Calibration Blank Results **SDG:** 503077W

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

Chart Number: HG050322.PRN

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

Element	WL/ Mass	Report Limit	Ck3 ICB 3/22/2005 10:16 AM Found	Q	Found	Q	Found	Q	Found	Q	Found	Q
Mercury	253.7	0.2	0.1	U								

5.11.0

U Result is less than the IDL

B Result is between IDL and RL

Form 3 Equivalent

P1039

GPL - Maryland Laboratory

Metals Data Reporting Form

Continuing Calibration Blank Result **SDG:** 503077W

Instrument: ICPMS **Units:** ug/L

Chart Number: 050404MS.csv

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

Element	WL/ Mass	Report Limit	CCB 4/4/2005 2:34 PM Found	Q	CCB 4/4/2005 3:19 PM Found	Q	CCB 4/4/2005 4:35 PM Found	Q	CCB 4/4/2005 5:51 PM Found	Q	CCB 4/4/2005 7:06 PM Found	Q
Antimony	121	1	0.085	U	0.085	U	0.085	U	0.085	U	0.085	U
Arsenic	75	5	0.24	U	0.24	U	0.24	U	0.24	U	0.24	U
Beryllium	9	0.2	0.0047	U	0.0047	U	0.0047	U	**-0.009**	**B**	**-0.0053**	**B**
Cadmium	110	0.5	**-0.049**	**B**	**-0.058**	**B**	**-0.13**	**B**	**-0.17**	**B**	**-0.11**	**B**
Chromium	52	2	**-0.37**	**B**	**0.18**	**B**	**-0.64**	**B**	**-0.75**	**B**	**-0.74**	**B**
Copper	65	2	**-0.68**	**B**	**-0.58**	**B**	**-0.67**	**B**	**-0.66**	**B**	**-0.66**	**B**
Lead	208	2	**0.018**	**B**	**0.22**	**B**	**0.08**	**B**	**0.068**	**B**	**0.079**	**B**
Nickel	60	1	**0.009**	**B**	**0.091**	**B**	**0.041**	**B**	**0.026**	**B**	**0.027**	**B**
Selenium	82	5	0.15	U	0.15	U	0.15	U	0.15	U	0.15	U
Silver	107	0.3	**0.013**	**B**	**0.024**	**B**	**0.016**	**B**	**0.013**	**B**	**0.02**	**B**
Thallium	203	2	**0.48**	**B**	**0.7**	**B**	**0.3**	**B**	**0.24**	**B**	**0.25**	**B**
Zinc	66	10	**-0.023**	**B**	**0.054**	**B**	0.014	U	0.014	U	0.014	U

U Result is less than the IDL

B Result is between IDL and RL

Form 3 Equivalent

GPL - Maryland Laboratory

Metals Data Reporting Form

Continuing Calibration Blank Result **SDG:** 503077W

Instrument: ICPMS **Units:** ug/L

Chart Number: 050404MS.csv

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

Element	WL/ Mass	Report Limit	CCB 4/4/2005 8:16 PM Found	Q	CCB 4/4/2005 9:26 PM Found	Q	Found	Q	Found	Q	Found	Q
Antimony	121	1	0.085	U	0.085	U						
Arsenic	75	5	0.24	U	0.24	U						
Beryllium	9	0.2	**-0.0083**	**B**	**-0.0063**	**B**						
Cadmium	110	0.5	**-0.1**	**B**	**-0.11**	**B**						
Chromium	52	2	**-0.76**	**B**	**-0.96**	**B**						
Copper	65	2	**-0.59**	**B**	**-0.56**	**B**						
Lead	208	2	**0.12**	**B**	**0.16**	**B**						
Nickel	60	1	**0.053**	**B**	**0.074**	**B**						
Selenium	82	5	0.15	U	0.15	U						
Silver	107	0.3	**0.026**	**B**	**0.035**	**B**						
Thallium	203	2	**0.19**	**B**	**0.27**	**B**						
Zinc	66	10	**0.069**	**B**	**0.16**	**B**						

U Result is less than the IDL

B Result is between IDL and RL

Form 3 Equivalent

GPL - Maryland Laboratory

Metals Data Reporting Form

Continuing Calibration Blank Result **SDG:** 503077W

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

Chart Number: HG050322.PRN

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

Element	WL/ Mass	Report Limit	Ck6 CCB 3/22/2005 10:22 AM Found	Q	Ck6 CCB 3/22/2005 10:46 AM Found	Q	Ck6 CCB 3/22/2005 11:11 AM Found	Q	Ck6 CCB 3/22/2005 11:37 AM Found	Q	Ck6 CCB 3/22/2005 11:56 AM Found	Q
Mercury	253.7	0.2	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U

U Result is less than the IDL

B Result is between IDL and RL

Form 3 Equivalent

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
BLK74677

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	503077
Case No. :		SDG NO :	503077
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	BLK74677
Sample Volume :	1	Lab File ID :	
Level :	Low	Date Received	
% Moisture: not dec		Date Analyzed	04/03/2005
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
18540-29-9	Chromium, Hexavalent	0.010	U

GPL - Maryland Laboratory

Metals Data Reporting Form

Matrix Spike Sample Results **SDG:** 503077S

Spike Sample ID: SP503117-001-001-1/1

Original Sample ID: S 503117-001-001-1/1 **Client ID:** 203-SS-805-EW-2

Matrix: Soil **Units:** mg/kg **Prep Date:** 3/23/05 **Prep Batch:** 74546

Weight: 1.44 **Volume:** 100 **Percent Moisture:** 8.72

Element	WL/ Mass	OS Conc	Q	MS Conc	Q	Spike Level	% Rec	OS DF	MS DF	Instr	OS Anal Date	OS Anal Time	MS Anal Date	MS Anal Time
Antimony	206.8	0.57	B	3.4	N	7.6078	36.8	1	1	ICPST	3/24/05	4:30	3/24/05	4:46
Arsenic	189.0	41.2		36.9	NC	7.6078	-56.5	1	1	ICPST	3/24/05	4:30	3/24/05	4:46
Beryllium	313.0	3.1		5.1	N	3.8039	52.1	1	1	ICPST	3/24/05	4:30	3/24/05	4:46
Cadmium	226.5	0.73		7.6		7.6078	90.7	1	1	ICPST	3/24/05	4:30	3/24/05	4:46
Chromium	267.7	49.7		78.0	N	38.039	74.4	1	1	ICPST	3/24/05	4:30	3/24/05	4:46
Copper	324.8	38.5		74.7		38.039	95.1	1	1	ICPST	3/24/05	4:30	3/24/05	4:46
Lead	220.4	120		202		76.078	106.7	1	1	ICPST	3/24/05	4:30	3/24/05	4:46
Nickel	231.6	30.7		71.8		38.039	108.2	1	1	ICPST	3/24/05	4:30	3/24/05	4:46
Selenium	196.0	0.77	B	7.0		7.6078	81.4	1	1	ICPST	3/24/05	4:30	3/24/05	4:46
Silver	328.1	0.10	U	7.0		7.6078	92.1	1	1	ICPST	3/24/05	4:30	3/24/05	4:46
Thallium	190.9	0.31	U	6.0		7.6078	79.4	1	1	ICPST	3/24/05	4:30	3/24/05	4:46
Zinc	206.2	98.7		167		76.078	90.3	1	1	ICPST	3/24/05	4:30	3/24/05	4:46

Comments: Sample Date: 03/21/05 Sample Time: 02:00 AM Color(Before): BROWN Color(After): YELLOW Clarity(After): CLEAR Texture: MEDIUM

5.11.0

U Result is less than the IDL
B Result is between IDL and RL
N Spike recovery failed
NC Percent recovery was not calculated

Form 5A Equivalent

GPL - Maryland Laboratory

Metals Data Reporting Form

Post Digest Spike Sample Results **SDG:** 503077S

Spike Sample ID: PS503117-001-001-1/1

Original Sample ID: S 503117-001-001-1/1 **Client ID:** 203-SS-805-EW-2

Matrix: Soil **Units:** mg/kg **Prep Date:** 3/23/05 **Prep Batch:** 74546

Weight: 1.37 **Volume:** 100 **Percent Moisture:** 8.72

Element	WL/ Mass	OS Conc	Q	PDS Conc	Q	Spike Level	% Rec	OS DF	PDS DF	Instr	OS Anal Date	OS Anal Time	PDS Anal Date	PDS Anal Time
Antimony	206.8	0.57	BN	8.8	N	6.3973	128.8	1	1	ICPST	3/24/05	4:30	3/24/05	5:10
Beryllium	313.0	3.1	N	4.1		0.7997	118.1	1	1	ICPST	3/24/05	4:30	3/24/05	5:10
Chromium	267.7	49.7	N	51.0	NC	1.5993	78.5	1	1	ICPST	3/24/05	4:30	3/24/05	5:10

Comments: Sample Date: 03/21/05 Sample Time: 02:00 AM Color(Before): BROWN Color(After): YELLOW Clarity(After): CLEAR Texture: MEDIUM

5.11.0

U Result is less than the IDL
B Result is between IDL and RL
N Spike recovery failed

Form 5B Equivalent

GPL - Maryland Laboratory

Metals Data Reporting Form

Matrix Spike Sample Results **SDG:** 503077W

Spike Sample ID: SP503077-014-078-1/3

Original Sample ID: S 503077-014-078-1/3 **Client ID:** SW-3-031705

Matrix: Water **Units:** ug/L **Prep Date:** 3/23/05 **Prep Batch:** 74543

Weight: 100.00 **Volume:** 100 **Percent Moisture:** NA

Element	WL/ Mass	OS Conc	Q	MS Conc	Q	Spike Level	% Rec	OS DF	MS DF	Instr	OS Anal Date	OS Anal Time	MS Anal Date	MS Anal Time
Antimony	121	0.089	B	50.2		50	100.2	1	1	ICPMS	4/4/05	20:22	4/4/05	20:34
Arsenic	75	0.89	B	45.5		50	89.2	1	1	ICPMS	4/4/05	20:22	4/4/05	20:34
Beryllium	9	0.088	B	23.3		25	92.7	1	1	ICPMS	4/4/05	20:22	4/4/05	20:34
Cadmium	110	0.33	B	44.9		50	89.2	1	1	ICPMS	4/4/05	20:22	4/4/05	20:34
Chromium	52	1.4	B	244		250	97.2	1	1	ICPMS	4/4/05	20:22	4/4/05	20:34
Copper	65	29.2		225		250	78.4	1	1	ICPMS	4/4/05	20:22	4/4/05	20:34
Lead	208	1.7	B	552		500	110.0	1	1	ICPMS	4/4/05	20:22	4/4/05	20:34
Nickel	60	2.8		230		250	90.9	1	1	ICPMS	4/4/05	20:22	4/4/05	20:34
Selenium	82	1.8	B	42.7		50	81.9	1	1	ICPMS	4/4/05	20:22	4/4/05	20:34
Silver	107	0.040	B	43.3		50	86.6	1	1	ICPMS	4/4/05	20:22	4/4/05	20:34
Thallium	203	0.075	U	53.6		50	107.2	1	1	ICPMS	4/4/05	20:22	4/4/05	20:34
Zinc	66	12.0		417		500	81.1	1	1	ICPMS	4/4/05	20:22	4/4/05	20:34

Comments: Sample Date: 03/17/05 Sample Time: 02:30 PM Color(Before): COLORLESS Color(After): COLORLESS
Clarity(Before): CLEAR Clarity(After): CLEAR

5.11.0

U Result is less than the IDL
B Result is between IDL and RL
N Spike recovery failed
NC Percent recovery was not calculated

Form 5A Equivalent

GPL - Maryland Laboratory

Metals Data Reporting Form

Matrix Spike Sample Results **SDG:** 503077W

Spike Sample ID: SP503077-014-078-1/3

Original Sample ID: S 503077-014-078-1/3 **Client ID:** SW-3-031705

Matrix: Water **Units:** ug/L **Prep Date:** 3/21/05 **Prep Batch:** 74479

Weight: 100.00 **Volume:** 100 **Percent Moisture:** NA

Element	WL/ Mass	OS Conc	Q	MS Conc	Q	Spike Level	% Rec	OS DF	MS DF	Instr	OS Anal Date	OS Anal Time	MS Anal Date	MS Anal Time
Mercury	253.7	0.10	U	1.0		1	103.0	1	1	CVAA	3/22/05	11:43	3/22/05	11:46

Comments: Sample Date: 03/17/05 Sample Time: 02:30 PM Color(Before): BLACK Color(After): YELLOW Clarity(After): CLEAR Texture: FINE

5.11.0

NC Percent recovery was not calculated
* Duplicate analysis RPD was not within limits
E Serial dilution percent difference not within limits
U Result is less than the IDL

Form 5A Equivalent

GPL - Maryland Laboratory

Metals Data Reporting Form

Matrix Spike Sample Results **SDG:** 503077W

Spike Sample ID: SP503077-015-089-1/3

Original Sample ID: S 503077-015-089-1/3 **Client ID:** SW-3-031705FIL

Matrix: Water **Units:** ug/L **Prep Date:** 3/23/05 **Prep Batch:** 74543

Weight: 100.00 **Volume:** 100 **Percent Moisture:** NA

Element	WL/ Mass	OS Conc	Q	MS Conc	Q	Spike Level	% Rec	OS DF	MS DF	Instr	OS Anal Date	OS Anal Time	MS Anal Date	MS Anal Time
Antimony	121	0.16	B	50.1		50	99.9	1	1	ICPMS	4/4/05	20:51	4/4/05	21:03
Arsenic	75	0.96	B	44.9		50	87.9	1	1	ICPMS	4/4/05	20:51	4/4/05	21:03
Beryllium	9	0.027	B	22.9		25	91.5	1	1	ICPMS	4/4/05	20:51	4/4/05	21:03
Cadmium	110	0.13	B	45.0		50	89.8	1	1	ICPMS	4/4/05	20:51	4/4/05	21:03
Chromium	52	0.059	U	244		250	97.4	1	1	ICPMS	4/4/05	20:51	4/4/05	21:03
Copper	65	1.5	B	225		250	89.4	1	1	ICPMS	4/4/05	20:51	4/4/05	21:03
Lead	208	0.35	B	552		500	110.4	1	1	ICPMS	4/4/05	20:51	4/4/05	21:03
Nickel	60	2.5		231		250	91.5	1	1	ICPMS	4/4/05	20:51	4/4/05	21:03
Selenium	82	1.4	B	41.0		50	79.3	1	1	ICPMS	4/4/05	20:51	4/4/05	21:03
Silver	107	0.019	B	43.4		50	86.9	1	1	ICPMS	4/4/05	20:51	4/4/05	21:03
Thallium	203	0.075	U	52.8		50	105.6	1	1	ICPMS	4/4/05	20:51	4/4/05	21:03
Zinc	66	5.9	B	414		500	81.7	1	1	ICPMS	4/4/05	20:51	4/4/05	21:03

Comments: Sample Date: 03/17/05 Sample Time: 02:30 PM

5.11.0

U Result is less than the IDL
B Result is between IDL and RL
N Spike recovery failed
NC Percent recovery was not calculated
* Duplicate analysis RPD was not within limits

Form 5A Equivalent

GPL - Maryland Laboratory

Metals Data Reporting Form

Matrix Spike Sample Results **SDG:** 503077W

Spike Sample ID: SP503077-015-089-1/3

Original Sample ID: S 503077-015-089-1/3 **Client ID:** SW-3-031705FIL

Matrix: Water **Units:** ug/L **Prep Date:** 3/21/05 **Prep Batch:** 74479

Weight: 100.00 **Volume:** 100 **Percent Moisture:** NA

Element	WL/ Mass	OS Conc	Q	MS Conc	Q	Spike Level	% Rec	OS DF	MS DF	Instr	OS Anal Date	OS Anal Time	MS Anal Date	MS Anal Time
Mercury	253.7	0.10	U	1.0		1	103.0	1	1	CVAA	3/22/05	11:48	3/22/05	11:52

Comments: Sample Date: 03/17/05 Sample Time: 02:30 PM Color(Before): BLACK Color(After): YELLOW Clarity(After): CLEAR Texture: FINE

5.11.0

NC Percent recovery was not calculated
* Duplicate analysis RPD was not within limits
E Serial dilution percent difference not within limits
U Result is less than the IDL

Form 5A Equivalent

GPL - Maryland Laboratory

Metals Data Reporting Form

Sample Duplicate RPD Report **SDG:** 503077S

Duplicate Sample ID: D 503117-001-001-1/1

Original Sample ID: S 503117-001-001-1/1 **Client ID:** 203-SS-805-EW-2

Matrix: Soil **Units:** mg/kg **Prep Date:** 3/23/05 **Prep Batch:** 74546

Weight: 1.41 **Volume:** 100 **Percent Moisture:** 8.72

Element	WL/ Mass	OS Conc	Q	Dupe Conc	Q	% RPD	OS DF	Dupe DF	Instr	OS Anal Date	OS Anal Time	Dupe Anal Date	Dupe Anal Time
Antimony	206.838	0.57	BN	0.26	U	200.0	1	1	ICPST	3/24/05	4:30	3/24/05	4:38
Arsenic	189.042	41.2		33.0		22.1	1	1	ICPST	3/24/05	4:30	3/24/05	4:38
Beryllium	313.042	3.1	N	1.4	*	74.4	1	1	ICPST	3/24/05	4:30	3/24/05	4:38
Cadmium	226.502	0.73		0.55		27.0	1	1	ICPST	3/24/05	4:30	3/24/05	4:38
Chromium	267.716	49.7	N	38.6		25.3	1	1	ICPST	3/24/05	4:30	3/24/05	4:38
Copper	324.753	38.5		31.9		18.6	1	1	ICPST	3/24/05	4:30	3/24/05	4:38
Lead	220.353	120		116		3.6	1	1	ICPST	3/24/05	4:30	3/24/05	4:38
Nickel	231.604	30.7		27.0		12.8	1	1	ICPST	3/24/05	4:30	3/24/05	4:38
Selenium	196.026	0.77	B	0.50	U	200.0	1	1	ICPST	3/24/05	4:30	3/24/05	4:38
Silver	328.068	0.10	U	0.10	U		1	1	ICPST	3/24/05	4:30	3/24/05	4:38
Thallium	190.864	0.31	U	0.30	U		1	1	ICPST	3/24/05	4:30	3/24/05	4:38
Zinc	206.2	98.7		87.0		12.6	1	1	ICPST	3/24/05	4:30	3/24/05	4:38

U Result is less than the IDL
B Result is between IDL and RL
* Duplicate analysis RPD was not within limits

Form 6 Equivalent

GPL - Maryland Laboratory

Metals Data Reporting Form

Sample Duplicate RPD Report **SDG:** 503077S

Duplicate Sample ID: D 503094-005-032-1/3

Original Sample ID: S 503094-005-032-1/3 **Client ID:** SD-6-031805

Matrix: Soil **Units:** mg/kg **Prep Date:** 3/24/05 **Prep Batch:** 74552

Weight: 0.72 **Volume:** 100 **Percent Moisture:** 57.52

Element	WL/ Mass	OS Conc	Q	Dupe Conc	Q	% RPD	OS DF	Dupe DF	Instr	OS Anal Date	OS Anal Time	Dupe Anal Date	Dupe Anal Time
Mercury	253.7	0.32		0.39	*	19.9	1	1	CVAA	3/31/05	12:14	3/31/05	12:17

U Result is less than the IDL
B Result is between IDL and RL
* Duplicate analysis RPD was not within limits

Form 6 Equivalent

GPL - Maryland Laboratory

Metals Data Reporting Form

Sample Duplicate RPD Report **SDG:** 503077W

Duplicate Sample ID: D 503077-014-078-1/3

Original Sample ID: S 503077-014-078-1/3 **Client ID:** SW-3-031705

Matrix: Water **Units:** ug/L **Prep Date:** 3/23/05 **Prep Batch:** 74543

Weight: 100.00 **Volume:** 100 **Percent Moisture:** NA

Element	WL/ Mass	OS Conc	Q	Dupe Conc	Q	% RPD	OS DF	Dupe DF	Instr	OS Anal Date	OS Anal Time	Dupe Anal Date	Dupe Anal Time
Antimony	121	0.089	B	0.19	B	71.8 OK	1	1	ICPMS	4/4/05	20:22	4/4/05	20:28
Arsenic	75	0.89	B	0.84	B	6.6	1	1	ICPMS	4/4/05	20:22	4/4/05	20:28
Beryllium	9	0.088	B	0.12	B	34.4 OK	1	1	ICPMS	4/4/05	20:22	4/4/05	20:28
Cadmium	110	0.33	B	0.27	B	21.2 OK	1	1	ICPMS	4/4/05	20:22	4/4/05	20:28
Chromium	52	1.4	B	1.6	B	14.9	1	1	ICPMS	4/4/05	20:22	4/4/05	20:28
Copper	65	29.2		2.2	*	171.5 OK	1	1	ICPMS	4/4/05	20:22	4/4/05	20:28
Lead	208	1.7	B	1.8	B	10.5	1	1	ICPMS	4/4/05	20:22	4/4/05	20:28
Nickel	60	2.8		2.9		2.4	1	1	ICPMS	4/4/05	20:22	4/4/05	20:28
Selenium	82	1.8	B	2.0	B	9.2	1	1	ICPMS	4/4/05	20:22	4/4/05	20:28
Silver	107	0.040	B	0.056	B	34.7 OK	1	1	ICPMS	4/4/05	20:22	4/4/05	20:28
Thallium	203	0.075	U	0.075	U		1	1	ICPMS	4/4/05	20:22	4/4/05	20:28
Zinc	66	12.0		9.8	B	20.3 OK	1	1	ICPMS	4/4/05	20:22	4/4/05	20:28

U Result is less than the IDL

B Result is between IDL and RL

* Duplicate analysis RPD was not within limits

Form 6 Equivalent

GPL - Maryland Laboratory

Metals Data Reporting Form

Sample Duplicate RPD Report **SDG:** 503077W

Duplicate Sample ID: D 503077-015-089-1/3

Original Sample ID: S 503077-015-089-1/3 **Client ID:** SW-3-031705FIL

Matrix: Water **Units:** ug/L **Prep Date:** 3/23/05 **Prep Batch:** 74543

Weight: 100.00 **Volume:** 100 **Percent Moisture:** NA

Element	WL/ Mass	OS Conc	Q	Dupe Conc	Q	% RPD	OS DF	Dupe DF	Instr	OS Anal Date	OS Anal Time	Dupe Anal Date	Dupe Anal Time
Antimony	121	0.16	B	0.12	B	27.9	1	1	ICPMS	4/4/05	20:51	4/4/05	20:57
Arsenic	75	0.96	B	0.40	B	81.3	1	1	ICPMS	4/4/05	20:51	4/4/05	20:57
Beryllium	9	0.027	B	0.028	B	1.2	1	1	ICPMS	4/4/05	20:51	4/4/05	20:57
Cadmium	110	0.13	B	0.061	B	70.5	1	1	ICPMS	4/4/05	20:51	4/4/05	20:57
Chromium	52	0.059	U	0.059	U		1	1	ICPMS	4/4/05	20:51	4/4/05	20:57
Copper	65	1.5	B*E	1.5	B	0.6	1	1	ICPMS	4/4/05	20:51	4/4/05	20:57
Lead	208	0.35	B	0.32	B	8.8	1	1	ICPMS	4/4/05	20:51	4/4/05	20:57
Nickel	60	2.5	E	2.5		0.3	1	1	ICPMS	4/4/05	20:51	4/4/05	20:57
Selenium	82	1.4	B	0.97	B	35.0	1	1	ICPMS	4/4/05	20:51	4/4/05	20:57
Silver	107	0.019	B	0.025	B	24.2	1	1	ICPMS	4/4/05	20:51	4/4/05	20:57
Thallium	203	0.075	U	0.075	U		1	1	ICPMS	4/4/05	20:51	4/4/05	20:57
Zinc	66	5.9	BE	5.9	B	0.9	1	1	ICPMS	4/4/05	20:51	4/4/05	20:57

U Result is less than the IDL
B Result is between IDL and RL
* Duplicate analysis RPD was not within limits

Form 6 Equivalent

GPL - Maryland Laboratory

Metals Data Reporting Form

Serial Dilution RPD Report **SDG:** 503077W

Serial Dilution Sample ID: SE503077-014-078-1/3

Original Sample ID: S 503077-014-078-1/3 **Client ID:** SW-3-031705

Matrix: Water **Units:** ug/L **Prep Date:** 3/23/05 **Prep Batch:** 74543

Weight: 100.00 **Volume:** 100 **Percent Moisture:** NA

Element	WL/ Mass	OS Conc	Q	Serial Dilution Conc	Q	Percent Diff	OS DF	Ser Dil DF	Instr	OS Anal Date	OS Anal Time	Ser Dil Anal Date	Ser Dil Anal Time
Antimony	121	0.089	B	0.54	B		1	5	ICPMS	4/4/05	20:22	4/4/05	20:46
Arsenic	75	0.89	B	1.2	U		1	5	ICPMS	4/4/05	20:22	4/4/05	20:46
Beryllium	9	0.088	B	0.040	B		1	5	ICPMS	4/4/05	20:22	4/4/05	20:46
Cadmium	110	0.33	B	0.12	U		1	5	ICPMS	4/4/05	20:22	4/4/05	20:46
Chromium	52	1.4	B	0.30	U		1	5	ICPMS	4/4/05	20:22	4/4/05	20:46
Copper	65	29.2	*	0.19	B E	99.3	1	5	ICPMS	4/4/05	20:22	4/4/05	20:46
Lead	208	1.7	B	1.8	B		1	5	ICPMS	4/4/05	20:22	4/4/05	20:46
Nickel	60	2.8		3.3	B E	14.6	1	5	ICPMS	4/4/05	20:22	4/4/05	20:46
Selenium	82	1.8	B	2.6	B		1	5	ICPMS	4/4/05	20:22	4/4/05	20:46
Silver	107	0.040	B	0.057	B		1	5	ICPMS	4/4/05	20:22	4/4/05	20:46
Thallium	203	0.075	U	0.38	U		1	5	ICPMS	4/4/05	20:22	4/4/05	20:46
Zinc	66	12.0		14.3	B E	19.0	1	5	ICPMS	4/4/05	20:22	4/4/05	20:46

Comments: Sample Date: 03/17/05 Sample Time: 02:30 PM Color(Before): COLORLESS Color(After): COLORLESS Clarity(B

5.11.0

U Result is less than the IDL

B Result is between IDL and RL

E Serial dilution percent difference not within limits

Form 9 Equivalent

GPL - Maryland Laboratory

Metals Data Reporting Form

Instrument Detection Limits **SDG:** 503077S

Instrument: ICPST **Units:** ppb

Element	Wavelength	Reporting Limit	IDL	Date of IDL
Antimony	206.838	20.0	3.3	4/13/2004
Arsenic	189.042	20.0	3.8	4/13/2004
Beryllium	313.042	2.0	0.13	4/13/2004
Cadmium	226.502	6.0	0.35	4/13/2004
Chromium	267.716	5.0	0.46	4/13/2004
Copper	324.753	10.0	0.88	4/13/2004
Lead	220.353	10.0	1.3	4/13/2004
Nickel	231.604	10.0	0.61	4/13/2004
Selenium	196.026	20.0	6.4	4/13/2004
Silver	328.068	3.0	1.3	4/13/2004
Thallium	190.864	30.0	3.9	4/13/2004
Zinc	206.200	20.0	5.7	4/13/2004

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Metals Data Reporting Form

Instrument Detection Limits **SDG:** 503077S

Instrument: CVAA **Units:** ppb

Element	Wavelength	Reporting Limit	IDL	Date of IDL
Mercury	253.700	0.2	0.10	9/14/2004

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Metals Data Reporting Form

Instrument Detection Limits **SDG:** 503077W

Instrument: ICPMS **Units:** ppb

Element	Mass	Reporting Limit	IDL	Date of IDL
Antimony	121	1.0	0.085	3/2/2005
Arsenic	75	5.0	0.24	3/2/2005
Beryllium	9	0.2	0.0047	3/2/2005
Cadmium	110	0.5	0.024	3/2/2005
Chromium	52	2.0	0.059	3/2/2005
Copper	65	2.0	0.016	3/2/2005
Lead	208	2.0	0.018	3/2/2005
Nickel	60	1.0	0.0080	3/2/2005
Selenium	82	5.0	0.15	3/2/2005
Silver	107	0.3	0.0017	3/2/2005
Thallium	203	2.0	0.075	3/2/2005
Zinc	66	10.0	0.014	3/2/2005

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Metals Data Reporting Form

Instrument Detection Limits **SDG:** 503077W

Instrument: CVAA **Units:** ppb

Element	Wavelength	Reporting Limit	IDL	Date of IDL
Mercury	253.700	0.2	0.10	9/11/2004

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Metals Data Reporting Form

Linear Dynamic Ranges **SDG:** 503077S

Instrument: ICPST **Units:** ppb

Element	Wavelength /Mass	Linear Range	Date of Linear Range
Antimony	206.84	5000	1/11/2005
Arsenic	189.04	2000	1/11/2005
Beryllium	313.04	500	1/11/2005
Cadmium	226.50	2000	1/11/2005
Chromium	267.72	10000	1/11/2005
Copper	324.75	10000	1/11/2005
Lead	220.35	20000	1/11/2005
Nickel	231.60	7500	1/11/2005
Selenium	196.03	2000	1/11/2005
Silver	328.07	1000	1/11/2005
Thallium	190.86	2000	1/11/2005
Zinc	206.20	10000	1/11/2005

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Metals Data Reporting Form

Linear Dynamic Ranges **SDG:** 503077S

Instrument: CVAA **Units:** ppb

Element	Wavelength /Mass	Linear Range	Date of Linear Range
Mercury	253.70	10	

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Metals Data Reporting Form

Linear Dynamic Ranges SDG: 503077W

Instrument: ICPMS **Units:** ppb

Element	Wavelength /Mass	Linear Range	Date of Linear Range
Antimony	121.00	2500	3/2/2005
Arsenic	75.00	1000	3/2/2005
Beryllium	9.00	250	3/2/2005
Cadmium	110.00	1000	3/2/2005
Chromium	52.00	5000	3/2/2005
Copper	65.00	5000	3/2/2005
Lead	208.00	10000	3/2/2005
Nickel	60.00	3750	3/2/2005
Selenium	82.00	1000	3/2/2005
Silver	107.00	500	3/2/2005
Thallium	203.00	1000	3/2/2005
Zinc	66.00	2500	3/2/2005

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Metals Data Reporting Form

Preparation Log **SDG:** 503077S

Preparation Batch: 74546 **Instrument:** ICP **Matrix:** Soil

Sample ID	Prep Date	Weight (g)	Volume (ml)	% Moisture
BKS74546	3/23/2005	1.00	100	NA
BLK74546	3/23/2005	1.00	100	NA
D 503117-001-001-1/1	3/23/2005	1.41	100	8.72
S 503077-016-098-1/1	3/23/2005	1.64	100	18.69
S 503077-017-099-1/1	3/23/2005	1.67	100	15.38
S 503077-018-100-1/1	3/23/2005	1.73	100	27.86
S 503117-001-001-1/1	3/23/2005	1.37	100	8.72
SP503117-001-001-1/1	3/23/2005	1.44	100	8.72

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Metals Data Reporting Form

Preparation Log SDG: 503077S

Preparation Batch: 74552 **Instrument:** CVAA **Matrix:** Soil

Sample ID	Prep Date	Weight (g)	Volume (ml)	% Moisture
BKS74552	3/24/2005	0.60	100	NA
BLK74552	3/24/2005	0.60	100	NA
D 503094-005-032-1/3	3/24/2005	0.72	100	57.52
S 503077-016-098-1/1	3/24/2005	0.70	100	18.69
S 503077-017-099-1/1	3/24/2005	0.74	100	15.38
S 503077-018-100-1/1	3/24/2005	0.71	100	27.86
S 503094-005-032-1/3	3/24/2005	0.72	100	57.52
SP503094-005-032-1/3	3/24/2005	0.70	100	57.52

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Metals Data Reporting Form

Preparation Log SDG: 503077W

Preparation Batch: 74543 **Instrument:** ICP **Matrix:** Water

Sample ID	Prep Date	Weight (g)	Volume (ml)	% Moisture
BKS74543	3/23/2005	100.00	100	NA
BLK74543	3/23/2005	100.00	100	NA
D 503077-014-078-1/3	3/23/2005	100.00	100	NA
D 503077-015-089-1/3	3/23/2005	100.00	100	NA
S 503077-002-042-1/1	3/23/2005	100.00	100	NA
S 503077-003-066-1/1	3/23/2005	100.00	100	NA
S 503077-004-043-1/1	3/23/2005	100.00	100	NA
S 503077-005-067-1/1	3/23/2005	100.00	100	NA
S 503077-006-044-1/1	3/23/2005	100.00	100	NA
S 503077-007-068-1/1	3/23/2005	100.00	100	NA
S 503077-008-045-1/1	3/23/2005	100.00	100	NA
S 503077-009-069-1/1	3/23/2005	100.00	100	NA
S 503077-010-046-1/1	3/23/2005	100.00	100	NA
S 503077-011-070-1/1	3/23/2005	100.00	100	NA
S 503077-012-047-1/1	3/23/2005	100.00	100	NA
S 503077-013-071-1/1	3/23/2005	100.00	100	NA
S 503077-014-078-1/3	3/23/2005	100.00	100	NA
S 503077-015-089-1/3	3/23/2005	100.00	100	NA
SP503077-014-078-1/3	3/23/2005	100.00	100	NA
SP503077-015-089-1/3	3/23/2005	100.00	100	NA

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Metals Data Reporting Form

Preparation Log **SDG:** 503077W

Preparation Batch: 74479 **Instrument:** CVAA **Matrix:** Water

Sample ID	Prep Date	Weight (g)	Volume (ml)	% Moisture
BKS74479	3/21/2005	100.00	100	NA
BLK74479	3/21/2005	100.00	100	NA
D 503077-014-078-1/3	3/21/2005	100.00	100	NA
D 503077-015-089-1/3	3/21/2005	100.00	100	NA
S 503077-002-042-1/1	3/21/2005	100.00	100	NA
S 503077-003-066-1/1	3/21/2005	100.00	100	NA
S 503077-004-043-1/1	3/21/2005	100.00	100	NA
S 503077-005-067-1/1	3/21/2005	100.00	100	NA
S 503077-006-044-1/1	3/21/2005	100.00	100	NA
S 503077-007-068-1/1	3/21/2005	100.00	100	NA
S 503077-008-045-1/1	3/21/2005	100.00	100	NA
S 503077-009-069-1/1	3/21/2005	100.00	100	NA
S 503077-010-046-1/1	3/21/2005	100.00	100	NA
S 503077-011-070-1/1	3/21/2005	100.00	100	NA
S 503077-012-047-1/1	3/21/2005	100.00	100	NA
S 503077-013-071-1/1	3/21/2005	100.00	100	NA
S 503077-014-078-1/3	3/21/2005	100.00	100	NA
S 503077-015-089-1/3	3/21/2005	100.00	100	NA
SP503077-014-078-1/3	3/21/2005	100.00	100	NA
SP503077-015-089-1/3	3/21/2005	100.00	100	NA

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Metals Data Reporting Form

Instrument Runlog **SDG:** 503077S

Instrument: ICPST **Chart Number:** 050323.ARC

Lab Sample Name	Client Sample Name	Date of Analysis	Time of Analysis
STD0		3/23/2005	15:18
STD1		3/23/2005	15:26
STD2		3/23/2005	15:34
STD3		3/23/2005	15:42
STD4		3/23/2005	15:48
STD5		3/23/2005	15:53
ZZZZZZ		3/23/2005	15:59
ZZZZZZ		3/23/2005	16:07
ZZZZZZ		3/23/2005	16:15
STD0		3/23/2005	16:27
ZZZZZZ		3/23/2005	16:58
ZZZZZZ		3/23/2005	17:05
ZZZZZZ		3/23/2005	17:13
ZZZZZZ		3/23/2005	17:21
ZZZZZZ		3/23/2005	17:28
STD0		3/23/2005	17:50
IVICV		3/23/2005	17:56
IBICB		3/23/2005	18:03
CVCCV		3/23/2005	18:11
BCCCB		3/23/2005	18:19
REPORTING LIMIT		3/23/2005	18:27
ZZZZZZ		3/23/2005	18:34
ZZZZZZ		3/23/2005	18:42
IAICSAI		3/23/2005	18:50
IBICSABI		3/23/2005	18:57
ZZZZZZ		3/23/2005	19:07
CVCCV3		3/23/2005	19:18
BCCCB3		3/23/2005	19:26
ZZZZZZ		3/23/2005	19:34
ZZZZZZ		3/23/2005	19:42
ZZZZZZ		3/23/2005	19:50
ZZZZZZ		3/23/2005	19:58
ZZZZZZ		3/23/2005	20:06
ZZZZZZ		3/23/2005	20:14
ZZZZZZ		3/23/2005	20:22
ZZZZZZ		3/23/2005	20:30
ZZZZZZ		3/23/2005	20:38
ZZZZZZ		3/23/2005	20:46
CVCCV3		3/23/2005	20:54

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Metals Data Reporting Form

Instrument Runlog **SDG:** 503077S

Instrument: ICPST **Chart Number:** 050323.ARC

Lab Sample Name	Client Sample Name	Date of Analysis	Time of Analysis
BCCCB3		3/23/2005	21:02
ZZZZZZ		3/23/2005	21:10
ZZZZZZ		3/23/2005	21:18
ZZZZZZ		3/23/2005	21:26
ZZZZZZ		3/23/2005	21:34
ZZZZZZ		3/23/2005	21:42
ZZZZZZ		3/23/2005	21:50
ZZZZZZ		3/23/2005	21:58
ZZZZZZ		3/23/2005	22:06
ZZZZZZ		3/23/2005	22:14
ZZZZZZ		3/23/2005	22:22
CVCCV3		3/23/2005	22:30
BCCCB3		3/23/2005	22:38
ZZZZZZ		3/23/2005	22:46
ZZZZZZ		3/23/2005	22:54
ZZZZZZ		3/23/2005	23:02
ZZZZZZ		3/23/2005	23:10
ZZZZZZ		3/23/2005	23:18
ZZZZZZ		3/23/2005	23:26
ZZZZZZ		3/23/2005	23:34
ZZZZZZ		3/23/2005	23:42
ZZZZZZ		3/23/2005	23:50
ZZZZZZ		3/23/2005	23:58
CVCCV4		3/24/2005	0:06
BCCCB4		3/24/2005	0:14
ZZZZZZ		3/24/2005	0:22
ZZZZZZ		3/24/2005	0:30
ZZZZZZ		3/24/2005	0:38
ZZZZZZ		3/24/2005	0:46
ZZZZZZ		3/24/2005	0:54
ZZZZZZ		3/24/2005	1:02
ZZZZZZ		3/24/2005	1:10
ZZZZZZ		3/24/2005	1:18
ZZZZZZ		3/24/2005	1:26
ZZZZZZ		3/24/2005	1:34
CVCCV4		3/24/2005	1:42
BCCCB4		3/24/2005	1:50
ZZZZZZ		3/24/2005	1:58
ZZZZZZ		3/24/2005	2:06

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Metals Data Reporting Form

Instrument Runlog SDG: 503077S

Instrument: ICPST **Chart Number:** 050323.ARC

Lab Sample Name	Client Sample Name	Date of Analysis	Time of Analysis
ZZZZZZ		3/24/2005	2:14
ZZZZZZ		3/24/2005	2:22
ZZZZZZ		3/24/2005	2:30
ZZZZZZ		3/24/2005	2:38
ZZZZZZ		3/24/2005	2:46
ZZZZZZ		3/24/2005	2:54
ZZZZZZ		3/24/2005	3:02
ZZZZZZ		3/24/2005	3:10
CVCCV4		3/24/2005	3:18
BCCCB4		3/24/2005	3:26
ZZZZZZ		3/24/2005	3:34
ZZZZZZ		3/24/2005	3:42
ZZZZZZ		3/24/2005	3:50
ZZZZZZ		3/24/2005	3:58
ZZZZZZ		3/24/2005	4:06
BLK74546	BLK74546	3/24/2005	4:14
BKS74546	BKS74546	3/24/2005	4:22
S 503117-001-001-1/1	203-SS-805-EW-2	3/24/2005	4:30
D 503117-001-001-1/1	203-SS-805-EW-2	3/24/2005	4:38
SP503117-001-001-1/1	203-SS-805-EW-2	3/24/2005	4:46
CVCCV5		3/24/2005	4:54
BCCCB5		3/24/2005	5:02
PS503117-001-001-1/1	203-SS-805-EW-2	3/24/2005	5:10
SE503117-001-001-1/1	203-SS-805-EW-2	3/24/2005	5:18
ZZZZZZ		3/24/2005	5:26
S 503077-016-098-1/1	SD-1-031705	3/24/2005	5:34
S 503077-017-099-1/1	SD-3-031705	3/24/2005	5:42
S 503077-018-100-1/1	SD-04-031705	3/24/2005	5:50
ZZZZZZ		3/24/2005	5:58
ZZZZZZ		3/24/2005	6:06
ZZZZZZ		3/24/2005	6:14
CVCCV5		3/24/2005	6:22
BCCCB5		3/24/2005	6:30

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Metals Data Reporting Form

Instrument Runlog **SDG:** 503077S

Instrument: ICPST **Chart Number:** 050324.ARC

Lab Sample Name	Client Sample Name	Date of Analysis	Time of Analysis
STD0		3/24/2005	13:37
STD1		3/24/2005	13:45
ZZZZZZ		3/24/2005	13:53
STD3		3/24/2005	14:01
IVICV		3/24/2005	14:07
ZZZZZZ		3/24/2005	14:18
IBICB		3/24/2005	14:25
CVCCV		3/24/2005	14:33
BCCCB		3/24/2005	14:41
REPORTING LIMIT		3/24/2005	14:48
ZZZZZZ		3/24/2005	14:56
IAICSAI		3/24/2005	15:04
IBICSABI		3/24/2005	15:12
ZZZZZZ		3/24/2005	15:21
ZZZZZZ		3/24/2005	15:36
CVCCV3		3/24/2005	15:46
BCCCB3		3/24/2005	15:54
S 503077-018-100-1/1	SD-04-031705	3/24/2005	16:01
ZZZZZZ		3/24/2005	16:12
ZZZZZZ		3/24/2005	16:20
ZZZZZZ		3/24/2005	16:28
ZZZZZZ		3/24/2005	16:36
ZZZZZZ		3/24/2005	16:44
ZZZZZZ		3/24/2005	16:52
ZZZZZZ		3/24/2005	17:00
ZZZZZZ		3/24/2005	17:08
ZZZZZZ		3/24/2005	17:16
CVCCV3		3/24/2005	17:26
BCCCB3		3/24/2005	17:34
ZZZZZZ		3/24/2005	17:42
ZZZZZZ		3/24/2005	17:50
ZZZZZZ		3/24/2005	17:58
ZZZZZZ		3/24/2005	18:06
ZZZZZZ		3/24/2005	18:14
ZZZZZZ		3/24/2005	18:22
ZZZZZZ		3/24/2005	18:30
ZZZZZZ		3/24/2005	18:38
ZZZZZZ		3/24/2005	18:46
ZZZZZZ		3/24/2005	18:54

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Metals Data Reporting Form

Instrument Runlog **SDG:** 503077S

Instrument: CVAA **Chart Number:** Hg050331.PRN

Lab Sample Name	Client Sample Name	Date of Analysis	Time of Analysis
Std01Rep1		3/31/2005	9:45
Std01Rep2		3/31/2005	9:47
Std01Rep3		3/31/2005	9:50
Std02Rep1		3/31/2005	9:53
Std02Rep2		3/31/2005	9:55
Std02Rep3		3/31/2005	9:57
Std03Rep1		3/31/2005	9:59
Std03Rep2		3/31/2005	10:01
Std03Rep3		3/31/2005	10:03
Std04Rep1		3/31/2005	10:05
Std04Rep2		3/31/2005	10:07
Std04Rep3		3/31/2005	10:10
Std05Rep1		3/31/2005	10:12
Std05Rep2		3/31/2005	10:14
Std05Rep3		3/31/2005	10:16
Std06Rep1		3/31/2005	10:18
Std06Rep2		3/31/2005	10:20
Std06Rep3		3/31/2005	10:23
Ck2 ICV		3/31/2005	10:28
Ck3 ICB		3/31/2005	10:31
Ck4 CRA		3/31/2005	10:33
Ck5 CCV		3/31/2005	10:35
Ck6 CCB		3/31/2005	10:37
ZZZZZZ		3/31/2005	10:39
ZZZZZZ		3/31/2005	10:42
ZZZZZZ		3/31/2005	10:44
ZZZZZZ		3/31/2005	10:46
ZZZZZZ		3/31/2005	10:48
ZZZZZZ		3/31/2005	10:50
ZZZZZZ		3/31/2005	10:53
ZZZZZZ		3/31/2005	10:56
ZZZZZZ		3/31/2005	10:58
ZZZZZZ		3/31/2005	11:00
Ck5 CCV		3/31/2005	11:02
Ck6 CCB		3/31/2005	11:04
ZZZZZZ		3/31/2005	11:06
ZZZZZZ		3/31/2005	11:08
ZZZZZZ		3/31/2005	11:10
ZZZZZZ		3/31/2005	11:12

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Metals Data Reporting Form

Instrument Runlog **SDG:** 503077S

Instrument: CVAA **Chart Number:** Hg050331.PRN

Lab Sample Name	Client Sample Name	Date of Analysis	Time of Analysis
ZZZZZZ		3/31/2005	11:14
ZZZZZZ		3/31/2005	11:17
ZZZZZZ		3/31/2005	11:19
ZZZZZZ		3/31/2005	11:22
ZZZZZZ		3/31/2005	11:24
ZZZZZZ		3/31/2005	11:26
Ck5 CCV		3/31/2005	11:28
Ck6 CCB		3/31/2005	11:30
ZZZZZZ		3/31/2005	11:33
ZZZZZZ		3/31/2005	11:35
ZZZZZZ		3/31/2005	11:37
ZZZZZZ		3/31/2005	11:39
ZZZZZZ		3/31/2005	11:42
BLK74552	BLK74552	3/31/2005	11:44
BKS74552	BKS74552	3/31/2005	11:46
S 503077-016-098-1/1	SD-1-031705	3/31/2005	11:48
S 503077-017-099-1/1	SD-3-031705	3/31/2005	11:50
S 503077-018-100-1/1	SD-04-031705	3/31/2005	11:52
Ck5 CCV		3/31/2005	11:54
Ck6 CCB		3/31/2005	11:56
ZZZZZZ		3/31/2005	11:58
ZZZZZZ		3/31/2005	12:00
ZZZZZZ		3/31/2005	12:02
ZZZZZZ		3/31/2005	12:04
ZZZZZZ		3/31/2005	12:06
ZZZZZZ		3/31/2005	12:09
ZZZZZZ		3/31/2005	12:11
S 503094-005-032-1/3	SD-6-031805	3/31/2005	12:14
D 503094-005-032-1/3	SD-6-031805	3/31/2005	12:17
SP503094-005-032-1/3	SD-6-031805	3/31/2005	12:19
Ck5 CCV		3/31/2005	12:21
Ck6 CCB		3/31/2005	12:24
ZZZZZZ		3/31/2005	12:26
ZZZZZZ		3/31/2005	12:28
ZZZZZZ		3/31/2005	12:30
ZZZZZZ		3/31/2005	12:32
ZZZZZZ		3/31/2005	12:34
ZZZZZZ		3/31/2005	12:36
ZZZZZZ		3/31/2005	12:38

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Metals Data Reporting Form

Instrument Runlog **SDG:** 503077W

Instrument: ICPMS **Chart Number:** 050404MS.csv

Lab Sample Name	Client Sample Name	Date of Analysis	Time of Analysis
BLANK		4/4/2005	13:40
STD1		4/4/2005	13:46
STD2		4/4/2005	13:51
STD3		4/4/2005	13:56
STD4		4/4/2005	14:02
STD5		4/4/2005	14:07
STD6		4/4/2005	14:12
ICV		4/4/2005	14:18
ICB		4/4/2005	14:23
CCV		4/4/2005	14:28
CCB		4/4/2005	14:34
PQL		4/4/2005	14:39
ICSA		4/4/2005	14:44
ICSAB		4/4/2005	14:50
ZZZZZZ		4/4/2005	14:56
ZZZZZZ		4/4/2005	15:02
ZZZZZZ		4/4/2005	15:08
CCV		4/4/2005	15:13
CCB		4/4/2005	15:19
ZZZZZZ		4/4/2005	15:25
ZZZZZZ		4/4/2005	15:31
ZZZZZZ		4/4/2005	15:37
ZZZZZZ		4/4/2005	15:43
ZZZZZZ		4/4/2005	15:48
ZZZZZZ		4/4/2005	15:54
ZZZZZZ		4/4/2005	16:00
ZZZZZZ		4/4/2005	16:06
ZZZZZZ		4/4/2005	16:12
ZZZZZZ		4/4/2005	16:18
CCV		4/4/2005	16:29
CCB		4/4/2005	16:35
ZZZZZZ		4/4/2005	16:41
ZZZZZZ		4/4/2005	16:47
ZZZZZZ		4/4/2005	16:52
ZZZZZZ		4/4/2005	16:58
ZZZZZZ		4/4/2005	17:04
ZZZZZZ		4/4/2005	17:10
ZZZZZZ		4/4/2005	17:16
ZZZZZZ		4/4/2005	17:22

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Metals Data Reporting Form

Instrument Runlog **SDG:** 503077W

Instrument: ICPMS **Chart Number:** 050404MS.csv

Lab Sample Name	Client Sample Name	Date of Analysis	Time of Analysis
ZZZZZZ		4/4/2005	17:27
ZZZZZZ		4/4/2005	17:33
CCV		4/4/2005	17:45
CCB		4/4/2005	17:51
ZZZZZZ		4/4/2005	17:57
ZZZZZZ		4/4/2005	18:02
ZZZZZZ		4/4/2005	18:08
ZZZZZZ		4/4/2005	18:14
ZZZZZZ		4/4/2005	18:20
ZZZZZZ		4/4/2005	18:26
BLK74543	BLK74543	4/4/2005	18:37
BKS74543	BKS74543	4/4/2005	18:43
S 503077-002-042-1/1	SW-1-031705	4/4/2005	18:49
S 503077-003-066-1/1	SW-1-031705FIL	4/4/2005	18:55
CCV		4/4/2005	19:01
CCB		4/4/2005	19:06
S 503077-004-043-1/1	SW-2-031705	4/4/2005	19:12
S 503077-005-067-1/1	SW-2-031705FIL	4/4/2005	19:18
S 503077-006-044-1/1	SW-7-031705	4/4/2005	19:24
S 503077-007-068-1/1	SW-7-031705FIL	4/4/2005	19:30
S 503077-008-045-1/1	SW-6-031705	4/4/2005	19:36
S 503077-009-069-1/1	SW-6-031705FIL	4/4/2005	19:42
S 503077-010-046-1/1	SW-5-031705	4/4/2005	19:47
S 503077-011-070-1/1	SW-5-031705FIL	4/4/2005	19:53
S 503077-012-047-1/1	SW-4-031705	4/4/2005	19:59
S 503077-013-071-1/1	SW-4-031705FIL	4/4/2005	20:05
CCV		4/4/2005	20:11
CCB		4/4/2005	20:16
S 503077-014-078-1/3	SW-3-031705	4/4/2005	20:22
D 503077-014-078-1/3	SW-3-031705	4/4/2005	20:28
SP503077-014-078-1/3	SW-3-031705	4/4/2005	20:34
ZZZZZZ		4/4/2005	20:40
SE503077-014-078-1/3	SW-3-031705	4/4/2005	20:46
S 503077-015-089-1/3	SW-3-031705FIL	4/4/2005	20:51
D 503077-015-089-1/3	SW-3-031705FIL	4/4/2005	20:57
SP503077-015-089-1/3	SW-3-031705FIL	4/4/2005	21:03
ZZZZZZ		4/4/2005	21:09
SE503077-015-089-1/3	SW-3-031705FIL	4/4/2005	21:15
CCV		4/4/2005	21:21

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Metals Data Reporting Form

Instrument Runlog SDG: 503077W

Instrument: ICPMS **Chart Number:** 050404MS.csv

Lab Sample Name	Client Sample Name	Date of Analysis	Time of Analysis
CCB		4/4/2005	21:26
ZZZZZZ		4/4/2005	21:32
ZZZZZZ		4/4/2005	21:38
ZZZZZZ		4/4/2005	21:44
ZZZZZZ		4/4/2005	21:50
ZZZZZZ		4/4/2005	21:56
ZZZZZZ		4/4/2005	22:01
ZZZZZZ		4/4/2005	22:07
ZZZZZZ		4/4/2005	22:13
ZZZZZZ		4/4/2005	22:19
ZZZZZZ		4/4/2005	22:25
ZZZZZZ		4/4/2005	22:31
ZZZZZZ		4/4/2005	22:37
ZZZZZZ		4/4/2005	22:42
ZZZZZZ		4/4/2005	22:48
ZZZZZZ		4/4/2005	22:54
ZZZZZZ		4/4/2005	23:00
ZZZZZZ		4/4/2005	23:06
ZZZZZZ		4/4/2005	23:11
ZZZZZZ		4/4/2005	23:17
ZZZZZZ		4/4/2005	23:23
ZZZZZZ		4/4/2005	23:29
ZZZZZZ		4/4/2005	23:35

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Metals Data Reporting Form

Instrument Runlog **SDG:** 503077W

Instrument: CVAA **Chart Number:** HG050322.PRN

Lab Sample Name	Client Sample Name	Date of Analysis	Time of Analysis
Std01Rep1		3/22/2005	9:34
Std01Rep2		3/22/2005	9:36
Std01Rep3		3/22/2005	9:38
Std02Rep1		3/22/2005	9:40
Std02Rep2		3/22/2005	9:42
Std02Rep3		3/22/2005	9:44
Std03Rep1		3/22/2005	9:46
Std03Rep2		3/22/2005	9:48
Std03Rep3		3/22/2005	9:50
Std04Rep1		3/22/2005	9:52
Std04Rep2		3/22/2005	9:54
Std04Rep3		3/22/2005	9:56
Std05Rep1		3/22/2005	9:58
Std05Rep2		3/22/2005	10:00
Std05Rep3		3/22/2005	10:02
Std06Rep1		3/22/2005	10:04
Std06Rep2		3/22/2005	10:07
Std06Rep3		3/22/2005	10:09
Ck2 ICV		3/22/2005	10:14
Ck3 ICB		3/22/2005	10:16
Ck4 CRA		3/22/2005	10:18
Ck5 CCV		3/22/2005	10:20
Ck6 CCB		3/22/2005	10:22
ZZZZZZ		3/22/2005	10:24
ZZZZZZ		3/22/2005	10:26
ZZZZZZ		3/22/2005	10:28
ZZZZZZ		3/22/2005	10:30
ZZZZZZ		3/22/2005	10:33
ZZZZZZ		3/22/2005	10:35
ZZZZZZ		3/22/2005	10:37
ZZZZZZ		3/22/2005	10:39
ZZZZZZ		3/22/2005	10:40
ZZZZZZ		3/22/2005	10:42
Ck5 CCV		3/22/2005	10:44
Ck6 CCB		3/22/2005	10:46
ZZZZZZ		3/22/2005	10:48
ZZZZZZ		3/22/2005	10:50
ZZZZZZ		3/22/2005	10:52
ZZZZZZ		3/22/2005	10:54

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Metals Data Reporting Form

Instrument Runlog **SDG:** 503077W

Instrument: CVAA **Chart Number:** HG050322.PRN

Lab Sample Name	Client Sample Name	Date of Analysis	Time of Analysis
ZZZZZZ		3/22/2005	10:57
ZZZZZZ		3/22/2005	10:59
ZZZZZZ		3/22/2005	11:01
BLK74479	BLK74479	3/22/2005	11:03
BKS74479	BKS74479	3/22/2005	11:05
ZZZZZZ		3/22/2005	11:07
Ck5 CCV		3/22/2005	11:09
Ck6 CCB		3/22/2005	11:11
S 503077-002-042-1/1	SW-1-031705	3/22/2005	11:14
S 503077-003-066-1/1	SW-1-031705FIL	3/22/2005	11:16
S 503077-004-043-1/1	SW-2-031705	3/22/2005	11:18
S 503077-005-067-1/1	SW-2-031705FIL	3/22/2005	11:20
S 503077-006-044-1/1	SW-7-031705	3/22/2005	11:22
S 503077-007-068-1/1	SW-7-031705FIL	3/22/2005	11:24
S 503077-008-045-1/1	SW-6-031705	3/22/2005	11:26
S 503077-009-069-1/1	SW-6-031705FIL	3/22/2005	11:28
S 503077-010-046-1/1	SW-5-031705	3/22/2005	11:31
S 503077-011-070-1/1	SW-5-031705FIL	3/22/2005	11:33
Ck5 CCV		3/22/2005	11:35
Ck6 CCB		3/22/2005	11:37
S 503077-012-047-1/1	SW-4-031705	3/22/2005	11:39
S 503077-013-071-1/1	SW-4-031705FIL	3/22/2005	11:41
S 503077-014-078-1/3	SW-3-031705	3/22/2005	11:43
D 503077-014-078-1/3	SW-3-031705	3/22/2005	11:45
SP503077-014-078-1/3	SW-3-031705	3/22/2005	11:46
S 503077-015-089-1/3	SW-3-031705FIL	3/22/2005	11:48
D 503077-015-089-1/3	SW-3-031705FIL	3/22/2005	11:50
SP503077-015-089-1/3	SW-3-031705FIL	3/22/2005	11:52
Ck5 CCV		3/22/2005	11:54
Ck6 CCB		3/22/2005	11:56

GPL Laboratories, LLLP

Percent Solids Determination Log

Method Title: CLP_SOLIDS
Analyst: Parveen Khatta
Method Reference: Percent Solids by CLP
Reviewed By/Date: 3/23/05
Analytical Balance ID: Saratorius CP153
Analytical Batch: 75060
Date/Time In (Oven): 03/22/2005 12:52
Oven Temperature: 104C
Date/Time Out (Oven): 03/23/2005 09:00
Oven Temperature: 105C
Dessicator Temp: 20C
% Humidity (<20%): 12%

Drying Oven Temp Maintained at 103-105C

SDG	Lab Sample ID	Client Sample ID	Weight of Dish	Weight of Wet Sample + Dish	Weight of Dry Sample + Dish	Percent Moisture	RPD
503038	503038-001-003-1/1	103-GVW-030205	0.9110g	10.4030g	9.3950g	10.6%	
503038	503038-001-003-1/1	103-GVW-030205D	0.9110g	10.4030g	9.3950g	10.6%	
503038	503038-002-004-1/1	103-GVE-030205	0.9100g	10.2550g	8.8820g	14.7%	
503077	503077-016-098-1/1	SD-1-031705	0.9070g	10.2070g	8.4690g	18.7%	
503077	503077-017-099-1/1	SD-3-031705	0.9070g	10.2980g	8.8540g	15.4%	
503077	503077-018-100-1/1	SD-04-031705	0.9070g	10.4300g	7.7770g	27.9%	
503080	503080-001-001-1/1	05-03-159-01	0.9050g	10.4720g	9.7780g	7.3%	
503080	503080-002-002-1/1	05-03-159-02	0.9060g	10.5090g	9.7280g	8.1%	
503080	503080-003-003-1/1	05-03-159-03	0.9040g	10.4480g	10.0400g	4.3%	
503080	503080-004-004-1/1	05-03-159-04	0.9100g	10.8580g	10.5270g	3.3%	
503080	503080-005-005-1/1	05-03-159-05	0.9100g	10.5040g	9.4100g	11.4%	
503080	503080-006-006-1/1	05-03-159-06	0.9060g	10.4700g	9.1370g	13.9%	
503086	503086-001-001-1/1	05-03-223-01	0.9100g	10.5580g	8.4620g	21.7%	
503086	503086-002-002-1/1	05-03-223-02	0.9110g	10.4210g	8.1560g	23.8%	
503086	503086-003-003-1/1	05-03-223-03	0.9090g	10.6820g	8.1230g	26.2%	
503087	503087-002-048-1/1	AS01-SD05A-R10	0.9090g	10.8060g	9.0530g	17.7%	
503087	503087-004-049-1/1	AS01-SD04A-R10	0.9090g	10.2170g	8.0670g	23.1%	
503087	503087-006-050-1/1	AS01-SD03A-R10	0.9040g	10.4660g	8.4580g	21.0%	
503087	503087-008-051-1/1	AS01-SD02A-R10	0.9100g	10.4570g	8.7620g	17.8%	
503087	503087-010-052-1/1	AS01-SD01A-R10	0.9070g	10.3020g	9.2910g	10.8%	
503093	503093-001-001-1/1	0311-CR-S1	0.9120g	10.2860g	8.9350g	14.4%	
503093	503093-002-002-1/1	0311-CR-S2	0.9090g	10.1480g	9.0140g	12.3%	
503094	503094-001-017-1/1	SD-7-031805	0.9060g	10.7560g	5.7030g	51.3%	
503094	503094-002-018-1/1	SD-8-031805	0.9070g	10.3920g	5.6060g	50.5%	
503094	503094-003-019-1/1	SD-9-031805	0.9130g	10.4220g	3.9160g	68.4%	
503094	503094-004-020-1/1	SD-2-031805	0.9040g	10.5430g	4.8990g	58.6%	
503094	503094-004-020-1/1	SD-2-031805D	0.9040g	10.5430g	4.8990g	58.6%	

Sample: SD-04-031705

$\frac{876.30}{1000} \times \frac{100\ mL}{1.73g} = \frac{50.653}{0.72} = 70.35 \times 2 = 140.7\ mg/kg$ ✓

Analysis Report 03/24/05 04:09:49 PM page 1

Method: TRACE1 Sample Name: S 503077-018-100-1/1 Operator: LCM
Run Time: 03/24/05 16:01:57 72% solids; 1.73 g; 100 mL; 2x D.F.
Comment: UG/L 2
Mode: CONC Corr. Factor: 1

Elem	AL	SB	AS	BA	BE	CD	CA
Avge	32239.59	31.51616	23.24179	547.1939	4.779166	130.5793	112236.3
#1	32235.92	30.12278	22.01115	547.9364	4.743957	130.5741	112221.8
#2	32243.27	32.90954	24.47244	546.4514	4.814374	130.5845	112250.7
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	525000.0	5250.000	2100.000	10500.00	525.0000	2100.000	525000.0
Low	-200.000	-20.0000	-20.0000	-5.00000	-2.00000	-6.00000	-1000.00

Elem	CR	CO	CU	FE	PB	MG	MN
Avge	702.2423	151.4982	153.9640	91438.00	876.3013	40848.73	9110.851
#1	702.6241	151.6094	153.8539	91574.14	877.4087	40833.98	9116.892
#2	701.8605	151.3870	154.0740	91301.87	875.1940	40863.49	9104.810
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10500.00	10500.00	10500.00	525000.0	21000.00	525000.0	10500.00
Low	-5.00000	-5.00000	-10.0000	-150.000	-10.0000	-250.000	-5.00000

Elem	NI	K	SE	AG	NA	TL	V
Avge	109.5181	2201.127	3.094634	.9893594	2698.723	-7.76424	119.1457
#1	109.4804	2192.613	4.589963	.7396294	2518.479	-10.9414	119.2050
#2	109.5559	2209.642	1.599305	1.239089	2878.967	-4.58710	119.0863
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	7875.000	52500.00	2100.000	1050.000	525000.0	2100.000	10500.00
Low	-10.0000	-250.000	-5.00000	-3.00000	-2500.00	-30.0000	-10.0000

Elem	ZN	B	MO	SN	SR	TI	1/PB
Avge	1784.023	20.53524	9.808462	25.67733	203.8991	1660.239	876.8226
#1	1786.838	20.72818	9.734934	26.94990	203.9717	1657.868	877.9498
#2	1781.209	20.34230	9.881991	24.40477	203.8265	1662.612	875.6953
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	10500.00	5250.000	10500.00	10500.00	2100.000	105000.0	
Low	-20.0000	-15.0000	-5.00000	-25.0000	-5.00000	-10.0000	

Elem	2/PB	1/SE	2/SE	SI	2Cd226	3Cd226	2As189
Avge	876.0403	-.967752	5.125396	4201.454	138.4061	338.8500	16.94798
#1	877.1377	.7488898	6.509983	4209.181	138.4498	344.7317	15.69570
#2	874.9428	-2.68439	3.740808	4193.727	138.3625	332.9682	18.20027
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK
High				52500.00			
Low				-50.0000			

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		86.904%	-0.008	22.960	4.320	4.568	2.677	0.850	9.279	89.305%
Run	**Time**	**47Ti**	**51V**	**52Cr**	**53Cl O**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.167	-0.504	-0.763	34020.000	0.085	2.392	0.052	0.053	-0.592
Run	**Time**	**66Zn**	**75As**	**77Ar Cl**	**78Se**	**82Se**	**88Sr**	**89Y**	**95Mo**	**107Ag**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.069	0.026	0.256	-0.714	-0.006	0.069	92.293%	0.075	0.026
Run	**Time**	**108Mo O**	**109Ag**	**110Cd**	**111Cd**	**114Cd**	**115In**	**118Sn**	**121Sb**	**123Sb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.145	0.020	-0.101	-0.109	-0.068	94.043%	0.067	-0.059	-0.065
Run	**Time**	**137Ba**	**153Ba O**	**159Tb**	**203Tl**	**205Tl**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb	ppb		
x		0.051	0.002	97.586%	0.191	0.202	0.118	97.748%		

S 503077-014-078-1/3 04/04/2005 08:22:44 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	23Na	24Mg	25Mg	27Al	39K	44Ca	45Sc
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		83.199%	0.089	M 381800.000	M 62490.000	M 62140.000	161.200	M 19740.000	M 47720.000	89.610%
Run	**Time**	**47Ti**	**51V**	**52Cr**	**53Cl O**	**55Mn**	**56Fe**	**59Co**	**60Ni**	**65Cu**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		4.416	1.107	1.382	-22700.000	96.810	578.300	1.389	2.836	29.170
Run	**Time**	**66Zn**	**75As**	**77Ar Cl**	**78Se**	**82Se**	**88Sr**	**89Y**	**95Mo**	**107Ag**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		12.030	0.894	-0.106	-0.033	1.780	M 455.500	90.750%	0.947	0.039
Run	**Time**	**108Mo O**	**109Ag**	**110Cd**	**111Cd**	**114Cd**	**115In**	**118Sn**	**121Sb**	**123Sb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
x		0.061	0.038	0.330	0.291	0.332	88.828%	1.317	0.089	0.093
Run	**Time**	**137Ba**	**153Ba O**	**159Tb**	**203Tl**	**205Tl**	**208Pb**	**209Bi**		
		ppb	ppb	ppb	ppb	ppb	ppb	ppb		
x		39.330	0.140	95.608%	0.045	0.013	1.652	83.101%		

Sample: SW-3-031705

1,382 ppb (= 1.4 mg/L) ✓

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO: **M. MARTIN** **DATE:** **JUNE 8, 2005**

FROM: **EDWARD SEDLMYER** **COPIES:** **DV FILE**

SUBJECT: **ORGANIC DATA VALIDATION- VOC/SVOC/PCB**
LOCKHEED MIDDLE RIVER
SDG 503094

SAMPLES: 9/Sediment

SD-10-031805	SD-11-031805	SD-12-031805
SD-2-031805	SD-5-031805	SD-6-031805
SD-7-031805	SD-8-031805	SD-9-031805

1/Aqueous

TB-031805

Overview

The sample set for Lockheed Middle River, SDG 503094 consists of nine (9) environmental sediment samples and one (1) trip blank sample. All samples were analyzed for volatile organic compounds (VOC), semivolatile organic compounds (SVOC), and polychlorinated biphenyls (PCB).

The samples were collected by Tetra Tech NUS on March 18, 2005 and analyzed by GPL Laboratories. All analyses were conducted in accordance with SW-846 8260B, 8270C, and 8082 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/continuing calibrations, laboratory method blank results, surrogate spike recoveries, blank spike/blank spike duplicate results, matrix spike/matrix spike duplicate results, internal standard recoveries, and detection limits. Areas of concern are listed below.

Minor

- The soil initial calibration performed on 3/08/05 exceeded the 30% difference (but was <50%) quality control criterion for acetone. The positive result for acetone has been qualified as estimated (J) in the trip blank.

- The surrogate decachlorobiphenyl had a recovery greater than the quality control limit for sample SD-5-031805. The positive Aroclor-1260 result for sample SD-5-031805 has been qualified as estimated (J).

- The matrix spike / matrix spike duplicate (MS/MSD) performed on sample SD-6-031805 had recoveries greater than the quality control limit for Aroclor-1016 in the MS/MSD and a recovery less than the quality control limit for Aroclor-1260 in the MS. In addition the relative percent difference (%RPD) exceeded the quality control limit for Aroclor-1016 and Aroclor-1260. The positive result for Aroclor-1260 in sample SD-6-031805 was qualified as estimated (J). No action was taken on the

Aroclor-1016 result because the Aroclor was not detected.

- The SVOA continuing calibration performed on 3/30/05 @ 11:58 exceeded the 25% difference (but were <50%) quality control criterion for bis(2-ethylhexyl)phthalate. The positive results for bis(2-ethylhexyl)phthalate were qualified as estimated (J), in the affected samples.

- The SVOA continuing calibration performed on 3/29/05 @ 10:32 exceeded the 25% difference (but were <50%) quality control criterion for bis(2-ethylhexyl)phthalate. The positive results for bis(2-ethylhexyl)phthalate were qualified as estimated (J), in the affected samples.

- The following compound was detected in the trip blank at the maximum concentration indicated below:

Compound	Concentration (µg/L)	Action Level (µg/kg)
Acetone	14	140

Blank Actions

- Value < Reporting Limit (RL); report value followed by a B.
- Value > RL and < Action Level; report value followed by a B.
- Value > RL and > Action Level; report value unqualified.

An action level of 10X the maximum contaminant concentration was established for acetone to evaluate laboratory contamination. Dilution factors, percent solids, and sample aliquots were taken into consideration during the application of all action levels. The affected positive results were qualified (B) as a result of blank contamination for acetone.

Notes

The VOA matrix spike / matrix spike duplicate performed on sample SD-6-031805 had a percent recoveries less than the quality control limit for the following compounds: 1,1,1-trichloroethane, 1,2-dichloroethane, 4-methyl-2-pentanone, benzene, bromodichloromethane, bromoform, carbon tetrachloride, chlorobenzene, chloroform, dibromochloromethane, toluene, and trichloroethene. No action was taken on this basis because none of the aforementioned compounds were detected in the unspiked sample.

The VOA continuing calibration performed on 3/25/05 @ 08:24 exceeded the 25% difference (but was <50%) quality control criterion for methyl tert-butyl ether and 2-butanone. No action was taken on this basis because the aforementioned compounds were not detected in any samples.

The VOA continuing calibration performed on 3/29/05 @ 10:05 exceeded the 25% difference (but was <50%) quality control criterion for methyl tert-butyl ether. No action was taken on this basis because methyl tert-butyl ether was not detected in any samples.

The SVOA continuing calibration performed on 3/29/05 @ 10:32 exceeded the 25% difference (but was <50%) quality control criterion for 2,4-dinitrophenol. No action was taken on this basis because 2,4-dinitrophenol was not detected in any samples.

The SVOA continuing calibration performed on 3/30/05 @ 11:58 exceeded the 25% difference (but were <50%) quality control criterion for 2,4-dinitrophenol, 4,6-dinitro-2-methylphenol, di-n-octylphthalate, and pyridine. No action was taken on this basis because the aforementioned compounds were not detected in any samples.

Samples SD-10-031805, SD-11-031805, SD-12-031805, and SD-9-031805 were diluted because of concentrations of Aroclor-1260 greater than the calibration range of the instrument. This accounts for the elevated detection limits for the non-detected Aroclors in the aforementioned samples.

Executive Summary

Laboratory Performance: VOA and SVOA continuing calibrations failed to meet linearity criteria resulting in qualification of the data. Acetone was qualified in all sediment samples due to trip blank contamination. Qualifications were made due to PCB surrogate non-compliances.

Other Factors Affecting Data Quality: Qualifications were made due to matrix spike non-compliances.

The data for these analyses were reviewed with reference to SW-846 method-specific requirements and U.S. EPA National Functional Guidelines for Data Validation as modified by EPA Region III (9/94) to the extent practicable. The text of this report has been formulated to address only those problem areas affecting data quality.

Edward Sedlmyer

Tetra Tech NUS
Edward Sedlmyer
Chemist/Data Validator

Tetra Tech NUS
Joseph A. Samchuck
Quality Assurance Officer

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

Appendix A

Qualified Analytical Results

PROJ_NO: 00076

SDG: 503094 MEDIA: SOIL DATA FRACTION: OV

nsample	SD-10-031805
samp_date	3/18/2005
lab_id	503094-007
qc_type	NM
units	UG/KG
Pct_Solids	34.6
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	14	U	
1,1,2,2-TETRACHLOROETHANE	14	U	
1,1,2-TRICHLOROETHANE	14	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	14	U	
1,1-DICHLOROETHANE	14	U	
1,1-DICHLOROETHENE	14	U	
1,2,4-TRICHLOROBENZENE	14	U	
1,2-DIBROMO-3-CHLOROPROPANE	14	U	
1,2-DIBROMOETHANE	14	U	
1,2-DICHLOROBENZENE	14	U	
1,2-DICHLOROETHANE	14	U	
1,2-DICHLOROPROPANE	14	U	
1,3-DICHLOROBENZENE	14	U	
1,4-DICHLOROBENZENE	14	U	
2-BUTANONE	29	U	
2-HEXANONE	29	U	
4-METHYL-2-PENTANONE	29	U	
ACETONE	28	B	B
BENZENE	14	U	
BROMODICHLOROMETHANE	14	U	
BROMOFORM	14	U	
BROMOMETHANE	29	U	
CARBON DISULFIDE	14	U	
CARBON TETRACHLORIDE	14	U	
CHLOROBENZENE	14	U	
CHLORODIBROMOMETHANE	14	U	
CHLOROETHANE	29	U	
CHLOROFORM	14	U	
CHLOROMETHANE	29	U	
CIS-1,2-DICHLOROETHENE	14	U	
CIS-1,3-DICHLOROPROPENE	14	U	
CYCLOHEXANE	14	U	

nsample	SD-10-031805
samp_date	3/18/2005
lab_id	503094-007
qc_type	NM
units	UG/KG
Pct_Solids	34.6
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
DICHLORODIFLUOROMETHANE	14	U	
ETHYLBENZENE	14	U	
ISOPROPYLBENZENE	14	U	
M+P-XYLENES	14	U	
METHYL ACETATE	14	U	
METHYL CYCLOHEXANE	14	U	
METHYL TERT-BUTYL ETHER	14	U	
METHYLENE CHLORIDE	29	U	
O-XYLENE	14	U	
STYRENE	14	U	
TETRACHLOROETHENE	14	U	
TOLUENE	14	U	
TRANS-1,2-DICHLOROETHENE	14	U	
TRANS-1,3-DICHLOROPROPENE	14	U	
TRICHLOROETHENE	14	U	
TRICHLOROFLUOROMETHANE	14	U	
VINYL CHLORIDE	29	U	

nsample	SD-11-031805
samp_date	3/18/2005
lab_id	503094-008
qc_type	NM
units	UG/KG
Pct_Solids	55.9
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	8.9	U	
1,1,2,2-TETRACHLOROETHANE	8.9	U	
1,1,2-TRICHLOROETHANE	8.9	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	8.9	U	
1,1-DICHLOROETHANE	8.9	U	
1,1-DICHLOROETHENE	8.9	U	
1,2,4-TRICHLOROBENZENE	8.9	U	
1,2-DIBROMO-3-CHLOROPROPANE	8.9	U	
1,2-DIBROMOETHANE	8.9	U	
1,2-DICHLOROBENZENE	8.9	U	
1,2-DICHLOROETHANE	8.9	U	
1,2-DICHLOROPROPANE	8.9	U	
1,3-DICHLOROBENZENE	8.9	U	
1,4-DICHLOROBENZENE	8.9	U	
2-BUTANONE	18	U	
2-HEXANONE	18	U	
4-METHYL-2-PENTANONE	18	U	
ACETONE	18	U	
BENZENE	8.9	U	
BROMODICHLOROMETHANE	8.9	U	
BROMOFORM	8.9	U	
BROMOMETHANE	18	U	
CARBON DISULFIDE	8.9	U	
CARBON TETRACHLORIDE	8.9	U	
CHLOROBENZENE	8.9	U	
CHLORODIBROMOMETHANE	8.9	U	
CHLOROETHANE	18	U	
CHLOROFORM	8.9	U	
CHLOROMETHANE	18	U	
CIS-1,2-DICHLOROETHENE	8.9	U	
CIS-1,3-DICHLOROPROPENE	8.9	U	
CYCLOHEXANE	8.9	U	

PROJ_NO: 00076

SDG: 503094 MEDIA: SOIL DATA FRACTION: OV

nsample	SD-11-031805
samp_date	3/18/2005
lab_id	503094-008
qc_type	NM
units	UG/KG
Pct_Solids	55.9
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
DICHLORODIFLUOROMETHANE	8.9	U	
ETHYLBENZENE	8.9	U	
ISOPROPYLBENZENE	8.9	U	
M+P-XYLENES	8.9	U	
METHYL ACETATE	8.9	U	
METHYL CYCLOHEXANE	8.9	U	
METHYL TERT-BUTYL ETHER	8.9	U	
METHYLENE CHLORIDE	18	U	
O-XYLENE	8.9	U	
STYRENE	8.9	U	
TETRACHLOROETHENE	8.9	U	
TOLUENE	8.9	U	
TRANS-1,2-DICHLOROETHENE	8.9	U	
TRANS-1,3-DICHLOROPROPENE	8.9	U	
TRICHLOROETHENE	8.9	U	
TRICHLOROFLUOROMETHANE	8.9	U	
VINYL CHLORIDE	18	U	

nsample	SD-12-031805
samp_date	3/18/2005
lab_id	503094-009
qc_type	NM
units	UG/KG
Pct_Solids	30.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	17	U	
1,1,2,2-TETRACHLOROETHANE	17	U	
1,1,2-TRICHLOROETHANE	17	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	17	U	
1,1-DICHLOROETHANE	17	U	
1,1-DICHLOROETHENE	17	U	
1,2,4-TRICHLOROBENZENE	17	U	
1,2-DIBROMO-3-CHLOROPROPANE	17	U	
1,2-DIBROMOETHANE	17	U	
1,2-DICHLOROBENZENE	17	U	
1,2-DICHLOROETHANE	17	U	
1,2-DICHLOROPROPANE	17	U	
1,3-DICHLOROBENZENE	17	U	
1,4-DICHLOROBENZENE	17	U	
2-BUTANONE	33	U	
2-HEXANONE	33	U	
4-METHYL-2-PENTANONE	33	U	
ACETONE	110	B	B
BENZENE	17	U	
BROMODICHLOROMETHANE	17	U	
BROMOFORM	17	U	
BROMOMETHANE	33	U	
CARBON DISULFIDE	17	U	
CARBON TETRACHLORIDE	17	U	
CHLOROBENZENE	17	U	
CHLORODIBROMOMETHANE	17	U	
CHLOROETHANE	33	U	
CHLOROFORM	17	U	
CHLOROMETHANE	33	U	
CIS-1,2-DICHLOROETHENE	17	U	
CIS-1,3-DICHLOROPROPENE	17	U	
CYCLOHEXANE	17	U	

nsample	SD-12-031805
samp_date	3/18/2005
lab_id	503094-009
qc_type	NM
units	UG/KG
Pct_Solids	30.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
DICHLORODIFLUOROMETHANE	17	U	
ETHYLBENZENE	17	U	
ISOPROPYLBENZENE	17	U	
M+P-XYLENES	17	U	
METHYL ACETATE	17	U	
METHYL CYCLOHEXANE	17	U	
METHYL TERT-BUTYL ETHER	17	U	
METHYLENE CHLORIDE	33	U	
O-XYLENE	17	U	
STYRENE	17	U	
TETRACHLOROETHENE	17	U	
TOLUENE	17	U	
TRANS-1,2-DICHLOROETHENE	17	U	
TRANS-1,3-DICHLOROPROPENE	17	U	
TRICHLOROETHENE	17	U	
TRICHLOROFLUOROMETHANE	17	U	
VINYL CHLORIDE	33	U	

PROJ_NO: 00076

SDG: 503094 MEDIA: SOIL DATA FRACTION: OV

nsample	SD-2-031805
samp_date	3/18/2005
lab_id	503094-004
qc_type	NM
units	UG/KG
Pct_Solids	41.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	12	U	
1,1,2,2-TETRACHLOROETHANE	12	U	
1,1,2-TRICHLOROETHANE	12	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	12	U	
1,1-DICHLOROETHANE	12	U	
1,1-DICHLOROETHENE	12	U	
1,2,4-TRICHLOROBENZENE	12	U	
1,2-DIBROMO-3-CHLOROPROPANE	12	U	
1,2-DIBROMOETHANE	12	U	
1,2-DICHLOROBENZENE	12	U	
1,2-DICHLOROETHANE	12	U	
1,2-DICHLOROPROPANE	12	U	
1,3-DICHLOROBENZENE	12	U	
1,4-DICHLOROBENZENE	12	U	
2-BUTANONE	24	U	
2-HEXANONE	24	U	
4-METHYL-2-PENTANONE	24	U	
ACETONE	19	B	B
BENZENE	12	U	
BROMODICHLOROMETHANE	12	U	
BROMOFORM	12	U	
BROMOMETHANE	24	U	
CARBON DISULFIDE	12	U	
CARBON TETRACHLORIDE	12	U	
CHLOROBENZENE	12	U	
CHLORODIBROMOMETHANE	12	U	
CHLOROETHANE	24	U	
CHLOROFORM	12	U	
CHLOROMETHANE	24	U	
CIS-1,2-DICHLOROETHENE	12	U	
CIS-1,3-DICHLOROPROPENE	12	U	
CYCLOHEXANE	12	U	

nsample	SD-2-031805
samp_date	3/18/2005
lab_id	503094-004
qc_type	NM
units	UG/KG
Pct_Solids	41.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
DICHLORODIFLUOROMETHANE	12	U	
ETHYLBENZENE	12	U	
ISOPROPYLBENZENE	12	U	
M+P-XYLENES	12	U	
METHYL ACETATE	12	U	
METHYL CYCLOHEXANE	12	U	
METHYL TERT-BUTYL ETHER	12	U	
METHYLENE CHLORIDE	24	U	
O-XYLENE	12	U	
STYRENE	12	U	
TETRACHLOROETHENE	12	U	
TOLUENE	12	U	
TRANS-1,2-DICHLOROETHENE	12	U	
TRANS-1,3-DICHLOROPROPENE	12	U	
TRICHLOROETHENE	12	U	
TRICHLOROFLUOROMETHANE	12	U	
VINYL CHLORIDE	24	U	

nsample	SD-5-031805
samp_date	3/18/2005
lab_id	503094-006
qc_type	NM
units	UG/KG
Pct_Solids	49.1
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	10	U	
1,1,2,2-TETRACHLOROETHANE	10	U	
1,1,2-TRICHLOROETHANE	10	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	10	U	
1,1-DICHLOROETHANE	10	U	
1,1-DICHLOROETHENE	10	U	
1,2,4-TRICHLOROBENZENE	10	U	
1,2-DIBROMO-3-CHLOROPROPANE	10	U	
1,2-DIBROMOETHANE	10	U	
1,2-DICHLOROBENZENE	10	U	
1,2-DICHLOROETHANE	10	U	
1,2-DICHLOROPROPANE	10	U	
1,3-DICHLOROBENZENE	10	U	
1,4-DICHLOROBENZENE	10	U	
2-BUTANONE	20	U	
2-HEXANONE	20	U	
4-METHYL-2-PENTANONE	20	U	
ACETONE	15	B	B
BENZENE	10	U	
BROMODICHLOROMETHANE	10	U	
BROMOFORM	10	U	
BROMOMETHANE	20	U	
CARBON DISULFIDE	10	U	
CARBON TETRACHLORIDE	10	U	
CHLOROBENZENE	10	U	
CHLORODIBROMOMETHANE	10	U	
CHLOROETHANE	20	U	
CHLOROFORM	10	U	
CHLOROMETHANE	20	U	
CIS-1,2-DICHLOROETHENE	10	U	
CIS-1,3-DICHLOROPROPENE	10	U	
CYCLOHEXANE	10	U	

PROJ_NO: 00076

SDG: 503094 MEDIA: SOIL DATA FRACTION: OV

nsample	SD-5-031805
samp_date	3/18/2005
lab_id	503094-006
qc_type	NM
units	UG/KG
Pct_Solids	49.1
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
DICHLORODIFLUOROMETHANE	10	U	
ETHYLBENZENE	10	U	
ISOPROPYLBENZENE	10	U	
M+P-XYLENES	10	U	
METHYL ACETATE	10	U	
METHYL CYCLOHEXANE	10	U	
METHYL TERT-BUTYL ETHER	10	U	
METHYLENE CHLORIDE	20	U	
O-XYLENE	10	U	
STYRENE	10	U	
TETRACHLOROETHENE	10	U	
TOLUENE	10	U	
TRANS-1,2-DICHLOROETHENE	10	U	
TRANS-1,3-DICHLOROPROPENE	10	U	
TRICHLOROETHENE	10	U	
TRICHLOROFLUOROMETHANE	10	U	
VINYL CHLORIDE	20	U	

nsample	SD-6-031805
samp_date	3/18/2005
lab_id	503094-005
qc_type	NM
units	UG/KG
Pct_Solids	42.5
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	12	U	
1,1,2,2-TETRACHLOROETHANE	12	U	
1,1,2-TRICHLOROETHANE	12	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	12	U	
1,1-DICHLOROETHANE	12	U	
1,1-DICHLOROETHENE	12	U	
1,2,4-TRICHLOROBENZENE	12	U	
1,2-DIBROMO-3-CHLOROPROPANE	12	U	
1,2-DIBROMOETHANE	12	U	
1,2-DICHLOROBENZENE	12	U	
1,2-DICHLOROETHANE	12	U	
1,2-DICHLOROPROPANE	12	U	
1,3-DICHLOROBENZENE	12	U	
1,4-DICHLOROBENZENE	12	U	
2-BUTANONE	24	U	
2-HEXANONE	24	U	
4-METHYL-2-PENTANONE	24	U	
ACETONE	24	U	
BENZENE	12	U	
BROMODICHLOROMETHANE	12	U	
BROMOFORM	12	U	
BROMOMETHANE	24	U	
CARBON DISULFIDE	12	U	
CARBON TETRACHLORIDE	12	U	
CHLOROBENZENE	12	U	
CHLORODIBROMOMETHANE	12	U	
CHLOROETHANE	24	U	
CHLOROFORM	12	U	
CHLOROMETHANE	24	U	
CIS-1,2-DICHLOROETHENE	12	U	
CIS-1,3-DICHLOROPROPENE	12	U	
CYCLOHEXANE	12	U	

nsample	SD-6-031805
samp_date	3/18/2005
lab_id	503094-005
qc_type	NM
units	UG/KG
Pct_Solids	42.5
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
DICHLORODIFLUOROMETHANE	12	U	
ETHYLBENZENE	12	U	
ISOPROPYLBENZENE	12	U	
M+P-XYLENES	12	U	
METHYL ACETATE	12	U	
METHYL CYCLOHEXANE	12	U	
METHYL TERT-BUTYL ETHER	12	U	
METHYLENE CHLORIDE	24	U	
O-XYLENE	12	U	
STYRENE	12	U	
TETRACHLOROETHENE	12	U	
TOLUENE	12	U	
TRANS-1,2-DICHLOROETHENE	12	U	
TRANS-1,3-DICHLOROPROPENE	12	U	
TRICHLOROETHENE	12	U	
TRICHLOROFLUOROMETHANE	12	U	
VINYL CHLORIDE	24	U	

PROJ_NO: 00076

SDG: 503094 MEDIA: SOIL DATA FRACTION: OV

nsample	SD-7-031805
samp_date	3/18/2005
lab_id	503094-001
qc_type	NM
units	UG/KG
Pct_Solids	48.7
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	10	U	
1,1,2,2-TETRACHLOROETHANE	10	U	
1,1,2-TRICHLOROETHANE	10	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	10	U	
1,1-DICHLOROETHANE	10	U	
1,1-DICHLOROETHENE	10	U	
1,2,4-TRICHLOROBENZENE	10	U	
1,2-DIBROMO-3-CHLOROPROPANE	10	U	
1,2-DIBROMOETHANE	10	U	
1,2-DICHLOROBENZENE	10	U	
1,2-DICHLOROETHANE	10	U	
1,2-DICHLOROPROPANE	10	U	
1,3-DICHLOROBENZENE	10	U	
1,4-DICHLOROBENZENE	10	U	
2-BUTANONE	21	U	
2-HEXANONE	21	U	
4-METHYL-2-PENTANONE	21	U	
ACETONE	91	B	B
BENZENE	10	U	
BROMODICHLOROMETHANE	10	U	
BROMOFORM	10	U	
BROMOMETHANE	21	U	
CARBON DISULFIDE	10	U	
CARBON TETRACHLORIDE	10	U	
CHLOROBENZENE	10	U	
CHLORODIBROMOMETHANE	10	U	
CHLOROETHANE	21	U	
CHLOROFORM	10	U	
CHLOROMETHANE	21	U	
CIS-1,2-DICHLOROETHENE	10	U	
CIS-1,3-DICHLOROPROPENE	10	U	
CYCLOHEXANE	10	U	

nsample	SD-7-031805
samp_date	3/18/2005
lab_id	503094-001
qc_type	NM
units	UG/KG
Pct_Solids	48.7
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
DICHLORODIFLUOROMETHANE	10	U	
ETHYLBENZENE	10	U	
ISOPROPYLBENZENE	10	U	
M+P-XYLENES	10	U	
METHYL ACETATE	10	U	
METHYL CYCLOHEXANE	10	U	
METHYL TERT-BUTYL ETHER	10	U	
METHYLENE CHLORIDE	21	U	
O-XYLENE	10	U	
STYRENE	10	U	
TETRACHLOROETHENE	10	U	
TOLUENE	10	U	
TRANS-1,2-DICHLOROETHENE	10	U	
TRANS-1,3-DICHLOROPROPENE	10	U	
TRICHLOROETHENE	10	U	
TRICHLOROFLUOROMETHANE	10	U	
VINYL CHLORIDE	21	U	

nsample	SD-8-031805
samp_date	3/18/2005
lab_id	503094-002
qc_type	NM
units	UG/KG
Pct_Solids	49.5
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	10	U	
1,1,2,2-TETRACHLOROETHANE	10	U	
1,1,2-TRICHLOROETHANE	10	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	10	U	
1,1-DICHLOROETHANE	10	U	
1,1-DICHLOROETHENE	10	U	
1,2,4-TRICHLOROBENZENE	10	U	
1,2-DIBROMO-3-CHLOROPROPANE	10	U	
1,2-DIBROMOETHANE	10	U	
1,2-DICHLOROBENZENE	10	U	
1,2-DICHLOROETHANE	10	U	
1,2-DICHLOROPROPANE	10	U	
1,3-DICHLOROBENZENE	10	U	
1,4-DICHLOROBENZENE	10	U	
2-BUTANONE	20	U	
2-HEXANONE	20	U	
4-METHYL-2-PENTANONE	20	U	
ACETONE	96	B	B
BENZENE	10	U	
BROMODICHLOROMETHANE	10	U	
BROMOFORM	10	U	
BROMOMETHANE	20	U	
CARBON DISULFIDE	10	U	
CARBON TETRACHLORIDE	10	U	
CHLOROBENZENE	10	U	
CHLORODIBROMOMETHANE	10	U	
CHLOROETHANE	20	U	
CHLOROFORM	10	U	
CHLOROMETHANE	20	U	
CIS-1,2-DICHLOROETHENE	10	U	
CIS-1,3-DICHLOROPROPENE	10	U	
CYCLOHEXANE	10	U	

PROJ_NO: 00076

SDG: 503094 MEDIA: SOIL DATA FRACTION: OV

nsample	SD-8-031805
samp_date	3/18/2005
lab_id	503094-002
qc_type	NM
units	UG/KG
Pct_Solids	49.5
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
DICHLORODIFLUOROMETHANE	10	U	
ETHYLBENZENE	10	U	
ISOPROPYLBENZENE	10	U	
M+P-XYLENES	10	U	
METHYL ACETATE	10	U	
METHYL CYCLOHEXANE	10	U	
METHYL TERT-BUTYL ETHER	10	U	
METHYLENE CHLORIDE	20	U	
O-XYLENE	10	U	
STYRENE	10	U	
TETRACHLOROETHENE	10	U	
TOLUENE	10	U	
TRANS-1,2-DICHLOROETHENE	10	U	
TRANS-1,3-DICHLOROPROPENE	10	U	
TRICHLOROETHENE	10	U	
TRICHLOROFLUOROMETHANE	10	U	
VINYL CHLORIDE	20	U	

nsample	SD-9-031805
samp_date	3/18/2005
lab_id	503094-003
qc_type	NM
units	UG/KG
Pct_Solids	31.6
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	16	U	
1,1,2,2-TETRACHLOROETHANE	16	U	
1,1,2-TRICHLOROETHANE	16	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	16	U	
1,1-DICHLOROETHANE	16	U	
1,1-DICHLOROETHENE	16	U	
1,2,4-TRICHLOROBENZENE	16	U	
1,2-DIBROMO-3-CHLOROPROPANE	16	U	
1,2-DIBROMOETHANE	16	U	
1,2-DICHLOROBENZENE	16	U	
1,2-DICHLOROETHANE	16	U	
1,2-DICHLOROPROPANE	16	U	
1,3-DICHLOROBENZENE	16	U	
1,4-DICHLOROBENZENE	16	U	
2-BUTANONE	32	U	
2-HEXANONE	32	U	
4-METHYL-2-PENTANONE	32	U	
ACETONE	160	B	B
BENZENE	16	U	
BROMODICHLOROMETHANE	16	U	
BROMOFORM	16	U	
BROMOMETHANE	32	U	
CARBON DISULFIDE	9.1	J	P
CARBON TETRACHLORIDE	16	U	
CHLOROBENZENE	16	U	
CHLORODIBROMOMETHANE	16	U	
CHLOROETHANE	32	U	
CHLOROFORM	16	U	
CHLOROMETHANE	32	U	
CIS-1,2-DICHLOROETHENE	16	U	
CIS-1,3-DICHLOROPROPENE	16	U	
CYCLOHEXANE	16	U	

nsample	SD-9-031805
samp_date	3/18/2005
lab_id	503094-003
qc_type	NM
units	UG/KG
Pct_Solids	31.6
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
DICHLORODIFLUOROMETHANE	16	U	
ETHYLBENZENE	16	U	
ISOPROPYLBENZENE	16	U	
M+P-XYLENES	16	U	
METHYL ACETATE	16	U	
METHYL CYCLOHEXANE	16	U	
METHYL TERT-BUTYL ETHER	16	U	
METHYLENE CHLORIDE	32	U	
O-XYLENE	16	U	
STYRENE	16	U	
TETRACHLOROETHENE	16	U	
TOLUENE	16	U	
TRANS-1,2-DICHLOROETHENE	16	U	
TRANS-1,3-DICHLOROPROPENE	16	U	
TRICHLOROETHENE	16	U	
TRICHLOROFLUOROMETHANE	16	U	
VINYL CHLORIDE	32	U	

PROJ_NO: 00076

SDG: 503094 MEDIA: SOIL DATA FRACTION: OV

nsample	TB-031805
samp_date	3/18/2005
lab_id	503094-010
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1-TRICHLOROETHANE	5	U	
1,1,2,2-TETRACHLOROETHANE	5	U	
1,1,2-TRICHLOROETHANE	5	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	5	U	
1,1-DICHLOROETHANE	5	U	
1,1-DICHLOROETHENE	5	U	
1,2,4-TRICHLOROBENZENE	5	U	
1,2-DIBROMO-3-CHLOROPROPANE	5	U	
1,2-DIBROMOETHANE	5	U	
1,2-DICHLOROBENZENE	5	U	
1,2-DICHLOROETHANE	5	U	
1,2-DICHLOROPROPANE	5	U	
1,3-DICHLOROBENZENE	5	U	
1,4-DICHLOROBENZENE	5	U	
2-BUTANONE	10	U	
2-HEXANONE	10	U	
4-METHYL-2-PENTANONE	10	U	
ACETONE	14	J	C
BENZENE	5	U	
BROMODICHLOROMETHANE	5	U	
BROMOFORM	5	U	
BROMOMETHANE	10	U	
CARBON DISULFIDE	5	U	
CARBON TETRACHLORIDE	5	U	
CHLOROBENZENE	5	U	
CHLORODIBROMOMETHANE	5	U	
CHLOROETHANE	10	U	
CHLOROFORM	5	U	
CHLOROMETHANE	10	U	
CIS-1,2-DICHLOROETHENE	5	U	
CIS-1,3-DICHLOROPROPENE	5	U	
CYCLOHEXANE	5	U	

nsample	TB-031805
samp_date	3/18/2005
lab_id	503094-010
qc_type	NM
units	UG/L
Pct_Solids	
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
DICHLORODIFLUOROMETHANE	5	U	
ETHYLBENZENE	5	U	
ISOPROPYLBENZENE	5	U	
M+P-XYLENES	5	U	
METHYL ACETATE	5	U	
METHYL CYCLOHEXANE	5	U	
METHYL TERT-BUTYL ETHER	5	U	
METHYLENE CHLORIDE	10	U	
O-XYLENE	5	U	
STYRENE	5	U	
TETRACHLOROETHENE	5	U	
TOLUENE	5	U	
TRANS-1,2-DICHLOROETHENE	5	U	
TRANS-1,3-DICHLOROPROPENE	5	U	
TRICHLOROETHENE	5	U	
TRICHLOROFLUOROMETHANE	5	U	
VINYL CHLORIDE	10	U	

PROJ_NO: 00076

SDG: 503094 MEDIA: SOIL DATA FRACTION: OS

nsample	SD-10-031805
samp_date	3/18/2005
lab_id	503094-007
qc_type	NM
units	UG/KG
Pct_Solids	34.6
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	960	U	
1,2-DICHLOROBENZENE	960	U	
1,2-DIPHENYLHYDRAZINE	960	U	
1,3-DICHLOROBENZENE	960	U	
1,4-DICHLOROBENZENE	960	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	960	U	
2,4,5-TRICHLOROPHENOL	960	U	
2,4,6-TRICHLOROPHENOL	960	U	
2,4-DICHLOROPHENOL	960	U	
2,4-DIMETHYLPHENOL	960	U	
2,4-DINITROPHENOL	1900	U	
2,4-DINITROTOLUENE	960	U	
2,6-DINITROTOLUENE	960	U	
2-CHLORONAPHTHALENE	960	U	
2-CHLOROPHENOL	960	U	
2-METHYLNAPHTHALENE	960	U	
2-METHYLPHENOL	960	U	
2-NITROANILINE	960	U	
2-NITROPHENOL	960	U	
3,3'-DICHLOROBENZIDINE	1900	U	
3-NITROANILINE	960	U	
4,6-DINITRO-2-METHYLPHENOL	1900	U	
4-BROMOPHENYL PHENYL ETHER	960	U	
4-CHLORO-3-METHYLPHENOL	960	U	
4-CHLOROANILINE	960	U	
4-CHLOROPHENYL PHENYL ETHER	960	U	
4-METHYLPHENOL	960	U	
4-NITROANILINE	960	U	
4-NITROPHENOL	1900	U	
ACENAPHTHENE	190	J	P
ACENAPHTHYLENE	960	U	
ANILINE	960	U	

nsample	SD-10-031805
samp_date	3/18/2005
lab_id	503094-007
qc_type	NM
units	UG/KG
Pct_Solids	34.6
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANTHRACENE	500	J	P
BENZIDINE	960	U	
BENZO(A)ANTHRACENE	1300		
BENZO(A)PYRENE	1100		
BENZO(B)FLUORANTHENE	1400		
BENZO(G,H,I)PERYLENE	740	J	P
BENZO(K)FLUORANTHENE	490	J	P
BENZOIC ACID	1900	U	
BENZYL ALCOHOL	960	U	
BIS(2-CHLOROETHOXY)METHANE	960	U	
BIS(2-CHLOROETHYL)ETHER	960	U	
BIS(2-ETHYLHEXYL)PHTHALATE	280	J	CP
BUTYL BENZYL PHTHALATE	960	U	
CARBAZOLE	250	J	P
CHRYSENE	1300		
DIBENZO(A,H)ANTHRACENE	960	U	
DIBENZOFURAN	960	U	
DIETHYL PHTHALATE	960	U	
DIMETHYL PHTHALATE	960	U	
DI-N-BUTYL PHTHALATE	960	U	
DI-N-OCTYL PHTHALATE	960	U	
FLUORANTHENE	2700		
FLUORENE	250	J	P
HEXACHLOROBENZENE	960	U	
HEXACHLOROBUTADIENE	960	U	
HEXACHLOROCYCLOPENTADIENE	960	U	
HEXACHLOROETHANE	960	U	
INDENO(1,2,3-CD)PYRENE	630	J	P
ISOPHORONE	960	U	
NAPHTHALENE	960	U	
NITROBENZENE	960	U	
N-NITROSODIMETHYLAMINE	960	U	

nsample	SD-10-031805
samp_date	3/18/2005
lab_id	503094-007
qc_type	NM
units	UG/KG
Pct_Solids	34.6
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
N-NITROSO-DI-N-PROPYLAMINE	960	U	
N-NITROSODIPHENYLAMINE	960	U	
PENTACHLOROPHENOL	1900	U	
PHENANTHRENE	2300		
PHENOL	960	U	
PYRENE	2700		
PYRIDINE	960	U	

PROJ_NO: 00076

SDG: 503094 MEDIA: SOIL DATA FRACTION: OS

nsample	SD-11-031805
samp_date	3/18/2005
lab_id	503094-008
qc_type	NM
units	UG/KG
Pct_Solids	55.9
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	600	U	
1,2-DICHLOROBENZENE	600	U	
1,2-DIPHENYLHYDRAZINE	600	U	
1,3-DICHLOROBENZENE	600	U	
1,4-DICHLOROBENZENE	600	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	600	U	
2,4,5-TRICHLOROPHENOL	600	U	
2,4,6-TRICHLOROPHENOL	600	U	
2,4-DICHLOROPHENOL	600	U	
2,4-DIMETHYLPHENOL	600	U	
2,4-DINITROPHENOL	1200	U	
2,4-DINITROTOLUENE	600	U	
2,6-DINITROTOLUENE	600	U	
2-CHLORONAPHTHALENE	600	U	
2-CHLOROPHENOL	600	U	
2-METHYLNAPHTHALENE	600	U	
2-METHYLPHENOL	600	U	
2-NITROANILINE	600	U	
2-NITROPHENOL	600	U	
3,3'-DICHLOROBENZIDINE	1200	U	
3-NITROANILINE	600	U	
4,6-DINITRO-2-METHYLPHENOL	1200	U	
4-BROMOPHENYL PHENYL ETHER	600	U	
4-CHLORO-3-METHYLPHENOL	600	U	
4-CHLOROANILINE	600	U	
4-CHLOROPHENYL PHENYL ETHER	600	U	
4-METHYLPHENOL	600	U	
4-NITROANILINE	600	U	
4-NITROPHENOL	1200	U	
ACENAPHTHENE	600	U	
ACENAPHTHYLENE	600	U	
ANILINE	600	U	

nsample	SD-11-031805
samp_date	3/18/2005
lab_id	503094-008
qc_type	NM
units	UG/KG
Pct_Solids	55.9
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANTHRACENE	600	U	
BENZIDINE	600	U	
BENZO(A)ANTHRACENE	600	U	
BENZO(A)PYRENE	600	U	
BENZO(B)FLUORANTHENE	600	U	
BENZO(G,H,I)PERYLENE	600	U	
BENZO(K)FLUORANTHENE	600	U	
BENZOIC ACID	1200	U	
BENZYL ALCOHOL	600	U	
BIS(2-CHLOROETHOXY)METHANE	600	U	
BIS(2-CHLOROETHYL)ETHER	600	U	
BIS(2-ETHYLHEXYL)PHTHALATE	78	J	CP
BUTYL BENZYL PHTHALATE	600	U	
CARBAZOLE	600	U	
CHRYSENE	600	U	
DIBENZO(A,H)ANTHRACENE	600	U	
DIBENZOFURAN	600	U	
DIETHYL PHTHALATE	600	U	
DIMETHYL PHTHALATE	600	U	
DI-N-BUTYL PHTHALATE	600	U	
DI-N-OCTYL PHTHALATE	600	U	
FLUORANTHENE	600	U	
FLUORENE	600	U	
HEXACHLOROBENZENE	600	U	
HEXACHLOROBUTADIENE	600	U	
HEXACHLOROCYCLOPENTADIENE	600	U	
HEXACHLOROETHANE	600	U	
INDENO(1,2,3-CD)PYRENE	600	U	
ISOPHORONE	600	U	
NAPHTHALENE	600	U	
NITROBENZENE	600	U	
N-NITROSODIMETHYLAMINE	600	U	

nsample	SD-11-031805
samp_date	3/18/2005
lab_id	503094-008
qc_type	NM
units	UG/KG
Pct_Solids	55.9
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
N-NITROSO-DI-N-PROPYLAMINE	600	U	
N-NITROSODIPHENYLAMINE	600	U	
PENTACHLOROPHENOL	1200	U	
PHENANTHRENE	600	U	
PHENOL	600	U	
PYRENE	600	U	
PYRIDINE	600	U	

PROJ_NO: 00076

SDG: 503094 MEDIA: SOIL DATA FRACTION: OS

nsample	SD-12-031805
samp_date	3/18/2005
lab_id	503094-009
qc_type	NM
units	UG/KG
Pct_Solids	30.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	1100	U	
1,2-DICHLOROBENZENE	1100	U	
1,2-DIPHENYLHYDRAZINE	1100	U	
1,3-DICHLOROBENZENE	1100	U	
1,4-DICHLOROBENZENE	1100	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	1100	U	
2,4,5-TRICHLOROPHENOL	1100	U	
2,4,6-TRICHLOROPHENOL	1100	U	
2,4-DICHLOROPHENOL	1100	U	
2,4-DIMETHYLPHENOL	1100	U	
2,4-DINITROPHENOL	2200	U	
2,4-DINITROTOLUENE	1100	U	
2,6-DINITROTOLUENE	1100	U	
2-CHLORONAPHTHALENE	1100	U	
2-CHLOROPHENOL	1100	U	
2-METHYLNAPHTHALENE	1100	U	
2-METHYLPHENOL	1100	U	
2-NITROANILINE	1100	U	
2-NITROPHENOL	1100	U	
3,3'-DICHLOROBENZIDINE	2200	U	
3-NITROANILINE	1100	U	
4,6-DINITRO-2-METHYLPHENOL	2200	U	
4-BROMOPHENYL PHENYL ETHER	1100	U	
4-CHLORO-3-METHYLPHENOL	1100	U	
4-CHLOROANILINE	1100	U	
4-CHLOROPHENYL PHENYL ETHER	1100	U	
4-METHYLPHENOL	1100	U	
4-NITROANILINE	1100	U	
4-NITROPHENOL	2200	U	
ACENAPHTHENE	1100	U	
ACENAPHTHYLENE	1100	U	
ANILINE	1100	U	

nsample	SD-12-031805
samp_date	3/18/2005
lab_id	503094-009
qc_type	NM
units	UG/KG
Pct_Solids	30.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANTHRACENE	1100	U	
BENZIDINE	1100	U	
BENZO(A)ANTHRACENE	1100	J	P
BENZO(A)PYRENE	1100	J	P
BENZO(B)FLUORANTHENE	1600		
BENZO(G,H,I)PERYLENE	760	J	P
BENZO(K)FLUORANTHENE	530	J	P
BENZOIC ACID	2200	U	
BENZYL ALCOHOL	1100	U	
BIS(2-CHLOROETHOXY)METHANE	1100	U	
BIS(2-CHLOROETHYL)ETHER	1100	U	
BIS(2-ETHYLHEXYL)PHTHALATE	430	J	CP
BUTYL BENZYL PHTHALATE	160	J	P
CARBAZOLE	1100	U	
CHRYSENE	1200		
DIBENZO(A,H)ANTHRACENE	1100	U	
DIBENZOFURAN	1100	U	
DIETHYL PHTHALATE	1100	U	
DIMETHYL PHTHALATE	1100	U	
DI-N-BUTYL PHTHALATE	1100	U	
DI-N-OCTYL PHTHALATE	1100	U	
FLUORANTHENE	2000		
FLUORENE	1100	U	
HEXACHLOROBENZENE	1100	U	
HEXACHLOROBUTADIENE	1100	U	
HEXACHLOROCYCLOPENTADIENE	1100	U	
HEXACHLOROETHANE	1100	U	
INDENO(1,2,3-CD)PYRENE	660	J	P
ISOPHORONE	1100	U	
NAPHTHALENE	1100	U	
NITROBENZENE	1100	U	
N-NITROSODIMETHYLAMINE	1100	U	

nsample	SD-12-031805
samp_date	3/18/2005
lab_id	503094-009
qc_type	NM
units	UG/KG
Pct_Solids	30.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
N-NITROSO-DI-N-PROPYLAMINE	1100	U	
N-NITROSODIPHENYLAMINE	1100	U	
PENTACHLOROPHENOL	2200	U	
PHENANTHRENE	550	J	P
PHENOL	1100	U	
PYRENE	1900		
PYRIDINE	1100	U	

PROJ_NO: 00076

SDG: 503094 MEDIA: SOIL DATA FRACTION: OS

nsample	SD-2-031805
samp_date	3/18/2005
lab_id	503094-004
qc_type	NM
units	UG/KG
Pct_Solids	41.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	800	U	
1,2-DICHLOROBENZENE	800	U	
1,2-DIPHENYLHYDRAZINE	800	U	
1,3-DICHLOROBENZENE	800	U	
1,4-DICHLOROBENZENE	800	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	800	U	
2,4,5-TRICHLOROPHENOL	800	U	
2,4,6-TRICHLOROPHENOL	800	U	
2,4-DICHLOROPHENOL	800	U	
2,4-DIMETHYLPHENOL	800	U	
2,4-DINITROPHENOL	1600	U	
2,4-DINITROTOLUENE	800	U	
2,6-DINITROTOLUENE	800	U	
2-CHLORONAPHTHALENE	800	U	
2-CHLOROPHENOL	800	U	
2-METHYLNAPHTHALENE	800	U	
2-METHYLPHENOL	800	U	
2-NITROANILINE	800	U	
2-NITROPHENOL	800	U	
3,3'-DICHLOROBENZIDINE	1600	U	
3-NITROANILINE	800	U	
4,6-DINITRO-2-METHYLPHENOL	1600	U	
4-BROMOPHENYL PHENYL ETHER	800	U	
4-CHLORO-3-METHYLPHENOL	800	U	
4-CHLOROANILINE	800	U	
4-CHLOROPHENYL PHENYL ETHER	800	U	
4-METHYLPHENOL	800	U	
4-NITROANILINE	800	U	
4-NITROPHENOL	1600	U	
ACENAPHTHENE	800	U	
ACENAPHTHYLENE	800	U	
ANILINE	800	U	

nsample	SD-2-031805
samp_date	3/18/2005
lab_id	503094-004
qc_type	NM
units	UG/KG
Pct_Solids	41.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANTHRACENE	800	U	
BENZIDINE	800	U	
BENZO(A)ANTHRACENE	140	J	P
BENZO(A)PYRENE	140	J	P
BENZO(B)FLUORANTHENE	180	J	P
BENZO(G,H,I)PERYLENE	800	U	
BENZO(K)FLUORANTHENE	800	U	
BENZOIC ACID	1600	U	
BENZYL ALCOHOL	800	U	
BIS(2-CHLOROETHOXY)METHANE	800	U	
BIS(2-CHLOROETHYL)ETHER	800	U	
BIS(2-ETHYLHEXYL)PHTHALATE	290	J	CP
BUTYL BENZYL PHTHALATE	800	U	
CARBAZOLE	800	U	
CHRYSENE	190	J	P
DIBENZO(A,H)ANTHRACENE	800	U	
DIBENZOFURAN	800	U	
DIETHYL PHTHALATE	800	U	
DIMETHYL PHTHALATE	800	U	
DI-N-BUTYL PHTHALATE	800	U	
DI-N-OCTYL PHTHALATE	800	U	
FLUORANTHENE	310	J	P
FLUORENE	800	U	
HEXACHLOROBENZENE	800	U	
HEXACHLOROBUTADIENE	800	U	
HEXACHLOROCYCLOPENTADIENE	800	U	
HEXACHLOROETHANE	800	U	
INDENO(1,2,3-CD)PYRENE	800	U	
ISOPHORONE	800	U	
NAPHTHALENE	800	U	
NITROBENZENE	800	U	
N-NITROSODIMETHYLAMINE	800	U	

nsample	SD-2-031805
samp_date	3/18/2005
lab_id	503094-004
qc_type	NM
units	UG/KG
Pct_Solids	41.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
N-NITROSO-DI-N-PROPYLAMINE	800	U	
N-NITROSODIPHENYLAMINE	800	U	
PENTACHLOROPHENOL	1600	U	
PHENANTHRENE	100	J	P
PHENOL	800	U	
PYRENE	270	J	P
PYRIDINE	800	U	

PROJ_NO: 00076

SDG: 503094 MEDIA: SOIL DATA FRACTION: OS

nsample	SD-5-031805
samp_date	3/18/2005
lab_id	503094-006
qc_type	NM
units	UG/KG
Pct_Solids	49.1
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	680	U	
1,2-DICHLOROBENZENE	680	U	
1,2-DIPHENYLHYDRAZINE	680	U	
1,3-DICHLOROBENZENE	680	U	
1,4-DICHLOROBENZENE	680	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	680	U	
2,4,5-TRICHLOROPHENOL	680	U	
2,4,6-TRICHLOROPHENOL	680	U	
2,4-DICHLOROPHENOL	680	U	
2,4-DIMETHYLPHENOL	680	U	
2,4-DINITROPHENOL	1400	U	
2,4-DINITROTOLUENE	680	U	
2,6-DINITROTOLUENE	680	U	
2-CHLORONAPHTHALENE	680	U	
2-CHLOROPHENOL	680	U	
2-METHYLNAPHTHALENE	680	U	
2-METHYLPHENOL	680	U	
2-NITROANILINE	680	U	
2-NITROPHENOL	680	U	
3,3'-DICHLOROBENZIDINE	1400	U	
3-NITROANILINE	680	U	
4,6-DINITRO-2-METHYLPHENOL	1400	U	
4-BROMOPHENYL PHENYL ETHER	680	U	
4-CHLORO-3-METHYLPHENOL	680	U	
4-CHLOROANILINE	680	U	
4-CHLOROPHENYL PHENYL ETHER	680	U	
4-METHYLPHENOL	680	U	
4-NITROANILINE	680	U	
4-NITROPHENOL	1400	U	
ACENAPHTHENE	680	U	
ACENAPHTHYLENE	680	U	
ANILINE	680	U	

nsample	SD-5-031805
samp_date	3/18/2005
lab_id	503094-006
qc_type	NM
units	UG/KG
Pct_Solids	49.1
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANTHRACENE	290	J	P
BENZIDINE	680	U	
BENZO(A)ANTHRACENE	1200		
BENZO(A)PYRENE	1000		
BENZO(B)FLUORANTHENE	1500		
BENZO(G,H,I)PERYLENE	670	J	P
BENZO(K)FLUORANTHENE	550	J	P
BENZOIC ACID	1400	U	
BENZYL ALCOHOL	680	U	
BIS(2-CHLOROETHOXY)METHANE	680	U	
BIS(2-CHLOROETHYL)ETHER	680	U	
BIS(2-ETHYLHEXYL)PHTHALATE	1500	J	C
BUTYL BENZYL PHTHALATE	680	U	
CARBAZOLE	190	J	P
CHRYSENE	1300		
DIBENZO(A,H)ANTHRACENE	680	U	
DIBENZOFURAN	680	U	
DIETHYL PHTHALATE	680	U	
DIMETHYL PHTHALATE	680	U	
DI-N-BUTYL PHTHALATE	680	U	
DI-N-OCTYL PHTHALATE	680	U	
FLUORANTHENE	2300		
FLUORENE	680	U	
HEXACHLOROBENZENE	680	U	
HEXACHLOROBUTADIENE	680	U	
HEXACHLOROCYCLOPENTADIENE	680	U	
HEXACHLOROETHANE	680	U	
INDENO(1,2,3-CD)PYRENE	610	J	P
ISOPHORONE	680	U	
NAPHTHALENE	680	U	
NITROBENZENE	680	U	
N-NITROSODIMETHYLAMINE	680	U	

nsample	SD-5-031805
samp_date	3/18/2005
lab_id	503094-006
qc_type	NM
units	UG/KG
Pct_Solids	49.1
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
N-NITROSO-DI-N-PROPYLAMINE	680	U	
N-NITROSODIPHENYLAMINE	680	U	
PENTACHLOROPHENOL	1400	U	
PHENANTHRENE	1300		
PHENOL	680	U	
PYRENE	2200		
PYRIDINE	680	U	

PROJ_NO: 00076

SDG: 503094 MEDIA: SOIL DATA FRACTION: OS

nsample	SD-6-031805
samp_date	3/18/2005
lab_id	503094-005
qc_type	NM
units	UG/KG
Pct_Solids	42.5
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	790	U	
1,2-DICHLOROBENZENE	790	U	
1,2-DIPHENYLHYDRAZINE	790	U	
1,3-DICHLOROBENZENE	790	U	
1,4-DICHLOROBENZENE	790	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	790	U	
2,4,5-TRICHLOROPHENOL	790	U	
2,4,6-TRICHLOROPHENOL	790	U	
2,4-DICHLOROPHENOL	790	U	
2,4-DIMETHYLPHENOL	790	U	
2,4-DINITROPHENOL	1600	U	
2,4-DINITROTOLUENE	790	U	
2,6-DINITROTOLUENE	790	U	
2-CHLORONAPHTHALENE	790	U	
2-CHLOROPHENOL	790	U	
2-METHYLNAPHTHALENE	790	U	
2-METHYLPHENOL	790	U	
2-NITROANILINE	790	U	
2-NITROPHENOL	790	U	
3,3'-DICHLOROBENZIDINE	1600	U	
3-NITROANILINE	790	U	
4,6-DINITRO-2-METHYLPHENOL	1600	U	
4-BROMOPHENYL PHENYL ETHER	790	U	
4-CHLORO-3-METHYLPHENOL	790	U	
4-CHLOROANILINE	790	U	
4-CHLOROPHENYL PHENYL ETHER	790	U	
4-METHYLPHENOL	790	U	
4-NITROANILINE	790	U	
4-NITROPHENOL	1600	U	
ACENAPHTHENE	790	U	
ACENAPHTHYLENE	790	U	
ANILINE	790	U	

nsample	SD-6-031805
samp_date	3/18/2005
lab_id	503094-005
qc_type	NM
units	UG/KG
Pct_Solids	42.5
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANTHRACENE	790	U	
BENZIDINE	790	U	
BENZO(A)ANTHRACENE	440	J	P
BENZO(A)PYRENE	450	J	P
BENZO(B)FLUORANTHENE	490	J	P
BENZO(G,H,I)PERYLENE	370	J	P
BENZO(K)FLUORANTHENE	270	J	P
BENZOIC ACID	1600	U	
BENZYL ALCOHOL	790	U	
BIS(2-CHLOROETHOXY)METHANE	790	U	
BIS(2-CHLOROETHYL)ETHER	790	U	
BIS(2-ETHYLHEXYL)PHTHALATE	1200	J	C
BUTYL BENZYL PHTHALATE	790	U	
CARBAZOLE	790	U	
CHRYSENE	410	J	P
DIBENZO(A,H)ANTHRACENE	790	U	
DIBENZOFURAN	790	U	
DIETHYL PHTHALATE	790	U	
DIMETHYL PHTHALATE	790	U	
DI-N-BUTYL PHTHALATE	790	U	
DI-N-OCTYL PHTHALATE	790	U	
FLUORANTHENE	740	J	P
FLUORENE	790	U	
HEXACHLOROBENZENE	790	U	
HEXACHLOROBUTADIENE	790	U	
HEXACHLOROCYCLOPENTADIENE	790	U	
HEXACHLOROETHANE	790	U	
INDENO(1,2,3-CD)PYRENE	290	J	P
ISOPHORONE	790	U	
NAPHTHALENE	790	U	
NITROBENZENE	790	U	
N-NITROSODIMETHYLAMINE	790	U	

nsample	SD-6-031805
samp_date	3/18/2005
lab_id	503094-005
qc_type	NM
units	UG/KG
Pct_Solids	42.5
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
N-NITROSO-DI-N-PROPYLAMINE	790	U	
N-NITROSODIPHENYLAMINE	790	U	
PENTACHLOROPHENOL	1600	U	
PHENANTHRENE	330	J	P
PHENOL	790	U	
PYRENE	870		
PYRIDINE	790	U	

PROJ_NO: 00076

SDG: 503094 MEDIA: SOIL DATA FRACTION: OS

nsample	SD-7-031805	nsample	SD-7-031805	nsample	SD-7-031805
samp_date	3/18/2005	samp_date	3/18/2005	samp_date	3/18/2005
lab_id	503094-001	lab_id	503094-001	lab_id	503094-001
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	48.7	Pct_Solids	48.7	Pct_Solids	48.7
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	680	U	
1,2-DICHLOROBENZENE	680	U	
1,2-DIPHENYLHYDRAZINE	680	U	
1,3-DICHLOROBENZENE	680	U	
1,4-DICHLOROBENZENE	680	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	680	U	
2,4,5-TRICHLOROPHENOL	680	U	
2,4,6-TRICHLOROPHENOL	680	U	
2,4-DICHLOROPHENOL	680	U	
2,4-DIMETHYLPHENOL	680	U	
2,4-DINITROPHENOL	1400	U	
2,4-DINITROTOLUENE	680	U	
2,6-DINITROTOLUENE	680	U	
2-CHLORONAPHTHALENE	680	U	
2-CHLOROPHENOL	680	U	
2-METHYLNAPHTHALENE	680	U	
2-METHYLPHENOL	680	U	
2-NITROANILINE	680	U	
2-NITROPHENOL	680	U	
3,3'-DICHLOROBENZIDINE	1400	U	
3-NITROANILINE	680	U	
4,6-DINITRO-2-METHYLPHENOL	1400	U	
4-BROMOPHENYL PHENYL ETHER	680	U	
4-CHLORO-3-METHYLPHENOL	680	U	
4-CHLOROANILINE	680	U	
4-CHLOROPHENYL PHENYL ETHER	680	U	
4-METHYLPHENOL	680	U	
4-NITROANILINE	680	U	
4-NITROPHENOL	1400	U	
ACENAPHTHENE	680	U	
ACENAPHTHYLENE	680	U	
ANILINE	680	U	

Parameter	Result	Val Qual	Qual Code
ANTHRACENE	680	U	
BENZIDINE	680	U	
BENZO(A)ANTHRACENE	140	J	P
BENZO(A)PYRENE	150	J	P
BENZO(B)FLUORANTHENE	200	J	P
BENZO(G,H,I)PERYLENE	110	J	P
BENZO(K)FLUORANTHENE	680	U	
BENZOIC ACID	1400	U	
BENZYL ALCOHOL	680	U	
BIS(2-CHLOROETHOXY)METHANE	680	U	
BIS(2-CHLOROETHYL)ETHER	680	U	
BIS(2-ETHYLHEXYL)PHTHALATE	430	J	CP
BUTYL BENZYL PHTHALATE	680	U	
CARBAZOLE	680	U	
CHRYSENE	140	J	P
DIBENZO(A,H)ANTHRACENE	680	U	
DIBENZOFURAN	680	U	
DIETHYL PHTHALATE	680	U	
DIMETHYL PHTHALATE	680	U	
DI-N-BUTYL PHTHALATE	680	U	
DI-N-OCTYL PHTHALATE	680	U	
FLUORANTHENE	250	J	P
FLUORENE	680	U	
HEXACHLOROBENZENE	680	U	
HEXACHLOROBUTADIENE	680	U	
HEXACHLOROCYCLOPENTADIENE	680	U	
HEXACHLOROETHANE	680	U	
INDENO(1,2,3-CD)PYRENE	95	J	P
ISOPHORONE	680	U	
NAPHTHALENE	680	U	
NITROBENZENE	680	U	
N-NITROSODIMETHYLAMINE	680	U	

Parameter	Result	Val Qual	Qual Code
N-NITROSO-DI-N-PROPYLAMINE	680	U	
N-NITROSODIPHENYLAMINE	680	U	
PENTACHLOROPHENOL	1400	U	
PHENANTHRENE	130	J	P
PHENOL	680	U	
PYRENE	270	J	P
PYRIDINE	680	U	

PROJ_NO: 00076

SDG: 503094 MEDIA: SOIL DATA FRACTION: OS

nsample	SD-8-031805
samp_date	3/18/2005
lab_id	503094-002
qc_type	NM
units	UG/KG
Pct_Solids	49.5
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	670	U	
1,2-DICHLOROBENZENE	670	U	
1,2-DIPHENYLHYDRAZINE	670	U	
1,3-DICHLOROBENZENE	670	U	
1,4-DICHLOROBENZENE	670	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	670	U	
2,4,5-TRICHLOROPHENOL	670	U	
2,4,6-TRICHLOROPHENOL	670	U	
2,4-DICHLOROPHENOL	670	U	
2,4-DIMETHYLPHENOL	670	U	
2,4-DINITROPHENOL	1300	U	
2,4-DINITROTOLUENE	670	U	
2,6-DINITROTOLUENE	670	U	
2-CHLORONAPHTHALENE	670	U	
2-CHLOROPHENOL	670	U	
2-METHYLNAPHTHALENE	670	U	
2-METHYLPHENOL	670	U	
2-NITROANILINE	670	U	
2-NITROPHENOL	670	U	
3,3'-DICHLOROBENZIDINE	1300	U	
3-NITROANILINE	670	U	
4,6-DINITRO-2-METHYLPHENOL	1300	U	
4-BROMOPHENYL PHENYL ETHER	670	U	
4-CHLORO-3-METHYLPHENOL	670	U	
4-CHLOROANILINE	670	U	
4-CHLOROPHENYL PHENYL ETHER	670	U	
4-METHYLPHENOL	670	U	
4-NITROANILINE	670	U	
4-NITROPHENOL	1300	U	
ACENAPHTHENE	670	U	
ACENAPHTHYLENE	63	J	P
ANILINE	670	U	

nsample	SD-8-031805
samp_date	3/18/2005
lab_id	503094-002
qc_type	NM
units	UG/KG
Pct_Solids	49.5
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANTHRACENE	120	J	P
BENZIDINE	670	U	
BENZO(A)ANTHRACENE	580	J	P
BENZO(A)PYRENE	500	J	P
BENZO(B)FLUORANTHENE	800		
BENZO(G,H,I)PERYLENE	310	J	P
BENZO(K)FLUORANTHENE	290	J	P
BENZOIC ACID	1300	U	
BENZYL ALCOHOL	670	U	
BIS(2-CHLOROETHOXY)METHANE	670	U	
BIS(2-CHLOROETHYL)ETHER	670	U	
BIS(2-ETHYLHEXYL)PHTHALATE	180	J	CP
BUTYL BENZYL PHTHALATE	670	U	
CARBAZOLE	670	U	
CHRYSENE	710		
DIBENZO(A,H)ANTHRACENE	670	U	
DIBENZOFURAN	670	U	
DIETHYL PHTHALATE	670	U	
DIMETHYL PHTHALATE	670	U	
DI-N-BUTYL PHTHALATE	670	U	
DI-N-OCTYL PHTHALATE	670	U	
FLUORANTHENE	1500		
FLUORENE	670	U	
HEXACHLOROBENZENE	670	U	
HEXACHLOROBUTADIENE	670	U	
HEXACHLOROCYCLOPENTADIENE	670	U	
HEXACHLOROETHANE	670	U	
INDENO(1,2,3-CD)PYRENE	280	J	P
ISOPHORONE	670	U	
NAPHTHALENE	670	U	
NITROBENZENE	670	U	
N-NITROSODIMETHYLAMINE	670	U	

nsample	SD-8-031805
samp_date	3/18/2005
lab_id	503094-002
qc_type	NM
units	UG/KG
Pct_Solids	49.5
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
N-NITROSO-DI-N-PROPYLAMINE	670	U	
N-NITROSODIPHENYLAMINE	670	U	
PENTACHLOROPHENOL	1300	U	
PHENANTHRENE	410	J	P
PHENOL	670	U	
PYRENE	1100		
PYRIDINE	670	U	

PROJ_NO: 00076

SDG: 503094 MEDIA: SOIL DATA FRACTION: OS

nsample	SD-9-031805
samp_date	3/18/2005
lab_id	503094-003
qc_type	NM
units	UG/KG
Pct_Solids	31.6
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	1100	U	
1,2-DICHLOROBENZENE	1100	U	
1,2-DIPHENYLHYDRAZINE	1100	U	
1,3-DICHLOROBENZENE	1100	U	
1,4-DICHLOROBENZENE	1100	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	1100	U	
2,4,5-TRICHLOROPHENOL	1100	U	
2,4,6-TRICHLOROPHENOL	1100	U	
2,4-DICHLOROPHENOL	1100	U	
2,4-DIMETHYLPHENOL	1100	U	
2,4-DINITROPHENOL	2100	U	
2,4-DINITROTOLUENE	1100	U	
2,6-DINITROTOLUENE	1100	U	
2-CHLORONAPHTHALENE	1100	U	
2-CHLOROPHENOL	1100	U	
2-METHYLNAPHTHALENE	1100	U	
2-METHYLPHENOL	1100	U	
2-NITROANILINE	1100	U	
2-NITROPHENOL	1100	U	
3,3'-DICHLOROBENZIDINE	2100	U	
3-NITROANILINE	1100	U	
4,6-DINITRO-2-METHYLPHENOL	2100	U	
4-BROMOPHENYL PHENYL ETHER	1100	U	
4-CHLORO-3-METHYLPHENOL	1100	U	
4-CHLOROANILINE	1100	U	
4-CHLOROPHENYL PHENYL ETHER	1100	U	
4-METHYLPHENOL	1100	U	
4-NITROANILINE	1100	U	
4-NITROPHENOL	2100	U	
ACENAPHTHENE	1100	U	
ACENAPHTHYLENE	1100	U	
ANILINE	1100	U	

nsample	SD-9-031805
samp_date	3/18/2005
lab_id	503094-003
qc_type	NM
units	UG/KG
Pct_Solids	31.6
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANTHRACENE	180	J	P
BENZIDINE	1100	U	
BENZO(A)ANTHRACENE	790	J	P
BENZO(A)PYRENE	810	J	P
BENZO(B)FLUORANTHENE	1600		
BENZO(G,H,I)PERYLENE	670	J	P
BENZO(K)FLUORANTHENE	400	J	P
BENZOIC ACID	2100	U	
BENZYL ALCOHOL	1100	U	
BIS(2-CHLOROETHOXY)METHANE	1100	U	
BIS(2-CHLOROETHYL)ETHER	1100	U	
BIS(2-ETHYLHEXYL)PHTHALATE	310	J	CP
BUTYL BENZYL PHTHALATE	1100	U	
CARBAZOLE	1100	U	
CHRYSENE	1100		
DIBENZO(A,H)ANTHRACENE	160	J	P
DIBENZOFURAN	1100	U	
DIETHYL PHTHALATE	1100	U	
DIMETHYL PHTHALATE	1100	U	
DI-N-BUTYL PHTHALATE	1100	U	
DI-N-OCTYL PHTHALATE	1100	U	
FLUORANTHENE	2300		
FLUORENE	1100	U	
HEXACHLOROBENZENE	1100	U	
HEXACHLOROBUTADIENE	1100	U	
HEXACHLOROCYCLOPENTADIENE	1100	U	
HEXACHLOROETHANE	1100	U	
INDENO(1,2,3-CD)PYRENE	560	J	P
ISOPHORONE	1100	U	
NAPHTHALENE	1100	U	
NITROBENZENE	1100	U	
N-NITROSODIMETHYLAMINE	1100	U	

nsample	SD-9-031805
samp_date	3/18/2005
lab_id	503094-003
qc_type	NM
units	UG/KG
Pct_Solids	31.6
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
N-NITROSO-DI-N-PROPYLAMINE	1100	U	
N-NITROSODIPHENYLAMINE	1100	U	
PENTACHLOROPHENOL	2100	U	
PHENANTHRENE	810	J	P
PHENOL	1100	U	
PYRENE	1700		
PYRIDINE	1100	U	

PROJ_NO: 00076

SDG: 503094 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	SD-10-031805	nsample	SD-11-031805	nsample	SD-12-031805
samp_date	3/18/2005	samp_date	3/18/2005	samp_date	3/18/2005
lab_id	503094-007DL	lab_id	503094-008DL	lab_id	503094-009DL
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	34.6	Pct_Solids	55.9	Pct_Solids	30.2
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	190	U	
AROCLOR-1221	190	U	
AROCLOR-1232	190	U	
AROCLOR-1242	190	U	
AROCLOR-1248	190	U	
AROCLOR-1254	190	U	
AROCLOR-1260	1300		

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	300	U	
AROCLOR-1221	300	U	
AROCLOR-1232	300	U	
AROCLOR-1242	300	U	
AROCLOR-1248	300	U	
AROCLOR-1254	300	U	
AROCLOR-1260	1400		

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	220	U	
AROCLOR-1221	220	U	
AROCLOR-1232	220	U	
AROCLOR-1242	220	U	
AROCLOR-1248	220	U	
AROCLOR-1254	220	U	
AROCLOR-1260	1800		

PROJ_NO: 00076

SDG: 503094 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	SD-2-031805
samp_date	3/18/2005
lab_id	503094-004
qc_type	NM
units	UG/KG
Pct_Solids	41.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	80	U	
AROCLOR-1221	80	U	
AROCLOR-1232	80	U	
AROCLOR-1242	80	U	
AROCLOR-1248	80	U	
AROCLOR-1254	80	U	
AROCLOR-1260	160		

nsample	SD-5-031805
samp_date	3/18/2005
lab_id	503094-006
qc_type	NM
units	UG/KG
Pct_Solids	49.1
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	68	U	
AROCLOR-1221	68	U	
AROCLOR-1232	68	U	
AROCLOR-1242	68	U	
AROCLOR-1248	68	U	
AROCLOR-1254	68	U	
AROCLOR-1260	420	J	R

nsample	SD-6-031805
samp_date	3/18/2005
lab_id	503094-005
qc_type	NM
units	UG/KG
Pct_Solids	42.5
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	79	U	
AROCLOR-1221	79	U	
AROCLOR-1232	79	U	
AROCLOR-1242	79	U	
AROCLOR-1248	79	U	
AROCLOR-1254	79	U	
AROCLOR-1260	540	J	D

PROJ_NO: 00076

SDG: 503094 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	SD-7-031805	nsample	SD-8-031805	nsample	SD-9-031805
samp_date	3/18/2005	samp_date	3/18/2005	samp_date	3/18/2005
lab_id	503094-001	lab_id	503094-002	lab_id	503094-003DL
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	48.7	Pct_Solids	49.5	Pct_Solids	31.6
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	68	U	
AROCLOR-1221	68	U	
AROCLOR-1232	68	U	
AROCLOR-1242	68	U	
AROCLOR-1248	68	U	
AROCLOR-1254	68	U	
AROCLOR-1260	110		

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	67	U	
AROCLOR-1221	67	U	
AROCLOR-1232	67	U	
AROCLOR-1242	67	U	
AROCLOR-1248	67	U	
AROCLOR-1254	67	U	
AROCLOR-1260	370		

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	11000	U	
AROCLOR-1221	11000	U	
AROCLOR-1232	11000	U	
AROCLOR-1242	11000	U	
AROCLOR-1248	11000	U	
AROCLOR-1254	11000	U	
AROCLOR-1260	54000		

Appendix B

Results as Reported by the Laboratory

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
TB-031805

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	503094
Case No. :		SDG NO :	503094
Matrix : (Soil / Water)	WATER	Lab Sample ID :	503094-010-028-1/1
Sample Volume :	5	Lab File ID :	S006433.D
Level :	Low	Date Received	03/18/2005
% Moisture: not dec		Date Analyzed	03/25/2005
GC Column :	RTX_502.2 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
71-55-6	1,1,1-Trichloroethane	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
78-93-3	2-Butanone	10	U
591-78-6	2-Hexanone	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
67-64-1	Acetone	14	
71-43-2	Benzene	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	10	U
75-15-0	Carbon Disulfide	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	10	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	10	U
110-82-7	Cyclohexane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
TB-031805

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	503094
Case No. :		SDG NO :	503094
Matrix : (Soil / Water)	WATER	Lab Sample ID :	503094-010-028-1/1
Sample Volume :	5	Lab File ID :	S006433.D
Level :	Low	Date Received	03/18/2005
% Moisture: not dec		Date Analyzed	03/25/2005
GC Column :	RTX_502.2 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
100-41-4	Ethylbenzene	5.0	U
106-93-4	Ethylene Dibromide	5.0	U
76-13-1	Freon 113	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl Acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene Chloride	10	U
100-42-5	Styrene	5.0	U
127-18-4	Tetrachloroethylene	5.0	U
108-88-3	Toluene	5.0	U
79-01-6	Trichloroethene	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-01-4	Vinyl Chloride	10	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
136777-61-2	m,p-Xylenes	5.0	U
95-47-6	o-Xylene	5.0	U
1634-04-4	tert-butyl methyl ether	5.0	U
156-60-5	trans-1,2-dichloroethene	5.0	U
10061-02-6	trans-1,3-dichloropropene	5.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SD-10-031805

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	503094
Case No. :		SDG NO :	503094
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	503094-007-006-1/1
Sample Volume :	5	Lab File ID :	S006508.D
Level :	Low	Date Received	03/18/2005
% Moisture: not dec	65.4	Date Analyzed	03/29/2005
GC Column :	RTX_502.2 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
71-55-6	1,1,1-Trichloroethane	14	U
79-34-5	1,1,2,2-Tetrachloroethane	14	U
79-00-5	1,1,2-Trichloroethane	14	U
75-34-3	1,1-Dichloroethane	14	U
75-35-4	1,1-Dichloroethene	14	U
120-82-1	1,2,4-Trichlorobenzene	14	U
96-12-8	1,2-Dibromo-3-Chloropropane	14	U
95-50-1	1,2-Dichlorobenzene	14	U
107-06-2	1,2-Dichloroethane	14	U
78-87-5	1,2-Dichloropropane	14	U
541-73-1	1,3-Dichlorobenzene	14	U
106-46-7	1,4-Dichlorobenzene	14	U
78-93-3	2-Butanone	29	U
591-78-6	2-Hexanone	29	U
108-10-1	4-Methyl-2-Pentanone	29	U
67-64-1	Acetone	28	J
71-43-2	Benzene	14	U
75-27-4	Bromodichloromethane	14	U
75-25-2	Bromoform	14	U
74-83-9	Bromomethane	29	U
75-15-0	Carbon Disulfide	14	U
56-23-5	Carbon Tetrachloride	14	U
108-90-7	Chlorobenzene	14	U
75-00-3	Chloroethane	29	U
67-66-3	Chloroform	14	U
74-87-3	Chloromethane	29	U
110-82-7	Cyclohexane	14	U
124-48-1	Dibromochloromethane	14	U
75-71-8	Dichlorodifluoromethane	14	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SD-10-031805

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	503094
Case No. :		SDG NO :	503094
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	503094-007-006-1/1
Sample Volume :	5	Lab File ID :	S006508.D
Level :	Low	Date Received	03/18/2005
% Moisture: not dec	65.4	Date Analyzed	03/29/2005
GC Column :	RTX_502.2 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
100-41-4	Ethylbenzene	14	U
106-93-4	Ethylene Dibromide	14	U
76-13-1	Freon 113	14	U
98-82-8	Isopropylbenzene	14	U
79-20-9	Methyl Acetate	14	U
108-87-2	Methylcyclohexane	14	U
75-09-2	Methylene Chloride	29	U
100-42-5	Styrene	14	U
127-18-4	Tetrachloroethylene	14	U
108-88-3	Toluene	14	U
79-01-6	Trichloroethene	14	U
75-69-4	Trichlorofluoromethane	14	U
75-01-4	Vinyl Chloride	29	U
156-59-2	cis-1,2-Dichloroethene	14	U
10061-01-5	cis-1,3-Dichloropropene	14	U
136777-61-2	m,p-Xylenes	14	U
95-47-6	o-Xylene	14	U
1634-04-4	tert-butyl methyl ether	14	U
156-60-5	trans-1,2-dichloroethene	14	U
10061-02-6	trans-1,3-dichloropropene	14	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SD-11-031805

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	503094
Case No. :		SDG NO :	503094
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	503094-008-007-1/1
Sample Volume :	5	Lab File ID :	S006509.D
Level :	Low	Date Received	03/18/2005
% Moisture: not dec	44.1	Date Analyzed	03/29/2005
GC Column :	RTX_502.2 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
71-55-6	1,1,1-Trichloroethane	8.9	U
79-34-5	1,1,2,2-Tetrachloroethane	8.9	U
79-00-5	1,1,2-Trichloroethane	8.9	U
75-34-3	1,1-Dichloroethane	8.9	U
75-35-4	1,1-Dichloroethene	8.9	U
120-82-1	1,2,4-Trichlorobenzene	8.9	U
96-12-8	1,2-Dibromo-3-Chloropropane	8.9	U
95-50-1	1,2-Dichlorobenzene	8.9	U
107-06-2	1,2-Dichloroethane	8.9	U
78-87-5	1,2-Dichloropropane	8.9	U
541-73-1	1,3-Dichlorobenzene	8.9	U
106-46-7	1,4-Dichlorobenzene	8.9	U
78-93-3	2-Butanone	18	U
591-78-6	2-Hexanone	18	U
108-10-1	4-Methyl-2-Pentanone	18	U
67-64-1	Acetone	18	U
71-43-2	Benzene	8.9	U
75-27-4	Bromodichloromethane	8.9	U
75-25-2	Bromoform	8.9	U
74-83-9	Bromomethane	18	U
75-15-0	Carbon Disulfide	8.9	U
56-23-5	Carbon Tetrachloride	8.9	U
108-90-7	Chlorobenzene	8.9	U
75-00-3	Chloroethane	18	U
67-66-3	Chloroform	8.9	U
74-87-3	Chloromethane	18	U
110-82-7	Cyclohexane	8.9	U
124-48-1	Dibromochloromethane	8.9	U
75-71-8	Dichlorodifluoromethane	8.9	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SD-11-031805

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	503094
Case No. :		SDG NO :	503094
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	503094-008-007-1/1
Sample Volume :	5	Lab File ID :	S006509.D
Level :	Low	Date Received	03/18/2005
% Moisture: not dec	44.1	Date Analyzed	03/29/2005
GC Column :	RTX_502.2 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
100-41-4	Ethylbenzene	8.9	U
106-93-4	Ethylene Dibromide	8.9	U
76-13-1	Freon 113	8.9	U
98-82-8	Isopropylbenzene	8.9	U
79-20-9	Methyl Acetate	8.9	U
108-87-2	Methylcyclohexane	8.9	U
75-09-2	Methylene Chloride	18	U
100-42-5	Styrene	8.9	U
127-18-4	Tetrachloroethylene	8.9	U
108-88-3	Toluene	8.9	U
79-01-6	Trichloroethene	8.9	U
75-69-4	Trichlorofluoromethane	8.9	U
75-01-4	Vinyl Chloride	18	U
156-59-2	cis-1,2-Dichloroethene	8.9	U
10061-01-5	cis-1,3-Dichloropropene	8.9	U
136777-61-2	m,p-Xylenes	8.9	U
95-47-6	o-Xylene	8.9	U
1634-04-4	tert-butyl methyl ether	8.9	U
156-60-5	trans-1,2-dichloroethene	8.9	U
10061-02-6	trans-1,3-dichloropropene	8.9	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SD-12-031805

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	503094
Case No. :		SDG NO :	503094
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	503094-009-008-1/1
Sample Volume :	5	Lab File ID :	S006510.D
Level :	Low	Date Received	03/18/2005
% Moisture: not dec	69.81	Date Analyzed	03/29/2005
GC Column :	RTX_502.2 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
71-55-6	1,1,1-Trichloroethane	17	U
79-34-5	1,1,2,2-Tetrachloroethane	17	U
79-00-5	1,1,2-Trichloroethane	17	U
75-34-3	1,1-Dichloroethane	17	U
75-35-4	1,1-Dichloroethene	17	U
120-82-1	1,2,4-Trichlorobenzene	17	U
96-12-8	1,2-Dibromo-3-Chloropropane	17	U
95-50-1	1,2-Dichlorobenzene	17	U
107-06-2	1,2-Dichloroethane	17	U
78-87-5	1,2-Dichloropropane	17	U
541-73-1	1,3-Dichlorobenzene	17	U
106-46-7	1,4-Dichlorobenzene	17	U
78-93-3	2-Butanone	33	U
591-78-6	2-Hexanone	33	U
108-10-1	4-Methyl-2-Pentanone	33	U
67-64-1	Acetone	110	
71-43-2	Benzene	17	U
75-27-4	Bromodichloromethane	17	U
75-25-2	Bromoform	17	U
74-83-9	Bromomethane	33	U
75-15-0	Carbon Disulfide	17	U
56-23-5	Carbon Tetrachloride	17	U
108-90-7	Chlorobenzene	17	U
75-00-3	Chloroethane	33	U
67-66-3	Chloroform	17	U
74-87-3	Chloromethane	33	U
110-82-7	Cyclohexane	17	U
124-48-1	Dibromochloromethane	17	U
75-71-8	Dichlorodifluoromethane	17	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SD-12-031805

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	503094
Case No. :		SDG NO :	503094
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	503094-009-008-1/1
Sample Volume :	5	Lab File ID :	S006510.D
Level :	Low	Date Received	03/18/2005
% Moisture: not dec	69.81	Date Analyzed	03/29/2005
GC Column :	RTX_502.2 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
100-41-4	Ethylbenzene	17	U
106-93-4	Ethylene Dibromide	17	U
76-13-1	Freon 113	17	U
98-82-8	Isopropylbenzene	17	U
79-20-9	Methyl Acetate	17	U
108-87-2	Methylcyclohexane	17	U
75-09-2	Methylene Chloride	33	U
100-42-5	Styrene	17	U
127-18-4	Tetrachloroethylene	17	U
108-88-3	Toluene	17	U
79-01-6	Trichloroethene	17	U
75-69-4	Trichlorofluoromethane	17	U
75-01-4	Vinyl Chloride	33	U
156-59-2	cis-1,2-Dichloroethene	17	U
10061-01-5	cis-1,3-Dichloropropene	17	U
136777-61-2	m,p-Xylenes	17	U
95-47-6	o-Xylene	17	U
1634-04-4	tert-butyl methyl ether	17	U
156-60-5	trans-1,2-dichloroethene	17	U
10061-02-6	trans-1,3-dichloropropene	17	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SD-2-031805

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	503094
Case No. :		SDG NO :	503094
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	503094-004-004-1/1
Sample Volume :	5	Lab File ID :	S006503.D
Level :	Low	Date Received	03/18/2005
% Moisture: not dec	58.55	Date Analyzed	03/29/2005
GC Column :	RTX_502.2 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
71-55-6	1,1,1-Trichloroethane	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U
79-00-5	1,1,2-Trichloroethane	12	U
75-34-3	1,1-Dichloroethane	12	U
75-35-4	1,1-Dichloroethene	12	U
120-82-1	1,2,4-Trichlorobenzene	12	U
96-12-8	1,2-Dibromo-3-Chloropropane	12	U
95-50-1	1,2-Dichlorobenzene	12	U
107-06-2	1,2-Dichloroethane	12	U
78-87-5	1,2-Dichloropropane	12	U
541-73-1	1,3-Dichlorobenzene	12	U
106-46-7	1,4-Dichlorobenzene	12	U
78-93-3	2-Butanone	24	U
591-78-6	2-Hexanone	24	U
108-10-1	4-Methyl-2-Pentanone	24	U
67-64-1	Acetone	19	J
71-43-2	Benzene	12	U
75-27-4	Bromodichloromethane	12	U
75-25-2	Bromoform	12	U
74-83-9	Bromomethane	24	U
75-15-0	Carbon Disulfide	12	U
56-23-5	Carbon Tetrachloride	12	U
108-90-7	Chlorobenzene	12	U
75-00-3	Chloroethane	24	U
67-66-3	Chloroform	12	U
74-87-3	Chloromethane	24	U
110-82-7	Cyclohexane	12	U
124-48-1	Dibromochloromethane	12	U
75-71-8	Dichlorodifluoromethane	12	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SD-2-031805

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	503094
Case No. :		SDG NO :	503094
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	503094-004-004-1/1
Sample Volume :	5	Lab File ID :	S006503.D
Level :	Low	Date Received	03/18/2005
% Moisture: not dec	58.55	Date Analyzed	03/29/2005
GC Column :	RTX_502.2 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
100-41-4	Ethylbenzene	12	U
106-93-4	Ethylene Dibromide	12	U
76-13-1	Freon 113	12	U
98-82-8	Isopropylbenzene	12	U
79-20-9	Methyl Acetate	12	U
108-87-2	Methylcyclohexane	12	U
75-09-2	Methylene Chloride	24	U
100-42-5	Styrene	12	U
127-18-4	Tetrachloroethylene	12	U
108-88-3	Toluene	12	U
79-01-6	Trichloroethene	12	U
75-69-4	Trichlorofluoromethane	12	U
75-01-4	Vinyl Chloride	24	U
156-59-2	cis-1,2-Dichloroethene	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
136777-61-2	m,p-Xylenes	12	U
95-47-6	o-Xylene	12	U
1634-04-4	tert-butyl methyl ether	12	U
156-60-5	trans-1,2-dichloroethene	12	U
10061-02-6	trans-1,3-dichloropropene	12	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO.
SD-5-031805

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	503094
Case No. :		SDG NO :	503094
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	503094-006-005-1/1
Sample Volume :	5	Lab File ID :	S006507.D
Level :	Low	Date Received	03/18/2005
% Moisture: not dec	50.92	Date Analyzed	03/29/2005
GC Column :	RTX_502.2 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
71-55-6	1,1,1-Trichloroethane	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
75-34-3	1,1-Dichloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-Chloropropane	10	U
95-50-1	1,2-Dichlorobenzene	10	U
107-06-2	1,2-Dichloroethane	10	U
78-87-5	1,2-Dichloropropane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
78-93-3	2-Butanone	20	U
591-78-6	2-Hexanone	20	U
108-10-1	4-Methyl-2-Pentanone	20	U
67-64-1	Acetone	15	J
71-43-2	Benzene	10	U
75-27-4	Bromodichloromethane	10	U
75-25-2	Bromoform	10	U
74-83-9	Bromomethane	20	U
75-15-0	Carbon Disulfide	10	U
56-23-5	Carbon Tetrachloride	10	U
108-90-7	Chlorobenzene	10	U
75-00-3	Chloroethane	20	U
67-66-3	Chloroform	10	U
74-87-3	Chloromethane	20	U
110-82-7	Cyclohexane	10	U
124-48-1	Dibromochloromethane	10	U
75-71-8	Dichlorodifluoromethane	10	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SD-5-031805

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	503094
Case No. :		SDG NO :	503094
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	503094-006-005-1/1
Sample Volume :	5	Lab File ID :	S006507.D
Level :	Low	Date Received	03/18/2005
% Moisture: not dec	50.92	Date Analyzed	03/29/2005
GC Column :	RTX_502.2 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
100-41-4	Ethylbenzene	10	U
106-93-4	Ethylene Dibromide	10	U
76-13-1	Freon 113	10	U
98-82-8	Isopropylbenzene	10	U
79-20-9	Methyl Acetate	10	U
108-87-2	Methylcyclohexane	10	U
75-09-2	Methylene Chloride	20	U
100-42-5	Styrene	10	U
127-18-4	Tetrachloroethylene	10	U
108-88-3	Toluene	10	U
79-01-6	Trichloroethene	10	U
75-69-4	Trichlorofluoromethane	10	U
75-01-4	Vinyl Chloride	20	U
156-59-2	cis-1,2-Dichloroethene	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
136777-61-2	m,p-Xylenes	10	U
95-47-6	o-Xylene	10	U
1634-04-4	tert-butyl methyl ether	10	U
156-60-5	trans-1,2-dichloroethene	10	U
10061-02-6	trans-1,3-dichloropropene	10	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SD-6-031805

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	503094
Case No. :		SDG NO :	503094
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	503094-005-025-1/3
Sample Volume :	5	Lab File ID :	S006504.D
Level :	Low	Date Received	03/18/2005
% Moisture: not dec	57.52	Date Analyzed	03/29/2005
GC Column :	RTX_502.2 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
71-55-6	1,1,1-Trichloroethane	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U
79-00-5	1,1,2-Trichloroethane	12	U
75-34-3	1,1-Dichloroethane	12	U
75-35-4	1,1-Dichloroethene	12	U
120-82-1	1,2,4-Trichlorobenzene	12	U
96-12-8	1,2-Dibromo-3-Chloropropane	12	U
95-50-1	1,2-Dichlorobenzene	12	U
107-06-2	1,2-Dichloroethane	12	U
78-87-5	1,2-Dichloropropane	12	U
541-73-1	1,3-Dichlorobenzene	12	U
106-46-7	1,4-Dichlorobenzene	12	U
78-93-3	2-Butanone	24	U
591-78-6	2-Hexanone	24	U
108-10-1	4-Methyl-2-Pentanone	24	U
67-64-1	Acetone	24	U
71-43-2	Benzene	12	U
75-27-4	Bromodichloromethane	12	U
75-25-2	Bromoform	12	U
74-83-9	Bromomethane	24	U
75-15-0	Carbon Disulfide	12	U
56-23-5	Carbon Tetrachloride	12	U
108-90-7	Chlorobenzene	12	U
75-00-3	Chloroethane	24	U
67-66-3	Chloroform	12	U
74-87-3	Chloromethane	24	U
110-82-7	Cyclohexane	12	U
124-48-1	Dibromochloromethane	12	U
75-71-8	Dichlorodifluoromethane	12	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SD-6-031805

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	503094
Case No. :		SDG NO :	503094
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	503094-005-025-1/3
Sample Volume :	5	Lab File ID :	S006504.D
Level :	Low	Date Received	03/18/2005
% Moisture: not dec	57.52	Date Analyzed	03/29/2005
GC Column :	RTX_502.2 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
100-41-4	Ethylbenzene	12	U
106-93-4	Ethylene Dibromide	12	U
76-13-1	Freon 113	12	U
98-82-8	Isopropylbenzene	12	U
79-20-9	Methyl Acetate	12	U
108-87-2	Methylcyclohexane	12	U
75-09-2	Methylene Chloride	24	U
100-42-5	Styrene	12	U
127-18-4	Tetrachloroethylene	12	U
108-88-3	Toluene	12	U
79-01-6	Trichloroethene	12	U
75-69-4	Trichlorofluoromethane	12	U
75-01-4	Vinyl Chloride	24	U
156-59-2	cis-1,2-Dichloroethene	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
136777-61-2	m,p-Xylenes	12	U
95-47-6	o-Xylene	12	U
1634-04-4	tert-butyl methyl ether	12	U
156-60-5	trans-1,2-dichloroethene	12	U
10061-02-6	trans-1,3-dichloropropene	12	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SD-7-031805

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	503094
Case No. :		SDG NO :	503094
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	503094-001-001-1/1
Sample Volume :	5	Lab File ID :	S006500.D
Level :	Low	Date Received	03/18/2005
% Moisture: not dec	51.3	Date Analyzed	03/29/2005
GC Column :	RTX_502.2 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
71-55-6	1,1,1-Trichloroethane	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
75-34-3	1,1-Dichloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-Chloropropane	10	U
95-50-1	1,2-Dichlorobenzene	10	U
107-06-2	1,2-Dichloroethane	10	U
78-87-5	1,2-Dichloropropane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
78-93-3	2-Butanone	21	U
591-78-6	2-Hexanone	21	U
108-10-1	4-Methyl-2-Pentanone	21	U
67-64-1	Acetone	91	
71-43-2	Benzene	10	U
75-27-4	Bromodichloromethane	10	U
75-25-2	Bromoform	10	U
74-83-9	Bromomethane	21	U
75-15-0	Carbon Disulfide	10	U
56-23-5	Carbon Tetrachloride	10	U
108-90-7	Chlorobenzene	10	U
75-00-3	Chloroethane	21	U
67-66-3	Chloroform	10	U
74-87-3	Chloromethane	21	U
110-82-7	Cyclohexane	10	U
124-48-1	Dibromochloromethane	10	U
75-71-8	Dichlorodifluoromethane	10	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SD-7-031805

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	503094
Case No. :		SDG NO :	503094
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	503094-001-001-1/1
Sample Volume :	5	Lab File ID :	S006500.D
Level :	Low	Date Received	03/18/2005
% Moisture: not dec	51.3	Date Analyzed	03/29/2005
GC Column :	RTX_502.2 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
100-41-4	Ethylbenzene	10	U
106-93-4	Ethylene Dibromide	10	U
76-13-1	Freon 113	10	U
98-82-8	Isopropylbenzene	10	U
79-20-9	Methyl Acetate	10	U
108-87-2	Methylcyclohexane	10	U
75-09-2	Methylene Chloride	21	U
100-42-5	Styrene	10	U
127-18-4	Tetrachloroethylene	10	U
108-88-3	Toluene	10	U
79-01-6	Trichloroethene	10	U
75-69-4	Trichlorofluoromethane	10	U
75-01-4	Vinyl Chloride	21	U
156-59-2	cis-1,2-Dichloroethene	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
136777-61-2	m,p-Xylenes	10	U
95-47-6	o-Xylene	10	U
1634-04-4	tert-butyl methyl ether	10	U
156-60-5	trans-1,2-dichloroethene	10	U
10061-02-6	trans-1,3-dichloropropene	10	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SD-8-031805

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	503094
Case No. :		SDG NO :	503094
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	503094-002-002-1/1
Sample Volume :	5	Lab File ID :	S006501.D
Level :	Low	Date Received	03/18/2005
% Moisture: not dec	50.46	Date Analyzed	03/29/2005
GC Column :	RTX_502.2 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
71-55-6	1,1,1-Trichloroethane	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
75-34-3	1,1-Dichloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
96-12-8	1,2-Dibromo-3-Chloropropane	10	U
95-50-1	1,2-Dichlorobenzene	10	U
107-06-2	1,2-Dichloroethane	10	U
78-87-5	1,2-Dichloropropane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
78-93-3	2-Butanone	20	U
591-78-6	2-Hexanone	20	U
108-10-1	4-Methyl-2-Pentanone	20	U
67-64-1	Acetone	96	
71-43-2	Benzene	10	U
75-27-4	Bromodichloromethane	10	U
75-25-2	Bromoform	10	U
74-83-9	Bromomethane	20	U
75-15-0	Carbon Disulfide	10	U
56-23-5	Carbon Tetrachloride	10	U
108-90-7	Chlorobenzene	10	U
75-00-3	Chloroethane	20	U
67-66-3	Chloroform	10	U
74-87-3	Chloromethane	20	U
110-82-7	Cyclohexane	10	U
124-48-1	Dibromochloromethane	10	U
75-71-8	Dichlorodifluoromethane	10	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SD-8-031805

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	503094
Case No. :		SDG NO :	503094
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	503094-002-002-1/1
Sample Volume :	5	Lab File ID :	S006501.D
Level :	Low	Date Received	03/18/2005
% Moisture: not dec	50.46	Date Analyzed	03/29/2005
GC Column :	RTX_502.2 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
100-41-4	Ethylbenzene	10	U
106-93-4	Ethylene Dibromide	10	U
76-13-1	Freon 113	10	U
98-82-8	Isopropylbenzene	10	U
79-20-9	Methyl Acetate	10	U
108-87-2	Methylcyclohexane	10	U
75-09-2	Methylene Chloride	20	U
100-42-5	Styrene	10	U
127-18-4	Tetrachloroethylene	10	U
108-88-3	Toluene	10	U
79-01-6	Trichloroethene	10	U
75-69-4	Trichlorofluoromethane	10	U
75-01-4	Vinyl Chloride	20	U
156-59-2	cis-1,2-Dichloroethene	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
136777-61-2	m,p-Xylenes	10	U
95-47-6	o-Xylene	10	U
1634-04-4	tert-butyl methyl ether	10	U
156-60-5	trans-1,2-dichloroethene	10	U
10061-02-6	trans-1,3-dichloropropene	10	U

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

SAMPLE NO
SD-9-031805

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	503094
Case No. :		SDG NO :	503094
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	503094-003-003-1/1
Sample Volume :	5	Lab File ID :	S006502.D
Level :	Low	Date Received	03/18/2005
% Moisture: not dec	68.42	Date Analyzed	03/29/2005
GC Column :	RTX_502.2 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
71-55-6	1,1,1-Trichloroethane	16	U
79-34-5	1,1,2,2-Tetrachloroethane	16	U
79-00-5	1,1,2-Trichloroethane	16	U
75-34-3	1,1-Dichloroethane	16	U
75-35-4	1,1-Dichloroethene	16	U
120-82-1	1,2,4-Trichlorobenzene	16	U
96-12-8	1,2-Dibromo-3-Chloropropane	16	U
95-50-1	1,2-Dichlorobenzene	16	U
107-06-2	1,2-Dichloroethane	16	U
78-87-5	1,2-Dichloropropane	16	U
541-73-1	1,3-Dichlorobenzene	16	U
106-46-7	1,4-Dichlorobenzene	16	U
78-93-3	2-Butanone	32	U
591-78-6	2-Hexanone	32	U
108-10-1	4-Methyl-2-Pentanone	32	U
67-64-1	Acetone	160	
71-43-2	Benzene	16	U
75-27-4	Bromodichloromethane	16	U
75-25-2	Bromoform	16	U
74-83-9	Bromomethane	32	U
75-15-0	Carbon Disulfide	9.1	J
56-23-5	Carbon Tetrachloride	16	U
108-90-7	Chlorobenzene	16	U
75-00-3	Chloroethane	32	U
67-66-3	Chloroform	16	U
74-87-3	Chloromethane	32	U
110-82-7	Cyclohexane	16	U
124-48-1	Dibromochloromethane	16	U
75-71-8	Dichlorodifluoromethane	16	U

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

SAMPLE NO
SD-9-031805

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	503094
Case No. :		SDG NO :	503094
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	503094-003-003-1/1
Sample Volume :	5	Lab File ID :	S006502.D
Level :	Low	Date Received	03/18/2005
% Moisture: not dec	68.42	Date Analyzed	03/29/2005
GC Column :	RTX_502.2 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
100-41-4	Ethylbenzene	16	U
106-93-4	Ethylene Dibromide	16	U
76-13-1	Freon 113	16	U
98-82-8	Isopropylbenzene	16	U
79-20-9	Methyl Acetate	16	U
108-87-2	Methylcyclohexane	16	U
75-09-2	Methylene Chloride	32	U
100-42-5	Styrene	16	U
127-18-4	Tetrachloroethylene	16	U
108-88-3	Toluene	16	U
79-01-6	Trichloroethene	16	U
75-69-4	Trichlorofluoromethane	16	U
75-01-4	Vinyl Chloride	32	U
156-59-2	cis-1,2-Dichloroethene	16	U
10061-01-5	cis-1,3-Dichloropropene	16	U
136777-61-2	m,p-Xylenes	16	U
95-47-6	o-Xylene	16	U
1634-04-4	tert-butyl methyl ether	16	U
156-60-5	trans-1,2-dichloroethene	16	U
10061-02-6	trans-1,3-dichloropropene	16	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SD-10-031805

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code	GPL	SAS NO. :	
Case No.		SDG NO :	503094
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	503094-007-014-1/1
Sample Volume :	30	Lab File ID :	T23356.D
% Moisture:	65.4	Date Received	03/18/2005
Extraction:	SW3550	Date Extracte	03/29/2005
Extract Volume	1 mL	Date Analyzed	03/30/2005
Injection Volume :	1 µL	Dilution Factor	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
120-82-1	1,2,4-Trichlorobenzene	960	U
95-50-1	1,2-Dichlorobenzene	960	U
122-66-7	1,2-Diphenylhydrazine	960	U
541-73-1	1,3-Dichlorobenzene	960	U
106-46-7	1,4-Dichlorobenzene	960	U
108-60-1	2,2-Oxybis(1-Chloropropane)	960	U
95-95-4	2,4,5-Trichlorophenol	960	U
88-06-2	2,4,6-Trichlorophenol	960	U
120-83-2	2,4-Dichlorophenol	960	U
105-67-9	2,4-Dimethylphenol	960	U
51-28-5	2,4-Dinitrophenol	1900	U
121-14-2	2,4-Dinitrotoluene	960	U
606-20-2	2,6-Dinitrotoluene	960	U
91-58-7	2-Chloronaphthalene	960	U
95-57-8	2-Chlorophenol	960	U
91-57-6	2-Methylnaphthalene	960	U
88-74-4	2-Nitroaniline	960	U
88-75-5	2-Nitrophenol	960	U
95-48-7	2-methylphenol	960	U
91-94-1	3,3-Dichlorobenzidine	1900	U
99-09-2	3-Nitroaniline	960	U
534-52-1	4,6-dinitro-2-methyl phenol	1900	U
101-55-3	4-Bromophenyl-phenylether	960	U
106-47-8	4-Chloroaniline	960	U
7005-72-3	4-Chlorophenyl Phenyl Ether	960	U
100-01-6	4-Nitroaniline	960	U
100-02-7	4-Nitrophenol	1900	U
59-50-7	4-chloro-3-methylphenol	960	U
106-44-5	4-methylphenol	960	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SD-10-031805

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code	GPL	SAS NO. :	
Case No.		SDG NO :	503094
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	503094-007-014-1/1
Sample Volume :	30	Lab File ID :	T23356.D
% Moisture:	65.4	Date Received	03/18/2005
Extraction:	SW3550	Date Extracte	03/29/2005
Extract Volume	1 mL	Date Analyzed	03/30/2005
Injection Volume :	1 µL	Dilution Factor	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
83-32-9	Acenaphthene	190	J
208-96-8	Acenaphthylene	960	U
62-53-3	Aniline (Phenylamine, Aminobenzene)	960	U
120-12-7	Anthracene	500	J
92-87-5	Benzidine	960	U
56-55-3	Benzo(a)anthracene	1300	
50-32-8	Benzo(a)pyrene	1100	
205-99-2	Benzo(b)fluoranthene	1400	
191-24-2	Benzo(g,h,i)perylene	740	J
207-08-9	Benzo(k)fluoranthene	490	J
65-85-0	Benzoic Acid	1900	U
100-51-6	Benzyl Alcohol	960	U
85-68-7	Benzyl Butyl Phthalate	960	U
86-74-8	Carbazole	250	J
218-01-9	Chrysene	1300	
53-70-3	Dibenz(a,h)Anthracene	960	U
132-64-9	Dibenzofuran	960	U
84-66-2	Diethyl Phthalate	960	U
131-11-3	Dimethyl Phthalate	960	U
206-44-0	Fluoranthene	2700	
86-73-7	Fluorene	250	J
118-74-1	Hexachlorobenzene	960	U
87-68-3	Hexachlorobutadiene	960	U
77-47-4	Hexachlorocyclopentadiene	960	U
67-72-1	Hexachloroethane	960	U
193-39-5	Indeno(1,2,3-c,d)Pyrene	630	J
78-59-1	Isophorone	960	U
91-20-3	Naphthalene	960	U
98-95-3	Nitrobenzene	960	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SD-10-031805

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code	GPL	SAS NO. :	
Case No.		SDG NO :	503094
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	503094-007-014-1/1
Sample Volume :	30	Lab File ID :	T23356.D
% Moisture:	65.4	Date Received	03/18/2005
Extraction:	SW3550	Date Extracte	03/29/2005
Extract Volume	1 mL	Date Analyzed	03/30/2005
Injection Volume :	1 µL	Dilution Factor	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
87-86-5	Pentachlorophenol	1900	U
85-01-8	Phenanthrene	2300	
108-95-2	Phenol	960	U
129-00-0	Pyrene	2700	
110-86-1	Pyridine	960	U
111-91-1	bis(2-chloroethoxy) methane	960	U
111-44-4	bis(2-chloroethyl) ether	960	U
117-81-7	bis(2-ethylhexyl) phthalate	280	J
84-74-2	di-n-Butyl Phthalate	960	U
117-84-0	di-n-Octyl Phthalate	960	U
621-64-7	n-Nitrosodi-n-Propylamine	960	U
62-75-9	n-Nitrosodimethylamine	960	U
86-30-6	n-Nitrosodiphenylamine	960	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SD-11-031805

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code	GPL	SAS NO. :	
Case No.		SDG NO :	503094
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	503094-008-015-1/1
Sample Volume :	30	Lab File ID :	T23332.D
% Moisture:	44.1	Date Received	03/18/2005
Extraction:	SW3550	Date Extracte	03/29/2005
Extract Volume	1 mL	Date Analyzed	03/29/2005
Injection Volume :	1 µL	Dilution Factor	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
120-82-1	1,2,4-Trichlorobenzene	600	U
95-50-1	1,2-Dichlorobenzene	600	U
122-66-7	1,2-Diphenylhydrazine	600	U
541-73-1	1,3-Dichlorobenzene	600	U
106-46-7	1,4-Dichlorobenzene	600	U
108-60-1	2,2-Oxybis(1-Chloropropane)	600	U
95-95-4	2,4,5-Trichlorophenol	600	U
88-06-2	2,4,6-Trichlorophenol	600	U
120-83-2	2,4-Dichlorophenol	600	U
105-67-9	2,4-Dimethylphenol	600	U
51-28-5	2,4-Dinitrophenol	1200	U
121-14-2	2,4-Dinitrotoluene	600	U
606-20-2	2,6-Dinitrotoluene	600	U
91-58-7	2-Chloronaphthalene	600	U
95-57-8	2-Chlorophenol	600	U
91-57-6	2-Methylnaphthalene	600	U
88-74-4	2-Nitroaniline	600	U
88-75-5	2-Nitrophenol	600	U
95-48-7	2-methylphenol	600	U
91-94-1	3,3-Dichlorobenzidine	1200	U
99-09-2	3-Nitroaniline	600	U
534-52-1	4,6-dinitro-2-methyl phenol	1200	U
101-55-3	4-Bromophenyl-phenylether	600	U
106-47-8	4-Chloroaniline	600	U
7005-72-3	4-Chlorophenyl Phenyl Ether	600	U
100-01-6	4-Nitroaniline	600	U
100-02-7	4-Nitrophenol	1200	U
59-50-7	4-chloro-3-methylphenol	600	U
106-44-5	4-methylphenol	600	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SD-11-031805

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code	GPL	SAS NO. :	
Case No.		SDG NO :	503094
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	503094-008-015-1/1
Sample Volume :	30	Lab File ID :	T23332.D
% Moisture:	44.1	Date Received	03/18/2005
Extraction:	SW3550	Date Extracte	03/29/2005
Extract Volume	1 mL	Date Analyzed	03/29/2005
Injection Volume :	1 µL	Dilution Factor	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
83-32-9	Acenaphthene	600	U
208-96-8	Acenaphthylene	600	U
62-53-3	Aniline (Phenylamine, Aminobenzene)	600	U
120-12-7	Anthracene	600	U
92-87-5	Benzidine	600	U
56-55-3	Benzo(a)anthracene	600	U
50-32-8	Benzo(a)pyrene	600	U
205-99-2	Benzo(b)fluoranthene	600	U
191-24-2	Benzo(g,h,i)perylene	600	U
207-08-9	Benzo(k)fluoranthene	600	U
65-85-0	Benzoic Acid	1200	U
100-51-6	Benzyl Alcohol	600	U
85-68-7	Benzyl Butyl Phthalate	600	U
86-74-8	Carbazole	600	U
218-01-9	Chrysene	600	U
53-70-3	Dibenz(a,h)Anthracene	600	U
132-64-9	Dibenzofuran	600	U
84-66-2	Diethyl Phthalate	600	U
131-11-3	Dimethyl Phthalate	600	U
206-44-0	Fluoranthene	600	U
86-73-7	Fluorene	600	U
118-74-1	Hexachlorobenzene	600	U
87-68-3	Hexachlorobutadiene	600	U
77-47-4	Hexachlorocyclopentadiene	600	U
67-72-1	Hexachloroethane	600	U
193-39-5	Indeno(1,2,3-c,d)Pyrene	600	U
78-59-1	Isophorone	600	U
91-20-3	Naphthalene	600	U
98-95-3	Nitrobenzene	600	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SD-11-031805

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code	GPL	SAS NO. :	
Case No.		SDG NO :	503094
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	503094-008-015-1/1
Sample Volume :	30	Lab File ID :	T23332.D
% Moisture:	44.1	Date Received	03/18/2005
Extraction:	SW3550	Date Extracte	03/29/2005
Extract Volume	1 mL	Date Analyzed	03/29/2005
Injection Volume :	1 µL	Dilution Factor	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
87-86-5	Pentachlorophenol	1200	U
85-01-8	Phenanthrene	600	U
108-95-2	Phenol	600	U
129-00-0	Pyrene	600	U
110-86-1	Pyridine	600	U
111-91-1	bis(2-chloroethoxy) methane	600	U
111-44-4	bis(2-chloroethyl) ether	600	U
117-81-7	bis(2-ethylhexyl) phthalate	78	J
84-74-2	di-n-Butyl Phthalate	600	U
117-84-0	di-n-Octyl Phthalate	600	U
621-64-7	n-Nitrosodi-n-Propylamine	600	U
62-75-9	n-Nitrosodimethylamine	600	U
86-30-6	n-Nitrosodiphenylamine	600	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SD-12-031805

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code	GPL	SAS NO. :	
Case No.		SDG NO :	503094
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	503094-009-016-1/1
Sample Volume :	30	Lab File ID :	T23357.D
% Moisture:	69.81	Date Received	03/18/2005
Extraction:	SW3550	Date Extracte	03/29/2005
Extract Volume	1 mL	Date Analyzed	03/30/2005
Injection Volume :	1 µL	Dilution Factor	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
120-82-1	1,2,4-Trichlorobenzene	1100	U
95-50-1	1,2-Dichlorobenzene	1100	U
122-66-7	1,2-Diphenylhydrazine	1100	U
541-73-1	1,3-Dichlorobenzene	1100	U
106-46-7	1,4-Dichlorobenzene	1100	U
108-60-1	2,2-Oxybis(1-Chloropropane)	1100	U
95-95-4	2,4,5-Trichlorophenol	1100	U
88-06-2	2,4,6-Trichlorophenol	1100	U
120-83-2	2,4-Dichlorophenol	1100	U
105-67-9	2,4-Dimethylphenol	1100	U
51-28-5	2,4-Dinitrophenol	2200	U
121-14-2	2,4-Dinitrotoluene	1100	U
606-20-2	2,6-Dinitrotoluene	1100	U
91-58-7	2-Chloronaphthalene	1100	U
95-57-8	2-Chlorophenol	1100	U
91-57-6	2-Methylnaphthalene	1100	U
88-74-4	2-Nitroaniline	1100	U
88-75-5	2-Nitrophenol	1100	U
95-48-7	2-methylphenol	1100	U
91-94-1	3,3-Dichlorobenzidine	2200	U
99-09-2	3-Nitroaniline	1100	U
534-52-1	4,6-dinitro-2-methyl phenol	2200	U
101-55-3	4-Bromophenyl-phenylether	1100	U
106-47-8	4-Chloroaniline	1100	U
7005-72-3	4-Chlorophenyl Phenyl Ether	1100	U
100-01-6	4-Nitroaniline	1100	U
100-02-7	4-Nitrophenol	2200	U
59-50-7	4-chloro-3-methylphenol	1100	U
106-44-5	4-methylphenol	1100	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SD-12-031805

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code	GPL	SAS NO. :	
Case No.		SDG NO :	503094
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	503094-009-016-1/1
Sample Volume :	30	Lab File ID :	T23357.D
% Moisture:	69.81	Date Received	03/18/2005
Extraction:	SW3550	Date Extracte	03/29/2005
Extract Volume	1 mL	Date Analyzed	03/30/2005
Injection Volume :	1 µL	Dilution Factor	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
83-32-9	Acenaphthene	1100	U
208-96-8	Acenaphthylene	1100	U
62-53-3	Aniline (Phenylamine, Aminobenzene)	1100	U
120-12-7	Anthracene	1100	U
92-87-5	Benzidine	1100	U
56-55-3	Benzo(a)anthracene	1100	J
50-32-8	Benzo(a)pyrene	1100	J
205-99-2	Benzo(b)fluoranthene	1600	
191-24-2	Benzo(g,h,i)perylene	760	J
207-08-9	Benzo(k)fluoranthene	530	J
65-85-0	Benzoic Acid	2200	U
100-51-6	Benzyl Alcohol	1100	U
85-68-7	Benzyl Butyl Phthalate	160	J
86-74-8	Carbazole	1100	U
218-01-9	Chrysene	1200	
53-70-3	Dibenz(a,h)Anthracene	1100	U
132-64-9	Dibenzofuran	1100	U
84-66-2	Diethyl Phthalate	1100	U
131-11-3	Dimethyl Phthalate	1100	U
206-44-0	Fluoranthene	2000	
86-73-7	Fluorene	1100	U
118-74-1	Hexachlorobenzene	1100	U
87-68-3	Hexachlorobutadiene	1100	U
77-47-4	Hexachlorocyclopentadiene	1100	U
67-72-1	Hexachloroethane	1100	U
193-39-5	Indeno(1,2,3-c,d)Pyrene	660	J
78-59-1	Isophorone	1100	U
91-20-3	Naphthalene	1100	U
98-95-3	Nitrobenzene	1100	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SD-12-031805

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code	GPL	SAS NO. :	
Case No.		SDG NO :	503094
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	503094-009-016-1/1
Sample Volume :	30	Lab File ID :	T23357.D
% Moisture:	69.81	Date Received	03/18/2005
Extraction:	SW3550	Date Extracte	03/29/2005
Extract Volume	1 mL	Date Analyzed	03/30/2005
Injection Volume :	1 µL	Dilution Factor	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
87-86-5	Pentachlorophenol	2200	U
85-01-8	Phenanthrene	550	J
108-95-2	Phenol	1100	U
129-00-0	Pyrene	1900	
110-86-1	Pyridine	1100	U
111-91-1	bis(2-chloroethoxy) methane	1100	U
111-44-4	bis(2-chloroethyl) ether	1100	U
117-81-7	bis(2-ethylhexyl) phthalate	430	J
84-74-2	di-n-Butyl Phthalate	1100	U
117-84-0	di-n-Octyl Phthalate	1100	U
621-64-7	n-Nitrosodi-n-Propylamine	1100	U
62-75-9	n-Nitrosodimethylamine	1100	U
86-30-6	n-Nitrosodiphenylamine	1100	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SD-2-031805

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code	GPL	SAS NO. :	
Case No.		SDG NO :	503094
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	503094-004-012-1/1
Sample Volume :	30	Lab File ID :	T23340.D
% Moisture:	58.55	Date Received	03/18/2005
Extraction:	SW3550	Date Extracte	03/29/2005
Extract Volume	1 mL	Date Analyzed	03/29/2005
Injection Volume :	1 µL	Dilution Factor	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
120-82-1	1,2,4-Trichlorobenzene	800	U
95-50-1	1,2-Dichlorobenzene	800	U
122-66-7	1,2-Diphenylhydrazine	800	U
541-73-1	1,3-Dichlorobenzene	800	U
106-46-7	1,4-Dichlorobenzene	800	U
108-60-1	2,2-Oxybis(1-Chloropropane)	800	U
95-95-4	2,4,5-Trichlorophenol	800	U
88-06-2	2,4,6-Trichlorophenol	800	U
120-83-2	2,4-Dichlorophenol	800	U
105-67-9	2,4-Dimethylphenol	800	U
51-28-5	2,4-Dinitrophenol	1600	U
121-14-2	2,4-Dinitrotoluene	800	U
606-20-2	2,6-Dinitrotoluene	800	U
91-58-7	2-Chloronaphthalene	800	U
95-57-8	2-Chlorophenol	800	U
91-57-6	2-Methylnaphthalene	800	U
88-74-4	2-Nitroaniline	800	U
88-75-5	2-Nitrophenol	800	U
95-48-7	2-methylphenol	800	U
91-94-1	3,3-Dichlorobenzidine	1600	U
99-09-2	3-Nitroaniline	800	U
534-52-1	4,6-dinitro-2-methyl phenol	1600	U
101-55-3	4-Bromophenyl-phenylether	800	U
106-47-8	4-Chloroaniline	800	U
7005-72-3	4-Chlorophenyl Phenyl Ether	800	U
100-01-6	4-Nitroaniline	800	U
100-02-7	4-Nitrophenol	1600	U
59-50-7	4-chloro-3-methylphenol	800	U
106-44-5	4-methylphenol	800	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SD-2-031805

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code	GPL	SAS NO. :	
Case No.		SDG NO :	503094
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	503094-004-012-1/1
Sample Volume :	30	Lab File ID :	T23340.D
% Moisture:	58.55	Date Received	03/18/2005
Extraction:	SW3550	Date Extracte	03/29/2005
Extract Volume	1 mL	Date Analyzed	03/29/2005
Injection Volume :	1 µ L	Dilution Factor	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
83-32-9	Acenaphthene	800	U
208-96-8	Acenaphthylene	800	U
62-53-3	Aniline (Phenylamine, Aminobenzene)	800	U
120-12-7	Anthracene	800	U
92-87-5	Benzidine	800	U
56-55-3	Benzo(a)anthracene	140	J
50-32-8	Benzo(a)pyrene	140	J
205-99-2	Benzo(b)fluoranthene	180	J
191-24-2	Benzo(g,h,i)perylene	800	U
207-08-9	Benzo(k)fluoranthene	800	U
65-85-0	Benzoic Acid	1600	U
100-51-6	Benzyl Alcohol	800	U
85-68-7	Benzyl Butyl Phthalate	800	U
86-74-8	Carbazole	800	U
218-01-9	Chrysene	190	J
53-70-3	Dibenz(a,h)Anthracene	800	U
132-64-9	Dibenzofuran	800	U
84-66-2	Diethyl Phthalate	800	U
131-11-3	Dimethyl Phthalate	800	U
206-44-0	Fluoranthene	310	J
86-73-7	Fluorene	800	U
118-74-1	Hexachlorobenzene	800	U
87-68-3	Hexachlorobutadiene	800	U
77-47-4	Hexachlorocyclopentadiene	800	U
67-72-1	Hexachloroethane	800	U
193-39-5	Indeno(1,2,3-c,d)Pyrene	800	U
78-59-1	Isophorone	800	U
91-20-3	Naphthalene	800	U
98-95-3	Nitrobenzene	800	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SD-2-031805

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code	GPL	SAS NO. :	
Case No.		SDG NO :	503094
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	503094-004-012-1/1
Sample Volume :	30	Lab File ID :	T23340.D
% Moisture:	58.55	Date Received	03/18/2005
Extraction:	SW3550	Date Extracte	03/29/2005
Extract Volume	1 mL	Date Analyzed	03/29/2005
Injection Volume :	1 µL	Dilution Factor	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
87-86-5	Pentachlorophenol	1600	U
85-01-8	Phenanthrene	100	J
108-95-2	Phenol	800	U
129-00-0	Pyrene	270	J
110-86-1	Pyridine	800	U
111-91-1	bis(2-chloroethoxy) methane	800	U
111-44-4	bis(2-chloroethyl) ether	800	U
117-81-7	bis(2-ethylhexyl) phthalate	290	J
84-74-2	di-n-Butyl Phthalate	800	U
117-84-0	di-n-Octyl Phthalate	800	U
621-64-7	n-Nitrosodi-n-Propylamine	800	U
62-75-9	n-Nitrosodimethylamine	800	U
86-30-6	n-Nitrosodiphenylamine	800	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SD-5-031805

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code	GPL	SAS NO. :	
Case No.		SDG NO :	503094
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	503094-006-013-1/1
Sample Volume :	30	Lab File ID :	T23344.D
% Moisture:	50.92	Date Received	03/18/2005
Extraction:	SW3550	Date Extracte	03/29/2005
Extract Volume	1 mL	Date Analyzed	03/29/2005
Injection Volume :	1 µL	Dilution Factor	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
120-82-1	1,2,4-Trichlorobenzene	680	U
95-50-1	1,2-Dichlorobenzene	680	U
122-66-7	1,2-Diphenylhydrazine	680	U
541-73-1	1,3-Dichlorobenzene	680	U
106-46-7	1,4-Dichlorobenzene	680	U
108-60-1	2,2-Oxybis(1-Chloropropane)	680	U
95-95-4	2,4,5-Trichlorophenol	680	U
88-06-2	2,4,6-Trichlorophenol	680	U
120-83-2	2,4-Dichlorophenol	680	U
105-67-9	2,4-Dimethylphenol	680	U
51-28-5	2,4-Dinitrophenol	1400	U
121-14-2	2,4-Dinitrotoluene	680	U
606-20-2	2,6-Dinitrotoluene	680	U
91-58-7	2-Chloronaphthalene	680	U
95-57-8	2-Chlorophenol	680	U
91-57-6	2-Methylnaphthalene	680	U
88-74-4	2-Nitroaniline	680	U
88-75-5	2-Nitrophenol	680	U
95-48-7	2-methylphenol	680	U
91-94-1	3,3-Dichlorobenzidine	1400	U
99-09-2	3-Nitroaniline	680	U
534-52-1	4,6-dinitro-2-methyl phenol	1400	U
101-55-3	4-Bromophenyl-phenylether	680	U
106-47-8	4-Chloroaniline	680	U
7005-72-3	4-Chlorophenyl Phenyl Ether	680	U
100-01-6	4-Nitroaniline	680	U
100-02-7	4-Nitrophenol	1400	U
59-50-7	4-chloro-3-methylphenol	680	U
106-44-5	4-methylphenol	680	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SD-5-031805

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code	GPL	SAS NO. :	
Case No.		SDG NO :	503094
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	503094-006-013-1/1
Sample Volume :	30	Lab File ID :	T23344.D
% Moisture:	50.92	Date Received	03/18/2005
Extraction:	SW3550	Date Extracte	03/29/2005
Extract Volume	1 mL	Date Analyzed	03/29/2005
Injection Volume :	1 µL	Dilution Factor	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
83-32-9	Acenaphthene	680	U
208-96-8	Acenaphthylene	680	U
62-53-3	Aniline (Phenylamine, Aminobenzene)	680	U
120-12-7	Anthracene	290	J
92-87-5	Benzidine	680	U
56-55-3	Benzo(a)anthracene	1200	
50-32-8	Benzo(a)pyrene	1000	
205-99-2	Benzo(b)fluoranthene	1500	
191-24-2	Benzo(g,h,i)perylene	670	J
207-08-9	Benzo(k)fluoranthene	550	J
65-85-0	Benzoic Acid	1400	U
100-51-6	Benzyl Alcohol	680	U
85-68-7	Benzyl Butyl Phthalate	680	U
86-74-8	Carbazole	190	J
218-01-9	Chrysene	1300	
53-70-3	Dibenz(a,h)Anthracene	680	U
132-64-9	Dibenzofuran	680	U
84-66-2	Diethyl Phthalate	680	U
131-11-3	Dimethyl Phthalate	680	U
206-44-0	Fluoranthene	2300	
86-73-7	Fluorene	680	U
118-74-1	Hexachlorobenzene	680	U
87-68-3	Hexachlorobutadiene	680	U
77-47-4	Hexachlorocyclopentadiene	680	U
67-72-1	Hexachloroethane	680	U
193-39-5	Indeno(1,2,3-c,d)Pyrene	610	J
78-59-1	Isophorone	680	U
91-20-3	Naphthalene	680	U
98-95-3	Nitrobenzene	680	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SD-5-031805

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code	GPL	SAS NO. :	
Case No.		SDG NO :	503094
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	503094-006-013-1/1
Sample Volume :	30	Lab File ID :	T23344.D
% Moisture:	50.92	Date Received	03/18/2005
Extraction:	SW3550	Date Extracte	03/29/2005
Extract Volume	1 mL	Date Analyzed	03/29/2005
Injection Volume :	1 µL	Dilution Factor	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
87-86-5	Pentachlorophenol	1400	U
85-01-8	Phenanthrene	1300	
108-95-2	Phenol	680	U
129-00-0	Pyrene	2200	
110-86-1	Pyridine	680	U
111-91-1	bis(2-chloroethoxy) methane	680	U
111-44-4	bis(2-chloroethyl) ether	680	U
117-81-7	bis(2-ethylhexyl) phthalate	1500	
84-74-2	di-n-Butyl Phthalate	680	U
117-84-0	di-n-Octyl Phthalate	680	U
621-64-7	n-Nitrosodi-n-Propylamine	680	U
62-75-9	n-Nitrosodimethylamine	680	U
86-30-6	n-Nitrosodiphenylamine	680	U

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

SAMPLE NO
SD-6-031805

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code	GPL	SAS NO. :	
Case No.		SDG NO :	503094
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	503094-005-029-1/3
Sample Volume :	30	Lab File ID :	T23335.D
% Moisture:	57.52	Date Received	03/18/2005
Extraction:	SW3550	Date Extracte	03/29/2005
Extract Volume	1 mL	Date Analyzed	03/29/2005
Injection Volume :	1 µL	Dilution Factor	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
120-82-1	1,2,4-Trichlorobenzene	790	U
95-50-1	1,2-Dichlorobenzene	790	U
122-66-7	1,2-Diphenylhydrazine	790	U
541-73-1	1,3-Dichlorobenzene	790	U
106-46-7	1,4-Dichlorobenzene	790	U
108-60-1	2,2-Oxybis(1-Chloropropane)	790	U
95-95-4	2,4,5-Trichlorophenol	790	U
88-06-2	2,4,6-Trichlorophenol	790	U
120-83-2	2,4-Dichlorophenol	790	U
105-67-9	2,4-Dimethylphenol	790	U
51-28-5	2,4-Dinitrophenol	1600	U
121-14-2	2,4-Dinitrotoluene	790	U
606-20-2	2,6-Dinitrotoluene	790	U
91-58-7	2-Chloronaphthalene	790	U
95-57-8	2-Chlorophenol	790	U
91-57-6	2-Methylnaphthalene	790	U
88-74-4	2-Nitroaniline	790	U
88-75-5	2-Nitrophenol	790	U
95-48-7	2-methylphenol	790	U
91-94-1	3,3-Dichlorobenzidine	1600	U
99-09-2	3-Nitroaniline	790	U
534-52-1	4,6-dinitro-2-methyl phenol	1600	U
101-55-3	4-Bromophenyl-phenylether	790	U
106-47-8	4-Chloroaniline	790	U
7005-72-3	4-Chlorophenyl Phenyl Ether	790	U
100-01-6	4-Nitroaniline	790	U
100-02-7	4-Nitrophenol	1600	U
59-50-7	4-chloro-3-methylphenol	790	U
106-44-5	4-methylphenol	790	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SD-6-031805

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code	GPL	SAS NO. :	
Case No.		SDG NO :	503094
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	503094-005-029-1/3
Sample Volume :	30	Lab File ID :	T23335.D
% Moisture:	57.52	Date Received	03/18/2005
Extraction:	SW3550	Date Extracte	03/29/2005
Extract Volume	1 mL	Date Analyzed	03/29/2005
Injection Volume :	1 µL	Dilution Factor	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
83-32-9	Acenaphthene	790	U
208-96-8	Acenaphthylene	790	U
62-53-3	Aniline (Phenylamine, Aminobenzene)	790	U
129-12-7	Anthracene	790	U
92-87-5	Benzidine	790	U
56-55-3	Benzo(a)anthracene	440	J
50-32-8	Benzo(a)pyrene	450	J
205-99-2	Benzo(b)fluoranthene	490	J
191-24-2	Benzo(g,h,i)perylene	370	J
207-08-9	Benzo(k)fluoranthene	270	J
65-85-0	Benzoic Acid	1600	U
100-51-6	Benzyl Alcohol	790	U
85-68-7	Benzyl Butyl Phthalate	790	U
86-74-8	Carbazole	790	U
218-01-9	Chrysene	410	J
53-70-3	Dibenz(a,h)Anthracene	790	U
132-64-9	Dibenzofuran	790	U
84-66-2	Diethyl Phthalate	790	U
131-11-3	Dimethyl Phthalate	790	U
206-44-0	Fluoranthene	740	J
86-73-7	Fluorene	790	U
118-74-1	Hexachlorobenzene	790	U
87-68-3	Hexachlorobutadiene	790	U
77-47-4	Hexachlorocyclopentadiene	790	U
67-72-1	Hexachloroethane	790	U
193-39-5	Indeno(1,2,3-c,d)Pyrene	290	J
78-59-1	Isophorone	790	U
91-20-3	Naphthalene	790	U
98-95-3	Nitrobenzene	790	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SD-6-031805

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code	GPL	SAS NO. :	
Case No.		SDG NO :	503094
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	503094-005-029-1/3
Sample Volume :	30	Lab File ID :	T23335.D
% Moisture:	57.52	Date Received	03/18/2005
Extraction:	SW3550	Date Extracte	03/29/2005
Extract Volume	1 mL	Date Analyzed	03/29/2005
Injection Volume :	1 µL	Dilution Factor	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
87-86-5	Pentachlorophenol	1600	U
85-01-8	Phenanthrene	330	J
108-95-2	Phenol	790	U
129-00-0	Pyrene	870	
110-86-1	Pyridine	790	U
111-91-1	bis(2-chloroethoxy) methane	790	U
111-44-4	bis(2-chloroethyl) ether	790	U
117-81-7	bis(2-ethylhexyl) phthalate	1200	
84-74-2	di-n-Butyl Phthalate	790	U
117-84-0	di-n-Octyl Phthalate	790	U
621-64-7	n-Nitrosodi-n-Propylamine	790	U
62-75-9	n-Nitrosodimethylamine	790	U
86-30-6	n-Nitrosodiphenylamine	790	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SD-7-031805

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code	GPL	SAS NO. :	
Case No.		SDG NO :	503094
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	503094-001-009-1/1
Sample Volume :	30	Lab File ID :	T23338.D
% Moisture:	51.3	Date Received	03/18/2005
Extraction:	SW3550	Date Extracte	03/29/2005
Extract Volume	1 mL	Date Analyzed	03/29/2005
Injection Volume :	1 µL	Dilution Factor	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
120-82-1	1,2,4-Trichlorobenzene	680	U
95-50-1	1,2-Dichlorobenzene	680	U
122-66-7	1,2-Diphenylhydrazine	680	U
541-73-1	1,3-Dichlorobenzene	680	U
106-46-7	1,4-Dichlorobenzene	680	U
108-60-1	2,2-Oxybis(1-Chloropropane)	680	U
95-95-4	2,4,5-Trichlorophenol	680	U
88-06-2	2,4,6-Trichlorophenol	680	U
120-83-2	2,4-Dichlorophenol	680	U
105-67-9	2,4-Dimethylphenol	680	U
51-28-5	2,4-Dinitrophenol	1400	U
121-14-2	2,4-Dinitrotoluene	680	U
606-20-2	2,6-Dinitrotoluene	680	U
91-58-7	2-Chloronaphthalene	680	U
95-57-8	2-Chlorophenol	680	U
91-57-6	2-Methylnaphthalene	680	U
88-74-4	2-Nitroaniline	680	U
88-75-5	2-Nitrophenol	680	U
95-48-7	2-methylphenol	680	U
91-94-1	3,3-Dichlorobenzidine	1400	U
99-09-2	3-Nitroaniline	680	U
534-52-1	4,6-dinitro-2-methyl phenol	1400	U
101-55-3	4-Bromophenyl-phenylether	680	U
106-47-8	4-Chloroaniline	680	U
7005-72-3	4-Chlorophenyl Phenyl Ether	680	U
100-01-6	4-Nitroaniline	680	U
100-02-7	4-Nitrophenol	1400	U
59-50-7	4-chloro-3-methylphenol	680	U
106-44-5	4-methylphenol	680	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SD-7-031805

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code	GPL	SAS NO. :	
Case No.		SDG NO :	503094
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	503094-001-009-1/1
Sample Volume :	30	Lab File ID :	T23338.D
% Moisture:	51.3	Date Received	03/18/2005
Extraction:	SW3550	Date Extracte	03/29/2005
Extract Volume	1 mL	Date Analyzed	03/29/2005
Injection Volume :	1 µL	Dilution Factor	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
83-32-9	Acenaphthene	680	U
208-96-8	Acenaphthylene	680	U
62-53-3	Aniline (Phenylamine, Aminobenzene)	680	U
120-12-7	Anthracene	680	U
92-87-5	Benzidine	680	U
56-55-3	Benzo(a)anthracene	140	J
50-32-8	Benzo(a)pyrene	150	J
205-99-2	Benzo(b)fluoranthene	200	J
191-24-2	Benzo(g,h,i)perylene	110	J
207-08-9	Benzo(k)fluoranthene	680	U
65-85-0	Benzoic Acid	1400	U
100-51-6	Benzyl Alcohol	680	U
85-68-7	Benzyl Butyl Phthalate	680	U
86-74-8	Carbazole	680	U
218-01-9	Chrysene	140	J
53-70-3	Dibenz(a,h)Anthracene	680	U
132-64-9	Dibenzofuran	680	U
84-66-2	Diethyl Phthalate	680	U
131-11-3	Dimethyl Phthalate	680	U
206-44-0	Fluoranthene	250	J
86-73-7	Fluorene	680	U
118-74-1	Hexachlorobenzene	680	U
87-68-3	Hexachlorobutadiene	680	U
77-47-4	Hexachlorocyclopentadiene	680	U
67-72-1	Hexachloroethane	680	U
193-39-5	Indeno(1,2,3-c,d)Pyrene	95	J
78-59-1	Isophorone	680	U
91-20-3	Naphthalene	680	U
98-95-3	Nitrobenzene	680	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SD-7-031805

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code	GPL	SAS NO. :	
Case No.		SDG NO :	503094
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	503094-001-009-1/1
Sample Volume :	30	Lab File ID :	T23338.D
% Moisture:	51.3	Date Received	03/18/2005
Extraction:	SW3550	Date Extracte	03/29/2005
Extract Volume	1 mL	Date Analyzed	03/29/2005
Injection Volume :	1 µL	Dilution Factor	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
87-86-5	Pentachlorophenol	1400	U
85-01-8	Phenanthrene	130	J
108-95-2	Phenol	680	U
129-00-0	Pyrene	270	J
110-86-1	Pyridine	680	U
111-91-1	bis(2-chloroethoxy) methane	680	U
111-44-4	bis(2-chloroethyl) ether	680	U
117-81-7	bis(2-ethylhexyl) phthalate	430	J
84-74-2	di-n-Butyl Phthalate	680	U
117-84-0	di-n-Octyl Phthalate	680	U
621-64-7	n-Nitrosodi-n-Propylamine	680	U
62-75-9	n-Nitrosodimethylamine	680	U
86-30-6	n-Nitrosodiphenylamine	680	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SD-8-031805

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code	GPL	SAS NO. :	
Case No.		SDG NO :	503094
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	503094-002-010-1/1
Sample Volume :	30	Lab File ID :	T23339.D
% Moisture:	50.46	Date Received	03/18/2005
Extraction:	SW3550	Date Extracte	03/29/2005
Extract Volume	1 mL	Date Analyzed	03/29/2005
Injection Volume :	1 µL	Dilution Factor	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
120-82-1	1,2,4-Trichlorobenzene	670	U
95-50-1	1,2-Dichlorobenzene	670	U
122-66-7	1,2-Diphenylhydrazine	670	U
541-73-1	1,3-Dichlorobenzene	670	U
106-46-7	1,4-Dichlorobenzene	670	U
108-60-1	2,2-Oxybis(1-Chloropropane)	670	U
95-95-4	2,4,5-Trichlorophenol	670	U
88-06-2	2,4,6-Trichlorophenol	670	U
120-83-2	2,4-Dichlorophenol	670	U
105-67-9	2,4-Dimethylphenol	670	U
51-28-5	2,4-Dinitrophenol	1300	U
121-14-2	2,4-Dinitrotoluene	670	U
606-20-2	2,6-Dinitrotoluene	670	U
91-58-7	2-Chloronaphthalene	670	U
95-57-8	2-Chlorophenol	670	U
91-57-6	2-Methylnaphthalene	670	U
88-74-4	2-Nitroaniline	670	U
88-75-5	2-Nitrophenol	670	U
95-48-7	2-methylphenol	670	U
91-94-1	3,3-Dichlorobenzidine	1300	U
99-09-2	3-Nitroaniline	670	U
534-52-1	4,6-dinitro-2-methyl phenol	1300	U
101-55-3	4-Bromophenyl-phenylether	670	U
106-47-8	4-Chloroaniline	670	U
7005-72-3	4-Chlorophenyl Phenyl Ether	670	U
100-01-6	4-Nitroaniline	670	U
100-02-7	4-Nitrophenol	1300	U
59-50-7	4-chloro-3-methylphenol	670	U
106-44-5	4-methylphenol	670	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SD-8-031805

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code	GPL	SAS NO. :	
Case No.		SDG NO :	503094
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	503094-002-010-1/1
Sample Volume :	30	Lab File ID :	T23339.D
% Moisture:	50.46	Date Received	03/18/2005
Extraction:	SW3550	Date Extracte	03/29/2005
Extract Volume	1 mL	Date Analyzed	03/29/2005
Injection Volume :	1 µL	Dilution Factor	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
83-32-9	Acenaphthene	670	U
208-96-8	Acenaphthylene	63	J
62-53-3	Aniline (Phenylamine, Aminobenzene)	670	U
120-12-7	Anthracene	120	J
92-87-5	Benzidine	670	U
56-55-3	Benzo(a)anthracene	580	J
50-32-8	Benzo(a)pyrene	500	J
205-99-2	Benzo(b)fluoranthene	800	
191-24-2	Benzo(g,h,i)perylene	310	J
207-08-9	Benzo(k)fluoranthene	290	J
65-85-0	Benzoic Acid	1300	U
100-51-6	Benzyl Alcohol	670	U
85-68-7	Benzyl Butyl Phthalate	670	U
86-74-8	Carbazole	670	U
218-01-9	Chrysene	710	
53-70-3	Dibenz(a,h)Anthracene	670	U
132-64-9	Dibenzofuran	670	U
84-66-2	Diethyl Phthalate	670	U
131-11-3	Dimethyl Phthalate	670	U
206-44-0	Fluoranthene	1500	
86-73-7	Fluorene	670	U
118-74-1	Hexachlorobenzene	670	U
87-68-3	Hexachlorobutadiene	670	U
77-47-4	Hexachlorocyclopentadiene	670	U
67-72-1	Hexachloroethane	670	U
193-39-5	Indeno(1,2,3-c,d)Pyrene	280	J
78-59-1	Isophorone	670	U
91-20-3	Naphthalene	670	U
98-95-3	Nitrobenzene	670	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SD-8-031805

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code	GPL	SAS NO. :	
Case No.		SDG NO :	503094
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	503094-002-010-1/1
Sample Volume :	30	Lab File ID :	T23339.D
% Moisture:	50.46	Date Received	03/18/2005
Extraction:	SW3550	Date Extracte	03/29/2005
Extract Volume	1 mL	Date Analyzed	03/29/2005
Injection Volume :	1 µL	Dilution Factor	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
87-86-5	Pentachlorophenol	1300	U
85-01-8	Phenanthrene	410	J
108-95-2	Phenol	670	U
129-00-0	Pyrene	1100	
110-86-1	Pyridine	670	U
111-91-1	bis(2-chloroethoxy) methane	670	U
111-44-4	bis(2-chloroethyl) ether	670	U
117-81-7	bis(2-ethylhexyl) phthalate	180	J
84-74-2	di-n-Butyl Phthalate	670	U
117-84-0	di-n-Octyl Phthalate	670	U
621-64-7	n-Nitrosodi-n-Propylamine	670	U
62-75-9	n-Nitrosodimethylamine	670	U
86-30-6	n-Nitrosodiphenylamine	670	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SD-9-031805

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code	GPL	SAS NO. :	
Case No.		SDG NO :	503094
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	503094-003-011-1/1
Sample Volume :	30	Lab File ID :	T23334.D
% Moisture:	68.42	Date Received	03/18/2005
Extraction:	SW3550	Date Extracte	03/29/2005
Extract Volume	1 mL	Date Analyzed	03/29/2005
Injection Volume :	1 µL	Dilution Factor	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
120-82-1	1,2,4-Trichlorobenzene	1100	U
95-50-1	1,2-Dichlorobenzene	1100	U
122-66-7	1,2-Diphenylhydrazine	1100	U
541-73-1	1,3-Dichlorobenzene	1100	U
106-46-7	1,4-Dichlorobenzene	1100	U
108-60-1	2,2-Oxybis(1-Chloropropane)	1100	U
95-95-4	2,4,5-Trichlorophenol	1100	U
88-06-2	2,4,6-Trichlorophenol	1100	U
120-83-2	2,4-Dichlorophenol	1100	U
105-67-9	2,4-Dimethylphenol	1100	U
51-28-5	2,4-Dinitrophenol	2100	U
121-14-2	2,4-Dinitrotoluene	1100	U
606-20-2	2,6-Dinitrotoluene	1100	U
91-58-7	2-Chloronaphthalene	1100	U
95-57-8	2-Chlorophenol	1100	U
91-57-6	2-Methylnaphthalene	1100	U
88-74-4	2-Nitroaniline	1100	U
88-75-5	2-Nitrophenol	1100	U
95-48-7	2-methylphenol	1100	U
91-94-1	3,3-Dichlorobenzidine	2100	U
99-09-2	3-Nitroaniline	1100	U
534-52-1	4,6-dinitro-2-methyl phenol	2100	U
101-55-3	4-Bromophenyl-phenylether	1100	U
106-47-8	4-Chloroaniline	1100	U
7005-72-3	4-Chlorophenyl Phenyl Ether	1100	U
100-01-6	4-Nitroaniline	1100	U
100-02-7	4-Nitrophenol	2100	U
59-50-7	4-chloro-3-methylphenol	1100	U
106-44-5	4-methylphenol	1100	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SD-9-031805

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code	GPL	SAS NO. :	
Case No.		SDG NO :	503094
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	503094-003-011-1/1
Sample Volume :	30	Lab File ID :	T23334.D
% Moisture:	68.42	Date Received	03/18/2005
Extraction:	SW3550	Date Extracte	03/29/2005
Extract Volume	1 mL	Date Analyzed	03/29/2005
Injection Volume :	1 µL	Dilution Factor	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
83-32-9	Acenaphthene	1100	U
208-96-8	Acenaphthylene	1100	U
62-53-3	Aniline (Phenylamine, Aminobenzene)	1100	U
120-12-7	Anthracene	180	J
92-87-5	Benzidine	1100	U
56-55-3	Benzo(a)anthracene	790	J
50-32-8	Benzo(a)pyrene	810	J
205-99-2	Benzo(b)fluoranthene	1600	
191-24-2	Benzo(g,h,i)perylene	670	J
207-08-9	Benzo(k)fluoranthene	400	J
65-85-0	Benzoic Acid	2100	U
100-51-6	Benzyl Alcohol	1100	U
85-68-7	Benzyl Butyl Phthalate	1100	U
86-74-8	Carbazole	1100	U
218-01-9	Chrysene	1100	
53-70-3	Dibenz(a,h)Anthracene	160	J
132-64-9	Dibenzofuran	1100	U
84-66-2	Diethyl Phthalate	1100	U
131-11-3	Dimethyl Phthalate	1100	U
206-44-0	Fluoranthene	2300	
86-73-7	Fluorene	1100	U
118-74-1	Hexachlorobenzene	1100	U
87-68-3	Hexachlorobutadiene	1100	U
77-47-4	Hexachlorocyclopentadiene	1100	U
67-72-1	Hexachloroethane	1100	U
193-39-5	Indeno(1,2,3-c,d)Pyrene	560	J
78-59-1	Isophorone	1100	U
91-20-3	Naphthalene	1100	U
98-95-3	Nitrobenzene	1100	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SD-9-031805

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code	GPL	SAS NO. :	
Case No.		SDG NO :	503094
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	503094-003-011-1/1
Sample Volume :	30	Lab File ID :	T23334.D
% Moisture:	68.42	Date Received	03/18/2005
Extraction:	SW3550	Date Extracte	03/29/2005
Extract Volume	1 mL	Date Analyzed	03/29/2005
Injection Volume :	1 µL	Dilution Factor	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
87-86-5	Pentachlorophenol	2100	U
85-01-8	Phenanthrene	810	J
108-95-2	Phenol	1100	U
129-00-0	Pyrene	1700	
110-86-1	Pyridine	1100	U
111-91-1	bis(2-chloroethoxy) methane	1100	U
111-44-4	bis(2-chloroethyl) ether	1100	U
117-81-7	bis(2-ethylhexyl) phthalate	310	J
84-74-2	di-n-Butyl Phthalate	1100	U
117-84-0	di-n-Octyl Phthalate	1100	U
621-64-7	n-Nitrosodi-n-Propylamine	1100	U
62-75-9	n-Nitrosodimethylamine	1100	U
86-30-6	n-Nitrosodiphenylamine	1100	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SD-10-031805 DL

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	503094
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	503094-007-014-1/1
Sample Volume :	30	Lab File ID :	U018664.D
% Moisture:	65.4	Date Received	03/18/2005
Extraction:	SW3550	Date Extracted:	03/25/2005
Extract Volume:	10 mL	Date Analyzed	03/30/2005
Injection Volume :	1 µL	Dilution Factor :	2
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
12674-11-2	PCB-1016	190	U
11104-28-2	PCB-1221	190	U
11141-16-5	PCB-1232	190	U
53469-21-9	PCB-1242	190	U
12672-29-6	PCB-1248	190	U
11097-69-1	PCB-1254	190	U
11096-82-5	PCB-1260	1300	

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SD-11-031805 DL

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	503094
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	503094-008-015-1/1
Sample Volume :	30	Lab File ID :	U018665.D
% Moisture:	44.1	Date Received	03/18/2005
Extraction:	SW3550	Date Extracted:	03/25/2005
Extract Volume:	10 mL	Date Analyzed	03/30/2005
Injection Volume :	1 µL	Dilution Factor :	5
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
12674-11-2	PCB-1016	300	U
11104-28-2	PCB-1221	300	U
11141-16-5	PCB-1232	300	U
53469-21-9	PCB-1242	300	U
12672-29-6	PCB-1248	300	U
11097-69-1	PCB-1254	300	U
11096-82-5	PCB-1260	1400	

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SD-12-031805 DL

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	503094
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	503094-009-016-1/1
Sample Volume :	30	Lab File ID :	U018769.D
% Moisture:	69.81	Date Received	03/18/2005
Extraction:	SW3550	Date Extracted:	03/25/2005
Extract Volume:	10 mL	Date Analyzed	04/08/2005
Injection Volume :	1 µL	Dilution Factor :	2
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
12674-11-2	PCB-1016	220	U
11104-28-2	PCB-1221	220	U
11141-16-5	PCB-1232	220	U
53469-21-9	PCB-1242	220	U
12672-29-6	PCB-1248	220	U
11097-69-1	PCB-1254	220	U
11096-82-5	PCB-1260	1800	

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SD-2-031805

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	503094
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	503094-004-012-1/1
Sample Volume :	30	Lab File ID :	U018667.D
% Moisture:	58.55	Date Received	03/18/2005
Extraction:	SW3550	Date Extracted:	03/25/2005
Extract Volume:	10 mL	Date Analyzed	03/29/2005
Injection Volume :	1 µL	Dilution Factor :	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
12674-11-2	PCB-1016	80	U
11104-28-2	PCB-1221	80	U
11141-16-5	PCB-1232	80	U
53469-21-9	PCB-1242	80	U
12672-29-6	PCB-1248	80	U
11097-69-1	PCB-1254	80	U
11096-82-5	PCB-1260	160	

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SD-5-031805

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	503094
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	503094-006-013-1/1
Sample Volume :	30	Lab File ID :	U018663.D
% Moisture:	50.92	Date Received	03/18/2005
Extraction:	SW3550	Date Extracted:	03/25/2005
Extract Volume:	10 mL	Date Analyzed	03/30/2005
Injection Volume :	1 µL	Dilution Factor :	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
12674-11-2	PCB-1016	68	U
11104-28-2	PCB-1221	68	U
11141-16-5	PCB-1232	68	U
53469-21-9	PCB-1242	68	U
12672-29-6	PCB-1248	68	U
11097-69-1	PCB-1254	68	U
11096-82-5	PCB-1260	420	

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SD-6-031805

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	503094
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	503094-005-029-1/3
Sample Volume :	30	Lab File ID :	U018668.D
% Moisture:	57.52	Date Received	03/18/2005
Extraction:	SW3550	Date Extracted:	03/25/2005
Extract Volume:	10 mL	Date Analyzed	03/29/2005
Injection Volume :	1 µL	Dilution Factor :	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO.	COMPOUND		Q
12674-11-2	PCB-1016	79	U
11104-28-2	PCB-1221	79	U
11141-16-5	PCB-1232	79	U
53469-21-9	PCB-1242	79	U
12672-29-6	PCB-1248	79	U
11097-69-1	PCB-1254	79	U
11096-82-5	PCB-1260	540	

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

SAMPLE NO
SD-7-031805

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	503094
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	503094-001-009-1/1
Sample Volume :	30	Lab File ID :	U018664.D
% Moisture:	51.3	Date Received	03/18/2005
Extraction:	SW3550	Date Extracted:	03/25/2005
Extract Volume:	10 mL	Date Analyzed	03/29/2005
Injection Volume :	1 µL	Dilution Factor :	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
12674-11-2	PCB-1016	68	U
11104-28-2	PCB-1221	68	U
11141-16-5	PCB-1232	68	U
53469-21-9	PCB-1242	68	U
12672-29-6	PCB-1248	68	U
11097-69-1	PCB-1254	68	U
11096-82-5	PCB-1260	110	

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SD-8-031805

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	503094
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	503094-002-010-1/1
Sample Volume :	30	Lab File ID :	U018665.D
% Moisture:	50.46	Date Received	03/18/2005
Extraction:	SW3550	Date Extracted:	03/25/2005
Extract Volume:	10 mL	Date Analyzed	03/29/2005
Injection Volume :	1 µL	Dilution Factor :	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
12674-11-2	PCB-1016	67	U
11104-28-2	PCB-1221	67	U
11141-16-5	PCB-1232	67	U
53469-21-9	PCB-1242	67	U
12672-29-6	PCB-1248	67	U
11097-69-1	PCB-1254	67	U
11096-82-5	PCB-1260	370	

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SD-9-031805 DL

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	503094
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	503094-003-011-1/1
Sample Volume :	30	Lab File ID :	U018768.D
% Moisture:	68.42	Date Received	03/18/2005
Extraction:	SW3550	Date Extracted:	03/25/2005
Extract Volume:	10 mL	Date Analyzed	04/08/2005
Injection Volume :	1 µL	Dilution Factor :	100
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO.	COMPOUND		Q
12674-11-2	PCB-1016	11000	U
11104-28-2	PCB-1221	11000	U
11141-16-5	PCB-1232	11000	U
53469-21-9	PCB-1242	11000	U
12672-29-6	PCB-1248	11000	U
11097-69-1	PCB-1254	11000	U
11096-82-5	PCB-1260	54000	

Appendix C

Support Documentation

HOLDTIME

SDG 503094

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
HG	MG/KG	SD-9-031805	503094-003	NM	3/18/2005	3/24/2005	3/31/2005	6	7	13
HG	MG/KG	SD-11-031805	503094-008	NM	3/18/2005	3/24/2005	3/31/2005	6	7	13
HG	MG/KG	SD-12-031805	503094-009	NM	3/18/2005	3/24/2005	3/31/2005	6	7	13
HG	MG/KG	SD-2-031805	503094-004	NM	3/18/2005	3/24/2005	3/31/2005	6	7	13
HG	MG/KG	SD-5-031805	503094-006	NM	3/18/2005	3/24/2005	3/31/2005	6	7	13
HG	MG/KG	SD-6-031805	503094-005	NM	3/18/2005	3/24/2005	3/31/2005	6	7	13
HG	MG/KG	SD-7-031805	503094-001	NM	3/18/2005	3/24/2005	3/31/2005	6	7	13
HG	MG/KG	SD-10-031805	503094-007	NM	3/18/2005	3/24/2005	3/31/2005	6	7	13
HG	MG/KG	SD-8-031805	503094-002	NM	3/18/2005	3/24/2005	3/31/2005	6	7	13
M	MG/KG	SD-10-031805	503094-007	NM	3/18/2005	3/22/2005	3/28/2005	4	6	10
M	MG/KG	SD-2-031805	503094-004	NM	3/18/2005	3/22/2005	3/28/2005	4	6	10
M	MG/KG	SD-5-031805	503094-006	NM	3/18/2005	3/22/2005	3/28/2005	4	6	10
M	MG/KG	SD-6-031805	503094-005	NM	3/18/2005	3/22/2005	3/28/2005	4	6	10
M	MG/KG	SD-7-031805	503094-001	NM	3/18/2005	3/22/2005	3/28/2005	4	6	10
M	MG/KG	SD-8-031805	503094-002	NM	3/18/2005	3/22/2005	3/28/2005	4	6	10

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
M	MG/KG	SD-9-031805	503094-003	NM	3/18/2005	3/22/2005	3/28/2005	4	6	10
M	MG/KG	SD-11-031805	503094-008	NM	3/18/2005	3/22/2005	3/28/2005	4	6	10
M	MG/KG	SD-12-031805	503094-009	NM	3/18/2005	3/22/2005	3/28/2005	4	6	10
CR6	MG/KG	SD-8-031805	503094-002	NM	3/18/2005	4/3/2005	4/3/2005	16	0	16
CR6	MG/KG	SD-7-031805	503094-001	NM	3/18/2005	4/3/2005	4/3/2005	16	0	16
CR6	MG/KG	SD-6-031805	503094-005	NM	3/18/2005	4/3/2005	4/3/2005	16	0	16
CR6	MG/KG	SD-5-031805	503094-006	NM	3/18/2005	4/3/2005	4/3/2005	16	0	16
CR6	MG/KG	SD-2-031805	503094-004	NM	3/18/2005	4/3/2005	4/3/2005	16	0	16
CR6	MG/KG	SD-12-031805	503094-009	NM	3/18/2005	4/3/2005	4/3/2005	16	0	16
CR6	MG/KG	SD-11-031805	503094-008	NM	3/18/2005	4/3/2005	4/3/2005	16	0	16
CR6	MG/KG	SD-10-031805	503094-007	NM	3/18/2005	4/3/2005	4/3/2005	16	0	16
CR6	MG/KG	SD-9-031805	503094-003	NM	3/18/2005	4/3/2005	4/3/2005	16	0	16
PCS	%	SD-11-031805	503094-008	NM	3/18/2005	3/23/2005	3/23/2005	5	0	5
PCS	%	SD-7-031805	503094-001	NM	3/18/2005	3/23/2005	3/23/2005	5	0	5
PCS	%	SD-6-031805	503094-005	NM	3/18/2005	3/23/2005	3/23/2005	5	0	5
PCS	%	SD-5-031805	503094-006	NM	3/18/2005	3/23/2005	3/23/2005	5	0	5
PCS	%	SD-2-031805	503094-004	NM	3/18/2005	3/23/2005	3/23/2005	5	0	5
PCS	%	SD-9-031805	503094-003	NM	3/18/2005	3/23/2005	3/23/2005	5	0	5

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
PCS	%	SD-8-031805	503094-002	NM	3/18/2005	3/23/2005	3/23/2005	5	0	5
PCS	%	SD-10-031805	503094-007	NM	3/18/2005	3/23/2005	3/23/2005	5	0	5
PCS	%	SD-12-031805	503094-009	NM	3/18/2005	3/23/2005	3/23/2005	5	0	5
OS	%	SD-6-031805	503094-005	NM	3/18/2005	3/29/2005	3/29/2005	11	0	11
OS	%	SD-9-031805	503094-003	NM	3/18/2005	3/29/2005	3/29/2005	11	0	11
OS	%	SD-8-031805	503094-002	NM	3/18/2005	3/29/2005	3/29/2005	11	0	11
OS	%	SD-7-031805	503094-001	NM	3/18/2005	3/29/2005	3/29/2005	11	0	11
OS	%	SD-5-031805	503094-006	NM	3/18/2005	3/29/2005	3/29/2005	11	0	11
OS	%	SD-2-031805	503094-004	NM	3/18/2005	3/29/2005	3/29/2005	11	0	11
OS	%	SD-12-031805	503094-009	NM	3/18/2005	3/29/2005	3/30/2005	11	1	12
OS	%	SD-10-031805	503094-007	NM	3/18/2005	3/29/2005	3/30/2005	11	1	12
OS	%	SD-11-031805	503094-008	NM	3/18/2005	3/29/2005	3/29/2005	11	0	11
OS	UG/KG	SD-10-031805	503094-007	NM	3/18/2005	3/29/2005	3/30/2005	11	1	12
OS	UG/KG	SD-12-031805	503094-009	NM	3/18/2005	3/29/2005	3/30/2005	11	1	12
OS	UG/KG	SD-11-031805	503094-008	NM	3/18/2005	3/29/2005	3/29/2005	11	0	11
OS	UG/KG	SD-9-031805	503094-003	NM	3/18/2005	3/29/2005	3/29/2005	11	0	11
OS	UG/KG	SD-8-031805	503094-002	NM	3/18/2005	3/29/2005	3/29/2005	11	0	11
OS	UG/KG	SD-7-031805	503094-001	NM	3/18/2005	3/29/2005	3/29/2005	11	0	11

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
OS	UG/KG	SD-6-031805	503094-005	NM	3/18/2005	3/29/2005	3/29/2005	11	0	11
OS	UG/KG	SD-5-031805	503094-006	NM	3/18/2005	3/29/2005	3/29/2005	11	0	11
OS	UG/KG	SD-2-031805	503094-004	NM	3/18/2005	3/29/2005	3/29/2005	11	0	11
OV	%	SD-12-031805	503094-009	NM	3/18/2005	3/29/2005	3/29/2005	11	0	11
OV	%	SD-2-031805	503094-004	NM	3/18/2005	3/29/2005	3/29/2005	11	0	11
OV	%	SD-5-031805	503094-006	NM	3/18/2005	3/29/2005	3/29/2005	11	0	11
OV	%	SD-6-031805	503094-005	NM	3/18/2005	3/29/2005	3/29/2005	11	0	11
OV	%	SD-7-031805	503094-001	NM	3/18/2005	3/29/2005	3/29/2005	11	0	11
OV	%	SD-8-031805	503094-002	NM	3/18/2005	3/29/2005	3/29/2005	11	0	11
OV	%	SD-9-031805	503094-003	NM	3/18/2005	3/29/2005	3/29/2005	11	0	11
OV	%	TB-031805	503094-010	NM	3/18/2005	3/25/2005	3/25/2005	7	0	7
OV	%	SD-10-031805	503094-007	NM	3/18/2005	3/29/2005	3/29/2005	11	0	11
OV	%	SD-11-031805	503094-008	NM	3/18/2005	3/29/2005	3/29/2005	11	0	11
OV	UG/KG	SD-12-031805	503094-009	NM	3/18/2005	3/29/2005	3/29/2005	11	0	11
OV	UG/KG	SD-9-031805	503094-003	NM	3/18/2005	3/29/2005	3/29/2005	11	0	11
OV	UG/KG	SD-8-031805	503094-002	NM	3/18/2005	3/29/2005	3/29/2005	11	0	11
OV	UG/KG	SD-7-031805	503094-001	NM	3/18/2005	3/29/2005	3/29/2005	11	0	11
OV	UG/KG	SD-6-031805	503094-005	NM	3/18/2005	3/29/2005	3/29/2005	11	0	11

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
OV	UG/KG	SD-2-031805	503094-004	NM	3/18/2005	3/29/2005	3/29/2005	11	0	11
OV	UG/KG	SD-11-031805	503094-008	NM	3/18/2005	3/29/2005	3/29/2005	11	0	11
OV	UG/KG	SD-10-031805	503094-007	NM	3/18/2005	3/29/2005	3/29/2005	11	0	11
OV	UG/KG	SD-5-031805	503094-006	NM	3/18/2005	3/29/2005	3/29/2005	11	0	11
OV	UG/L	TB-031805	503094-010	NM	3/18/2005	3/25/2005	3/25/2005	7	0	7
PCB	%	SD-6-031805	503094-005	NM	3/18/2005	3/25/2005	3/29/2005	7	4	11
PCB	%	SD-9-031805	503094-003DL	NM	3/18/2005	3/25/2005	4/8/2005	7	14	21
PCB	%	SD-8-031805	503094-002	NM	3/18/2005	3/25/2005	3/29/2005	7	4	11
PCB	%	SD-7-031805	503094-001	NM	3/18/2005	3/25/2005	3/29/2005	7	4	11
PCB	%	SD-5-031805	503094-006	NM	3/18/2005	3/25/2005	3/30/2005	7	5	12
PCB	%	SD-2-031805	503094-004	NM	3/18/2005	3/25/2005	3/29/2005	7	4	11
PCB	%	SD-12-031805	503094-009DL	NM	3/18/2005	3/25/2005	4/8/2005	7	14	21
PCB	%	SD-10-031805	503094-007DL	NM	3/18/2005	3/25/2005	3/30/2005	7	5	12
PCB	%	SD-11-031805	503094-008DL	NM	3/18/2005	3/25/2005	3/30/2005	7	5	12
PCB	UG/KG	SD-10-031805	503094-007DL	NM	3/18/2005	3/25/2005	3/30/2005	7	5	12
PCB	UG/KG	SD-11-031805	503094-008DL	NM	3/18/2005	3/25/2005	3/30/2005	7	5	12
PCB	UG/KG	SD-12-031805	503094-009DL	NM	3/18/2005	3/25/2005	4/8/2005	7	14	21
PCB	UG/KG	SD-2-031805	503094-004	NM	3/18/2005	3/25/2005	3/29/2005	7	4	11

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
PCB	UG/KG	SD-5-031805	503094-006	NM	3/18/2005	3/25/2005	3/30/2005	7	5	12
PCB	UG/KG	SD-6-031805	503094-005	NM	3/18/2005	3/25/2005	3/29/2005	7	4	11
PCB	UG/KG	SD-7-031805	503094-001	NM	3/18/2005	3/25/2005	3/29/2005	7	4	11
PCB	UG/KG	SD-8-031805	503094-002	NM	3/18/2005	3/25/2005	3/29/2005	7	4	11
PCB	UG/KG	SD-9-031805	503094-003DL	NM	3/18/2005	3/25/2005	4/8/2005	7	14	21

Analytical Report For 503094

for

Tetra Tech NUS

Project Manager: Michael Martin

Project Name: Middle River

GPL

Laboratories

GPL Laboratories, LLLP certifies that the test results meet all requirements of the NELAC Standards unless otherwise noted

Reviewed By,
Project Manager

Approved By,
Laboratory Director

The Case Narrative, Chain of Custody, Sample Receipt Checklist, and the cover page of the Sample Analysis Report, are integral parts of GPL Laboratories' report package. If you did not receive all of these documents, please contact GPL immediately.

Sample Receipt

Nine soil and one water samples were received on 03/18/2005. The samples were delivered by GPL courier. Sample receipt conditions and temperatures are documented on the Sample Receipt checklist.

Sample Analysis

Samples were prepared and analyzed by GPL using the analytical methodologies indicated on the Sample Analysis Summary Report. In some chromatographic analyses, manual integration is used instead of automated integration because it produces more accurate results. All manual integrations are denoted on the sample quantitation report. Analysis results and limits for soil are reported on a dry weight basis unless otherwise specified on the report.

Volatiles

One water and nine soil samples were analyzed for volatile organic compounds using SW846 method 8260B. Analyses of the samples were performed within holding time.

All surrogate recoveries were within QC limits.

Matrix spike and matrix spike duplicate analyses were performed on sample SD-5-031805. Several recoveries were below QC limits.

Two laboratory control spikes (LCS) were analyzed along with the sample batch. All recoveries were within QC limits.

Manual integration was performed on some peaks that were improperly integrated by the software. The manually integrated compounds are designated by an "m" next to the area of the quantitation report, and chromatograms for these compounds were submitted.

Semivolatiles

Nine soil samples were extracted using method 3550B. The samples were analyzed for semi-volatile organic compounds using method 8270C.

All surrogate recoveries were within QC limits.

Matrix spike and duplicate analysis was performed on sample SD-6-031805. All matrix spike recoveries were within QC limits. A laboratory control sample was also extracted and analyzed with this batch. All spike recoveries were within QC limits.

The continuing calibration analyzed on 3/30/05 showed a %D for n-nitrosodiphenylamine at -22.3, Pentachlorophenol at -22.5, and Di-n-octylphthalate at -44.0. No reanalysis was necessary as the responses for these compounds were above that of the initial calibration and since none were detected in any of the samples analyzed that day.

Extraction and analysis holding times were met.

PCBs

Nine soil samples were extracted and analyzed for PCB compounds using method 8082A.

Matrix spike and matrix spike duplicate analyses for soil were performed on sample SD-6-031805. PCB -1016 on both and PCB-1260 on MS were outside QC limits due to matrix effect. RPD for both was outside QC limits.

A laboratory control sample was extracted and analyzed along with the soil samples. Recoveries were within control limits.

Samples SD-10-031805, SD-11-031805, SD-12-031805 and SD-9-031805 were diluted at different levels to meet QC limits.

DCB surrogates recoveries for diluted samples was outside QC limits.

All other analyses met QC criteria.

Metals

Nine soil samples were analyzed for PP metals by EPA SW846 methods.

A matrix spike and duplicate were performed on sample SD-6-031805 for all required analytes. A serial dilution was also performed for ICP analytes. The matrix spike was outside of the control limits for antimony and cadmium. A post digestion analytical spike was performed with a recovery 91.0% for cadmium. The duplicate was outside of the control limits for mercury. The serial dilution was outside of the control limit for beryllium.

Calibration standards are verified against independent check standards purchased from a commercial vendor of environmental standards.

All GPL QA/QC criteria were met with the exceptions of those mentioned above.

General Chemistry

Nine soil samples were digested by SW846 method 3060A and were analyzed for Hexavalent Chromium by method 7196A.

Duplicate and matrix spike analyses were performed on sample SD-6-031805.

A laboratory control sample was digested and analyzed along with the batch.

All QC criteria were met.

Reviewed By,
Project Manager

Approved By,
Laboratory Director

Surrogate Recovery Summary

Matrix : WATER **Analytical Method : SW8260B** **SDG No : 503094**

Surrogate	BR4FBZ	BZMED8	DCA12D4	DCBZ12D4
Lower QC Limits	59	81	68	62
Upper QC Limits	143	117	128	142
Sample ID				
BKS74659	106	97	94	110
BLK74659	99	85	88	106
TB-031805	86	83	93	90

003

* Value outside of QC Limts

BR4FBZ = 4-Bromofluorobenzene BZMED8 = Toluene-D8 DCA12D4 = 1,2-Dichloroethane-d4 DCBZ12D4 = 1,2-Dichlorobenzene-d4

Surrogate Recovery Summary

Matrix : SOIL **Analytical Method : SW8260B** **SDG No : 503094**

Surrogate	BR4FBZ	BZMED8	DCA12D4	DCBZ12D4
Lower QC Limits	**76**	**76**	**64**	**74**
Upper QC Limits	**116**	**120**	**120**	**122**
Sample ID				
BKS74660	100	95	96	103
BLK74660	92	91	101	97
SD-10-031805	86	80	98	97
SD-11-031805	89	83	100	101
SD-12-031805	87	83	105	101
SD-2-031805	91	86	107	104
SD-5-031805	89	85	100	99
SD-6-031805	100	95	115	118
SD-6-031805MS	96	91	98	98
SD-6-031805MSD	103	99	103	106
SD-7-031805	88	87	103	101
SD-8-031805	100	93	118	120
SD-9-031805	93	86	109	105

004

* Value outside of QC Limts

BR4FBZ = 4-Bromofluorobenzene BZMED8 = Toluene-D8 DCA12D4 = 1,2-Dichloroethane-d4 DCBZ12D4 = 1,2-Dichlorobenzene-d4

GPL Laboratories

MS/MSD RECOVERY

SAMPLE NO
SD-6-031805MSD

Lab Name : GPL Laboratories SDG NO : 503094 Method : SW8260B

Lab Code : GPL Lab Sample ID : 503094-005-025-1/3MSD Matrix : SOIL Analysis Date : 03/29/2005

Compound	Spike Added (ug/kg)		CONCENTRATION (ug/kg)			%RECOVERY		% RPD	RPD Limit	QC Limits
	MS	MSD	Sample	MS	MSD	MS	MSD			
1,1,1-Trichloroethane	120	120	0	77	78	64 *	65 *	2	20	67-141
1,1-Dichloroethene	120	120	0	82	87	68	73	7	25	65-133
1,2-Dichloroethane	120	120	0	66	66	55 *	55 *	0	20	71-139
4-Methyl-2-Pentanone	120	120	0	57	57	48 *	48 *	0	25	51-148
Benzene	120	120	0	70	70	58 *	58 *	0	25	82-121
Bromodichloromethane	120	120	0	43	45	36 *	38 *	5	20	78-137
Bromoform	120	120	0	26	26	22 *	22 *	0	20	65-159
Carbon Tetrachloride	120	120	0	71	73	59 *	61 *	3	20	62-151
Chlorobenzene	120	120	0	52	51	43 *	43 *	0	25	73-127
Chloroform	120	120	0	79	78	66 *	65 *	2	30	72-136
Dibromochloromethane	120	120	0	33	35	28 *	29 *	4	20	70-143
Toluene	120	120	0	60	61	50 *	51 *	2	25	73-127
Trichloroethene	120	120	0	57	59	48 *	49 *	2	25	72-116
Vinyl Chloride	120	120	0	100	100	83	83	0	30	65-129

005

Column to be used to flag recovery and RPD Values with an asterisk.

* Values Outside of QC Limits.

RPD 0 Out of 14 Outside Limit
Spike Recovery : 24 Out of 28 outside limit

GPL Laboratories

LCS SUMMARY

SAMPLE NO
BKS74659

Lab Name : GPL Laboratories
Lab Code : GPL
Matrix : WATER
Method : SW8260B

Contract. : Middle River
SDG NO : 503094
Lab Sample ID : BKS74659
Analysis Date : 03/25/2005

COMPOUND	SPIKE ADDED (ug/L)	BLANK CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMTS
1,1,1-Trichloroethane	50	0	50	100	73-145
1,1-Dichloroethene	50	0	50	100	60-168
1,2-Dichloroethane	50	0	47	94	72-144
4-Methyl-2-Pentanone	50	0	40	80	67-137
Benzene	50	0	49	98	81-129
Bromodichloromethane	50	0	51	102	78-138
Bromoform	50	0	52	104	75-151
Carbon Tetrachloride	50	0	59	118	70-162
Chlorobenzene	50	0	50	100	91-119
Chloroform	50	0	50	100	81-133
Dibromochloromethane	50	0	53	106	79-139
Toluene	50	0	50	100	84-120
Trichloroethene	50	0	46	92	75-123
Vinyl Chloride	50	0	50	100	54-120

* Values Outside of QC Limits.

Spike recovery : 0 out of 14 outside limits

GPL Laboratories

LCS SUMMARY

SAMPLE NO
BKS74660

Lab Name : GPL Laboratories
Lab Code : GPL
Matrix : SOIL
Method : SW8260B

Contract. : Middle River
SDG NO : 503094
Lab Sample ID : BKS74660
Analysis Date : 03/29/2005

COMPOUND	SPIKE ADDED (ug/kg)	BLANK CONCENTRATION (ug/kg)	LCS CONCENTRATION (ug/kg)	LCS % REC	QC LIMTS
1,1,1-Trichloroethane	50	0	53	106	67-141
1,1-Dichloroethene	50	0	52	104	65-133
1,2-Dichloroethane	50	0	48	96	71-139
4-Methyl-2-Pentanone	50	0	46	92	51-148
Benzene	50	0	49	98	82-121
Bromodichloromethane	50	0	53	106	78-137
Bromoform	50	0	57	114	65-159
Carbon Tetrachloride	50	0	63	126	62-151
Chlorobenzene	50	0	53	106	73-127
Chloroform	50	0	52	104	72-136
Dibromochloromethane	50	0	57	114	70-143
Toluene	50	0	51	102	73-127
Trichloroethene	50	0	47	94	72-116
Vinyl Chloride	50	0	55	110	65-129

* Values Outside of QC Limits.

Spike recovery : 0 out of 14 outside limits

GPL Laboratories

GPL
FORM 4
VOLATILE METHOD BLANK SUMMARY

SAMPLE NO
BLK74659

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	503094
Lab File ID :	S006430.D	SDG NO :	503094
Date Analyzed	03/25/2005	Lab Sample ID :	BLK74659
GC Column :	RTX_502.2 ID. 0.18	Time Analyzed :	08:52

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

Client Sample ID	Lab Sample ID	Lab File ID	Time Analyzed
BKS74659	BKS74659	S006431.D	09:22
TB-031805	503094-010-028-1/1	S006433.D	10:18

GPL Laboratories

GPL
FORM 4
VOLATILE METHOD BLANK SUMMARY

SAMPLE NO
BLK74660

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	503094
Lab File ID :	S006490.D	SDG NO :	503094
Date Analyzed	03/29/2005	Lab Sample ID :	BLK74660
GC Column :	RTX_502.2 ID. 0.18	Time Analyzed :	10:33

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

Client Sample ID	Lab Sample ID	Lab File ID	Time Analyzed
BKS74660	BKS74660	S006491.D	11:01
SD-10-031805	503094-007-006-1/1	S006508.D	19:04
SD-11-031805	503094-008-007-1/1	S006509.D	19:32
SD-12-031805	503094-009-008-1/1	S006510.D	20:00
SD-2-031805	503094-004-004-1/1	S006503.D	16:39
SD-5-031805	503094-006-005-1/1	S006507.D	18:36
SD-6-031805	503094-005-025-1/3	S006504.D	17:09
SD-6-031805MS	503094-005-025-1/3MS	S006505.D	17:39
SD-6-031805MSD	503094-005-025-1/3MSD	S006506.D	18:06
SD-7-031805	503094-001-001-1/1	S006500.D	15:16
SD-8-031805	503094-002-002-1/1	S006501.D	15:44
SD-9-031805	503094-003-003-1/1	S006502.D	16:12

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
BLK74660

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	503094
Case No. :		SDG NO :	503094
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	BLK74660
Sample Volume :	5	Lab File ID :	S006490.D
Level :	Low	Date Received	
% Moisture: not dec		Date Analyzed	03/29/2005
GC Column :	RTX_502.2 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
71-55-6	1,1,1-Trichloroethane	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
78-93-3	2-Butanone	10	U
591-78-6	2-Hexanone	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
67-64-1	Acetone	10	U
71-43-2	Benzene	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	10	U
75-15-0	Carbon Disulfide	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	10	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	10	U
110-82-7	Cyclohexane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
BLK74660

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	503094
Case No. :		SDG NO :	503094
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	BLK74660
Sample Volume :	5	Lab File ID :	S006490.D
Level :	Low	Date Received	
% Moisture: not dec		Date Analyzed	03/29/2005
GC Column :	RTX_502.2 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
100-41-4	Ethylbenzene	5.0	U
106-93-4	Ethylene Dibromide	5.0	U
76-13-1	Freon 113	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl Acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene Chloride	10	U
100-42-5	Styrene	5.0	U
127-18-4	Tetrachloroethylene	5.0	U
108-88-3	Toluene	5.0	U
79-01-6	Trichloroethene	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-01-4	Vinyl Chloride	10	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
136777-61-2	m,p-Xylenes	5.0	U
95-47-6	o-Xylene	5.0	U
1634-04-4	tert-butyl methyl ether	5.0	U
156-60-5	trans-1,2-dichloroethene	5.0	U
10061-02-6	trans-1,3-dichloropropene	5.0	U

5A-8260

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: GPL LABORATORIES,LLLP Contract:

Lab Code: GPL Case No.: SAS No.: SDG No.:

Lab File ID: S006019.D BFB Injection Date: 03/08/05

Instrument ID: HP#S BFB Injection Time: 09:35

GC Column: RTX_502.2 ID: 0.18 (mm) Heated Purge: (Y/N) Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.8
75	30.0 - 60.0% of mass 95	55.9
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.2
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	>50% of mass 95	73.1
175	5.0 - 9.0% of mass 174	5.5 (7.5)1
176	95.0 - 101.0% of mass 174	71.6 (97.9)1
177	5.0 - 9.0% of mass 176	4.6 (6.4)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	ICV005	ICV005	S006021.D	03/08/05	10:31
02	ICV010	ICV010	S006022.D	03/08/05	11:04
03	ICV020	ICV020	S006023.D	03/08/05	11:33
04	ICV050	ICV050	S006024.D	03/08/05	12:00
05	ICV100	ICV100	S006025.D	03/08/05	12:29
06	ICV200	ICV200	S006026.D	03/08/05	12:56
07	ICV050 REF	ICV050 REF	S006028.D	03/08/05	14:27

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: GPL LABORATORIES,LLLP Contract:

Lab Code: GPL Case No.: SAS No.: SDG No.:

Instrument ID: HP#S Calibration Date(s): 03/08/05 03/08/05

Heated Purge (Y/N): Y Calibration Times: 10:31 12:56

GC Column: RTX_502.2 ID: 0.18 (mm)

LAB FILE ID: RRF005 = S006021.D RRF010 = S006022.D RRF200 = S006026.D
RRF020 = S006023.D RRF050 = S006024.D RRF100 = S006025.D

COMPOUND		RRF005	RRF010	RRF020	RRF050	RRF100	RRF200	$\overline{RRF}$	% RSD	
Dichlorodifluoromethane		0.577	0.485	0.473	0.498	0.489	0.420	0.490	10.3	
Chloromethane	*	0.926	0.844	0.786	0.821	0.780	0.610	0.795	13.1	*
Vinyl chloride	*	1.052	0.992	0.976	0.999	0.963	0.742	0.954	11.3	*
Bromomethane			0.169	0.189	0.279	0.312	0.328	0.255	28.3	OK
Chloroethane		0.471	0.422	0.396	0.433	0.454	0.429	0.434	6.0	
Trichlorofluoromethane		0.940	0.851	0.801	0.836	0.847	0.803	0.846	6.0	
1,1-Dichloroethene	*	0.495	0.457	0.430	0.448	0.451	0.445	0.454	4.9	*
Methylene chloride		0.622	0.546	0.500	0.527	0.497	0.473	0.528	10.0	
Iodomethane			0.094	0.154	0.268	0.313	0.344	0.235	45.4	OK
Trans-1,2-dichloroethene		0.516	0.458	0.437	0.454	0.450	0.429	0.457	6.7	
1,1-Dichloroethane	*	0.959	0.840	0.793	0.839	0.815	0.760	0.834	8.2	*
Acetone			0.429	0.320	0.298	0.206	0.187	0.288	33.8	
Acrolein		0.084	0.096	0.082	0.102	0.089	0.089	0.090	8.1	
Acrylonitrile		0.210	0.227	0.190	0.224	0.188	0.181	0.203	9.6	
Acetonitrile		0.103	0.098	0.090	0.103	0.088	0.081	0.094	9.7	
MTBE		0.997	1.152	0.996	1.205	1.185	1.242	1.129	9.5	
Carbon disulfide		1.938	1.473	1.314	1.222	1.222	1.157	1.388	21.0	
Chloroprene		0.096	0.129	0.145	0.184	0.203	0.206	0.161	27.6	
Propionitrile		0.075	0.071	0.064	0.076	0.062	0.059	0.068	10.6	
Allyl Chloride		1.071	0.954	0.904	0.944	0.935	0.901	0.951	6.5	
2,2-Dichloropropane		0.237	0.272	0.286	0.426	0.472	0.499	0.365	31.0	OK
Cis-1,2-dichloroethene		0.456	0.404	0.392	0.428	0.428	0.409	0.419	5.4	
1,2-dichloroethene (total)		0.486	0.431	0.414	0.441	0.439	0.419	0.438	5.8	
Bromochloromethane		0.152	0.148	0.146	0.169	0.163	0.156	0.155	5.8	
Chloroform	*	0.846	0.755	0.692	0.731	0.718	0.670	0.735	8.4	*
Methacrylonitrile		0.422	0.406	0.375	0.434	0.371	0.306	0.386	12.0	
1,1,1-Trichloroethane		0.657	0.605	0.582	0.628	0.648	0.616	0.622	4.5	
Carbon tetrachloride		0.344	0.350	0.358	0.436	0.467	0.460	0.403	14.4	
Methyl Methacrylate		0.503	0.500	0.520	0.675	0.641	0.620	0.577	13.5	
1,4-Dioxane		0.003	0.004	0.004	0.005	0.005	0.005	0.004	23.9	
Ethyl Methacrylate		0.470	0.471	0.468	0.597	0.557	0.522	0.514	10.5	
Isobutyl Alcohol		0.025	0.027	0.026	0.031	0.028	0.026	0.027	8.3	
2-Butanone		0.314	0.309	0.286	0.341	0.279	0.269	0.299	8.9	
1,1-Dichloropropene		0.888	0.775	0.776	0.807	0.834	0.792	0.812	5.3	
Vinyl Acetate		0.954	0.897	0.859	1.048	0.969	0.944	0.945	6.8	
2-Chloroethylvinyl ether		0.150	0.140	0.134	0.148	0.146	0.140	0.143	4.2	
Benzene		2.571	2.282	2.211	2.322	2.334	2.245	2.327	5.5	
1,2-Dichloroethane		0.806	0.761	0.692	0.767	0.715	0.663	0.734	7.2	
Trichloroethene		0.615	0.491	0.477	0.507	0.521	0.506	0.519	9.4	

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: GPL LABORATORIES,LLLP Contract:

Lab Code: GPL Case No.: SAS No.: SDG No.:

Instrument ID: HP#S Calibration Date(s): 03/08/05 03/08/05

Heated Purge (Y/N): Y Calibration Times: 10:31 12:56

GC Column: RTX_502.2 ID: 0.18 (mm)

LAB FILE ID: RRF005 = S006021.D RRF010 = S006022.D RRF200 = S006026.D

RRF020 = S006023.D RRF050 = S006024.D RRF100 = S006025.D

COMPOUND		RRF005	RRF010	RRF020	RRF050	RRF100	RRF200	RRF	% RSD	
1,2-Dichloropropane	*	0.599	0.560	0.537	0.593	0.584	0.558	0.572	4.2	*
Dibromomethane		0.280	0.258	0.245	0.282	0.258	0.242	0.261	6.6	
Bromodichloromethane		0.614	0.597	0.576	0.668	0.664	0.638	0.626	5.9	
Cis-1,3-dichloropropene		0.684	0.689	0.666	0.793	0.790	0.767	0.732	7.9	
Toluene	*	1.530	1.383	1.328	1.450	1.516	1.504	1.452	5.6	*
Trans-1,3-dichloropropene		0.566	0.590	0.571	0.772	0.740	0.726	0.661	14.3	
1,1,2-Trichloroethane		0.387	0.360	0.337	0.388	0.367	0.349	0.365	5.6	
1-Chlorohexane		0.706	0.643	0.647	0.701	0.727	0.691	0.686	4.9	
4-Methyl-2-pentanone		2.218	2.410	2.365	2.701	2.355	2.182	2.372	7.8	
2-Hexanone		1.521	1.624	1.614	2.046	1.733	1.599	1.690	11.1	
Tetrachloroethene		2.098	1.813	1.826	1.897	1.913	1.942	1.915	5.4	
1,3-Dichloropropane		3.083	2.874	2.660	3.083	2.860	2.669	2.871	6.5	
Dibromochloromethane		1.235	1.210	1.212	1.496	1.471	1.427	1.342	10.2	
1,2-Dibromoethane		1.334	1.264	1.199	1.471	1.347	1.295	1.318	7.0	
Chlorobenzene	*	5.757	5.119	4.940	5.258	5.538	5.615	5.371	5.9	*
1,1,1,2-Tetrachloroethane		1.926	1.743	1.709	1.858	1.981	2.065	1.880	7.3	
Ethylbenzene	*	10.931	9.868	9.610	10.327	11.170	11.588	10.582	7.3	*
m,p-xylene		4.081	3.637	3.550	3.841	4.145	4.313	3.928	7.7	
o-xylene		3.791	3.439	3.451	3.779	3.920	3.819	3.700	5.5	
Styrene		5.989	5.559	5.538	6.216	6.452	6.291	6.007	6.4	
Bromoform	*	0.979	0.994	0.962	1.151	1.099	1.047	1.039	7.2	*
Isopropylbenzene		9.208	8.481	8.725	9.516	10.166	9.977	9.346	7.2	
Bromobenzene		2.294	2.087	2.008	2.212	2.186	2.090	2.146	4.8	
1,1,2,2-Tetrachloroethane	*	2.402	2.333	2.199	2.483	2.196	2.037	2.275	7.1	*
1,2,3-Trichloropropane		0.692	0.721	0.651	0.773	0.669	0.617	0.687	8.0	
N-propylbenzene		12.464	11.563	11.598	12.428	12.813	12.296	12.194	4.1	
2-Chlorotoluene		7.880	7.110	7.001	7.453	7.511	6.986	7.324	4.8	
4-Chlorotoluene		7.727	7.055	6.995	7.436	7.635	7.353	7.367	4.0	
1,3,5-Trimethylbenzene		7.892	7.440	7.561	8.169	8.496	8.259	7.970	5.2	
Tert-butylbenzene		7.376	7.125	7.272	8.076	8.410	8.181	7.740	7.0	
1,2,4-Trimethylbenzene		8.302	7.867	7.879	8.488	8.745	8.516	8.300	4.3	
Sec-butylbenzene		10.674	10.171	10.239	11.160	11.644	11.374	10.877	5.6	
Trans-1,4-Dichloro-2-butene		0.856	0.846	0.860	0.987	0.863	0.787	0.866	7.6	
Pentachloroethane		1.314	1.275	1.272	1.374	1.445	1.357	1.339	5.0	
1,3-Dichlorobenzene		4.850	4.400	4.309	4.661	4.697	4.530	4.575	4.4	
4-Isopropyltoluene		9.539	8.843	8.970	9.690	10.138	10.136	9.553	5.8	
1,4-Dichlorobenzene		5.294	4.719	4.610	4.931	4.938	4.799	4.882	4.9	
1,2-Dichlorobenzene		4.521	4.076	4.077	4.431	4.382	4.311	4.299	4.3	
n-Butylbenzene		9.095	8.762	8.696	9.507	9.847	9.535	9.240	5.0	

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: GPL LABORATORIES,LLLP Contract: _____

Lab Code: GPL Case No.: _____ SAS No.: _____ SDG No.: _____

Instrument ID: HP#S Calibration Date(s): 03/08/05 03/08/05

Heated Purge (Y/N): Y Calibration Times: 10:31 12:56

GC Column: RTX_502.2 ID: 0.18 (mm)

LAB FILE ID: RRF005 = S006021.D RRF010 = S006022.D RRF200 = S006026.D

RRF020 = S006023.D RRF050 = S006024.D RRF100 = S006025.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF200	$\overline{RRF}$	% RSD
1,2-Dibromo-3-chloropropane	0.386	0.463	0.431	0.535	0.467	0.439	0.453	10.9
1,2,4-Trichlorobenzene	2.860	2.783	2.800	3.045	3.108	3.045	2.940	4.8
Hexachlorobutadiene	1.749	1.609	1.575	1.718	1.748	1.747	1.691	4.6
Naphthalene	5.569	6.003	6.245	7.338	6.951	6.695	6.467	10.1
1,2,3-Trichlorobenzene	2.738	2.688	2.708	2.958	2.914	2.830	2.806	4.0
Xylene (Total)	3.984	3.571	3.517	3.820	4.069	4.150	3.852	6.8
n-Butanol	0.036	0.037	0.039	0.040	0.042	0.043	0.039	6.7
Tert-Butyl alcohol	0.036	0.041	0.041	0.051	0.042	0.047	0.043	12.4
Isopropyl Ether	1.730	1.710	1.767	1.805	1.758	1.768	1.756	1.9
Ethyl Ether	0.445	0.466	0.467	0.502	0.472	0.490	0.474	4.2
Freon 113	0.448	0.498	0.559	0.505	0.482	0.491	0.497	7.3
Allyl Alcohol	0.041	0.047	0.041	0.045	0.039	0.035	0.041	10.2
Ethyl Acetate	0.242	0.257	0.247	0.276	0.236	0.228	0.248	6.8
Cyclohexane	0.726	0.732	0.770	0.809	0.830	0.854	0.787	6.7
Cyclohexanone	1.270	1.155	1.164	1.221	1.252	1.174	1.206	4.0
Methyl Acetate	0.843	0.789	0.750	0.762	0.622	0.606	0.729	13.0
Tetrahydrofuran	0.153	0.184	0.156	0.191	0.156	0.157	0.166	10.0
1,2-Dichloroethane-d4	0.459	0.483	0.486	0.516	0.467	0.438	0.475	5.6
Toluene-d8	1.553	1.577	1.642	1.732	1.774	1.766	1.674	5.8
4-Bromofluorobenzene	2.263	2.283	2.398	2.594	2.560	2.419	2.420	5.7
1,2-Dichlorobenzene-d4	2.189	2.266	2.324	2.516	2.418	2.367	2.347	4.9

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
BLK74659

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	503094
Case No. :		SDG NO :	503094
Matrix : (Soil / Water)	WATER	Lab Sample ID :	BLK74659
Sample Volume :	5	Lab File ID :	S006430.D
Level :	Low	Date Received	
% Moisture: not dec		Date Analyzed	03/25/2005
GC Column :	RTX_502.2 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Allquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
71-55-6	1,1,1-Trichloroethane	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethene	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
96-12-8	1,2-Dibromo-3-Chloropropane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
78-93-3	2-Butanone	10	U
591-78-6	2-Hexanone	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
67-64-1	Acetone	10	U
71-43-2	Benzene	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U
74-83-9	Bromomethane	10	U
75-15-0	Carbon Disulfide	5.0	U
56-23-5	Carbon Tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	10	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	10	U
110-82-7	Cyclohexane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
BLK74659

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	503094
Case No. :		SDG NO :	503094
Matrix : (Soil / Water)	WATER	Lab Sample ID :	BLK74659
Sample Volume :	5	Lab File ID :	S006430.D
Level :	Low	Date Received	
% Moisture: not dec		Date Analyzed	03/25/2005
GC Column :	RTX_502.2 ID. 0.18	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : ug/L

CAS NO	COMPOUND		Q
100-41-4	Ethylbenzene	5.0	U
106-93-4	Ethylene Dibromide	5.0	U
76-13-1	Freon 113	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl Acetate	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene Chloride	10	U
100-42-5	Styrene	5.0	U
127-18-4	Tetrachloroethylene	5.0	U
108-88-3	Toluene	5.0	U
79-01-6	Trichloroethene	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-01-4	Vinyl Chloride	10	U
156-59-2	cis-1,2-Dichloroethene	5.0	U
10061-01-5	cis-1,3-Dichloropropene	5.0	U
136777-61-2	m,p-Xylenes	5.0	U
95-47-6	o-Xylene	5.0	U
1634-04-4	tert-butyl methyl ether	5.0	U
156-60-5	trans-1,2-dichloroethene	5.0	U
10061-02-6	trans-1,3-dichloropropene	5.0	U

GPL
Form 5

'OLATILE INSTRUMENT PERFORMANCE CHECK BROMOFLUROBENZENE(BFE

Lab Name: GPL LABORATORIES Contract : Tetra Tech NUS

Lab Code: GPL Case No: N/A SAS No:N/A SDG No : 503094

Lab File ID: S006427.D BFB Injection Date : 03/25/2005 BFB Injection Time : 07:25

GC Column: RTX_502.2 ID: 0.18

m/e	ION ABUNDANCE CRITERIA	%Relative Abundance	
50	15.0 - 40.0% of mass 95	22.5	
75	30.0 - 60.0% of mass 95	57.0	
95	Base peak. 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	8.3	
173	Less than 2.0% of mass 174	0.0	(0.0)1
174	50.0 - 120.0% of mass 95	84.3	
175	5.0 - 9.0% of mass 174	6.2	(7.3)1
176	95.0 - 101.0% of mass 174	81.3	(96.4)1
177	5.0 - 9.0% of mass 176	5.6	(6.9)2

1-Value is % mass 174 2-Value is % mass 176

	Client Sample	Lab Sample NO	Lab File ID	Date Analyzed	Time Analyzed
1	CCV050-02	CCV050-02	S006429.D	03/25/2005	08:24
2	BLK74659	BLK74659	S006430.D	03/25/2005	08:52
3	BKS74659	BKS74659	S006431.D	03/25/2005	09:22
4	TB-031805	503094-010-028-1/1	S006433.D	03/25/2005	10:18

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: GPL LABORATORIES,LLLP Contract:

Lab Code: GPL Case No.: SAS No.: SDG No.:

Instrument ID: HP#S Calibration Date: 03/25/05 Time: 08:24

Lab File ID: S006429.D Init. Calib. Date(s): 03/08/05 03/08/05

Heated Purge: (Y/N) Y Init. Calib. Times: 10:31 12:56

GC Column: RTX_502.2 ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	% D	MAX % D
Dichlorodifluoromethane	0.490	0.478		2.4	
Chloromethane	0.795	0.848	0.100	-6.8	
Vinyl chloride	0.954	1.092	0.100	-14.4	20.0
Bromomethane	0.255	0.217		15.2	
Chloroethane	0.434	0.456		-5.0	
Trichlorofluoromethane	0.846	0.889		-5.0	
1,1-Dichloroethene	0.454	0.496	0.100	-9.1	20.0
Methylene chloride	0.528	0.577		-9.3	
Iodomethane	0.235	0.152		35.2	
Trans-1,2-dichloroethene	0.457	0.464		-1.4	
1,1-Dichloroethane	0.834	0.859	0.100	-3.0	
Acetone	0.288	0.253		12.3	
Acrolein	0.090	0.081		9.9	
Acrylonitrile	0.203	0.194		4.8	
Acetonitrile	0.094	0.087		6.8	
MTBE	1.129	0.765		32.3	
Carbon disulfide	1.388	1.337		3.7	
Chloroprene	0.161	0.152		5.5	
Propionitrile	0.068	0.063		7.1	
Allyl Chloride	0.951	0.933		2.0	
2,2-Dichloropropane	0.365	0.336		8.0	
Cis-1,2-dichloroethene	0.419	0.442		-5.4	
1,2-dichloroethene (total)	0.438	0.453		-3.3	
Bromochloromethane	0.155	0.162		-4.0	
Chloroform	0.735	0.750	0.100	-2.1	20.0
Methacrylonitrile	0.386	0.375		2.8	
1,1,1-Trichloroethane	0.622	0.654		-5.0	
Carbon tetrachloride	0.403	0.494		-22.8	
Methyl Methacrylate	0.577	0.573		0.5	
1,4-Dioxane	0.004	0.004		2.4	
Ethyl Methacrylate	0.514	0.501		2.5	
Isobutyl Alcohol	0.027	0.024		12.1	
2-Butanone	0.299	0.217		27.4	
1,1-Dichloropropene	0.812	0.776		4.4	
Vinyl Acetate	0.945	0.741		21.7	
2-Chloroethylvinyl ether	0.143	0.144		-0.4	
Benzene	2.327	2.290		1.6	
1,2-Dichloroethane	0.734	0.693		5.7	
Trichloroethene	0.519	0.482		7.2	

All other compounds must meet a minimum RRF of 0.010.

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: GPL LABORATORIES,LLLP Contract:

Lab Code: GPL Case No.: SAS No.: SDG No.:

Instrument ID: HP#S Calibration Date: 03/25/05 Time: 08:24

Lab File ID: S006429.D Init. Calib. Date(s): 03/08/05 03/08/05

Heated Purge: (Y/N) Y Init. Calib. Times: 10:31 12:56

GC Column: RTX_502.2 ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	% D	MAX % D
1,2-Dichloropropane	0.572	0.574	0.100	-0.4	20.0
Dibromomethane	0.261	0.239		8.2	
Bromodichloromethane	0.626	0.654		-4.5	
Cis-1,3-dichloropropene	0.732	0.677		7.5	
Toluene	1.452	1.488	0.100	-2.5	20.0
Trans-1,3-dichloropropene	0.661	0.704		-6.6	
1,1,2-Trichloroethane	0.365	0.374		-2.5	
1-Chlorohexane	0.686	0.693		-1.0	
4-Methyl-2-pentanone	2.372	2.018		14.9	
2-Hexanone	1.690	1.533		9.3	
Tetrachloroethene	1.915	1.966		-2.7	
1,3-Dichloropropane	2.871	2.836		1.2	
Dibromochloromethane	1.342	1.487		-10.8	
1,2-Dibromoethane	1.318	1.311		0.5	
Chlorobenzene	5.371	5.563	0.300	-3.6	
1,1,1,2-Tetrachloroethane	1.880	2.018		-7.3	
Ethylbenzene	10.582	10.833	0.100	-2.4	20.0
m,p-xylene	3.928	4.108		-4.6	
o-xylene	3.700	3.858		-4.3	
Styrene	6.007	6.331		-5.4	
Bromoform	1.039	1.128	0.100	-8.6	
Isopropylbenzene	9.346	9.795		-4.8	
Bromobenzene	2.146	2.250		-4.8	
1,1,2,2-Tetrachloroethane	2.275	2.342	0.300	-2.9	
1,2,3-Trichloropropane	0.687	0.717		-4.3	
N-propylbenzene	12.194	12.857		-5.4	
2-Chlorotoluene	7.324	8.250		-12.7	
4-Chlorotoluene	7.367	7.003		4.9	
1,3,5-Trimethylbenzene	7.970	8.393		-5.3	
Tert-butylbenzene	7.740	8.271		-6.9	
1,2,4-Trimethylbenzene	8.300	8.724		-5.1	
Sec-butylbenzene	10.877	11.613		-6.8	
Trans-1,4-Dichloro-2-butene	0.866	0.837		3.4	
Pentachloroethane	1.339	1.422		-6.1	
1,3-Dichlorobenzene	4.575	4.810		-5.1	
4-Isopropyltoluene	9.553	10.169		-6.5	
1,4-Dichlorobenzene	4.882	5.122		-4.9	
1,2-Dichlorobenzene	4.299	4.589		-6.7	
n-Butylbenzene	9.240	9.827		-6.3	

All other compounds must meet a minimum RRF of 0.010.

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: GPL LABORATORIES,LLLP Contract:

Lab Code: GPL Case No.: SAS No.: SDG No.:

Instrument ID: HP#S Calibration Date: 03/25/05 Time: 08:24

Lab File ID: S006429.D Init. Calib. Date(s): 03/08/05 03/08/05

Heated Purge: (Y/N) Y Init. Calib. Times: 10:31 12:56

GC Column: RTX_502.2 ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	% D	MAX % D
1,2-Dibromo-3-chloropropane	0.453	0.432		4.8	
1,2,4-Trichlorobenzene	2.940	2.956		-0.6	
Hexachlorobutadiene	1.691	1.881		-11.3	
Naphthalene	6.467	6.632		-2.6	
1,2,3-Trichlorobenzene	2.806	2.903		-3.5	
Xylene (Total)	3.852	4.024		-4.5	
n-Butanol	0.039	0.031		20.2	
Tert-Butyl alcohol	0.043				
Isopropyl Ether	1.756	1.545		12.1	
Ethyl Ether	0.474	0.436		8.0	
Freon 113	0.497	0.502		-0.9	
Allyl Alcohol	0.041	0.036		12.9	
Ethyl Acetate	0.248	0.213		14.1	
Cyclohexane	0.787	0.628		20.2	
Cyclohexanone	1.206	1.230		-2.0	
Methyl Acetate	0.729	0.652		10.6	
Tetrahydrofuran	0.166				
1,2-Dichloroethane-d4	0.475	0.423		10.8	
Toluene-d8	1.674	1.650		1.4	
4-Bromofluorobenzene	2.420	2.879		-19.0	
1,2-Dichlorobenzene-d4	2.347	2.870		-22.3	

All other compounds must meet a minimum RRF of 0.010.

GPL
Form 5

VOLATILE INSTRUMENT PERFORMANCE CHECK BROMOFLUROBENZENE(BFE

Lab Name: GPL LABORATORIES Contract : Tetra Tech NUS

Lab Code: GPL Case No: N/A SAS No:N/A SDG No : 503094

Lab File ID: S006487.D BFB Injection Date : 03/29/2005 BFB Injection Time : 09:08

GC Column: RTX_502.2 ID: 0.18

m/e	ION ABUNDANCE CRITERIA	%Relative Abundance	
50	15.0 - 40.0% of mass 95	23.7	
75	30.0 - 60.0% of mass 95	57.0	
95	Base peak, 100% relative abundance	100.0	
96	5.0 - 9.0% of mass 95	7.7	
173	Less than 2.0% of mass 174	0.0	(0.0)1
174	50.0 - 120.0% of mass 95	75.7	
175	5.0 - 9.0% of mass 174	5.5	(7.2)1
176	95.0 - 101.0% of mass 174	74.2	(98.0)1
177	5.0 - 9.0% of mass 176	4.6	(6.2)2

1-Value is % mass 174 2-Value is % mass 176

	Client Sample	Lab Sample NO	Lab File ID	Date Analyzed	Time Analyzed
1	CCV050-02	CCV050-02	S006489.D	03/29/2005	10:05
2	BLK74660	BLK74660	S006490.D	03/29/2005	10:33
3	BKS74660	BKS74660	S006491.D	03/29/2005	11:01
4	SD-7-031805	503094-001-001-1/1	S006500.D	03/29/2005	15:16
5	SD-8-031805	503094-002-002-1/1	S006501.D	03/29/2005	15:44
6	SD-9-031805	503094-003-003-1/1	S006502.D	03/29/2005	16:12
7	SD-2-031805	503094-004-004-1/1	S006503.D	03/29/2005	16:39
8	SD-6-031805	503094-005-025-1/3	S006504.D	03/29/2005	17:09
9	SD-6-031805MS	503094-005-025-1/3MS	S006505.D	03/29/2005	17:39
10	SD-6-031805MSD	503094-005-025-1/3MSD	S006506.D	03/29/2005	18:06
11	SD-5-031805	503094-006-005-1/1	S006507.D	03/29/2005	18:36
12	SD-10-031805	503094-007-006-1/1	S006508.D	03/29/2005	19:04
13	SD-11-031805	503094-008-007-1/1	S006509.D	03/29/2005	19:32
14	SD-12-031805	503094-009-008-1/1	S006510.D	03/29/2005	20:00

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: GPL LABORATORIES,LLLP Contract:

Lab Code: GPL Case No.: SAS No.: SDG No.:

Instrument ID: HP#S Calibration Date: 03/29/05 Time: 10:05

Lab File ID: S006489.D Init. Calib. Date(s): 03/08/05 03/08/05

Heated Purge: (Y/N) Y Init. Calib. Times: 10:31 12:56

GC Column: RTX_502.2 ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	% D	MAX % D
Dichlorodifluoromethane	0.490	0.491		-0.2	
Chloromethane	0.795	0.780	0.100	1.8	
Vinyl chloride	0.954	1.091	0.100	-14.4	20.0
Bromomethane	0.255	0.202		20.8	
Chloroethane	0.434	0.455		-4.8	
Trichlorofluoromethane	0.846	0.914		-8.0	
1,1-Dichloroethene	0.454	0.507	0.100	-11.5	20.0
Methylene chloride	0.528	0.594		-12.5	
Iodomethane	0.235	0.137		41.7	
Trans-1,2-dichloroethene	0.457	0.384		16.0	
1,1-Dichloroethane	0.834	0.867	0.100	-3.9	
Acetone	0.288	0.275		4.6	
Acrolein	0.090	0.093		-2.4	
Acrylonitrile	0.203	0.216		-6.4	
Acetonitrile	0.094	0.092		1.8	
MTBE	1.129	0.659		41.6	
Carbon disulfide	1.388	1.343		3.2	
Chloroprene	0.161	0.152		5.2	
Propionitrile	0.068	0.067		1.8	
Allyl Chloride	0.951	0.939		1.3	
2,2-Dichloropropane	0.365	0.337		7.8	
Cis-1,2-dichloroethene	0.419	0.447		-6.7	
1,2-dichloroethene (total)	0.438	0.416		5.2	
Bromochloromethane	0.155	0.161		-3.8	
Chloroform	0.735	0.762	0.100	-3.6	20.0
Methacrylonitrile	0.386	0.393		-1.9	
1,1,1-Trichloroethane	0.622	0.663		-6.5	
Carbon tetrachloride	0.403	0.501		-24.6	
Methyl Methacrylate	0.577	0.599		-3.9	
1,4-Dioxane	0.004	0.004		2.4	
Ethyl Methacrylate	0.514	0.526		-2.3	
Isobutyl Alcohol	0.027	0.025		6.2	
2-Butanone	0.299	0.232		22.4	
1,1-Dichloropropene	0.812	0.779		4.0	
Vinyl Acetate	0.945	0.769		18.7	
2-Chloroethylvinyl ether	0.143	0.145		-1.7	
Benzene	2.327	2.319		0.3	
1,2-Dichloroethane	0.734	0.714		2.7	
Trichloroethene	0.519	0.492		5.3	

All other compounds must meet a minimum RRF of 0.010.

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: GPL LABORATORIES,LLLP Contract:

Lab Code: GPL Case No.: SAS No.: SDG No.:

Instrument ID: HP#S Calibration Date: 03/29/05 Time: 10:05

Lab File ID: S006489.D Init. Calib. Date(s): 03/08/05 03/08/05

Heated Purge: (Y/N) Y Init. Calib. Times: 10:31 12:56

GC Column: RTX_502.2 ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	% D	MAX % D
1,2-Dichloropropane	0.572	0.582	0.100	-1.7	20.0
Dibromomethane	0.261	0.248		5.0	
Bromodichloromethane	0.626	0.675		-7.7	
Cis-1,3-dichloropropene	0.732	0.677		7.4	
Toluene	1.452	1.482	0.100	-2.1	20.0
Trans-1,3-dichloropropene	0.661	0.692		-4.7	
1,1,2-Trichloroethane	0.365	0.381		-4.4	
1-Chlorohexane	0.686	0.699		-1.8	
4-Methyl-2-pentanone	2.372	2.154		9.2	
2-Hexanone	1.690	1.619		4.2	
Tetrachloroethene	1.915	1.977		-3.2	
1,3-Dichloropropane	2.871	2.860		0.4	
Dibromochloromethane	1.342	1.512		-12.7	
1,2-Dibromoethane	1.318	1.338		-1.5	
Chlorobenzene	5.371	5.642	0.300	-5.0	
1,1,1,2-Tetrachloroethane	1.880	2.068		-10.0	
Ethylbenzene	10.582	10.990	0.100	-3.9	20.0
m,p-xylene	3.928	4.188		-6.6	
o-xylene	3.700	3.918		-5.9	
Styrene	6.007	6.395		-6.4	
Bromoform	1.039	1.170	0.100	-12.7	
Isopropylbenzene	9.346	9.837		-5.3	
Bromobenzene	2.146	2.286		-6.5	
1,1,2,2-Tetrachloroethane	2.275	2.410	0.300	-5.9	
1,2,3-Trichloropropane	0.687	0.739		-7.5	
N-propylbenzene	12.194	12.884		-5.7	
2-Chlorotoluene	7.324	8.408		-14.8	
4-Chlorotoluene	7.367	7.019		4.7	
1,3,5-Trimethylbenzene	7.970	8.556		-7.4	
Tert-butylbenzene	7.740	8.353		-7.9	
1,2,4-Trimethylbenzene	8.300	8.898		-7.2	
Sec-butylbenzene	10.877	11.729		-7.8	
Trans-1,4-Dichloro-2-butene	0.866	0.853		1.6	
Pentachloroethane	1.339	1.469		-9.7	
1,3-Dichlorobenzene	4.575	4.900		-7.1	
4-Isopropyltoluene	9.553	10.238		-7.2	
1,4-Dichlorobenzene	4.882	5.215		-6.8	
1,2-Dichlorobenzene	4.299	4.657		-8.3	
n-Butylbenzene	9.240	9.973		-7.9	

All other compounds must meet a minimum RRF of 0.010.

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: GPL LABORATORIES,LLLP Contract:

Lab Code: GPL Case No.: SAS No.: SDG No.:

Instrument ID: HP#S Calibration Date: 03/29/05 Time: 10:05

Lab File ID: S006489.D Init. Calib. Date(s): 03/08/05 03/08/05

Heated Purge: (Y/N) Y Init. Calib. Times: 10:31 12:56

GC Column: RTX_502.2 ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	% D	MAX % D
1,2-Dibromo-3-chloropropane	0.453	0.464		-2.3	
1,2,4-Trichlorobenzene	2.940	3.052		-3.8	
Hexachlorobutadiene	1.691	1.904		-12.6	
Naphthalene	6.467	6.947		-7.4	
1,2,3-Trichlorobenzene	2.806	3.020		-7.6	
Xylene (Total)	3.852	4.098		-6.4	
n-Butanol	0.039	0.030		23.2	
Tert-Butyl alcohol	0.043				
Isopropyl Ether	1.756	1.544		12.1	
Ethyl Ether	0.474	0.440		7.1	
Freon 113	0.497	0.516		-3.9	
Allyl Alcohol	0.041	0.033		19.6	
Ethyl Acetate	0.248	0.218		11.9	
Cyclohexane	0.787	0.604		23.3	
Cyclohexanone	1.206	1.240		-2.8	
Methyl Acetate	0.729	0.708		2.9	
Tetrahydrofuran	0.166				
1,2-Dichloroethane-d4	0.475	0.476		-0.2	
Toluene-d8	1.674	1.691		-1.0	
4-Bromofluorobenzene	2.420	2.536		-4.8	
1,2-Dichlorobenzene-d4	2.347	2.530		-7.8	

All other compounds must meet a minimum RRF of 0.010.

GPL Laboratories

LCS SUMMARY

SAMPLE NO
BKS74588

Lab Name : GPL Laboratories
Lab Code GPL
Matrix : SOIL
Method : SW8270C

Contract. Middle River
SDG NO : 503094
Lab Sample ID : BKS74588
Analysis Date : 03/29/2005

COMPOUND	SPIKE ADDED (ug/kg)	BLANK CONCENTRATION (ug/kg)	LCS CONCENTRATION (ug/kg)	LCS % REC	QC LIMTS
1,2,4-Trichlorobenzene	3300	0	2800	84	64-124
1,4-Dichlorobenzene	3300	0	2900	87	60-122
2,4-Dinitrotoluene	3300	0	3100	93	61-143
2-Chlorophenol	3300	0	2800	84	47-131
4-Nitrophenol	3300	0	3600	108	46-154
4-chloro-3-methylphenol	3300	0	3200	96	48-132
Acenaphthene	3300	0	2700	81	52-138
Pentachlorophenol	3300	0	3600	108	38-144
Phenol	3300	0	3000	90	45-129
Pyrene	3300	0	2500	75	38-156
n-Nitrosodi-n-Propylamine	3300	0	2700	81	54-138

* Values Outside of QC Limits.

GPL Laboratories

GPL
FORM 4
SEMI-VOLATILE METHOD BLANK SUMMARY

SAMPLE NO
BLK74588

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code	GPL	SAS NO. :	74588
Lab File ID :	T23330.D	SDG NO :	503094
Date Analyzed	03/29/2005	Lab Sample ID :	BLK74588
Date Extracted :	03/29/2005	Time Analyzed	11:51
Matrix :(Soil/Water).	SOIL	Level :(Low/Med	

HIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES,MS AND MSD

Client Sample ID	Lab Sample ID	Lab File ID	Date Analyzed
BKS74588	BKS74588	T23331.D	03/29/2005
SD-11-031805	503094-008-015-1/1	T23332.D	03/29/2005
SD-9-031805	503094-003-011-1/1	T23334.D	03/29/2005
SD-6-031805	503094-005-029-1/3	T23335.D	03/29/2005
SD-6-031805MS	503094-005-029-1/3MS	T23336.D	03/29/2005
SD-6-031805MSD	503094-005-029-1/3MSD	T23337.D	03/29/2005
SD-7-031805	503094-001-009-1/1	T23338.D	03/29/2005
SD-8-031805	503094-002-010-1/1	T23339.D	03/29/2005
SD-2-031805	503094-004-012-1/1	T23340.D	03/29/2005
SD-5-031805	503094-006-013-1/1	T23344.D	03/29/2005
SD-10-031805	503094-007-014-1/1	T23356.D	03/30/2005
SD-12-031805	503094-009-016-1/1	T23357.D	03/30/2005

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
BLK74588

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code	GPL	SAS NO. :	
Case No.		SDG NO :	503094
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	BLK74588
Sample Volume :	30	Lab File ID :	T23330.D
% Moisture:		Date Received	
Extraction:	SW3550	Date Extracte	03/29/2005
Extract Volume	1 mL	Date Analyzed	03/29/2005
Injection Volume :	1 µL	Dilution Factor	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
120-82-1	1,2,4-Trichlorobenzene	330	U
95-50-1	1,2-Dichlorobenzene	330	U
122-66-7	1,2-Diphenylhydrazine	330	U
541-73-1	1,3-Dichlorobenzene	330	U
106-46-7	1,4-Dichlorobenzene	330	U
108-60-1	2,2-Oxybis(1-Chloropropane)	330	U
95-95-4	2,4,5-Trichlorophenol	330	U
88-06-2	2,4,6-Trichlorophenol	330	U
120-83-2	2,4-Dichlorophenol	330	U
105-67-9	2,4-Dimethylphenol	330	U
51-28-5	2,4-Dinitrophenol	670	U
121-14-2	2,4-Dinitrotoluene	330	U
606-20-2	2,6-Dinitrotoluene	330	U
91-58-7	2-Chloronaphthalene	330	U
95-57-8	2-Chlorophenol	330	U
91-57-6	2-Methylnaphthalene	330	U
88-74-4	2-Nitroaniline	330	U
88-75-5	2-Nitrophenol	330	U
95-48-7	2-methylphenol	330	U
91-94-1	3,3-Dichlorobenzidine	670	U
99-09-2	3-Nitroaniline	330	U
534-52-1	4,6-dinitro-2-methyl phenol	670	U
101-55-3	4-Bromophenyl-phenylether	330	U
106-47-8	4-Chloroaniline	330	U
7005-72-3	4-Chlorophenyl Phenyl Ether	330	U
100-01-6	4-Nitroaniline	330	U
100-02-7	4-Nitrophenol	670	U
59-50-7	4-chloro-3-methylphenol	330	U
106-44-5	4-methylphenol	330	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
BLK74588

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code	GPL	SAS NO. :	
Case No.		SDG NO :	503094
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	BLK74588
Sample Volume :	30	Lab File ID :	T23330.D
% Moisture:		Date Received	
Extraction:	SW3550	Date Extracte	03/29/2005
Extract Volume	1 mL	Date Analyzed	03/29/2005
Injection Volume :	1 µL	Dilution Factor	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
83-32-9	Acenaphthene	330	U
208-96-8	Acenaphthylene	330	U
62-53-3	Aniline (Phenylamine, Aminobenzene)	330	U
120-12-7	Anthracene	330	U
92-87-5	Benzidine	330	U
56-55-3	Benzo(a)anthracene	330	U
50-32-8	Benzo(a)pyrene	330	U
205-99-2	Benzo(b)fluoranthene	330	U
191-24-2	Benzo(g,h,i)perylene	330	U
207-08-9	Benzo(k)fluoranthene	330	U
65-85-0	Benzoic Acid	670	U
100-51-6	Benzyl Alcohol	330	U
85-68-7	Benzyl Butyl Phthalate	330	U
86-74-8	Carbazole	330	U
218-01-9	Chrysene	330	U
53-70-3	Dibenz(a,h)Anthracene	330	U
132-64-9	Dibenzofuran	330	U
84-66-2	Diethyl Phthalate	330	U
131-11-3	Dimethyl Phthalate	330	U
206-44-0	Fluoranthene	330	U
86-73-7	Fluorene	330	U
118-74-1	Hexachlorobenzene	330	U
87-68-3	Hexachlorobutadiene	330	U
77-47-4	Hexachlorocyclopentadiene	330	U
67-72-1	Hexachloroethane	330	U
193-39-5	Indeno(1,2,3-c,d)Pyrene	330	U
78-59-1	Isophorone	330	U
91-20-3	Naphthalene	330	U
98-95-3	Nitrobenzene	330	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
BLK74588

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code	GPL	SAS NO. :	
Case No.		SDG NO :	503094
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	BLK74588
Sample Volume :	30	Lab File ID :	T23330.D
% Moisture:		Date Received	
Extraction:	SW3550	Date Extracte	03/29/2005
Extract Volume	1 mL	Date Analyzed	03/29/2005
Injection Volume :	1 µL	Dilution Factor	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
87-86-5	Pentachlorophenol	670	U
85-01-8	Phenanthrene	330	U
108-95-2	Phenol	330	U
129-00-0	Pyrene	330	U
110-86-1	Pyridine	330	U
111-91-1	bis(2-chloroethoxy) methane	330	U
111-44-4	bis(2-chloroethyl) ether	330	U
117-81-7	bis(2-ethylhexyl) phthalate	330	U
84-74-2	di-n-Butyl Phthalate	330	U
117-84-0	di-n-Octyl Phthalate	330	U
621-64-7	n-Nitrosodi-n-Propylamine	330	U
62-75-9	n-Nitrosodimethylamine	330	U
86-30-6	n-Nitrosodiphenylamine	330	U

5B-8270

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: GPL_LABORATORIES Contract: TT_NUS

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: T23079.D DFTPP Injection Date: 03/10/05

Instrument ID: HP#T DFTPP Injection Time: 15:59

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	56.9
70	Less than 2.0% of mass 69	0.3 (0.5)1
127	40.0 - 60.0% of mass 198	46.1
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	7.6
275	10.0 - 30.0% of mass 198	22.0
365	Greater than 1.0% of mass 198	1.7
441	Present, but less than mass 443	6.4
442	40.0 - 110.0% of mass 198	42.7
443	17.0 - 23.0% of mass 442	8.6 (20.2)2

1-Value is % mass 69 2-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	SSTD050 DEVANS	SSTD050 DEVANS	T23080.D	03/10/05	16:26
02	SSTD160 DEVANS	SSTD160 DEVANS	T23081.D	03/10/05	17:04
03	SSTD010 DEVANS	SSTD010 DEVANS	T23082.D	03/10/05	17:42
04	SSTD020 DEVANS	SSTD020 DEVANS	T23083.D	03/10/05	18:20
05	SSTD080 DEVANS	SSTD080 DEVANS	T23084.D	03/10/05	18:58
06	SSTD120 DEVANS	SSTD120 DEVANS	T23085.D	03/10/05	19:36

6B

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: GPL_LABORATORIES Contract: TT_NUS

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Instrument ID: HP#T Calibration Date(s): 03/10/05 03/10/05

Calibration Times: 16:26 19:36

LAB FILE ID: RRF10 = T23082.D RRF20 = T23083.D RRF160 = T23081.D

RRF50 = T23080.D RRF80 = T23084.D RRF120 = T23085.D

COMPOUND	RRF10	RRF20	RRF50	RRF80	RRF120	RRF160	$\overline{RRF}$	% RSD
Pyridine	1.714	1.628	1.540	1.581	1.688	1.572	1.620	4.2
Aniline	1.903	1.731	1.752	1.740	1.898	1.738	1.794	4.6
Benzidine	0.659	0.606	0.645	0.642	0.679	0.618	0.642	4.1

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

5B-8270

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: GPL_LABORATORIES Contract: TT_NUS

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Lab File ID: T23145.D DFTPP Injection Date: 03/14/05

Instrument ID: HP#T DFTPP Injection Time: 10:08

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	41.4
68	Less than 2.0% of mass 69	0.2 (0.4)1
69	Mass 69 Relative abundance	52.1
70	Less than 2.0% of mass 69	0.2 (0.3)1
127	40.0 - 60.0% of mass 198	46.2
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	24.1
365	Greater than 1.0% of mass 198	2.0
441	Present, but less than mass 443	8.1
442	40.0 - 110.0% of mass 198	56.1
443	17.0 - 23.0% of mass 442	11.0 (19.5)2

1-Value is % mass 69 2-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	SSTD050	SSTD050	T23146.D	03/14/05	10:30
02	SSTD160	SSTD160	T23147.D	03/14/05	11:15
03	SSTD010	SSTD010	T23148.D	03/14/05	11:58
04	SSTD020	SSTD020	T23149.D	03/14/05	12:42
05	SSTD080	SSTD080	T23150.D	03/14/05	13:25
06	SSTD120	SSTD120	T23151.D	03/14/05	14:09

6B

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: GPL_LABORATORIES Contract: TT_NUS

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Instrument ID: HP#T Calibration Date(s): 03/14/05 03/14/05

Calibration Times: 10:30 14:09

LAB FILE ID: RRF10 = T23148.D RRF20 = T23149.D RRF160 = T23147.D

RRF50 = T23146.D RRF80 = T23150.D RRF120 = T23151.D

COMPOUND		RRF10	RRF20	RRF50	RRF80	RRF120	RRF160	$\overline{RRF}$	% RSD
N-Nitrosodimethylamine		0.882	0.986	0.891	0.910	0.958	0.937	0.927	4.3
bis(2-Chloroethyl)ether		1.207	1.157	1.065	1.097	1.132	1.152	1.135	4.4
Phenol	*	1.472	1.429	1.398	1.433	1.481	1.524	1.456	3.1
2-Chlorophenol		1.194	1.196	1.115	1.141	1.163	1.153	1.160	2.7
1,3-Dichlorobenzene		1.501	1.424	1.342	1.280	1.309	1.249	1.351	7.0
1,4-Dichlorobenzene	*	1.416	1.394	1.299	1.219	1.262	1.215	1.301	6.7
1,2-Dichlorobenzene		1.310	1.300	1.215	1.164	1.169	1.137	1.216	6.0
Benzyl alcohol		0.618	0.612	0.624	0.653	0.676	0.684	0.645	4.9
2,2-oxybis(1-chloropropane)		3.362	3.283	2.915	2.982	3.037	2.918	3.083	6.3
2-Methylphenol		0.964	0.924	0.913	0.950	0.960	1.008	0.953	3.5
Hexachloroethane		0.542	0.523	0.499	0.495	0.503	0.505	0.511	3.5
N-Nitroso-di-n-propylamine	*	0.976	0.956	0.921	0.978	0.983	0.985	0.966	2.6
4-Methylphenol		1.134	1.185	1.098	1.139	1.181	1.133	1.145	2.9
Nitrobenzene		0.450	0.433	0.412	0.421	0.432	0.428	0.429	3.0
Isophorone		0.783	0.775	0.742	0.755	0.765	0.741	0.760	2.3
2-Nitrophenol	*	0.204	0.222	0.211	0.215	0.223	0.219	0.215	3.4
2,4-Dimethylphenol		0.354	0.352	0.324	0.319	0.322	0.311	0.330	5.5
Benzoic Acid			0.151	0.188	0.220	0.230	0.175	0.193	16.8
bis(2-Chloroethoxy)methane		0.464	0.442	0.410	0.416	0.428	0.420	0.430	4.7
2,4-Dichlorophenol	*	0.329	0.329	0.307	0.306	0.315	0.306	0.315	3.5
1,2,4-Trichlorobenzene		0.389	0.387	0.352	0.336	0.341	0.327	0.355	7.5
Naphthalene		0.948	0.899	0.830	0.795	0.806	0.753	0.839	8.6
4-Chloroaniline		0.343	0.386	0.363	0.379	0.376	0.364	0.368	4.1
Hexachlorobutadiene	*	0.230	0.219	0.206	0.205	0.213	0.210	0.214	4.3
4-Chloro-3-methylphenol	*	0.220	0.226	0.232	0.242	0.241	0.240	0.233	3.8
2-Methylnaphthalene		0.553	0.529	0.503	0.491	0.492	0.461	0.505	6.4
Hexachlorocyclopentadiene	*	0.309	0.369	0.393	0.419	0.464	0.455	0.402	14.4
2,4,6-Trichlorophenol	*	0.456	0.485	0.464	0.470	0.495	0.482	0.475	3.0
2,4,5-Trichlorophenol		0.477	0.532	0.495	0.527	0.547	0.504	0.514	5.1
2-Chloronaphthalene		1.277	1.266	1.140	1.104	1.168	1.088	1.174	6.9
2-Nitroaniline		0.487	0.503	0.493	0.496	0.522	0.503	0.501	2.4
Acenaphthylene		1.963	1.861	1.659	1.600	1.680	1.556	1.720	9.2
Dimethylphthalate		1.408	1.322	1.276	1.263	1.284	1.234	1.298	4.7
2,6-Dinitrotoluene		0.319	0.316	0.318	0.333	0.343	0.335	0.327	3.4
Acenaphthene	*	1.114	1.074	0.964	0.923	0.945	0.865	0.981	9.6
3-Nitroaniline		0.267	0.303	0.313	0.322	0.346	0.333	0.314	8.8
2,4-Dinitrophenol	*		0.114	0.171	0.205	0.221	0.216	0.185	24.0
Dibenzofuran		1.601	1.558	1.412	1.341	1.384	1.302	1.433	8.4
2,4-Dinitrotoluene		0.374	0.398	0.390	0.399	0.425	0.408	0.399	4.3

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: GPL_LABORATORIES Contract: TT_NUS

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Instrument ID: HP#T Calibration Date(s): 03/14/05 03/14/05

Calibration Times: 10:30 14:09

LAB FILE ID: RRF10 = T23148.D RRF20 = T23149.D RRF160 = T23147.D

RRF50 = T23146.D RRF80 = T23150.D RRF120 = T23151.D

COMPOUND		RRF10	RRF20	RRF50	RRF80	RRF120	RRF160	$\overline{RRF}$	% RSD
4-Nitrophenol	*	0.061	0.095	0.108	0.119	0.132	0.127	0.107	24.6
Fluorene		1.103	1.058	1.004	0.948	0.980	0.915	1.001	7.0
4-Chlorophenyl-phenylether		0.536	0.544	0.524	0.514	0.523	0.508	0.525	2.6
Diethylphthalate		1.225	1.184	1.115	1.091	1.114	1.051	1.130	5.6
4-Nitroaniline		0.246	0.264	0.271	0.274	0.284	0.278	0.269	4.9
4,6-Dinitro-2-methylphenol		0.102	0.128	0.149	0.168	0.179	0.186	0.152	21.3
n-Nitrosodiphenylamine	*	0.494	0.482	0.453	0.445	0.465	0.456	0.466	4.0
1,2-Diphenylhydrazine		0.944	0.927	0.822	0.831	0.841	0.832	0.866	6.3
4-Bromophenyl-phenylether		0.168	0.166	0.169	0.168	0.174	0.175	0.170	2.0
Hexachlorobenzene		0.224	0.217	0.216	0.209	0.220	0.216	0.217	2.3
Pentachlorophenol	*	0.089	0.105	0.137	0.140	0.152	0.153	0.129	20.4
Phenanthrene		0.985	0.951	0.878	0.831	0.842	0.814	0.883	7.9
Anthracene		1.025	0.980	0.910	0.863	0.880	0.857	0.919	7.5
Carbazole		0.851	0.863	0.831	0.753	0.798	0.732	0.805	6.6
Di-n-butylphthalate		1.160	1.147	1.079	1.026	1.042	0.962	1.069	7.0
Fluoranthene	*	1.003	0.992	0.928	0.856	0.900	0.808	0.914	8.3
Pyrene		1.497	1.457	1.265	1.165	1.257	1.236	1.313	10.1
Butylbenzylphthalate		0.691	0.681	0.642	0.646	0.667	0.658	0.664	2.9
3,3-Dichlorobenzidine		0.364	0.311	0.300	0.309	0.314	0.273	0.312	9.5
Benzo[a]anthracene		1.160	1.133	1.062	1.028	1.067	1.048	1.083	4.8
Chrysene		1.118	1.092	1.007	0.991	1.034	0.986	1.038	5.3
bis(2-Ethylhexyl)phthalate		0.789	0.827	0.826	0.807	0.848	0.797	0.815	2.7
Di-n-octylphthalate	*	1.926	1.937	1.726	1.821	1.812	1.774	1.833	4.6
Benzo[b]fluoranthene		1.350	1.358	1.261	1.298	1.356	1.290	1.319	3.1
Benzo[k]fluoranthene		1.314	1.203	1.189	1.210	1.164	1.221	1.217	4.2
Benzo[a]pyrene	*	1.203	1.172	1.126	1.126	1.161	1.161	1.158	2.5
Indeno[1,2,3-cd]pyrene		1.037	1.070	1.028	0.911	1.031	1.050	1.021	5.5
Dibenz[a,h]anthracene		0.791	0.881	0.826	0.747	0.855	0.864	0.827	6.1
Benzo[g,h,i]perylene		0.855	0.914	0.870	0.774	0.905	0.909	0.871	6.1
2-Fluorophenol		1.346	1.283	1.246	1.265	1.343	1.341	1.304	3.4
Phenol-d5		1.421	1.437	1.332	1.379	1.427	1.464	1.410	3.3
Nitrobenzene-d5		0.430	0.418	0.398	0.404	0.425	0.417	0.415	2.9
2-Fluorobiphenyl		1.540	1.435	1.325	1.256	1.337	1.246	1.356	8.3
2,4,6-Tribromophenol		0.159	0.180	0.181	0.187	0.198	0.190	0.182	7.2
Terphenyl-d14		0.806	0.787	0.722	0.700	0.735	0.738	0.748	5.4

(1) Cannot be separated from Diphenylamine

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

GPL
Form 5

SEMI-VOLATILE INSTRUMENT PERFORMANCE CHECK DECAFLUOROTRIPHENYLPHOSPHINE(DFTPP)

Lab Name: GPL LABORATORIES Contract : Tetra Tech NUS

Lab Code: GPL Case No: N/A SAS No:N/A SDG No : 503094

Lab File ID: T23327.D DFTPP Injection Date : 03/29/2005 DFTPP Injection Time : 10:10

GC Column: _ ID: DB-5

m/e	ION ABUNDANCE CRITERIA	%Relative Abundance	
51	30.0 - 60.0% of mass 198	39.9	
68	Less than 2.0% of mass 69	1.0	(1.9)1
69	Mass 69 relative abundance	51.5	
70	Less than 2.0% of mass-69	0.3	(0.5)1
127	40.0 - 60.0% of mass 198	45.5	
197	Less than 1.0% of mass 198	0.0	
198	Base Peak, 100% relative abundance	100.0	
199	5.0 to 9.0% of mass 198	7.8	
275	10.0 - 30.0% of mass 198	26.2	
365	Greater than 1.0% of mass 198	2.3	
441	Present, but less than mass 443	9.5	
442	40.0 - 110.0% of mass 198	66.7	
443	17.0 - 23.0% of mass 442	13.5	(20.3)2

1-Value is % mass 69

2-Value is % mass 442

	Client Sample	Lab Sample NO	Lab File ID	Date Analyze	Time Analyzed
1	SSTD050	SSTD050	T23328.D	03/29/2005	10:32
2	SSTD050 DEVANS	SSTD050 DEVANS	T23329.D	03/29/2005	11:14
3	BLK74588	BLK74588	T23330.D	03/29/2005	11:51
4	BKS74588	BKS74588	T23331.D	03/29/2005	12:32
5	SD-11-031805	503094-008-015-1/1	T23332.D	03/29/2005	13:09
6	SD-9-031805	503094-003-011-1/1	T23334.D	03/29/2005	14:32
7	SD-6-031805	503094-005-029-1/3	T23335.D	03/29/2005	15:14
8	SD-6-031805 MS	503094-005-029-1/3 MS	T23336.D	03/29/2005	15:55
9	SD-6-031805 MSD	503094-005-029-1/3 MSD	T23337.D	03/29/2005	16:36
10	SD-7-031805	503094-001-009-1/1	T23338.D	03/29/2005	17:18
11	SD-8-031805	503094-002-010-1/1	T23339.D	03/29/2005	17:59
12	SD-2-031805	503094-004-012-1/1	T23340.D	03/29/2005	18:41
13	SD-5-031805	503094-006-013-1/1	T23344.D	03/29/2005	21:26

7B

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: GPL_LABORATORIES Contract: TT_NUS

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Instrument ID: HP#T Calibration Date: 03/29/05 Time: 10:32

Lab File ID: T23328.D Init. Calib. Date(s): 03/14/05 03/14/05

Init. Calib. Times: 10:30 14:09

COMPOUND	RRF	RRFCC	MIN RRF	% D	MAX % D
N-Nitrosodimethylamine	0.927	0.877		5.4	
bis(2-Chloroethyl)ether	1.135	1.146		-1.0	
Phenol	1.456	1.418	0.050	2.6	20.0
2-Chlorophenol	1.160	1.251		-7.8	
1,3-Dichlorobenzene	1.351	1.528		-13.1	
1,4-Dichlorobenzene	1.301	1.467	0.050	-12.8	20.0
1,2-Dichlorobenzene	1.216	1.406		-15.6	
Benzyl alcohol	0.645	0.674		-4.6	
2,2-oxybis(1-chloropropane)	3.083	2.840		7.9	
2-Methylphenol	0.953	0.988		-3.7	
Hexachloroethane	0.511	0.548		-7.1	
N-Nitroso-di-n-propylamine	0.966	0.980	0.050	-1.4	
4-Methylphenol	1.145	1.246		-8.8	
Nitrobenzene	0.429	0.419		2.5	
Isophorone	0.760	0.771		-1.5	
2-Nitrophenol	0.215	0.244	0.050	-13.4	20.0
2,4-Dimethylphenol	0.330	0.356		-7.8	
Benzoic Acid	0.193	0.188		2.3	
bis(2-Chloroethoxy)methane	0.430	0.442		-2.8	
2,4-Dichlorophenol	0.315	0.363	0.050	-15.0	20.0
1,2,4-Trichlorobenzene	0.355	0.401		-12.8	
Naphthalene	0.839	0.951		-13.3	
4-Chloroaniline	0.368	0.399		-8.2	
Hexachlorobutadiene	0.214	0.229	0.050	-6.8	20.0
4-Chloro-3-methylphenol	0.233	0.264	0.050	-13.1	20.0
2-Methylnaphthalene	0.505	0.595		-17.9	
Hexachlorocyclopentadiene	0.402	0.319	0.050	20.5	
2,4,6-Trichlorophenol	0.475	0.480	0.050	-1.0	20.0
2,4,5-Trichlorophenol	0.514	0.524		-2.0	
2-Chloronaphthalene	1.174	1.258		-7.1	
2-Nitroaniline	0.501	0.483		3.6	
Acenaphthylene	1.720	1.857		-8.0	
Dimethylphthalate	1.298	1.369		-5.5	
2,6-Dinitrotoluene	0.327	0.357		-9.2	
Acenaphthene	0.981	1.053	0.050	-7.4	20.0
3-Nitroaniline	0.314	0.348		-10.9	
2,4-Dinitrophenol	0.185	0.130	0.050	-29.9	
Dibenzofuran	1.433	1.509		-5.3	
2,4-Dinitrotoluene	0.399	0.430		-7.8	

All other compounds must meet a minimum RRF of 0.010.

7C
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: GPL_LABORATORIES Contract: TT_NUS

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Instrument ID: HP#T Calibration Date: 03/29/05 Time: 10:32

Lab File ID: T23328.D Init. Calib. Date(s): 03/14/05 03/14/05

Init. Calib. Times: 10:30 14:09

COMPOUND	RRF	RRFCC	MIN RRF	% D	MAX % D
4-Nitrophenol	0.107	0.097	0.050	9.8	
Fluorene	1.001	1.083		-8.2	
4-Chlorophenyl-phenylether	0.525	0.542		-3.2	
Diethylphthalate	1.130	1.192		-5.4	
4-Nitroaniline	0.269	0.289		-7.4	
4,6-Dinitro-2-methylphenol	0.152	0.149		1.6	
n-Nitrosodiphenylamine	0.466	0.528	0.050	-13.5	20.0
1,2-Diphenylhydrazine	0.866	0.903		-4.3	
4-Bromophenyl-phenylether	0.170	0.181		-6.4	
Hexachlorobenzene	0.217	0.227		-4.7	
Pentachlorophenol	0.129	0.135	0.050	-4.5	20.0
Phenanthrene	0.883	0.999		-13.1	
Anthracene	0.919	1.037		-12.8	
Carbazole	0.805	0.954		-18.6	
Di-n-butylphthalate	1.069	1.277		-19.4	
Fluoranthene	0.914	1.073	0.050	-17.3	20.0
Pyrene	1.313	1.324		-0.9	
Butylbenzylphthalate	0.664	0.787		-18.5	
3,3-Dichlorobenzidine	0.312	0.370		-18.7	
Benzo[a]anthracene	1.083	1.171		-8.1	
Chrysene	1.038	1.114		-7.3	
bis(2-Ethylhexyl)phthalate	0.815	1.031		-26.5	
Di-n-octylphthalate	1.833	2.192	0.050	-19.6	20.0
Benzo[b]fluoranthene	1.319	1.360		-3.1	
Benzo[k]fluoranthene	1.217	1.266		-4.1	
Benzo[a]pyrene	1.158	1.208	0.050	-4.3	20.0
Indeno[1,2,3-cd]pyrene	1.021	1.100		-7.7	
Dibenz[a,h]anthracene	0.827	0.891		-7.7	
Benzo[g,h,i]perylene	0.871	0.954		-9.5	
2-Fluorophenol	1.304	1.335		-2.4	
Phenol-d5	1.410	1.418		-0.6	
Nitrobenzene-d5	0.415	0.404		2.6	
2-Fluorobiphenyl	1.356	1.445		-6.5	
2,4,6-Tribromophenol	0.182	0.183		-0.2	
Terphenyl-d14	0.748	0.751		-0.4	

(1) Cannot be separated from Diphenylamine

All other compounds must meet a minimum RRF of 0.010.

7B
SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: GPL_LABORATORIES Contract: TT_NUS

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Instrument ID: HP#T Calibration Date: 03/29/05 Time: 11:14

Lab File ID: T23329.D Init. Calib. Date(s): 03/10/05 03/10/05

Init. Calib. Times: 16:26 19:36

COMPOUND	RRF	RRF50	MIN RRF	% D	MAX % D
Pyridine	1.620	1.306		19.4	
Aniline	1.794	1.550		13.6	
Benzidine	0.642	0.514		19.8	

All other compounds must meet a minimum RRF of 0.010.

GPL
Form 5

SEMI-VOLATILE INSTRUMENT PERFORMANCE CHECK DECAFLUOROTRIPHENYLPHOSPHINE(DFTPP)

Lab Name: GPL LABORATORIES Contract : Tetra Tech NUS

Lab Code: GPL Case No: N/A SAS No:N/A SDG No : 503094

Lab File ID: T23351.D DFTPP Injection Date : 03/30/2005 DFTPP Injection Time : 11:37

GC Column: _ ID: DB-5

m/e	ION ABUNDANCE CRITERIA	%Relative Abundance	
51	30.0 - 60.0% of mass 198	32.7	
68	Less than 2.0% of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	44.7	
70	Less than 2.0% of mass-69	0.2	(0.3)1
127	40.0 - 60.0% of mass 198	42.9	
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	7.1	
275	10.0 - 30.0% of mass 198	25.0	
365	Greater than 1.0% of mass 198	2.1	
441	Present, but less than mass 443	8.9	
442	40.0 - 110.0% of mass 198	63.4	
443	17.0 - 23.0% of mass 442	12.6	(19.8)2

1-Value is % mass 69

2-Value is % mass 442

	Client Sample	Lab Sample NO	Lab File ID	Date Analyze	Time Analyzed
1	SSTD050	SSTD050	T23352.D	03/30/2005	11:58
2	SSTD050 DEVANS	SSTD050 DEVANS	T23353.D	03/30/2005	12:38
3	SD-10-031805	503094-007-014-1/1	T23356.D	03/30/2005	14:35
4	SD-12-031805	503094-009-016-1/1	T23357.D	03/30/2005	15:16

7B

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: GPL_LABORATORIES Contract: TT_NUS

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Instrument ID: HP#T Calibration Date: 03/30/05 Time: 11:58

Lab File ID: T23352.D Init. Calib. Date(s): 03/14/05 03/14/05

Init. Calib. Times: 10:30 14:09

COMPOUND	RRF	RRF50	MIN RRF	% D	MAX % D
N-Nitrosodimethylamine	0.927	0.780		15.9	
bis(2-Chloroethyl)ether	1.135	1.082		4.7	
Phenol	1.456	1.459	0.050	-0.2	20.0
2-Chlorophenol	1.160	1.235		-6.4	
1,3-Dichlorobenzene	1.351	1.440		-6.6	
1,4-Dichlorobenzene	1.301	1.408	0.050	-8.3	20.0
1,2-Dichlorobenzene	1.216	1.329		-9.3	
Benzyl alcohol	0.645	0.698		-8.3	
2,2-oxybis(1-chloropropane)	3.083	2.563		16.9	
2-Methylphenol	0.953	1.017		-6.7	
Hexachloroethane	0.511	0.550		-7.5	
N-Nitroso-di-n-propylamine	0.966	0.905	0.050	6.3	
4-Methylphenol	1.145	1.197		-4.6	
Nitrobenzene	0.429	0.424		1.3	
Isophorone	0.760	0.765		-0.7	
2-Nitrophenol	0.215	0.258	0.050	-19.5	20.0
2,4-Dimethylphenol	0.330	0.352		-6.7	
Benzoic Acid	0.193	0.230		-19.3	
bis(2-Chloroethoxy)methane	0.430	0.440		-2.3	
2,4-Dichlorophenol	0.315	0.368	0.050	-16.6	20.0
1,2,4-Trichlorobenzene	0.355	0.390		-9.9	
Naphthalene	0.839	0.932		-11.1	
4-Chloroaniline	0.368	0.423		-14.9	
Hexachlorobutadiene	0.214	0.223	0.050	-4.2	20.0
4-Chloro-3-methylphenol	0.233	0.260	0.050	-11.5	20.0
2-Methylnaphthalene	0.505	0.565		-11.8	
Hexachlorocyclopentadiene	0.402	0.477	0.050	-18.7	
2,4,6-Trichlorophenol	0.475	0.514	0.050	-8.2	20.0
2,4,5-Trichlorophenol	0.514	0.563		-9.7	
2-Chloronaphthalene	1.174	1.276		-8.7	
2-Nitroaniline	0.501	0.489		2.3	
Acenaphthylene	1.720	1.842		-7.1	
Dimethylphthalate	1.298	1.366		-5.2	
2,6-Dinitrotoluene	0.327	0.366		-11.9	
Acenaphthene	0.981	1.054	0.050	-7.5	20.0
3-Nitroaniline	0.314	0.370		-17.8	
2,4-Dinitrophenol	0.185	0.237	0.050	-27.9	
Dibenzofuran	1.433	1.504		-5.0	
2,4-Dinitrotoluene	0.399	0.432		-8.2	

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: GPL_LABORATORIES Contract: TT_NUS

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Instrument ID: HP#T Calibration Date: 03/30/05 Time: 11:58

Lab File ID: T23352.D Init. Calib. Date(s): 03/14/05 03/14/05

Init. Calib. Times: 10:30 14:09

COMPOUND	RRF	RRF50	MIN RRF	% D	MAX % D
4-Nitrophenol	0.107	0.128	0.050	-19.4	
Fluorene	1.001	1.046		-4.5	
4-Chlorophenyl-phenylether	0.525	0.523		0.4	
Diethylphthalate	1.130	1.193		-5.6	
4-Nitroaniline	0.269	0.309		-14.8	
4,6-Dinitro-2-methylphenol	0.152	0.203		-34.0	
n-Nitrosodiphenylamine	0.466	0.569	0.050	-22.3	20.0
1,2-Diphenylhydrazine	0.866	0.972		-12.2	
4-Bromophenyl-phenylether	0.170	0.190		-11.7	
Hexachlorobenzene	0.217	0.231		-6.6	
Pentachlorophenol	0.129	0.158	0.050	-22.5	20.0
Phenanthrene	0.883	1.013		-14.6	
Anthracene	0.919	1.050		-14.2	
Carbazole	0.805	0.927		-15.2	
Di-n-butylphthalate	1.069	1.308		-22.3	
Fluoranthene	0.914	1.014	0.050	-10.9	20.0
Pyrene	1.313	1.398		-6.5	
Butylbenzylphthalate	0.664	0.830		-24.9	
3,3-Dichlorobenzidine	0.312	0.371		-19.1	
Benzo[a]anthracene	1.083	1.193		-10.2	
Chrysene	1.038	1.055		-1.6	
bis(2-Ethylhexyl)phthalate	0.815	1.121		-37.4	
Di-n-octylphthalate	1.833	2.639	0.050	-44.0	20.0
Benzo[b]fluoranthene	1.319	1.385		-5.0	
Benzo[k]fluoranthene	1.217	1.293		-6.2	
Benzo[a]pyrene	1.158	1.234	0.050	-6.6	20.0
Indeno[1,2,3-cd]pyrene	1.021	1.166		-14.2	
Dibenz[a,h]anthracene	0.827	0.964		-16.5	
Benzo[g,h,i]perylene	0.871	1.001		-14.9	
2-Fluorophenol	1.304	1.354		-3.8	
Phenol-d5	1.410	1.420		-0.7	
Nitrobenzene-d5	0.415	0.425		-2.4	
2-Fluorobiphenyl	1.356	1.489		-9.8	
2,4,6-Tribromophenol	0.182	0.192		-5.4	
Terphenyl-d14	0.748	0.742		0.8	

(1) Cannot be separated from Diphenylamine

All other compounds must meet a minimum RRF of 0.010.

7B

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: GPL_LABORATORIES Contract: TT_NUS

Lab Code: GPL Case No.: N/A SAS No.: N/A SDG No.: N/A

Instrument ID: HP#T Calibration Date: 03/30/05 Time: 12:38

Lab File ID: T23353.D Init. Calib. Date(s): 03/10/05 03/10/05

Init. Calib. Times: 16:26 19:36

COMPOUND	RRF	RRF50	MIN RRF	% D	MAX % D
Pyridine	1.620	1.187		26.8	
Aniline	1.794	1.589		11.4	
Benzidine	0.642	0.494		23.0	

All other compounds must meet a minimum RRF of 0.010.

Surrogate Recovery Summary

Matrix : SOIL **Analytical Method : SW8270C** **SDG No : 503094**

Surrogate	NO2BZD5	PH246BR	PH2F	PHD5	PHEN2F	PHEND14
Lower QC Limits	29	31	20	25	31	26
Upper QC Limits	117	137	106	121	125	160
Sample ID						
BKS74588	83	90	76	86	80	82
BLK74588	85	71	77	80	81	89
SD-11-031805	57	75	50	53	55	77
SD-2-031805	44	72	40	40	48	86
SD-5-031805	58	73	50	56	68	86
SD-6-031805	49	71	45	47	57	88
SD-6-031805MS	47	81	42	49	57	83
SD-6-031805MSD	41	79	37	42	53	86
SD-7-031805	46	69	42	43	51	86
SD-8-031805	43	72	39	39	48	79
SD-9-031805	47	75	41	43	47	81

090

* Value outside of QC Limts

NO2BZD5 = Nitrobenzene-d5 PH246BR = 2,4,6-Tribromophenol PH2F = 2-Fluorophenol PHD5 = Phenol-d5 PHEN2F = 2-Fluorobiphenyl PHEND14 = p-Terphenyl-d14

Surrogate Recovery Summary

Matrix : SOIL **Analytical Method : SW8270C** **SDG No : 503094**

Surrogate	NO2BZD5	PH246BR	PH2F	PHD5	PHEN2F	PHEND14
Lower QC Limits	29	31	20	25	31	26
Upper QC Limits	117	137	106	121	125	160
Sample ID						
SD-10-031805	52	75	46	53	56	89
SD-12-031805	49	72	42	50	57	87

061

* Value outside of QC Limts

NO2BZD5 = Nitrobenzene-d5 PH246BR = 2,4,6-Tribromophenol PH2F = 2-Fluorophenol PHD5 = Phenol-d5 PHEN2F = 2-Fluorobiphenyl PHEND14 = p-Terphenyl-d14

GPL Laboratories

MS/MSD RECOVERY

SAMPLE NO
SD-6-031805MSD

Lab Name : GPL Laboratories SDG NO : 503094 Method : SW8270C

Lab Code GPL Lab Sample ID : 503094-005-029-1/3MSD Matrix : SOIL Analysis Date : 03/29/2005

Compound	Spike Added (ug/kg)		CONCENTRATION (ug/kg)			%RECOVERY		% RPD	RPD Limit	QC Limits
	MS	MSD	Sample	MS	MSD	MS	MSD			
1,2,4-Trichlorobenzene	7800	7800	0	4200	3700	54	47	14	23	44-114
1,4-Dichlorobenzene	7800	7800	0	4200	3600	54	46	16	27	41-111
2,4-Dinitrotoluene	7800	7800	0	6800	6800	87	87	0	47	46-136
2-Chlorophenol	7800	7800	0	4000	3300	51	42	19	50	30-122
4-Nitrophenol	7800	7800	0	7700	6700	99	86	14	50	13-149
4-chloro-3-methylphenol	7800	7800	0	6500	5900	83	76	9	33	25-131
Acenaphthene	7800	7800	0	5200	4900	67	63	6	19	43-127
Pentachlorophenol	7800	7800	0	7800	7200	100	92	8	47	11-133
Phenol	7800	7800	0	3900	3200	50	41	20	35	31-113
Pyrene	7800	7800	870	6200	6400	68	71	4	36	30-144
n-Nitrosodi-n-Propylamine	7800	7800	0	3800	3200	49	41	18	38	38-128

062

Column to be used to flag recovery and RPD Values with an aster

* Values Outside of QC Limits.

RPD 0 Out of 11 Outside Limit
Spike Recovery : 0 Out of 22 outside limit

Surrogate Recovery Summary

Matrix : SOIL **Analytical Method : SW8082** **SDG No : 503094**

Surrogate	CL10BZ2	XYL2456CLM
Lower QC Limits	47	54
Upper QC Limits	161	168
Sample ID		
BKS74568	65	75
	65	76
BLK74568	73	89
	72	90
SD-10-031805 DL	77	98
	122	85
SD-11-031805 DL	182 *	55
	69	78
SD-12-031805 DL	126	78
	82	85
SD-2-031805	81	81
	67	77
SD-5-031805	175 *	147
	105	146
SD-6-031805	72	88
	104	90
SD-6-031805MS	49	58
	75	60
SD-6-031805MSD	86	66
	54	66
SD-7-031805	70	75
	61	76
SD-8-031805	142	106
	92	111
SD-9-031805 DL	195 *	165
	260 *	95

122

* Value outside of QC Limts

CL10BZ2 = Decachlorobiphenyl XYL2456CLM = Tetrachloro-m-xylene

GPL Laboratories

MS/MSD RECOVERY

SAMPLE NO
SD-6-031805MSD

Lab Name : GPL Laboratories SDG NO : 503094 Method : SW8082

Lab Code : GPL Lab Sample ID : 503094-005-029-1/3MSD Matrix : SOIL Analysis Date : 03/29/2005

Compound	Spike Added (ug/kg)		CONCENTRATION (ug/kg)			%RECOVERY		% RPD	RPD Limit	QC Limits
	MS	MSD	Sample	MS	MSD	MS	MSD			
PCB-1016	390	390	0	700	870	181 *	223 *	21 *	20	58-148
PCB-1260	390	390	540	620	770	20 *	60	100 *	15	55-151

Column to be used to flag recovery and RPD Values with an asterisk.

* Values Outside of QC Limits.

RPD 2 Out of 2 Outside Limit
Spike Recovery : 3 Out of 4 outside limit

GPL Laboratories

LCS SUMMARY

SAMPLE NO
BKS74568

Lab Name : GPL Laboratories
Lab Code : GPL
Matrix : SOIL
Method : SW8082

Contract. : Middle River
SDG NO : 503094
Lab Sample ID : BKS74568
Analysis Date : 03/29/2005

COMPOUND	SPIKE ADDED (ug/kg)	BLANK CONCENTRATION (ug/kg)	LCS CONCENTRATION (ug/kg)	LCS % REC	QC LIMTS
PCB-1016	170	0	150	89	66-140
PCB-1260	170	0	140	81	64-143

* Values Outside of QC Limits.

Spike recovery : 0 out of 2 outside limits

SW8082

GPL Laboratories

GPL
FORM 4
PESTICIDE METHOD BLANK SUMMARY

SAMPLE NO
BLK74568

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	74568
Lab File ID :	U018662.D	SDG NO :	503094
Date Extracted :	03/25/2005	Lab Sample ID :	BLK74568
Date Analyzed(1)	03/29/2005	Time Analyzed (1):	16:47
Date Analyzed (2)	03/29/2005	Time Analyzed(2)	16:47
GC Column(1)	RTx-CLP ID : _____ (mm)	GC Column(2) :	RTx-CLP2 ID : _____ (mm)
Matrix :(Soil/Water).	SOIL	Extraction:	SepF / Cont / Sonc
Sulfur Cleanup:(Y/N).	N		

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

Client Sample ID	Lab Sample ID	Date Analyzed 1	Date Analyzed 2
SD-5-031805	503094-006-013-1/1	03/30/2005	03/30/2005
BKS74568	BKS74568	03/29/2005	03/29/2005
SD-7-031805	503094-001-009-1/1	03/29/2005	03/29/2005
SD-10-031805 DL	503094-007-014-1/1	03/30/2005	03/30/2005
SD-10-031805 DL	503094-007-014-1/1	03/30/2005	03/30/2005
SD-8-031805	503094-002-010-1/1	03/29/2005	03/29/2005
SD-11-031805 DL	503094-008-015-1/1	03/30/2005	03/30/2005
SD-2-031805	503094-004-012-1/1	03/29/2005	03/29/2005
SD-6-031805	503094-005-029-1/3	03/29/2005	03/29/2005
SD-6-031805MS	503094-005-029-1/3MS	03/29/2005	03/29/2005
SD-6-031805MSD	503094-005-029-1/3MSD	03/29/2005	03/29/2005
SD-9-031805 DL	503094-003-011-1/1	04/08/2005	04/08/2005
SD-12-031805 DL	503094-009-016-1/1	04/08/2005	04/08/2005

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
BLK74568

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	
Case No. :		SDG NO :	503094
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	BLK74568
Sample Volume :	30	Lab File ID :	U018662.D
% Moisture:		Date Received	
Extraction:	SW3550	Date Extracted:	03/25/2005
Extract Volume:	10 mL	Date Analyzed	03/29/2005
Injection Volume :	1 µL	Dilution Factor :	1
GPC Clean up (Y/N):	N pH:		

Concentration Units (ug/L or ug/kg dry weight) : ug/kg

CAS NO	COMPOUND		Q
12674-11-2	PCB-1016	33	U
11104-28-2	PCB-1221	33	U
11141-16-5	PCB-1232	33	U
53469-21-9	PCB-1242	33	U
12672-29-6	PCB-1248	33	U
11097-69-1	PCB-1254	33	U
11096-82-5	PCB-1260	33	U

GPL Laboratories, LLLP

Percent Solids Determination Log

Method Title: CLP_SOLIDS **Analyst:** Virginia ZUSMAN

Method Reference: Percent Solids by CLP **Reviewed By/Date:** 3/23/05

Analytical Balance ID: Saratorius CP153 **Analytical Batch:** 75060

Date/Time In (Oven): 03/22/2005 12:52 **Oven Temperature:** 104C

Date/Time Out (Oven): 03/23/2005 12:52 **Oven Temperature:** 105C

Dessicator Temp: 22C **% Humidity (<20%):** 12%

Drying Oven Temp Maintained at 103-105C

SDG	Lab Sample ID	Client Sample ID	Weight of Dish	Weight of Wet Sample + Dish	Weight of Dry Sample + Dish	Percent Moisture	RPD
503038	503038-001-003-1/1	103-GVW-030205	0.9110g	10.4030g	9.3950g	10.6%	
503038	503038-001-003-1/1	103-GVW-030205D	0.9110g	10.4030g	9.3950g	10.6%	
503038	503038-002-004-1/1	103-GVE-030205	0.9100g	10.2550g	8.8820g	14.7%	
503077	503077-016-098-1/1	SD-1-031705	0.9070g	10.2070g	8.4690g	18.7%	
503077	503077-017-099-1/1	SD-3-031705	0.9070g	10.2980g	8.8540g	15.4%	
503077	503077-018-100-1/1	SD-04-031705	0.9070g	10.4300g	7.7770g	27.9%	
503080	503080-001-001-1/1	05-03-159-01	0.9050g	10.4720g	9.7780g	7.3%	
503080	503080-002-002-1/1	05-03-159-02	0.9060g	10.5090g	9.7280g	8.1%	
503080	503080-003-003-1/1	05-03-159-03	0.9040g	10.4480g	10.0400g	4.3%	
503080	503080-004-004-1/1	05-03-159-04	0.9100g	10.8580g	10.5270g	3.3%	
503080	503080-005-005-1/1	05-03-159-05	0.9100g	10.5040g	9.4100g	11.4%	
503080	503080-006-006-1/1	05-03-159-06	0.9060g	10.4700g	9.1370g	13.9%	
503086	503086-001-001-1/1	05-03-223-01	0.9100g	10.5580g	8.4620g	21.7%	
503086	503086-002-002-1/1	05-03-223-02	0.9110g	10.4210g	8.1560g	23.8%	
503086	503086-003-003-1/1	05-03-223-03	0.9090g	10.6820g	8.1230g	26.2%	
503087	503087-002-048-1/1	AS01-SD05A-R10	0.9090g	10.8060g	9.0530g	17.7%	
503087	503087-004-049-1/1	AS01-SD04A-R10	0.9090g	10.2170g	8.0670g	23.1%	
503087	503087-006-050-1/1	AS01-SD03A-R10	0.9040g	10.4660g	8.4580g	21.0%	
503087	503087-008-051-1/1	AS01-SD02A-R10	0.9100g	10.4570g	8.7620g	17.8%	
503087	503087-010-052-1/1	AS01-SD01A-R10	0.9070g	10.3020g	9.2910g	10.8%	
503093	503093-001-001-1/1	0311-CR-S1	0.9120g	10.2860g	8.9350g	14.4%	
503093	503093-002-002-1/1	0311-CR-S2	0.9090g	10.1480g	9.0140g	12.3%	
503094	503094-001-017-1/1	SD-7-031805	0.9060g	10.7560g	5.7030g	51.3%	
503094	503094-002-018-1/1	SD-8-031805	0.9070g	10.3920g	5.6060g	50.5%	
503094	503094-003-019-1/1	SD-9-031805	0.9130g	10.4220g	3.9160g	68.4%	
503094	503094-004-020-1/1	SD-2-031805	0.9040g	10.5430g	4.8990g	58.6%	
503094	503094-004-020-1/1	SD-2-031805D	0.9040g	10.5430g	4.8990g	58.6%	

GPL Laboratories, LLLP

Percent Solids Determination Log

Method Title: CLP_SOLIDS
Analyst: Virginia ZUSMAN
Method Reference: Percent Solids by CLP
Reviewed By/Date: 3/23/05
Analytical Balance ID: Saratorius CP153
Analytical Batch: 75060
Date/Time In (Oven): 03/22/2005 12:52
Oven Temperature: 104C
Date/Time Out (Oven): 03/23/2005 12:52
Oven Temperature: 105C
Dessicator Temp: 22C
% Humidity (<20%): 12%

Drying Oven Temp Maintained at 103-105C

SDG	Lab Sample ID	Client Sample ID	Weight of Dish	Weight of Wet Sample + Dish	Weight of Dry Sample + Dish	Percent Moisture	RPD
503094	503094-005-032-1/3	SD-6-031805	0.9290g	10.5640g	5.0220g	57.5%	
503094	503094-005-032-1/3	SD-6-031805D	0.9290g	10.5640g	5.0220g	57.5%	
503094	503094-006-021-1/1	SD-5-031805	0.9030g	10.6690g	5.6960g	50.9%	
503094	503094-007-022-1/1	SD-10-031805	0.9150g	10.4750g	4.2230g	65.4%	
503094	503094-008-023-1/1	SD-11-031805	0.9180g	10.6210g	6.3420g	44.1%	
503094	503094-009-024-1/1	SD-12-031805	0.9080g	10.4730g	3.7960g	69.8%	

GPL LABORATORIES, LLP
ANALYTICAL RESULTS

Project Name : Middle River

Date Printed: April 18, 2005

GPL ID	Client ID
503094-007-006-1/1	SD-10-031805
503094-007-014-1/1	SD-10-031805
503094-007-022-1/1	SD-10-031805
503094-007-014-1/1	SD-10-031805 DL
503094-007-014-1/1	SD-10-031805 DL
503094-008-007-1/1	SD-11-031805
503094-008-015-1/1	SD-11-031805
503094-008-023-1/1	SD-11-031805
503094-008-015-1/1	SD-11-031805 DL
503094-009-008-1/1	SD-12-031805
503094-009-016-1/1	SD-12-031805
503094-009-024-1/1	SD-12-031805
503094-009-016-1/1	SD-12-031805 DL
503094-004-004-1/1	SD-2-031805
503094-004-012-1/1	SD-2-031805
503094-004-020-1/1	SD-2-031805
503094-006-005-1/1	SD-5-031805
503094-006-013-1/1	SD-5-031805
503094-006-021-1/1	SD-5-031805
503094-005-025-1/3	SD-6-031805
503094-005-029-1/3	SD-6-031805
503094-005-032-1/3	SD-6-031805
503094-001-001-1/1	SD-7-031805
503094-001-009-1/1	SD-7-031805
503094-001-017-1/1	SD-7-031805
503094-002-002-1/1	SD-8-031805
503094-002-010-1/1	SD-8-031805
503094-002-018-1/1	SD-8-031805
503094-003-003-1/1	SD-9-031805
503094-003-011-1/1	SD-9-031805
503094-003-019-1/1	SD-9-031805
503094-003-011-1/1	SD-9-031805 DL
503094-010-028-1/1	TB-031805

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO: **B. BRODERSEN** **DATE:** **JUNE 9, 2005**

FROM: **ETHAN G. LEE** **COPIES:** **DV FILE**

SUBJECT: **INORGANIC DATA VALIDATION – METALS AND HEXAVALENT CHROMIUM**
LOCKHEED MIDDLE RIVER
SAMPLE DELIVERY GROUP (SDG) – 503094

SAMPLES: 9/SEDIMENT/

SD-10-031805	SD-11-031805	SD-12-031805
SD-2-031805	SD-5-031805	SD-6-031805
SD-7-031805	SD-8-031805	SD-9-031805

Overview

The sample set for SDG 503094, Lockheed Middle River, consists of nine (9) sediment environmental samples.

All samples were analyzed for select metals (antimony, arsenic, beryllium, cadmium, chromium, copper, lead, mercury, nickel, selenium, silver, thallium, zinc) and hexavalent chromium. The samples were collected by Tetra Tech NUS on March 18, 2005 and analyzed by GPL Laboratories, LLLP. Metals analyses except mercury were conducted using SW-846 method 6010B. Mercury analyses were conducted using SW-846 method 7471A. Hexavalent chromium analyses were conducted using SW-846 method 7196A.

Summary

All analytes were successfully analyzed. The findings offered in this report are based upon a general review of all available data. The data review was based on data completeness, holding times, calibration data, laboratory method/preparation blanks, matrix spike results, post digestion spike (PDS) results, laboratory duplicate results, laboratory control sample (LCS) results, ICP serial dilution results, detection limits and analyte quantitation.

Metals analyses except mercury were conducted using Inductively Couple Plasma (ICP) methodology. Mercury analyses were conducted using Cold Vapor Atomic Absorption (CVAA) methodology.

Areas of concern with respect to data quality are listed below.

Minor Problems

- The CRDL standard run on 3/28/05 at 17:41 had a percent recovery (%R) >110% for arsenic. Positive results reported for arsenic <2X the CRDL were qualified as biased high (K).

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

Analyte	Maximum Concentration	Action Level
Antimony[(1)]	0.58 mg/kg	2.9 mg/kg
Beryllium	0.2 ug/L	0.1 mg/kg
Cadmium	0.5 ug/L	0.25 mg/kg
Chromium	0.9 ug/L	0.45 mg/kg
Nickel	0.7 ug/L	0.35 mg/kg
Thallium	7.1 ug/L	3.55 mg/kg

[(1)] Maximum concentration present in sediment 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 below the action level for antimony and thallium were qualified (B) as a result of blank contamination. The remaining analytes were not qualified for blank contamination because the results were either above the action level or they were nondetects.

- The matrix spike (MS) had a %R >125% for cadmium. Positive results reported for cadmium were qualified as biased high (K).

- The ICP serial dilution had a percent difference (%D) >10% and initial sample concentration >50X the instrument detection limit (IDL) for beryllium. Positive results reported for beryllium were qualified as estimated (J).

Notes

The original data package submittal from the laboratory was missing calibration data, preparation data, the instrument run log, and raw data. The data reviewer contacted the laboratory and the missing data were submitted.

The CRDL standard run on 3/28/05 at 17:41 had %Rs >110% for antimony and lead and <90% for beryllium. No qualification action was required for antimony, beryllium, or lead because the results were either previously qualified for laboratory blank contamination or the concentrations were >2X the CRDL.

The MS had a %R <75% for antimony. No qualification action was required because all results were previously qualified for laboratory blank contamination.

Executive Summary

Laboratory Performance: Arsenic was qualified due to calibration noncompliance. Several analytes were present in the laboratory method/preparation blanks.

Other Factors Affecting Data Quality: Cadmium was qualified due to matrix spike noncompliance. Beryllium was qualified due to ICP serial dilution noncompliance.

The data for these analyses were reviewed with reference to the "National Functional Guidelines for Inorganic Data Validation", April 1993 as amended for use within USEPA Region III.

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

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

Data Qualifier Key:

U	-	Value is a nondetect as reported by the laboratory.
B	-	Positive result is considered to be an artifact of blank contamination and should not be considered present.
J	-	Positive result is considered estimated as a result of technical noncompliance.
K	-	Positive result is considered biased high as a result of technical noncompliance.

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: 00076

SDG: 503094 MEDIA: SOIL DATA FRACTION: M

nsample	SD-10-031805
samp_date	3/18/2005
lab_id	503094-007
qc_type	NM
units	MG/KG
Pct_Solids	34.6
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANTIMONY	1.9	B	A
ARSENIC	9.4		
BERYLLIUM	2.1	J	I
CADMIUM	4.9	K	D
CHROMIUM	87.1		
COPPER	119		
LEAD	88.9		
MERCURY	0.27		
NICKEL	33		
SELENIUM	2.1		
SILVER	1.4		
THALLIUM	0.67	U	
ZINC	339		

nsample	SD-11-031805
samp_date	3/18/2005
lab_id	503094-008
qc_type	NM
units	MG/KG
Pct_Solids	55.9
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANTIMONY	1	B	A
ARSENIC	5.3		
BERYLLIUM	1	J	I
CADMIUM	3.5	K	D
CHROMIUM	58.1		
COPPER	64.3		
LEAD	59.6		
MERCURY	0.21		
NICKEL	16.5		
SELENIUM	1.4		
SILVER	2.9		
THALLIUM	0.44	U	
ZINC	199		

nsample	SD-12-031805
samp_date	3/18/2005
lab_id	503094-009
qc_type	NM
units	MG/KG
Pct_Solids	30.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANTIMONY	2.1	B	A
ARSENIC	9.7		
BERYLLIUM	2.2	J	I
CADMIUM	5.9	K	D
CHROMIUM	106		
COPPER	140		
LEAD	115		
MERCURY	0.35		
NICKEL	35.6		
SELENIUM	2.9		
SILVER	2		
THALLIUM	0.77	U	
ZINC	423		

PROJ_NO: 00076

SDG: 503094 MEDIA: SOIL DATA FRACTION: M

nsample	SD-2-031805
samp_date	3/18/2005
lab_id	503094-004
qc_type	NM
units	MG/KG
Pct_Solids	41.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANTIMONY	1.1	B	A
ARSENIC	5.7	K	C
BERYLLIUM	1.1	J	I
CADMIUM	7.9	K	D
CHROMIUM	138		
COPPER	113		
LEAD	101		
MERCURY	0.34		
NICKEL	23.2		
SELENIUM	1.9		
SILVER	1.3		
THALLIUM	0.56	U	
ZINC	230		

nsample	SD-5-031805
samp_date	3/18/2005
lab_id	503094-006
qc_type	NM
units	MG/KG
Pct_Solids	49.1
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANTIMONY	1.9	B	A
ARSENIC	4.6		
BERYLLIUM	1	J	I
CADMIUM	20.9	K	D
CHROMIUM	203		
COPPER	61.2		
LEAD	107		
MERCURY	0.1		
NICKEL	30		
SELENIUM	0.87		
SILVER	0.77		
THALLIUM	0.42	U	
ZINC	331		

nsample	SD-6-031805
samp_date	3/18/2005
lab_id	503094-005
qc_type	NM
units	MG/KG
Pct_Solids	42.5
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANTIMONY	1.7	B	A
ARSENIC	4.8	K	C
BERYLLIUM	1.3	J	I
CADMIUM	34.8	K	D
CHROMIUM	391		
COPPER	84.8		
LEAD	145		
MERCURY	0.32		
NICKEL	27.3		
SELENIUM	1		
SILVER	2.6		
THALLIUM	0.51	U	
ZINC	425		

PROJ_NO: 00076

SDG: 503094 MEDIA: SOIL DATA FRACTION: M

nsample	SD-7-031805
samp_date	3/18/2005
lab_id	503094-001
qc_type	NM
units	MG/KG
Pct_Solids	48.7
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANTIMONY	0.47	B	A
ARSENIC	4.3	K	C
BERYLLIUM	1.1	J	I
CADMIUM	5.6	K	D
CHROMIUM	76.8		
COPPER	41.2		
LEAD	64.1		
MERCURY	0.084		
NICKEL	12.3		
SELENIUM	0.9		
SILVER	0.46		
THALLIUM	0.46	U	
ZINC	138		

nsample	SD-8-031805
samp_date	3/18/2005
lab_id	503094-002
qc_type	NM
units	MG/KG
Pct_Solids	49.5
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANTIMONY	1.1	B	A
ARSENIC	5.9		
BERYLLIUM	1.2	J	I
CADMIUM	5	K	D
CHROMIUM	89.1		
COPPER	82.6		
LEAD	67.8		
MERCURY	0.17		
NICKEL	19.6		
SELENIUM	0.85		
SILVER	0.79		
THALLIUM	0.46	B	A
ZINC	184		

nsample	SD-9-031805
samp_date	3/18/2005
lab_id	503094-003
qc_type	NM
units	MG/KG
Pct_Solids	31.6
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANTIMONY	2.1	B	A
ARSENIC	11.6		
BERYLLIUM	1.7	J	I
CADMIUM	6.1	K	D
CHROMIUM	103		
COPPER	159		
LEAD	103		
MERCURY	0.3		
NICKEL	39		
SELENIUM	2.1		
SILVER	1.2		
THALLIUM	0.69	U	
ZINC	401		

PROJ_NO: 00076

SDG: 503094 MEDIA: SOIL DATA FRACTION: MISC

nsample	SD-10-031805
samp_date	3/18/2005
lab_id	503094-007
qc_type	NM
Pct_Solids	34.6
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
HEXAVALENT CHROMIUM	MG/KG	1.2	U	
PERCENT SOLIDS	%	35		

nsample	SD-11-031805
samp_date	3/18/2005
lab_id	503094-008
qc_type	NM
Pct_Solids	55.9
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
HEXAVALENT CHROMIUM	MG/KG	0.74		
PERCENT SOLIDS	%	56		

nsample	SD-12-031805
samp_date	3/18/2005
lab_id	503094-009
qc_type	NM
Pct_Solids	30.2
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
HEXAVALENT CHROMIUM	MG/KG	1.4	U	
PERCENT SOLIDS	%	30		

PROJ_NO: 00076

SDG: 503094 MEDIA: SOIL DATA FRACTION: MISC

nsample	SD-2-031805
samp_date	3/18/2005
lab_id	503094-004
qc_type	NM
Pct_Solids	41.4
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
HEXAVALENT CHROMIUM	MG/KG	0.87	U	
PERCENT SOLIDS	%	42		

nsample	SD-5-031805
samp_date	3/18/2005
lab_id	503094-006
qc_type	NM
Pct_Solids	49.1
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
HEXAVALENT CHROMIUM	MG/KG	0.72	U	
PERCENT SOLIDS	%	49		

nsample	SD-6-031805
samp_date	3/18/2005
lab_id	503094-005
qc_type	NM
Pct_Solids	42.5
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
HEXAVALENT CHROMIUM	MG/KG	0.87	U	
PERCENT SOLIDS	%	44		

PROJ_NO: 00076

SDG: 503094 MEDIA: SOIL DATA FRACTION: MISC

nsample	SD-7-031805	nsample	SD-8-031805	nsample	SD-9-031805
samp_date	3/18/2005	samp_date	3/18/2005	samp_date	3/18/2005
lab_id	503094-001	lab_id	503094-002	lab_id	503094-003
qc_type	NM	qc_type	NM	qc_type	NM
Pct_Solids	48.7	Pct_Solids	49.5	Pct_Solids	31.6
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
HEXAVALENT CHROMIUM	MG/KG	1.2		
PERCENT SOLIDS	%	49		

Parameter	units	Result	Val Qual	Qual Code
HEXAVALENT CHROMIUM	MG/KG	0.74	U	
PERCENT SOLIDS	%	50		

Parameter	units	Result	Val Qual	Qual Code
HEXAVALENT CHROMIUM	MG/KG	1.3	U	
PERCENT SOLIDS	%	32		

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

USEPA - CLP

1A - IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SD-10-031805

Lab Name: GPL LABORATORIES, LL Contract:

Lab Code: Case No.: NRAS No.: SDG No.: 503094

Matrix: (soil/water) SOIL Lab Sample ID: S 503094-007-022-1/1

Level: (low/med) Date Recieved: 03/18/2005

% Solids: 34.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	1.9	J	N	P
7440-38-2	Arsenic	9.4			P
7441-41-7	Beryllium	2.1		E	P
7440-43-9	Cadmium	4.9		N	P
7440-47-3	Chromium	87.1			P
7440-50-8	Copper	119			P
7439-92-1	Lead	88.9			P
7439-97-6	Mercury	0.27		*	AV
7440-02-0	Nickel	33.0			P
7782-49-2	Selenium	2.1	J		P
7440-22-4	Silver	1.4			P
7440-28-0	Thallium	0.67	U		P
7440-66-6	Zinc	339			P

Color Before: NA Clarity Before: NA Texture: NA

Color After: NA Clarity After: NA Artifacts: NA

Comments:

USEPA - CLP

1A - IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SD-11-031805

Lab Name: GPL LABORATORIES, LL Contract:

Lab Code: Case No.: NRAS No.: SDG No.: 503094

Matrix: (soil/water) SOIL Lab Sample ID: S 503094-008-023-1/1

Level: (low/med) Date Recieved: 03/18/2005

% Solids: 55.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	1.0	J	N	P
7440-38-2	Arsenic	5.3			P
7441-41-7	Beryllium	1.0		E	P
7440-43-9	Cadmium	3.5		N	P
7440-47-3	Chromium	58.1			P
7440-50-8	Copper	64.3			P
7439-92-1	Lead	59.6			P
7439-97-6	Mercury	0.21		*	AV
7440-02-0	Nickel	16.5			P
7782-49-2	Selenium	1.4	J		P
7440-22-4	Silver	2.9			P
7440-28-0	Thallium	0.44	U		P
7440-66-6	Zinc	199			P

Color Before: NA Clarity Before: NA Texture: NA

Color After: NA Clarity After: NA Artifacts: NA

Comments:

FORM IA - IN SW846

USEPA - CLP

1A - IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SD-12-031805

Lab Name: GPL LABORATORIES, LL Contract:

Lab Code: Case No.: NRAS No.: SDG No.: 503094

Matrix: (soil/water) SOIL Lab Sample ID: S 503094-009-024-1/1

Level: (low/med) Date Recieved: 03/18/2005

% Solids: 30.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	2.1	J	N	P
7440-38-2	Arsenic	9.7			P
7441-41-7	Beryllium	2.2		E	P
7440-43-9	Cadmium	5.9		N	P
7440-47-3	Chromium	106			P
7440-50-8	Copper	140			P
7439-92-1	Lead	115			P
7439-97-6	Mercury	0.35		*	AV
7440-02-0	Nickel	35.6			P
7782-49-2	Selenium	2.9	J		P
7440-22-4	Silver	2.0			P
7440-28-0	Thallium	0.77	U		P
7440-66-6	Zinc	423			P

Color Before: NA Clarity Before: NA Texture: NA

Color After: NA Clarity After: NA Artifacts: NA

Comments:

FORM IA - IN SW846

USEPA - CLP

1A - IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SD-2-031805

Lab Name: GPL LABORATORIES, LL Contract:

Lab Code: Case No.: NRAS No.: SDG No.: 503094

Matrix: (soil/water) SOIL Lab Sample ID: S 503094-004-020-1/1

Level: (low/med) Date Recieved: 03/18/2005

% Solids: 41.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	1.1	J	N	P
7440-38-2	Arsenic	5.7			P
7441-41-7	Beryllium	1.1		E	P
7440-43-9	Cadmium	7.9		N	P
7440-47-3	Chromium	138			P
7440-50-8	Copper	113			P
7439-92-1	Lead	101			P
7439-97-6	Mercury	0.34		*	AV
7440-02-0	Nickel	23.2			P
7782-49-2	Selenium	1.9	J		P
7440-22-4	Silver	1.3			P
7440-28-0	Thallium	0.56	U		P
7440-66-6	Zinc	230			P

Color Before: NA Clarity Before: NA Texture: NA

Color After: NA Clarity After: NA Artifacts: NA

Comments:

FORM IA - IN SW846

USEPA - CLP

1A - IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SD-5-031805

Lab Name: GPL LABORATORIES, LL Contract:

Lab Code: Case No.: NRAS No.: SDG No.: 503094

Matrix: (soil/water) SOIL Lab Sample ID: S 503094-006-021-1/1

Level: (low/med) Date Recieved: 03/18/2005

% Solids: 49.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	1.9	J	N	P
7440-38-2	Arsenic	4.6			P
7441-41-7	Beryllium	1.0		E	P
7440-43-9	Cadmium	20.9		N	P
7440-47-3	Chromium	203			P
7440-50-8	Copper	61.2			P
7439-92-1	Lead	107			P
7439-97-6	Mercury	0.10		*	AV
7440-02-0	Nickel	30.0			P
7782-49-2	Selenium	0.87	J		P
7440-22-4	Silver	0.77			P
7440-28-0	Thallium	0.42	U		P
7440-66-6	Zinc	331			P

Color Before: NA Clarity Before: NA Texture: NA

Color After: NA Clarity After: NA Artifacts: NA

Comments:

USEPA - CLP

1A - IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SD-6-031805

Lab Name: GPL LABORATORIES, LL Contract:

Lab Code: Case No.: NRAS No.: SDG No.: 503094

Matrix: (soil/water) SOIL Lab Sample ID: S 503094-005-032-1/3

Level: (low/med) Date Recieved: 03/18/2005

% Solids: 42.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	1.7	J	N	P
7440-38-2	Arsenic	4.8			P
7441-41-7	Beryllium	1.3		E	P
7440-43-9	Cadmium	34.8		N	P
7440-47-3	Chromium	391			P
7440-50-8	Copper	84.8			P
7439-92-1	Lead	145			P
7439-97-6	Mercury	0.32		*	AV
7440-02-0	Nickel	27.3			P
7782-49-2	Selenium	1.0	J		P
7440-22-4	Silver	2.6			P
7440-28-0	Thallium	0.51	U		P
7440-66-6	Zinc	425			P

Color Before: NA Clarity Before: NA Texture: NA

Color After: NA Clarity After: NA Artifacts: NA

Comments:

USEPA - CLP

1A - IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

SD-7-031805

Lab Name: GPL LABORATORIES, LL Contract:

Lab Code: Case No.: NRAS No.: SDG No: 503094

Matrix: (soil/water) SOIL Lab Sample ID: S 503094-001-017-1/1

Level: (low/med) Date Recieved: 03/18/2005

% Solids: 48.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	0.47	J	N	P
7440-38-2	Arsenic	4.3			P
7441-41-7	Beryllium	1.1		E	P
7440-43-9	Cadmium	5.6		N	P
7440-47-3	Chromium	76.8			P
7440-50-8	Copper	41.2			P
7439-92-1	Lead	64.1			P
7439-97-6	Mercury	0.084		*	AV
7440-02-0	Nickel	12.3			P
7782-49-2	Selenium	0.90	J		P
7440-22-4	Silver	0.46			P
7440-28-0	Thallium	0.46	U		P
7440-66-6	Zinc	138			P

Color Before: NA Clarity Before: NA Texture NA

Color After: NA Clarity After: NA Artifacts: NA

Comments:

FORM IA - IN SW846

USEPA - CLP

1A - IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SD-8-031805

Lab Name: GPL LABORATORIES, LL Contract:

Lab Code: Case No.: NRAS No.: SDG No.: 503094

Matrix: (soil/water) SOIL Lab Sample ID: S 503094-002-018-1/1

Level: (low/med) Date Recieved: 03/18/2005

% Solids: 49.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	1.1	J	N	P
7440-38-2	Arsenic	5.9			P
7441-41-7	Beryllium	1.2		E	P
7440-43-9	Cadmium	5.0		N	P
7440-47-3	Chromium	89.1			P
7440-50-8	Copper	82.6			P
7439-92-1	Lead	67.8			P
7439-97-6	Mercury	0.17		*	AV
7440-02-0	Nickel	19.6			P
7782-49-2	Selenium	0.85	J		P
7440-22-4	Silver	0.79			P
7440-28-0	Thallium	0.46	J		P
7440-66-6	Zinc	184			P

Color Before: NA Clarity Before: NA Texture: NA

Color After: NA Clarity After: NA Artifacts: NA

Comments:

USEPA - CLP

1A - IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

SD-9-031805

Lab Name: GPL LABORATORIES, LL Contract:

Lab Code: Case No.: NRAS No.: SDG No.: 503094

Matrix: (soil/water) SOIL Lab Sample ID: S 503094-003-019-1/1

Level: (low/med) Date Recieved: 03/18/2005

% Solids: 31.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	2.1	J	N	P
7440-38-2	Arsenic	11.6			P
7441-41-7	Beryllium	1.7		E	P
7440-43-9	Cadmium	6.1		N	P
7440-47-3	Chromium	103			P
7440-50-8	Copper	159			P
7439-92-1	Lead	103			P
7439-97-6	Mercury	0.30		*	AV
7440-02-0	Nickel	39.0			P
7782-49-2	Selenium	2.1	J		P
7440-22-4	Silver	1.2			P
7440-28-0	Thallium	0.69	U		P
7440-66-6	Zinc	401			P

Color Before: NA Clarity Before: NA Texture: NA

Color After: NA Clarity After: NA Artifacts: NA

Comments:

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SD-10-031805

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	503094
Case No. :		SDG NO :	503094
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	503094-007-022-1/1
Sample Volume :	2.46	Lab File ID :	
Level :	Low	Date Received	03/18/2005
% Moisture: not dec	65.4	Date Analyzed	04/03/2005
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
18540-29-9	Chromium, Hexavalent	1.2	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SD-11-031805

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	503094
Case No. :		SDG NO :	503094
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	503094-008-023-1/1
Sample Volume :	2.56	Lab File ID :	
Level :	Low	Date Received	03/18/2005
% Moisture: not dec	44.1	Date Analyzed	04/03/2005
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
18540-29-9	Chromium, Hexavalent	0.74	

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SD-12-031805

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	503094
Case No. :		SDG NO :	503094
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	503094-009-024-1/1
Sample Volume :	2.33	Lab File ID :	
Level :	Low	Date Received	03/18/2005
% Moisture: not dec	69.81	Date Analyzed	04/03/2005
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
18540-29-9	Chromium, Hexavalent	1.4	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SD-2-031805

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	503094
Case No. :		SDG NO :	503094
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	503094-004-020-1/1
Sample Volume :	2.76	Lab File ID :	
Level :	Low	Date Received	03/18/2005
% Moisture: not dec	58.55	Date Analyzed	04/03/2005
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
18540-29-9	Chromium, Hexavalent	0.87	U

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

SAMPLE NO
SD-5-031805

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	503094
Case No. :		SDG NO :	503094
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	503094-006-021-1/1
Sample Volume :	2.83	Lab File ID :	
Level :	Low	Date Received	03/18/2005
% Moisture: not dec	50.92	Date Analyzed	04/03/2005
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
18540-29-9	Chromium, Hexavalent	0.72	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SD-6-031805

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	503094
Case No. :		SDG NO :	503094
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	503094-005-032-1/3
Sample Volume :	2.7	Lab File ID :	
Level :	Low	Date Received	03/18/2005
% Moisture: not dec	57.52	Date Analyzed	04/03/2005
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
18540-29-9	Chromium, Hexavalent	0.87	U

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

SAMPLE NO
SD-7-031805

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	503094
Case No. :		SDG NO :	503094
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	503094-001-017-1/1
Sample Volume :	2.73	Lab File ID :	
Level :	Low	Date Received	03/18/2005
% Moisture: not dec	51.3	Date Analyzed	04/03/2005
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
18540-29-9	Chromium, Hexavalent	1.2	

GPL Laboratories

GPL
FORM I
ANALYSIS DATA SHEET

SAMPLE NO
SD-8-031805

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	503094
Case No. :		SDG NO :	503094
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	503094-002-018-1/1
Sample Volume :	2.73	Lab File ID :	
Level :	Low	Date Received	03/18/2005
% Moisture: not dec	50.46	Date Analyzed	04/03/2005
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
18540-29-9	Chromium, Hexavalent	0.74	U

GPL Laboratories

GPL
FORM 1
ANALYSIS DATA SHEET

SAMPLE NO
SD-9-031805

Lab Name :	GPL Laboratories	Client. :	Tetra Tech NUS
Lab Code :	GPL	SAS NO. :	503094
Case No. :		SDG NO :	503094
Matrix : (Soil / Water)	SOIL	Lab Sample ID :	503094-003-019-1/1
Sample Volume :	2.54	Lab File ID :	
Level :	Low	Date Received	03/18/2005
% Moisture: not dec	68.42	Date Analyzed	04/03/2005
GC Column :	ID.	Dilution Factor :	1
Soil Extract Volume :	(µ L)	Soil Aliquot Volume :	(µ L)

Concentration Units (mg/L or mg/kg dry weight) : mg/kg

CAS NO	COMPOUND		Q
18540-29-9	Chromium, Hexavalent	1.3	U

APPENDIX C

SUPPORT DOCUMENTATION

HOLDTIME

SDG 503094

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
HG	MG/KG	SD-9-031805	503094-003	NM	3/18/2005	3/24/2005	3/31/2005	6	7	13
HG	MG/KG	SD-11-031805	503094-008	NM	3/18/2005	3/24/2005	3/31/2005	6	7	13
HG	MG/KG	SD-12-031805	503094-009	NM	3/18/2005	3/24/2005	3/31/2005	6	7	13
HG	MG/KG	SD-2-031805	503094-004	NM	3/18/2005	3/24/2005	3/31/2005	6	7	13
HG	MG/KG	SD-5-031805	503094-006	NM	3/18/2005	3/24/2005	3/31/2005	6	7	13
HG	MG/KG	SD-6-031805	503094-005	NM	3/18/2005	3/24/2005	3/31/2005	6	7	13
HG	MG/KG	SD-7-031805	503094-001	NM	3/18/2005	3/24/2005	3/31/2005	6	7	13
HG	MG/KG	SD-10-031805	503094-007	NM	3/18/2005	3/24/2005	3/31/2005	6	7	13
HG	MG/KG	SD-8-031805	503094-002	NM	3/18/2005	3/24/2005	3/31/2005	6	7	13
M	MG/KG	SD-10-031805	503094-007	NM	3/18/2005	3/22/2005	3/28/2005	4	6	10
M	MG/KG	SD-2-031805	503094-004	NM	3/18/2005	3/22/2005	3/28/2005	4	6	10
M	MG/KG	SD-5-031805	503094-006	NM	3/18/2005	3/22/2005	3/28/2005	4	6	10
M	MG/KG	SD-6-031805	503094-005	NM	3/18/2005	3/22/2005	3/28/2005	4	6	10
M	MG/KG	SD-7-031805	503094-001	NM	3/18/2005	3/22/2005	3/28/2005	4	6	10
M	MG/KG	SD-8-031805	503094-002	NM	3/18/2005	3/22/2005	3/28/2005	4	6	10

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
M	MG/KG	SD-9-031805	503094-003	NM	3/18/2005	3/22/2005	3/28/2005	4	6	10
M	MG/KG	SD-11-031805	503094-008	NM	3/18/2005	3/22/2005	3/28/2005	4	6	10
M	MG/KG	SD-12-031805	503094-009	NM	3/18/2005	3/22/2005	3/28/2005	4	6	10
CR6	MG/KG	SD-8-031805	503094-002	NM	3/18/2005	4/3/2005	4/3/2005	16	0	16
CR6	MG/KG	SD-7-031805	503094-001	NM	3/18/2005	4/3/2005	4/3/2005	16	0	16
CR6	MG/KG	SD-6-031805	503094-005	NM	3/18/2005	4/3/2005	4/3/2005	16	0	16
CR6	MG/KG	SD-5-031805	503094-006	NM	3/18/2005	4/3/2005	4/3/2005	16	0	16
CR6	MG/KG	SD-2-031805	503094-004	NM	3/18/2005	4/3/2005	4/3/2005	16	0	16
CR6	MG/KG	SD-12-031805	503094-009	NM	3/18/2005	4/3/2005	4/3/2005	16	0	16
CR6	MG/KG	SD-11-031805	503094-008	NM	3/18/2005	4/3/2005	4/3/2005	16	0	16
CR6	MG/KG	SD-10-031805	503094-007	NM	3/18/2005	4/3/2005	4/3/2005	16	0	16
CR6	MG/KG	SD-9-031805	503094-003	NM	3/18/2005	4/3/2005	4/3/2005	16	0	16
PCS	%	SD-11-031805	503094-008	NM	3/18/2005	3/23/2005	3/23/2005	5	0	5
PCS	%	SD-7-031805	503094-001	NM	3/18/2005	3/23/2005	3/23/2005	5	0	5
PCS	%	SD-6-031805	503094-005	NM	3/18/2005	3/23/2005	3/23/2005	5	0	5
PCS	%	SD-5-031805	503094-006	NM	3/18/2005	3/23/2005	3/23/2005	5	0	5
PCS	%	SD-2-031805	503094-004	NM	3/18/2005	3/23/2005	3/23/2005	5	0	5
PCS	%	SD-9-031805	503094-003	NM	3/18/2005	3/23/2005	3/23/2005	5	0	5

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
PCS	%	SD-8-031805	503094-002	NM	3/18/2005	3/23/2005	3/23/2005	5	0	5
PCS	%	SD-10-031805	503094-007	NM	3/18/2005	3/23/2005	3/23/2005	5	0	5
PCS	%	SD-12-031805	503094-009	NM	3/18/2005	3/23/2005	3/23/2005	5	0	5
OS	%	SD-6-031805	503094-005	NM	3/18/2005	3/29/2005	3/29/2005	11	0	11
OS	%	SD-9-031805	503094-003	NM	3/18/2005	3/29/2005	3/29/2005	11	0	11
OS	%	SD-8-031805	503094-002	NM	3/18/2005	3/29/2005	3/29/2005	11	0	11
OS	%	SD-7-031805	503094-001	NM	3/18/2005	3/29/2005	3/29/2005	11	0	11
OS	%	SD-5-031805	503094-006	NM	3/18/2005	3/29/2005	3/29/2005	11	0	11
OS	%	SD-2-031805	503094-004	NM	3/18/2005	3/29/2005	3/29/2005	11	0	11
OS	%	SD-12-031805	503094-009	NM	3/18/2005	3/29/2005	3/30/2005	11	1	12
OS	%	SD-10-031805	503094-007	NM	3/18/2005	3/29/2005	3/30/2005	11	1	12
OS	%	SD-11-031805	503094-008	NM	3/18/2005	3/29/2005	3/29/2005	11	0	11
OS	UG/KG	SD-10-031805	503094-007	NM	3/18/2005	3/29/2005	3/30/2005	11	1	12
OS	UG/KG	SD-12-031805	503094-009	NM	3/18/2005	3/29/2005	3/30/2005	11	1	12
OS	UG/KG	SD-11-031805	503094-008	NM	3/18/2005	3/29/2005	3/29/2005	11	0	11
OS	UG/KG	SD-9-031805	503094-003	NM	3/18/2005	3/29/2005	3/29/2005	11	0	11
OS	UG/KG	SD-8-031805	503094-002	NM	3/18/2005	3/29/2005	3/29/2005	11	0	11
OS	UG/KG	SD-7-031805	503094-001	NM	3/18/2005	3/29/2005	3/29/2005	11	0	11

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
OS	UG/KG	SD-6-031805	503094-005	NM	3/18/2005	3/29/2005	3/29/2005	11	0	11
OS	UG/KG	SD-5-031805	503094-006	NM	3/18/2005	3/29/2005	3/29/2005	11	0	11
OS	UG/KG	SD-2-031805	503094-004	NM	3/18/2005	3/29/2005	3/29/2005	11	0	11
OV	%	SD-12-031805	503094-009	NM	3/18/2005	3/29/2005	3/29/2005	11	0	11
OV	%	SD-2-031805	503094-004	NM	3/18/2005	3/29/2005	3/29/2005	11	0	11
OV	%	SD-5-031805	503094-006	NM	3/18/2005	3/29/2005	3/29/2005	11	0	11
OV	%	SD-6-031805	503094-005	NM	3/18/2005	3/29/2005	3/29/2005	11	0	11
OV	%	SD-7-031805	503094-001	NM	3/18/2005	3/29/2005	3/29/2005	11	0	11
OV	%	SD-8-031805	503094-002	NM	3/18/2005	3/29/2005	3/29/2005	11	0	11
OV	%	SD-9-031805	503094-003	NM	3/18/2005	3/29/2005	3/29/2005	11	0	11
OV	%	TB-031805	503094-010	NM	3/18/2005	3/25/2005	3/25/2005	7	0	7
OV	%	SD-10-031805	503094-007	NM	3/18/2005	3/29/2005	3/29/2005	11	0	11
OV	%	SD-11-031805	503094-008	NM	3/18/2005	3/29/2005	3/29/2005	11	0	11
OV	UG/KG	SD-12-031805	503094-009	NM	3/18/2005	3/29/2005	3/29/2005	11	0	11
OV	UG/KG	SD-9-031805	503094-003	NM	3/18/2005	3/29/2005	3/29/2005	11	0	11
OV	UG/KG	SD-8-031805	503094-002	NM	3/18/2005	3/29/2005	3/29/2005	11	0	11
OV	UG/KG	SD-7-031805	503094-001	NM	3/18/2005	3/29/2005	3/29/2005	11	0	11
OV	UG/KG	SD-6-031805	503094-005	NM	3/18/2005	3/29/2005	3/29/2005	11	0	11

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
OV	UG/KG	SD-2-031805	503094-004	NM	3/18/2005	3/29/2005	3/29/2005	11	0	11
OV	UG/KG	SD-11-031805	503094-008	NM	3/18/2005	3/29/2005	3/29/2005	11	0	11
OV	UG/KG	SD-10-031805	503094-007	NM	3/18/2005	3/29/2005	3/29/2005	11	0	11
OV	UG/KG	SD-5-031805	503094-006	NM	3/18/2005	3/29/2005	3/29/2005	11	0	11
OV	UG/L	TB-031805	503094-010	NM	3/18/2005	3/25/2005	3/25/2005	7	0	7
PCB	%	SD-6-031805	503094-005	NM	3/18/2005	3/25/2005	3/29/2005	7	4	11
PCB	%	SD-9-031805	503094-003DL	NM	3/18/2005	3/25/2005	4/8/2005	7	14	21
PCB	%	SD-8-031805	503094-002	NM	3/18/2005	3/25/2005	3/29/2005	7	4	11
PCB	%	SD-7-031805	503094-001	NM	3/18/2005	3/25/2005	3/29/2005	7	4	11
PCB	%	SD-5-031805	503094-006	NM	3/18/2005	3/25/2005	3/30/2005	7	5	12
PCB	%	SD-2-031805	503094-004	NM	3/18/2005	3/25/2005	3/29/2005	7	4	11
PCB	%	SD-12-031805	503094-009DL	NM	3/18/2005	3/25/2005	4/8/2005	7	14	21
PCB	%	SD-10-031805	503094-007DL	NM	3/18/2005	3/25/2005	3/30/2005	7	5	12
PCB	%	SD-11-031805	503094-008DL	NM	3/18/2005	3/25/2005	3/30/2005	7	5	12
PCB	UG/KG	SD-10-031805	503094-007DL	NM	3/18/2005	3/25/2005	3/30/2005	7	5	12
PCB	UG/KG	SD-11-031805	503094-008DL	NM	3/18/2005	3/25/2005	3/30/2005	7	5	12
PCB	UG/KG	SD-12-031805	503094-009DL	NM	3/18/2005	3/25/2005	4/8/2005	7	14	21
PCB	UG/KG	SD-2-031805	503094-004	NM	3/18/2005	3/25/2005	3/29/2005	7	4	11

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
PCB	UG/KG	SD-5-031805	503094-006	NM	3/18/2005	3/25/2005	3/30/2005	7	5	12
PCB	UG/KG	SD-6-031805	503094-005	NM	3/18/2005	3/25/2005	3/29/2005	7	4	11
PCB	UG/KG	SD-7-031805	503094-001	NM	3/18/2005	3/25/2005	3/29/2005	7	4	11
PCB	UG/KG	SD-8-031805	503094-002	NM	3/18/2005	3/25/2005	3/29/2005	7	4	11
PCB	UG/KG	SD-9-031805	503094-003DL	NM	3/18/2005	3/25/2005	4/8/2005	7	14	21

GPL LABORATORIES, LLLP

7210A Corporate Court
Frederick, MD 21703
(301) 694-5310
Fax (301) 620-0731

Project: LMCP MIDDLE RIVER
Client: TtNUS
Send Results To: Brett Bradersen
Address: 20251 Century Blvd.
Germantown, MD
Phone: 301-528-3056

Turnaround Time
Contract #/Billing Reference
Page 1 of 1 Pgs.

Sample ID#	Date Sampled	Time Sampled	Sample Matrix	Sampler's Initials	Type of Analysis: VOCs (8260)	SVOCs (8270)	PCBs (8082)	Metals (Pest Burner)	Metals (Hg Cham)	VOCs (8260 Q)	# of Containers	Container Type	Preservative Used	CLIENT COMMENTS
SD-7-031805	3/18/05	0840	SD	CC/JWP	X	X	X				1	8oz.	ICE	
SD-8-031805		0900			X	X	X				1			
SD-9-031805		0920			X	X	X				1			
SD-2-031805		0935			X	X	X				1			
SD-6-031805*		0950			X	X	X				1			* MS/MSD
SD-5-031805		1015			X	X	X				1			
SD-10-031805		1030			X	X	X				1			
SD-11-031805		1050			X	X	X				1			
SD-12-031805		1115			X	X	X				1			
TB-031805	3/18/05	0000	WATER							X	1	HCL	HCL	

Relinquished By:	Date/Time	Received By:	Relinquished By:	Date/Time	Received for Laboratory By:	Date/Time
	3-18-05 1330	Solomon			Solomon	3/18/05 7:00
Relinquished By:	Date/Time	Received By:	Date/Time	Shipper:	Airbill No.:	
Relinquished By:	Date/Time	Received By:	Lab Comments:			Temp: 2.0

G.P.W.O. 503094

Analytical Report For 503094

for

Tetra Tech NUS

Project Manager: Michael Martin

Project Name: Middle River

GPL

Laboratories

GPL Laboratories, LLLP certifies that the test results meet all requirements of the NELAC Standards unless otherwise noted

Reviewed By,
Project Manager

Approved By,
Laboratory Director

The Case Narrative, Chain of Custody, Sample Receipt Checklist, and the cover page of the Sample Analysis Report, are integral parts of GPL Laboratories' report package. If you did not receive all of these documents, please contact GPL immediately.

Sample Receipt

Nine soil and one water samples were received on 03/18/2005. The samples were delivered by GPL courier. Sample receipt conditions and temperatures are documented on the Sample Receipt checklist.

Sample Analysis

Samples were prepared and analyzed by GPL using the analytical methodologies indicated on the Sample Analysis Summary Report. In some chromatographic analyses, manual integration is used instead of automated integration because it produces more accurate results. All manual integrations are denoted on the sample quantitation report. Analysis results and limits for soil are reported on a dry weight basis unless otherwise specified on the report.

Volatiles

One water and nine soil samples were analyzed for volatile organic compounds using SW846 method 8260B. Analyses of the samples were performed within holding time.

All surrogate recoveries were within QC limits.

Matrix spike and matrix spike duplicate analyses were performed on sample SD-5-031805. Several recoveries were below QC limits.

Two laboratory control spikes (LCS) were analyzed along with the sample batch. All recoveries were within QC limits.

Manual integration was performed on some peaks that were improperly integrated by the software. The manually integrated compounds are designated by an "m" next to the area of the quantitation report, and chromatograms for these compounds were submitted.

Semivolatiles

Nine soil samples were extracted using method 3550B. The samples were analyzed for semi-volatile organic compounds using method 8270C.

All surrogate recoveries were within QC limits.

Matrix spike and duplicate analysis was performed on sample SD-6-031805. All matrix spike recoveries were within QC limits. A laboratory control sample was also extracted and analyzed with this batch. All spike recoveries were within QC limits.

The continuing calibration analyzed on 3/30/05 showed a %D for n-nitrosodiphenylamine at -22.3, Pentachlorophenol at -22.5, and Di-n-octylphthalate at -44.0. No reanalysis was necessary as the responses for these compounds were above that of the initial calibration and since none were detected in any of the samples analyzed that day.

Extraction and analysis holding times were met.

PCBs

Nine soil samples were extracted and analyzed for PCB compounds using method 8082A.

Matrix spike and matrix spike duplicate analyses for soil were performed on sample SD-6-031805. PCB -1016 on both and PCB-1260 on MS were outside QC limits due to matrix effect. RPD for both was outside QC limits.

A laboratory control sample was extracted and analyzed along with the soil samples. Recoveries were within control limits.

Samples SD-10-031805, SD-11-031805, SD-12-031805 and SD-9-031805 were diluted at different levels to meet QC limits.

DCB surrogates recoveries for diluted samples was outside QC limits.

All other analyses met QC criteria.

Metals

Nine soil samples were analyzed for PP metals by EPA SW846 methods.

A matrix spike and duplicate were performed on sample SD-6-031805 for all required analytes. A serial dilution was also performed for ICP analytes. The matrix spike was outside of the control limits for antimony and cadmium. A post digestion analytical spike was performed with a recovery 91.0% for cadmium. The duplicate was outside of the control limits for mercury. The serial dilution was outside of the control limit for beryllium.

Calibration standards are verified against independent check standards purchased from a commercial vendor of environmental standards.

All GPL QA/QC criteria were met with the exceptions of those mentioned above.

General Chemistry

Nine soil samples were digested by SW846 method 3060A and were analyzed for Hexavalent Chromium by method 7196A.

Duplicate and matrix spike analyses were performed on sample SD-6-031805.

A laboratory control sample was digested and analyzed along with the batch.

All QC criteria were met.

Reviewed By,
Project Manager

Approved By,
Laboratory Director

USEPA - CLP

2A - IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GPL LABORATORIES, LLLP Contract:

Lab Code: Case No.: NRAS No.: SDG No.: 503094

Initial Calibration Verification Source: AB.ST. / CPI

Continuing Calibration Verification Source: ~~H.P. / AB.ST~~ ICC

Concentration Units: UG/L

	Initial Calibration Verification			Continuing Calibration Verification					
Analyte	True	Found	%R (1)	True	Found	%R (1)	Found	%R (2)	M
Antimony	400.0	422.78	106	500.0	503.78	101	506.74	101	P
Arsenic	400.0	400.98	100	500.0	501.37	100	504.26	101	P
Beryllium	40.0	40.58	101	50.0	49.00	98	48.98	98	P
Cadmium	40.0	42.74	107	500.0	489.41	98	490.50	98	P
Chromium	400.0	391.37	98	500.0	490.90	98	490.65	98	P
Copper	400.0	395.19	99	500.0	496.29	99	494.01	99	P
Lead	400.0	413.91	103	500.0	490.20	98	495.44	99	P
Mercury	5.0	4.83	97	5.0	5.10	102	5.05	101	AV
Nickel	400.0	406.42	102	500.0	483.03	97	485.22	97	P
Selenium	400.0	417.72	104	500.0	507.31	101	510.61	102	P
Silver	400.0	402.30	101	500.0	509.12	102	504.44	101	P
Thallium	400.0	412.21	103	500.0	496.03	99	495.95	99	P
Zinc	400.0	406.60	102	500.0	490.56	98	494.27	99	P

(1) Control Limits : Mercury 80-120; Other Metals 90-110; Cyanide 85-115

USEPA - CLP

2A - IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GPL LABORATORIES, LLLP Contract:

Lab Code: Case No.: NRAS No.: SDG No.: 503094

Initial Calibration Verification Source:

Continuing Calibration Verification Source: R-B/AB-ST.

Concentration Units: UG/L

Analyte	Initial Calibration Verification			Continuing Calibration Verification					M
	True	Found	%R (1)	True	Found	%R (1)	Found	%R (2)	
Antimony				500.0	513.68	103	514.55	103	P
Arsenic				500.0	503.48	101	515.28	103	P
Beryllium				50.0	49.13	98	49.23	98	P
Cadmium				500.0	491.69	98	492.39	98	P
Chromium				500.0	494.24	99	497.23	99	P
Copper				500.0	493.94	99	499.14	100	P
Lead				500.0	499.04	100	501.28	100	P
Mercury				5.0	5.06	101	5.07	101	AV
Nickel				500.0	488.21	98	489.43	98	P
Selenium				500.0	511.26	102	515.91	103	P
Silver				500.0	513.75	103	519.30	104	P
Thallium				500.0	503.24	101	505.56	101	P
Zinc				500.0	501.29	100	502.96	101	P

(1) Control Limits : Mercury 80-120; Other Metals 90-110; Cyanide 85-115

USEPA - CLP

2A - IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GPL LABORATORIES, LLLP Contract:

Lab Code: Case No.: NRAS No.: SDG No.: 503094

Initial Calibration Verification Source:

Continuing Calibration Verification Source: ~~HI/AB/ST~~ FE

Concentration Units: UG/L

	Initial Calibration Verification			Continuing Calibration Verification					
Analyte	True	Found	%R (1)	True	Found	%R (1)	Found	%R (2)	M
Antimony									
Arsenic									
Beryllium									
Cadmium									
Chromium									
Copper									
Lead									
Mercury				5.0	5.09	102	5.14	103	AV
Nickel									
Selenium									
Silver									
Thallium									
Zinc									

(1) Control Limits : Mercury 80-120; Other Metals 90-110; Cyanide 85-115

GPL Laboratories, LLLP

Initial/Continuing Calibration Verification

Hexavalent Chromium Analysis

Client	Tetra Tech NUS	**Analysis Method:**	SW7196A
Work Order:	503094	**Analysis Date:**	04/03/2005 12:57 PM
Matrix:	WATER	**Analytical Batch:**	75266
		Standard Solution ID:	29766

Lab Sample ID	QC Type	True Value	Reported Conc.	Percent Recovery	Acceptable Limits
ICV	ICV	0.25	0.27	107.4%	85 - 115
CCV1	CCV	0.25	0.26	106.0%	85 - 115
CCV2	CCV	0.25	0.26	106.0%	85 - 115

USEPA - CLP

2B - IN

CRQL CHECK STANDARD

Lab Name: GPL LABORATORIES, LLLP Contract:

Lab Code: Case No.: NRAS No.: SDG No.: 503094

CRQL Check Standard Source: H.P. /AB. ST.

Concentration Units: UG/L

Analyte	CRQL Check Standard				
	Initial			Final	
	True	Found	%R (1)	Found	%R (1)
Antimony	20.0	23.65	118		
Arsenic	20.0	22.64	113		
Beryllium	5.0	2.06	41		
Cadmium	6.0	6.24	104		
Chromium	5.0	5.22	104		
Copper	10.0	9.76	98		
Lead	10.0	12.30	123		
Mercury	0.2	0.20	99		
Nickel	10.0	9.41	94		
Selenium	20.0	20.20	101		
Silver	3.0	3.29	110		
Thallium	30.0	27.78	93		
Zinc	20.0	20.61	103		

(1) Control Limits: 70-130 with the following exceptions:
ICP-AES - Antimony, Lead, and Thallium: 51-150
ICP-MS - Cobalt, Manganese, and Zinc: 51-150

* If applicable, enter the concentration qualifier 'J' or 'U' after the concentration in these columns (e.g., 0.20U for Mercury).

USEPA - CLP

3 - IN

BLANKS

Lab Name: GPL LABORATORIES, LLLP Contract:

Lab Code: Case No.: NRAS No.: SDG No.: 503094

Preparation Blank Matrix (soil/water): Soil

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
		C	1	C	2	C	3	C		C	M
Antimony	3.3	U	-3.6	J	3.3	U	3.3	U	0.580	J	P
Arsenic	3.8	U	3.8	U	3.8	U	3.8	U	0.380	U	P
Beryllium	0.1	U	0.1	U	0.1	U	0.2	J	0.013	U	P
Cadmium	0.4	U	0.4	J	0.5	J	0.4	U	0.035	U	P
Chromium	0.5	U	0.5	U	0.9	J	0.5	J	0.046	U	P
Copper	0.9	U	0.9	U	0.9	U	0.9	U	0.088	U	P
Lead	1.3	U	-1.7	J	1.3	U	1.3	U	0.130	U	P
Mercury	0.1	U	0.1	U	0.1	U	0.1	U	0.017	U	AV
Nickel	0.6	U	0.7	J	0.6	U	0.6	U	-0.283	J	P
Selenium	6.4	U	6.4	U	6.4	U	6.4	U	0.640	U	P
Silver	1.3	U	1.3	U	1.3	U	1.3	U	0.130	U	P
Thallium	7.0	J	3.9	U	7.1	J	3.9	U	0.390	U	P
Zinc	5.7	U	5.7	U	5.7	U	5.7	U	0.570	U	P

USEPA - CLP

3 - IN

BLANKS

Lab Name: GPL LABORATORIES, LLLP Contract:

Lab Code: Case No.: NRAS No.: SDG No.: 503094

Preparation Blank Matrix (soil/water):

Preparation Blank Concentration Units (ug/L or mg/kg):

Analyte	Initial Calibration Blank (ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
		C	1	C	2	C	3	C		C	M
Antimony			3.3	U							P
Arsenic			3.8	U							P
Beryllium			0.2	J							P
Cadmium			0.4	U							P
Chromium			0.5	U							P
Copper			0.9	U							P
Lead			1.3	U							P
Mercury			0.1	U	0.1	U	0.1	U			AV
Nickel			0.6	U							P
Selenium			6.4	U							P
Silver			1.3	U							P
Thallium			3.9	U							P
Zinc			5.7	U							P

USEPA - CLP

5A - IN

MATRIX SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

SD-6-031805 MS

Lab Name: GPL LABORATORIES, LLLP Contract:

Lab Code: Case No.: NRAS No.: SDG No.: 503094

Matrix: (soil/water) Soil Level: (low/med)

% Solids for Sample: 42.5

Concentration Units (ug/L or mg/kg dry weight): mg/kg

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Antimony	75 - 125	8.6685		1.7451	J	12.59	55	N	P
Arsenic	75 - 125	17.6323		4.8451		12.59	102		P
Beryllium	75 - 125	7.3693		1.2839		6.29	97	E	P
Cadmium	75 - 125	50.9679		34.8059		12.59	128	N	P
Chromium	-	461.9005		391.1028		62.94	112		P
Copper	75 - 125	150.6355		84.7795		62.94	105		P
Lead	75 - 125	251.6124		144.7527		125.88	85		P
Mercury	75 - 125	1.3063		0.3176		1.01	98	*	AV
Nickel	75 - 125	89.1651		27.3256		62.94	98		P
Selenium	75 - 125	12.5746		1.0198	J	12.59	92		P
Silver	75 - 125	14.8799		2.5606		12.59	98		P
Thallium	75 - 125	12.4196		3.9453	U	12.59	99		P
Zinc	75 - 125	534.2957		425.3297		125.88	87		P

Comments:

USEPA - CLP

5B - IN

MATRIX SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

SD-6-031805

Lab Name: GPL LABORATORIES, LLLP Contract:

Lab Code: Case No.: NRAS No.: SDG No.: 503094

Matrix: (soil/water) Soil Level: (low/med)

% Solids for Sample: 42.5

Concentration Units (ug/L or mg/kg dry weight): mg/kg

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Antimony	75 - 125	14.98		1.75	J	10.5	126	N	P
Cadmium	-	37.21		34.81		2.6	91	N	P

Comments:

USEPA - CLP

8 - IN

ICP-AES and ICP-MS SERIAL DILUTIONS

EPA SAMPLE NO.

SD-6-031805

Lab Name: GPL LABORATORIES, LLLP Contract:

Lab Code: Case No.: NRAS No.: SDG No.: 503094

Matrix: (soil/water) Soil Level: (low/med)

Concentration Units: mg/kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Antimony	1.75	J	2.97	J		ND	P
Arsenic	4.85		3.81	J		D	P
Beryllium	1.28		1.45		13	ED	P
Cadmium	34.81		36.80		6	ND	P
Chromium	391.10		405.09		4	D	P
Copper	84.78		85.40		1	D	P
Lead	144.75		154.01		6	D	P
Nickel	27.33		28.23		3	D	P
Selenium	1.02	J	4.21	U		D	P
Silver	2.56		2.83			D	P
Thallium	0.51	U	2.56	U		D	P
Zinc	425.33		455.04		7	D	P

USEPA - CLP

9 - IN

METHOD DETECTION LIMITS (ANNUALLY)

Lab Name: GPL LABORATORIES, LLLP Contract:

Lab Code: Case No.: NRAS No.: SDG No.: 503094

Instrument Type: P Instrument ID: 3050P Date: 04/13/2004

Preparation Method: SW3050B

Concentration Units (ug/L or mg/kg): ug/L

Analyte	Wavelength /Mass	CRQL	MDL
Antimony	206.838	20	3.3
Arsenic	189.042	20	3.8
Beryllium	313.042	2	0.13
Cadmium	226.502	6	0.35
Chromium	267.716	5	0.46
Copper	324.753	10	0.88
Lead	220.352	10	1.3
Mercury	253.7		
Nickel	231.604	10	0.61
Selenium	196.022	20	6.4
Silver	328:068	3	1.3
Thallium	190.864	30	3.9
Zinc	213.856	20	5.7

Comments:

USEPA - CLP

9 - IN

METHOD DETECTION LIMITS (ANNUALLY)

Lab Name: GPL LABORATORIES, LLLP Contract:

Lab Code: Case No.: NRAS No.: SDG No.: 503094

Instrument Type: AV Instrument ID: 7471 Date: 09/14/2004

Preparation Method: SW7471_DIG

Concentration Units (ug/L or mg/kg): ug/L

Analyte	Wavelength /Mass	CRQL	MDL
Antimony	206.838		
Arsenic	189.042		
Beryllium	313.042		
Cadmium	226.502		
Chromium	267.716		
Copper	324.753		
Lead	220.353		
Mercury	253.7	0.2	0.1
Nickel	231.604		
Selenium	196.026		
Silver	328.068		
Thallium	190.864		
Zinc	206.2		

Comments:

USEPA - CLP

11 - IN

ICP-AES and ICP-MS LINEAR DYNAMIC RANGES (QUARTERLY)

Lab Name: GPL LABORATORIES, LLLP Contract:

Lab Code: Case No.: NRAS No.: SDG No.: 503094

Instrument ID: 3050P Date: 01/11/2005

Analyte	Integ. Time (sec.)	Concentration (ug/L)	M
Antimony		5500	P
Arsenic		2200	P
Beryllium		550	P
Cadmium		2200	P
Chromium		11000	P
Copper		11000	P
Lead		22000	P
Nickel		11000	P
Selenium		2200	P
Silver		1100	P
Thallium		2200	P
Zinc		5500	P

Comments:

USEPA - CLP

12 - IN

PREPARATION LOG

Lab Name: GPL LABORATORIES, LLLP Contract:

Lab Code: Case No.: NRAS No.: SDG No.: 503094

Preparation Method: SW3050B

EPA Sample No.	Preparation Date	Weight (grams)	Volume (mL)
BLK74485	03/22/2005	1	100
BKS74485	03/22/2005	1	100
SD-10-031805	03/22/2005	1.67	100
SD-11-031805	03/22/2005	1.58	100
SD-12-031805	03/22/2005	1.68	100
SD-2-031805	03/22/2005	1.68	100
SD-5-031805	03/22/2005	1.87	100
SD-6-031805	03/22/2005	1.79	100
SD-6-031805 MD	03/22/2005	1.84	100
SD-6-031805 MS	03/22/2005	1.87	100
SD-7-031805	03/22/2005	1.76	100
SD-8-031805	03/22/2005	1.79	100
SD-9-031805	03/22/2005	1.8	100

USEPA - CLP

12 - IN

PREPARATION LOG

Lab Name: GPL LABORATORIES, LLLP Contract:

Lab Code: Case No.: NRAS No.: SDG No.: 503094

Preparation Method: SW7471_DIG

EPA Sample No.	Preparation Date	Weight (grams)	Volume (mL)
BLK74552	03/24/2005	0.6	100
BKS74552	03/24/2005	0.6	100
SD-10-031805	03/24/2005	0.618	100
SD-11-031805	03/24/2005	0.778	100
SD-12-031805	03/24/2005	0.647	100
SD-2-031805	03/24/2005	0.75	100
SD-5-031805	03/24/2005	0.682	100
SD-6-031805	03/24/2005	0.716	100
SD-6-031805 MD	03/24/2005	0.722	100
SD-6-031805 MS	03/24/2005	0.701	100
SD-7-031805	03/24/2005	0.66	100
SD-8-031805	03/24/2005	0.73	100
SD-9-031805	03/24/2005	0.792	100

USEPA - CLP

13 - IN

ANALYSIS RUN LOG

Lab Name: GPL LABORATORIES, LLLP Contract:

Lab Code: Case No.: NRAS No.: SDG No.: 503094

ICP-MS Instrument ID: 3050P Analysis Method: 6010 ICP Analysis

Start Date: 03/28/2005 End Date: 03/29/2005

EPA Sample No.	DF	Time	Analytes												
			SB	AS	BE	CD	CR	CU	PB	HG	NI	SE	AG	TL	ZN
STD0	1	16:17	X	X	X	X	X	X	X		X	X	X	X	X
STD1	1	16:24	X	X	X	X	X	X	X		X	X	X	X	X
STD2	1	16:32	X	X	X	X	X	X	X		X	X	X	X	X
ZZZZZ	1	16:46													
ZZZZZ	1	16:54													
IVICV	1	17:10	X	X	X	X	X	X	X		X	X	X	X	X
IBICB	1	17:18	X	X	X	X	X	X	X		X	X	X	X	X
CVCCV	1	17:26	X	X	X	X	X	X	X		X	X	X	X	X
BCCCB	1	17:33	X	X	X	X	X	X	X		X	X	X	X	X
REPORTING LIMIT	1	17:41	X	X	X	X	X	X	X		X	X	X	X	X
ZZZZZ	1	17:49													
ZZZZZ	1	17:56													
ZZZZZ	1	18:11													
ZZZZZ	1	18:23													
IAICSAI	1	18:56	X	X	X	X	X	X	X		X	X	X	X	X
IBICSABI	1	19:04	X	X	X	X	X	X	X		X	X	X	X	X
ZZZZZ	1	19:14													
CVCCV3	1	19:26	X	X	X	X	X	X	X		X	X	X	X	X
BCCCB3	1	19:33	X	X	X	X	X	X	X		X	X	X	X	X
BLK74485	1	19:41	X	X	X	X	X	X	X		X	X	X	X	X
BKS74485	1	19:49	X	X	X	X	X	X	X		X	X	X	X	X
ZZZZZ	1	19:57													
ZZZZZ	1	20:05													
ZZZZZ	1	20:13													
S 503094-001-017-1/1	1	20:21	X	X	X	X	X	X	X		X	X	X	X	X
S 503094-002-018-1/1	1	20:29	X	X	X	X	X	X	X		X	X	X	X	X
S 503094-003-019-1/1	1	20:37	X	X	X	X	X	X	X		X	X	X	X	X
S 503094-004-020-1/1	1	20:45	X	X	X	X	X	X	X		X	X	X	X	X
S 503094-005-032-1/3	1	20:53	X	X	X	X	X	X	X		X	X	X	X	X
CVCCV3	1	21:03	X	X	X	X	X	X	X		X	X	X	X	X
BCCCB3	1	21:11	X	X	X	X	X	X	X		X	X	X	X	X
D 503094-005-032-1/3	1	21:19	X	X	X	X	X	X	X		X	X	X	X	X
SP503094-005-032-1/3	1	21:27	X	X	X	X	X	X	X		X	X	X	X	X
PS503094-005-032-1/3	1	21:35	X			X									

USEPA - CLP

13 - IN

ANALYSIS RUN LOG

Lab Name: GPL LABORATORIES, LLLP Contract:

Lab Code: Case No.: NRAS No.: SDG No.: 503094

ICP-MS Instrument ID: 3050P Analysis Method: 6010 ICP Analysis

Start Date: 03/28/2005 End Date: 03/29/2005

EPA Sample No.	DF	Time	Analytes																									
			SB	AS	BE	CD	CR	CU	PB	HG	NI	SE	AG	TL	ZN													
SE503094-005-032-1/3	5	21:43	X	X	X	X	X	X	X		X	X	X	X	X													
S 503094-006-021-1/1	1	21:51	X	X	X	X	X	X	X		X	X	X	X	X													
S 503094-007-022-1/1	1	21:59	X	X	X	X	X	X	X		X	X	X	X	X													
S 503094-008-023-1/1	1	22:07	X	X	X	X	X	X	X		X	X	X	X	X													
S 503094-009-024-1/1	1	22:15	X	X	X	X	X	X	X		X	X	X	X	X													
ZZZZZ	1	22:23																										
ZZZZZ	1	22:34																										
CVCCV3	1	22:42	X	X	X	X	X	X	X		X	X	X	X	X													
BCCCB3	1	22:50	X	X	X	X	X	X	X		X	X	X	X	X													
ZZZZZ	1	22:58																										
ZZZZZ	1	23:06																										
ZZZZZ	1	23:14																										
ZZZZZ	1	23:22																										
ZZZZZ	1	23:30																										
ZZZZZ	1	23:38																										
ZZZZZ	1	23:46																										
ZZZZZ	1	23:54																										
ZZZZZ	1	0:02																										
ZZZZZ	1	0:10																										
ZZZZZ	1	0:20																										
ZZZZZ	1	0:28																										
ZZZZZ	1	0:36																										
ZZZZZ	1	0:44																										
ZZZZZ	1	0:52																										
ZZZZZ	1	1:00																										
ZZZZZ	5	1:08																										
ZZZZZ	1	1:16																										
ZZZZZ	1	1:24																										
ZZZZZ	1	1:32																										
ZZZZZ	1	1:40																										
ZZZZZ	1	1:48																										
ZZZZZ	1	1:58																										
ZZZZZ	1	2:06																										
ZZZZZ	1	2:14																										

USEPA - CLP

13 - IN

ANALYSIS RUN LOG

Lab Name: GPL LABORATORIES, LLLP Contract:

Lab Code: Case No.: NRAS No.: SDG No.: 503094

ICP-MS Instrument ID: 7471 Analysis Method: Mercury (7471A, Cold Vapor)

Start Date: 03/31/2005 End Date: 03/31/2005

EPA Sample No.	DF	Time	Analytes																								
			SB	AS	BE	CD	CR	CU	PB	HG	NI	SE	AG	TL	ZN												
Std01Rep1	1	9:45								X																	
Std01Rep2	1	9:47								X																	
Std01Rep3	1	9:50								X																	
Std02Rep1	1	9:53								X																	
Std02Rep2	1	9:55								X																	
Std02Rep3	1	9:57								X																	
Std03Rep1	1	9:59								X																	
Std03Rep2	1	10:01								X																	
Std03Rep3	1	10:03								X																	
Std04Rep1	1	10:05								X																	
Std04Rep2	1	10:07								X																	
Std04Rep3	1	10:10								X																	
Std05Rep1	1	10:12								X																	
Std05Rep2	1	10:14								X																	
Std05Rep3	1	10:16								X																	
Std06Rep1	1	10:18								X																	
Std06Rep2	1	10:20								X																	
Std06Rep3	1	10:23								X																	
Ck2 ICV	1	10:28								X																	
Ck3 ICB	1	10:31								X																	
Ck4 CRA	1	10:33								X																	
Ck5 CCV	1	10:35								X																	
Ck6 CCB	1	10:37								X																	
ZZZZZ	10	10:39																									
ZZZZZ	1	10:42																									
ZZZZZ	1	10:44																									
ZZZZZ	1	10:46																									
ZZZZZ	1	10:48																									
ZZZZZ	1	10:50																									
ZZZZZ	1	10:53																									
ZZZZZ	1	10:56																									
ZZZZZ	1	10:58																									
ZZZZZ	1	11:00																									
Ck5 CCV	1	11:02								X																	

USEPA - CLP

13 - IN

ANALYSIS RUN LOG

Lab Name: GPL LABORATORIES, LLLP Contract:

Lab Code: Case No.: NRAS No.: SDG No.: 503094

ICP-MS Instrument ID: 7471 Analysis Method: Mercury (7471A, Cold Vapor)

Start Date: 03/31/2005 End Date: 03/31/2005

EPA Sample No.	DF	Time	Analytes																								
			SB	AS	BE	CD	CR	CU	PB	HG	NI	SE	AG	TL	ZN												
Ck6 CCB	1	11:04								X																	
ZZZZZ	1	11:06																									
ZZZZZ	1	11:08																									
ZZZZZ	1	11:10																									
ZZZZZ	1	11:12																									
ZZZZZ	1	11:14																									
ZZZZZ	1	11:17																									
ZZZZZ	1	11:19																									
ZZZZZ	1	11:22																									
ZZZZZ	1	11:24																									
ZZZZZ	1	11:26																									
Ck5 CCV	1	11:28								X																	
Ck6 CCB	1	11:30								X																	
ZZZZZ	1	11:33																									
ZZZZZ	1	11:35																									
ZZZZZ	1	11:37																									
ZZZZZ	1	11:39																									
ZZZZZ	1	11:42																									
BLK74552	1	11:44								X																	
BKS74552	1	11:46								X																	
ZZZZZ	1	11:48																									
ZZZZZ	1	11:50																									
ZZZZZ	1	11:52																									
Ck5 CCV	1	11:54								X																	
Ck6 CCB	1	11:56								X																	
ZZZZZ	1	11:58																									
ZZZZZ	1	12:00																									
ZZZZZ	1	12:02																									
S 503094-001-017-1/1	1	12:04								X																	
S 503094-002-018-1/1	1	12:06								X																	
S 503094-003-019-1/1	1	12:09								X																	
S 503094-004-020-1/1	1	12:11								X																	
S 503094-005-032-1/3	1	12:14								X																	
D 503094-005-032-1/3	1	12:17								X																	

USEPA - CLP

13 - IN

ANALYSIS RUN LOG

Lab Name: GPL LABORATORIES, LLLP Contract:

Lab Code: Case No.: NRAS No.: SDG No.: 503094

ICP-MS Instrument ID: 7471 Analysis Method: Mercury (7471A, Cold Vapor)

Start Date: 03/31/2005 End Date: 03/31/2005

EPA Sample No.	DF	Time	Analytes																								
			SB	AS	BE	CD	CR	CU	PB	HG	NI	SE	AG	TL	ZN												
SP503094-005-032-1/3	1	12:19								X																	
Ck5 CCV	1	12:21								X																	
Ck6 CCB	1	12:24								X																	
S 503094-006-021-1/1	1	12:26								X																	
S 503094-007-022-1/1	1	12:28								X																	
S 503094-008-023-1/1	1	12:30								X																	
S 503094-009-024-1/1	1	12:32								X																	
ZZZZZ	1	12:34																									
Ck5 CCV	1	12:36								X																	
Ck6 CCB	1	12:38								X																	

GPL Laboratories, LLLP

Percent Solids Determination Log

Method Title: CLP_SOLIDS
Analyst: Virginia ZUSMAN
Method Reference: Percent Solids by CLP
Reviewed By/Date: 3/23/05
Analytical Balance ID: Saratorius CP153
Analytical Batch: 75060
Date/Time In (Oven): 03/22/2005 12:52
Oven Temperature: 104C
Date/Time Out (Oven): 03/23/2005 12:52
Oven Temperature: 105C
Dessicator Temp: 22C
% Humidity (<20%): 12%

Drying Oven Temp Maintained at 103-105C

SDG	Lab Sample ID	Client Sample ID	Weight of Dish	Weight of Wet Sample + Dish	Weight of Dry Sample + Dish	Percent Moisture	RPD
503038	503038-001-003-1/1	103-GVW-030205	0.9110g	10.4030g	9.3950g	10.6%	
503038	503038-001-003-1/1	103-GVW-030205D	0.9110g	10.4030g	9.3950g	10.6%	
503038	503038-002-004-1/1	103-GVE-030205	0.9100g	10.2550g	8.8820g	14.7%	
503077	503077-016-098-1/1	SD-1-031705	0.9070g	10.2070g	8.4690g	18.7%	
503077	503077-017-099-1/1	SD-3-031705	0.9070g	10.2980g	8.8540g	15.4%	
503077	503077-018-100-1/1	SD-04-031705	0.9070g	10.4300g	7.7770g	27.9%	
503080	503080-001-001-1/1	05-03-159-01	0.9050g	10.4720g	9.7780g	7.3%	
503080	503080-002-002-1/1	05-03-159-02	0.9060g	10.5090g	9.7280g	8.1%	
503080	503080-003-003-1/1	05-03-159-03	0.9040g	10.4480g	10.0400g	4.3%	
503080	503080-004-004-1/1	05-03-159-04	0.9100g	10.8580g	10.5270g	3.3%	
503080	503080-005-005-1/1	05-03-159-05	0.9100g	10.5040g	9.4100g	11.4%	
503080	503080-006-006-1/1	05-03-159-06	0.9060g	10.4700g	9.1370g	13.9%	
503086	503086-001-001-1/1	05-03-223-01	0.9100g	10.5580g	8.4620g	21.7%	
503086	503086-002-002-1/1	05-03-223-02	0.9110g	10.4210g	8.1560g	23.8%	
503086	503086-003-003-1/1	05-03-223-03	0.9090g	10.6820g	8.1230g	26.2%	
503087	503087-002-048-1/1	AS01-SD05A-R10	0.9090g	10.8060g	9.0530g	17.7%	
503087	503087-004-049-1/1	AS01-SD04A-R10	0.9090g	10.2170g	8.0670g	23.1%	
503087	503087-006-050-1/1	AS01-SD03A-R10	0.9040g	10.4660g	8.4580g	21.0%	
503087	503087-008-051-1/1	AS01-SD02A-R10	0.9100g	10.4570g	8.7620g	17.8%	
503087	503087-010-052-1/1	AS01-SD01A-R10	0.9070g	10.3020g	9.2910g	10.8%	
503093	503093-001-001-1/1	0311-CR-S1	0.9120g	10.2860g	8.9350g	14.4%	
503093	503093-002-002-1/1	0311-CR-S2	0.9090g	10.1480g	9.0140g	12.3%	
503094	503094-001-017-1/1	SD-7-031805	0.9060g	10.7560g	5.7030g	51.3%	
503094	503094-002-018-1/1	SD-8-031805	0.9070g	10.3920g	5.6060g	50.5%	
503094	503094-003-019-1/1	SD-9-031805	0.9130g	10.4220g	3.9160g	68.4%	
503094	503094-004-020-1/1	SD-2-031805	0.9040g	10.5430g	4.8990g	58.6%	
503094	503094-004-020-1/1	SD-2-031805D	0.9040g	10.5430g	4.8990g	58.6%	

GPL Laboratories, LLLP

Percent Solids Determination Log

Method Title: CLP_SOLIDS
Analyst: Virginia ZUSMAN
Method Reference: Percent Solids by CLP
Reviewed By/Date: 3/23/05
Analytical Balance ID: Saratorius CP153
Analytical Batch: 75060
Date/Time In (Oven): 03/22/2005 12:52
Oven Temperature: 104C
Date/Time Out (Oven): 03/23/2005 12:52
Oven Temperature: 105C
Dessicator Temp: 22C
% Humidity (<20%): 12%

Drying Oven Temp Maintained at 103-105C

SDG	Lab Sample ID	Client Sample ID	Weight of Dish	Weight of Wet Sample + Dish	Weight of Dry Sample + Dish	Percent Moisture	RPD
503094	503094-005-032-1/3	SD-6-031805	0.9290g	10.5640g	5.0220g	57.5%	
503094	503094-005-032-1/3	SD-6-031805D	0.9290g	10.5640g	5.0220g	57.5%	
503094	503094-006-021-1/1	SD-5-031805	0.9030g	10.6690g	5.6960g	50.9%	
503094	503094-007-022-1/1	SD-10-031805	0.9150g	10.4750g	4.2230g	65.4%	
503094	503094-008-023-1/1	SD-11-031805	0.9180g	10.6210g	6.3420g	44.1%	
503094	503094-009-024-1/1	SD-12-031805	0.9080g	10.4730g	3.7960g	69.8%	

GPL LABORATORIES, LLP
ANALYTICAL RESULTS

Project Name : Middle River

Date Printed: April 18, 2005

GPL ID	Client ID
503094-007-006-1/1	SD-10-031805
503094-007-014-1/1	SD-10-031805
503094-007-022-1/1	SD-10-031805
503094-007-014-1/1	SD-10-031805 DL
503094-007-014-1/1	SD-10-031805 DL
503094-008-007-1/1	SD-11-031805
503094-008-015-1/1	SD-11-031805
503094-008-023-1/1	SD-11-031805
503094-008-015-1/1	SD-11-031805 DL
503094-009-008-1/1	SD-12-031805
503094-009-016-1/1	SD-12-031805
503094-009-024-1/1	SD-12-031805
503094-009-016-1/1	SD-12-031805 DL
503094-004-004-1/1	SD-2-031805
503094-004-012-1/1	SD-2-031805
503094-004-020-1/1	SD-2-031805
503094-006-005-1/1	SD-5-031805
503094-006-013-1/1	SD-5-031805
503094-006-021-1/1	SD-5-031805
503094-005-025-1/3	SD-6-031805
503094-005-029-1/3	SD-6-031805
503094-005-032-1/3	SD-6-031805
503094-001-001-1/1	SD-7-031805
503094-001-009-1/1	SD-7-031805
503094-001-017-1/1	SD-7-031805
503094-002-002-1/1	SD-8-031805
503094-002-010-1/1	SD-8-031805
503094-002-018-1/1	SD-8-031805
503094-003-003-1/1	SD-9-031805
503094-003-011-1/1	SD-9-031805
503094-003-019-1/1	SD-9-031805
503094-003-011-1/1	SD-9-031805 DL
503094-010-028-1/1	TB-031805

Sample: SD-6-031805

$\frac{1100.688 \text{ mg/L}}{1000} \times \frac{100 \text{ mL}}{1.79 \text{ g}} = \frac{61.49}{0.425} = 145 \text{ mg/kg}$ ✓

Analysis Report 03/28/05 09:01:23 PM page 1

Method: TRACE1 Sample Name: S 503094-005-032-1/3 Operator: LCM
Run Time: 03/28/05 20:53:31 42.5 % solids; 1.79 g; 100 mL
Comment: UG/L
Mode: CONC Corr. Factor: 1

Elem	AL	SB	AS	BA	BE	CD	CA
Avge	62375.46	13.26953	36.84171	315.8044	9.762626	264.6610	14100.23
#1	62313.91	13.99098	37.46584	315.4349	9.742892	265.2914	14103.21
#2	62437.02	12.54807	36.21758	316.1740	9.782359	264.0306	14097.24
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	525000.0	5250.000	2100.000	10500.00	525.0000	2100.000	525000.0
Low	-200.000	-20.0000	-20.0000	-5.00000	-2.00000	-6.00000	-1000.00

Elem	CR	CO	CU	FE	PB	MG	MN
Avge	2973.914	123.5125	644.6562	132949.8	1100.688	14594.69	911.4748
#1	2973.344	123.8654	643.9247	132942.2	1098.767	14603.69	911.2042
#2	2974.484	123.1596	645.3879	132957.4	1102.609	14585.69	911.7455
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10500.00	10500.00	10500.00	525000.0	21000.00	525000.0	10500.00
Low	-5.00000	-5.00000	-10.0000	-150.000	-10.0000	-250.000	-5.00000

Elem	NI	K	SE	AG	NA	TL	V
Avge	207.7821	7112.258	7.754177	19.47061	8354.242	-2.80810	239.9473
#1	206.8536	7098.234	6.441443	19.09272	8369.318	-3.25746	240.0605
#2	208.7105	7126.281	9.066911	19.84850	8339.167	-2.35874	239.8341
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	7875.000	52500.00	2100.000	1050.000	525000.0	2100.000	10500.00
Low	-10.0000	-250.000	-5.00000	-3.00000	-2500.00	-30.0000	-10.0000

Elem	ZN	B	MO	SN	SR	TI	1/PB
Avge	3234.173	38.01129	8.249353	61.79937	153.8902	1333.986	1103.706
#1	3235.253	38.35427	8.336694	57.70762	153.9457	1337.587	1100.053
#2	3233.093	37.66831	8.162013	65.89112	153.8347	1330.386	1107.358
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	10500.00	5250.000	10500.00	10500.00	2100.000	105000.0	
Low	-20.0000	-15.0000	-5.00000	-25.0000	-5.00000	-10.0000	

Elem	2/PB	1/SE	2/SE	SI	2Cd226	3Cd226	2As189
Avge	1099.178	.8065972	11.22742	6766.690	274.6784	472.5738	9.267342
#1	1098.123	-2.58482	10.95405	6761.216	275.3805	486.9197	9.904218
#2	1100.234	4.198019	11.50078	6772.164	273.9763	458.2280	8.630465
Errors	NOCHECK	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK
High				52500.00			
Low				-50.0000			

P1073

SDG 503094
Hexavalent Chromium
Sample SD-7-031805

X-VALUE	Y-VALUE	CORREL	SLOPE
0.005	0.01	0.99897	1.81311554
0.025	0.05	Y-INTERC	
0.05	0.1	0.002139	
0.145	0.25		
0.271	0.5		

	0.008	0.016643863
		0.609665303
		0.609665303
Concentration		1.244 mg/kg
Dilution factor		1
Volume		100 mL
Weight		2.73 g
% solids		49 %

GPL Laboratories, LLLP

Hexavalent Chromium Analysis

Method Title: Chromium, Hexavalent (Colorimetric)
Method: SW7196A
Instrument/Apparatus: Spec 20D+

Analyst: Afrah Salah
Date/Time: 04/03/2005 12:57 PM
Reviewed By/Date: Virginia ZUSMAN
Analytical Batch: 75266

Prep Batch	Matrix	Lab Sample ID	Smp Type	Initial Wgt/Vol	Final Vol.	DF	PM	Raw Abs	Conc (mg/L)	Report Conc	Units	Spk	% Rec	% RPD
Run QC	W	ICV	ICV	50	50	1	100.00	0.1470	0.2685	0.27	MG/L	0.250	107.4	
Run QC	W	ICB	ICB	50	50	1	100.00	0.0000	0.0015	0.010 U	MG/L			
74677	S	PBS 74677	BLK	1.00	100	1	100.00	0.0000	0.0015	1.0 U	MG/KG			
74677	S	LCS 74677	BKS	1.00	100	5	100.00	0.2340	0.4265	213	MG/KG	250	85.3	
74677	S	503077-016-098-1/1	SMP	2.53	100	1	18.69	-0.0030	-0.0039	0.49 U	MG/KG			
74677	S	503077-017-099-1/1	SMP	2.71	100	1	15.38	-0.0020	-0.0021	0.44 U	MG/KG			
74677	S	503077-018-100-1/1	SMP	2.62	100	1	27.86	-0.0030	-0.0039	0.53 U	MG/KG			
74677	S	503094-001-017-1/1	SMP	2.73	100	1	51.30	0.0080	0.0161	1.2	MG/KG			
74677	S	503094-002-018-1/1	SMP	2.73	100	1	50.46	-0.0060	-0.0094	0.74 U	MG/KG			
74677	S	503094-003-019-1/1	SMP	2.54	100	1	68.42	-0.0080	-0.0130	1.2 U	MG/KG			
74677	S	503094-004-020-1/1	SMP	2.76	100	1	58.55	-0.0070	-0.0112	0.87 U	MG/KG			
74677	S	503094-005-032-1/3	SMP	2.70	100	1	57.52	-0.0140	-0.0239	0.87 U	MG/KG			
Run QC	W	CCV1	CCV	50	50	1	100.00	0.1450	0.2649	0.26	MG/L	0.250	106.0	
Run QC	W	CCB1	CCB	50	50	1	100.00	0.0010	0.0033	0.010 U	MG/L			
74677	S	503094-005-032-1/3MD	MD	2.76	100	1	57.52	-0.0140	-0.0239	0.85 U	MG/KG			0.0
74677	S	503094-005-032-1/3MS	MS	2.74	100	5	57.52	0.2370	0.4320	186	MG/KG	0.500	86.4	
74677	S	503094-006-021-1/1	SMP	2.83	100	1	50.92	-0.0180	-0.0312	0.72 U	MG/KG			
74677	S	503094-007-022-1/1	SMP	2.46	100	1	65.40	-0.0070	-0.0112	1.2 U	MG/KG			
74677	S	503094-008-023-1/1	SMP	2.56	100	1	44.10	0.0050	0.0106	0.74	MG/KG			
74677	S	503094-009-024-1/1	SMP	2.33	100	1	69.81	-0.0040	-0.0057	1.4 U	MG/KG			
Run QC	W	CCV2	CCV	50	50	1	100.00	0.1450	0.2649	0.26	MG/L	0.250	106.0	
Run QC	W	CCB2	CCB	50	50	1	100.00	0.001	0.0033	0.010 U	MG/L			

GPL Laboratories, LLLP

Hexavalent Chromium Analysis

Method Title: Chromium, Hexavalent (Colorimetric)
Method: SW7196A
Instrument/Apparatus: Spec 20D+
Calibration:

A. Stock Standard ID: 26905

B. Working Standard Solution: 1 mL of A / 100mL

Analyst: Afrah Salah
Date/Time: 04/03/2005 12:57
Reviewed By/Date: Virginia ZUSMAN
Analytical Batch: 75266

Standard (ppm)	ML of 10ppm Working Std. Solution	Final Volume (ml)	Absorbance
0.000	0.0000	25	0.000
0.010	0.0125	25	0.005
0.050	0.0500	25	0.025
0.100	0.1250	25	0.050
0.250	0.2500	25	0.145
0.500	0.3750	25	0.271
	0.5000	25	

Standard Serial Dilution performed by: Afrah Salah Date: 04/03/2005 12:57

QC Analysis

ICV/CCV ID#: **29766**
True Value: **0.25 mg/L**
Acceptable Range: **85% - 115%**
Found Value:
ICV: **0.27** CCV1: **0.26** CCV2: **0.26**
Percent Recovery:
ICV: **107.4** CCV1: **106.0** CCV2: **106.0**

Correlation Coefficient (>0.9950): 0.9991
Y-Intercept: 0.0015
Slope: 1.8162
Wavelength: 540

LCS Analysis ID: LCS 74677 LCS ID: NA
True Value #1: **250 mg/kg** #2: NA
Found Value #1: **213 mg/kg** #2: NA
Recovery #1: **85.3** #2: NA

Duplicate Analysis:

Dupe Acceptance Range: **15% (Water) 15% (Soil)**
Sample ID #1: **503094-005-032-1/3MD** #2: NA
Sample Value #1: **0.87 U** #2: NA
Dupe Sample Value #1: **0.85 U** #2: NA
RPD #1: **0.0** #2: NA

Matrix Spike Analysis:

Spike Acceptance Range: **85-115% (Water) 75-125% (Soil)**
Sample ID #1: **503094-005-032-1/3MS** #2: NA
Sample Value #1: **0.87 U** #2: NA
Spike Sample Value #1: **186** #2: NA
Spike Amount #1: **214.7855** #2: NA
Percent Recovery #1: **86.4%** #2: NA

Comments:

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO :	**MIKE MARTIN**	**DATE:**	**February 2, 2006**
FROM:	**THOMAS JACKMAN**	**COPIES:**	**DV FILE**
SUBJECT:	**ORGANIC DATA VALIDATION – ALKYLTYIN LOCKHEED MIDDLE RIVER FACILITY SAMPLE DELIVERY GROUP (SDG) - 111177**		

SAMPLES: 5/Aqueous

SW-11	SW-13	SW-14	SW-15	SW-17

12/Sediment

SD-22-SS	SD-28-SS	SD-28-01	SD-28-02	SD-31-SS	SD-31-01
SD-31-02	SD-29-SS	SD-37-SS	SD-40-SS	SD-40-01	SD-40-02

Overview

This sample set for the Lockheed Middle River Facility consists of 5 surface water and 12 sediment samples. The samples were analyzed for alkyltins (i.e., monobutyltin, dibutyltin, tributyltin, and tetrabutyltin). No field duplicates were included in this data set.

The samples were collected by Tetra Tech NUS, Inc. on October 20 and 21, 2005 and analyzed by Severn Trent Laboratories, Burlington VT. The samples were analyzed by gas chromatography methodology using compound derivatives and an internal standard and peak areas for calibration and quantitation.

Summary

The findings in this report are based upon a general review of all available data including: data completeness, system performance, holding times, initial / continuing calibrations, laboratory method blank contamination, surrogate spikes, MS/MSD results, LCS results, compound identification, compound quantitation, and detection limits. Areas of concern are listed 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.

Major Problems

MS/MSD recoveries for monobutyltin were 0 percent. Therefore, the nondetected result for this analyte is qualified as rejected, "UR", in the spiked sample only (SD-40-02).

Minor Problems

The percent solids for sediment samples SD-22-SS, SD-28-SS, SD-37-SS, and SD-40-SS were less than 30%, resulting in elevated detection limits for these samples. Positive and nondetected results reported for all target analytes in these samples were qualified as estimated (J) and (UJ), respectively, due to low percent solids content. The direction of bias cannot be determined.

Notes

As indicated in the laboratory narrative, no formal chain of custody was included with the samples. The samples were received at the laboratory 27 to 28 days after sample collection and extracted 1 to 2 days later (28 to 30 days after collection). EPA guidance states that samples should be extracted within 7 days of collection for analytes such as SVOCs and pesticides/PCBS. However, since holding time requirements have not been established for alkyltins, no data validation actions were performed on the basis of holding times.

The aqueous LCS recovery for monobutyltin (analyzed on 11/22/2005 at 11:11) was very low (16%). No data validation actions were performed on the basis of the LCS recovery because this recovery was within the QC limits determined by the laboratory (10 – 45 %) and because an acceptable LCS recovery range has not been determined for alkyltins by the EPA. Note also that monobutyltin is considered to be a "poor performer", as discussed in the laboratory narrative.

Executive Summary

Laboratory Performance: None.

Other Factors Affecting Data Quality: Matrix spike/matrix spike duplicates sample recoveries for monobutyltin were outside of quality control limits. Possible holding time exceedances.

The data for these analyses were reviewed with reference to the "National Functional Guidelines for Organic Data Validation" (9/94) as amended for use within USEPA Region III. 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 validation criteria as specified in the Region III Data Validation Guidance."

Tetra Tech NUS
Thomas Jackman
Chemist

Tetra Tech NUS
Joseph A. Samchuck
Quality Assurance Officer

Attachments:

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

Data Qualifier Key:

J - Positive result is considered estimated, "J", as a result of technical noncompliance.

U - Value is a nondetect as reported by the laboratory.

UJ - Quantitation limit is considered estimated, "UJ", as a result of technical noncompliance.

UR - Nondetected result is considered rejected, "UR", as a result of severe technical noncompliance.

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: 00279

SDG: 111177 MEDIA: SOIL DATA FRACTION: MISCO

nsample	SD-22-SS	nsample	SD-28-01	nsample	SD-28-02
samp_date	10/21/2005	samp_date	10/21/2005	samp_date	10/21/2005
lab_id	648311	lab_id	648313	lab_id	648314
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	25.0	Pct_Solids	37.0	Pct_Solids	46.0
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
DIBUTYLTIN	5.5	J	Y
MONOBUTYLTIN	6.8	UJ	Y
TETRABUTYLTIN	6.8	UJ	Y
TRIBUTYLTIN	6	UJ	Y

Parameter	Result	Val Qual	Qual Code
DIBUTYLTIN	3.5	U	
MONOBUTYLTIN	4.6	U	
TETRABUTYLTIN	4.6	U	
TRIBUTYLTIN	4.1	U	

Parameter	Result	Val Qual	Qual Code
DIBUTYLTIN	2.8	U	
MONOBUTYLTIN	3.7	U	
TETRABUTYLTIN	3.7	U	
TRIBUTYLTIN	3.3	U	

PROJ_NO: 00279

SDG: 111177 MEDIA: SOIL DATA FRACTION: MISCO

nsample	SD-28-SS
samp_date	10/21/2005
lab_id	648312
qc_type	NM
units	UG/KG
Pct_Solids	29.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
DIBUTYLTIN	4.5	UJ	Y
MONOBUTYLTIN	5.9	UJ	Y
TETRABUTYLTIN	5.9	UJ	Y
TRIBUTYLTIN	5.2	UJ	Y

nsample	SD-29-SS
samp_date	10/21/2005
lab_id	648318
qc_type	NM
units	UG/KG
Pct_Solids	32.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
DIBUTYLTIN	9.9		
MONOBUTYLTIN	5.3	U	
TETRABUTYLTIN	5.3	U	
TRIBUTYLTIN	4.7	U	

nsample	SD-31-01
samp_date	10/21/2005
lab_id	648316
qc_type	NM
units	UG/KG
Pct_Solids	44.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
DIBUTYLTIN	3	U	
MONOBUTYLTIN	3.9	U	
TETRABUTYLTIN	3.9	U	
TRIBUTYLTIN	3.4	U	

PROJ_NO: 00279

SDG: 111177 MEDIA: SOIL DATA FRACTION: MISCO

nsample	SD-31-02	nsample	SD-31-SS	nsample	SD-37-SS
samp_date	10/21/2005	samp_date	10/21/2005	samp_date	10/21/2005
lab_id	648317	lab_id	648315	lab_id	648319
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	31.0	Pct_Solids	39.0	Pct_Solids	23.0
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
DIBUTYLTIN	5.5		
MONOBUTYLTIN	5.5	U	
TETRABUTYLTIN	5.5	U	
TRIBUTYLTIN	4.8	U	

Parameter	Result	Val Qual	Qual Code
DIBUTYLTIN	3.3	U	
MONOBUTYLTIN	4.4	U	
TETRABUTYLTIN	4.4	U	
TRIBUTYLTIN	3.8	U	

Parameter	Result	Val Qual	Qual Code
DIBUTYLTIN	5.6	UJ	Y
MONOBUTYLTIN	7.4	UJ	Y
TETRABUTYLTIN	7.4	UJ	Y
TRIBUTYLTIN	6.5	UJ	Y

PROJ_NO: 00279

SDG: 111177 MEDIA: SOIL DATA FRACTION: MISCO

nsample	SD-40-01	nsample	SD-40-02	nsample	SD-40-SS
samp_date	10/21/2005	samp_date	10/21/2005	samp_date	10/21/2005
lab_id	648321	lab_id	648322	lab_id	648320
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	40.0	Pct_Solids	41.0	Pct_Solids	30.0
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
DIBUTYLTIN	5		
MONOBUTYLTIN	4.2	U	
TETRABUTYLTIN	4.2	U	
TRIBUTYLTIN	3.7	U	

Parameter	Result	Val Qual	Qual Code
DIBUTYLTIN	8.5		
MONOBUTYLTIN	4.1	UR	D
TETRABUTYLTIN	4.1	U	
TRIBUTYLTIN	3.7	U	

Parameter	Result	Val Qual	Qual Code
DIBUTYLTIN	11	J	Y
MONOBUTYLTIN	5.7	UJ	Y
TETRABUTYLTIN	5.7	UJ	Y
TRIBUTYLTIN	5	UJ	Y

PROJ_NO: 00279

SDG: 111177 MEDIA: WATER DATA FRACTION: MISCO

nsample	SW-11	nsample	SW-13	nsample	SW-14
samp_date	10/20/2005	samp_date	10/20/2005	samp_date	10/20/2005
lab_id	648323	lab_id	648324	lab_id	648325
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/L	units	UG/L	units	UG/L
Pct_Solids		Pct_Solids		Pct_Solids	
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
DIBUTYLTIN	0.037	U	
MONOBUTYLTIN	0.15	U	
TETRABUTYLTIN	0.048	U	
TRIBUTYLTIN	0.043	U	

Parameter	Result	Val Qual	Qual Code
DIBUTYLTIN	0.037	U	
MONOBUTYLTIN	0.15	U	
TETRABUTYLTIN	0.048	U	
TRIBUTYLTIN	0.042	U	

Parameter	Result	Val Qual	Qual Code
DIBUTYLTIN	0.037	U	
MONOBUTYLTIN	0.15	U	
TETRABUTYLTIN	0.048	U	
TRIBUTYLTIN	0.043	U	

PROJ_NO: 00279

SDG: 111177 MEDIA: WATER DATA FRACTION: MISCO

nsample	SW-15	nsample	SW-17
samp_date	10/20/2005	samp_date	10/20/2005
lab_id	648326	lab_id	648327
qc_type	NM	qc_type	NM
units	UG/L	units	UG/L
Pct_Solids		Pct_Solids	
DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
DIBUTYLTIN	0.037	U	
MONOBUTYLTIN	0.15	U	
TETRABUTYLTIN	0.048	U	
TRIBUTYLTIN	0.043	U	

Parameter	Result	Val Qual	Qual Code
DIBUTYLTIN	0.037	U	
MONOBUTYLTIN	0.15	U	
TETRABUTYLTIN	0.048	U	
TRIBUTYLTIN	0.043	U	

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

FORM 1
ALKYLTIN ORGANICS ANALYSIS DATA SHEET

TTNUS SAMPLE NO.

SD-22-SS

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 111177

Matrix: (soil/water) SOIL Lab Sample ID: 648311

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 22NOV050953-R231

% Moisture: 75 decanted: (Y/N) N Date Received: 11/17/05

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/18/05

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/22/05

Injection Volume: 1.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1461-25-2	Tetrabutyltin	6.8	U
688-73-3	Tributyltin	6.0	U
1002-53-5	Dibutyltin	5.5	
2406-65-7	Monobutyltin	6.8	U

FORM 1
ALKYLTIN ORGANICS ANALYSIS DATA SHEET

TTNUS SAMPLE NO.

SD-28-01

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 111177

Matrix: (soil/water) SOIL Lab Sample ID: 648313

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 22NOV050953-R251

% Moisture: 63 decanted: (Y/N) N Date Received: 11/17/05

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/18/05

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/22/05

Injection Volume: 1.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1461-25-2	Tetrabutyltin	4.6	U
688-73-3	Tributyltin	4.1	U
1002-53-5	Dibutyltin	3.5	U
2406-65-7	Monobutyltin	4.6	U

FORM 1
ALKYLTIN ORGANICS ANALYSIS DATA SHEET

TTNUS SAMPLE NO.

SD-28-02

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 111177

Matrix: (soil/water) SOIL Lab Sample ID: 648314

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 22NOV050953-R281

% Moisture: 54 decanted: (Y/N) N Date Received: 11/17/05

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/18/05

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/22/05

Injection Volume: 1.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1461-25-2	Tetrabutyltin	3.7	U
688-73-3	Tributyltin	3.3	U
1002-53-5	Dibutyltin	2.8	U
2406-65-7	Monobutyltin	3.7	U

FORM 1
ALKYLTIN ORGANICS ANALYSIS DATA SHEET

TTNUS SAMPLE NO.

SD-28-SS

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 111177

Matrix: (soil/water) SOIL Lab Sample ID: 648312

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 22NOV050953-R241

% Moisture: 71 decanted: (Y/N) N Date Received: 11/17/05

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/18/05

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/22/05

Injection Volume: 1.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1461-25-2	Tetrabutyltin	5.9	U
688-73-3	Tributyltin	5.2	U
1002-53-5	Dibutyltin	4.5	U
2406-65-7	Monobutyltin	5.9	U

FORM 1
ALKYLTIN ORGANICS ANALYSIS DATA SHEET

TTNUS SAMPLE NO.

SD-29-SS

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 111177

Matrix: (soil/water) SOIL Lab Sample ID: 648318

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 22NOV050953-R321

% Moisture: 68 decanted: (Y/N) N Date Received: 11/17/05

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/18/05

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/22/05

Injection Volume: 1.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1461-25-2	Tetrabutyltin	5.3	U
688-73-3	Tributyltin	4.7	U
1002-53-5	Dibutyltin	9.9	
2406-65-7	Monobutyltin	5.3	U

FORM 1
ALKYLTIN ORGANICS ANALYSIS DATA SHEET

TTNUS SAMPLE NO.

SD-31-01

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 111177

Matrix: (soil/water) SOIL Lab Sample ID: 648316

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 22NOV050953-R301

% Moisture: 56 decanted: (Y/N) N Date Received: 11/17/05

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/18/05

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/22/05

Injection Volume: 1.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1461-25-2	Tetrabutyltin	3.9	U
688-73-3	Tributyltin	3.4	U
1002-53-5	Dibutyltin	3.0	U
2406-65-7	Monobutyltin	3.9	U

FORM 1
ALKYLTIN ORGANICS ANALYSIS DATA SHEET

TTNUS SAMPLE NO.

SD-31-02

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 111177

Matrix: (soil/water) SOIL Lab Sample ID: 648317

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 22NOV050953-R311

% Moisture: 69 decanted: (Y/N) N Date Received: 11/17/05

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/18/05

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/22/05

Injection Volume: 1.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1461-25-2	Tetrabutyltin	5.5	U
688-73-3	Tributyltin	4.8	U
1002-53-5	Dibutyltin	5.5	U
2406-65-7	Monobutyltin	5.5	U

FORM 1
ALKYLTIN ORGANICS ANALYSIS DATA SHEET

TTNUS SAMPLE NO.

SD-31-SS

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 111177

Matrix: (soil/water) SOIL Lab Sample ID: 648315

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 22NOV050953-R291

% Moisture: 61 decanted: (Y/N) N Date Received: 11/17/05

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/18/05

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/22/05

Injection Volume: 1.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1461-25-2	Tetrabutyltin	4.4	U
688-73-3	Tributyltin	3.8	U
1002-53-5	Dibutyltin	3.3	U
2406-65-7	Monobutyltin	4.4	U

FORM 1
ALKYLTIN ORGANICS ANALYSIS DATA SHEET

TTNUS SAMPLE NO.

SD-37-SS

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 111177

Matrix: (soil/water) SOIL Lab Sample ID: 648319

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 22NOV050953-R331

% Moisture: 77 decanted: (Y/N) N Date Received: 11/17/05

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/18/05

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/22/05

Injection Volume: 1.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1461-25-2	Tetrabutyltin	7.4	U
688-73-3	Tributyltin	6.5	U
1002-53-5	Dibutyltin	5.6	U
2406-65-7	Monobutyltin	7.4	U

FORM 1
ALKYLTIN ORGANICS ANALYSIS DATA SHEET

TTNUS SAMPLE NO.

SD-40-01

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 111177

Matrix: (soil/water) SOIL Lab Sample ID: 648321

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 22NOV050953-R351

% Moisture: 60 decanted: (Y/N) N Date Received: 11/17/05

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/18/05

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/22/05

Injection Volume: 1.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1461-25-2	Tetrabutyltin	4.2	U
688-73-3	Tributyltin	3.7	U
1002-53-5	Dibutyltin	5.0	
2406-65-7	Monobutyltin	4.2	U

FORM 1
ALKYLTIN ORGANICS ANALYSIS DATA SHEET

TTNUS SAMPLE NO.

SD-40-02

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 111177

Matrix: (soil/water) SOIL Lab Sample ID: 648322

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 22NOV050953-R361

% Moisture: 59 decanted: (Y/N) N Date Received: 11/17/05

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/18/05

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/22/05

Injection Volume: 1.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1461-25-2	Tetrabutyltin	4.1	U
688-73-3	Tributyltin	3.7	U
1002-53-5	Dibutyltin	8.5	
2406-65-7	Monobutyltin	4.1	U

FORM 1
ALKYLTIN ORGANICS ANALYSIS DATA SHEET

TTNUS SAMPLE NO.

SD-40-SS

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 111177

Matrix: (soil/water) SOIL Lab Sample ID: 648320

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 22NOV050953-R341

% Moisture: 70 decanted: (Y/N) N Date Received: 11/17/05

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/18/05

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/22/05

Injection Volume: 1.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1461-25-2	Tetrabutyltin	5.7	U
688-73-3	Tributyltin	5.0	U
1002-53-5	Dibutyltin	11	
2406-65-7	Monobutyltin	5.7	U

FORM 1
ALKYLTIN ORGANICS ANALYSIS DATA SHEET

TTNUS SAMPLE NO.

SW-11

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 111177

Matrix: (soil/water) WATER Lab Sample ID: 648323

Sample wt/vol: 1045 (g/mL) ML Lab File ID: 22NOV050953-R061

% Moisture: _____ decanted: (Y/N)___ Date Received: 11/17/05

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 11/19/05

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/22/05

Injection Volume: 1.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1461-25-2	Tetrabutyltin	0.048	U
688-73-3	Tributyltin	0.043	U
1002-53-5	Dibutyltin	0.037	U
2406-65-7	Monobutyltin	0.15	U

FORM 1
ALKYLTIN ORGANICS ANALYSIS DATA SHEET

TTNUS SAMPLE NO.

SW-13

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 111177

Matrix: (soil/water) WATER Lab Sample ID: 648324

Sample wt/vol: 1050 (g/mL) ML Lab File ID: 22NOV050953-R071

% Moisture: _____ decanted: (Y/N)___ Date Received: 11/17/05

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 11/19/05

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/22/05

Injection Volume: 1.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1461-25-2	Tetrabutyltin	0.048	U
688-73-3	Tributyltin	0.042	U
1002-53-5	Dibutyltin	0.037	U
2406-65-7	Monobutyltin	0.15	U

FORM 1
ALKYLTIN ORGANICS ANALYSIS DATA SHEET

TTNUS SAMPLE NO.

SW-14

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 111177

Matrix: (soil/water) WATER Lab Sample ID: 648325

Sample wt/vol: 1045 (g/mL) ML Lab File ID: 22NOV050953-R081

% Moisture: _____ decanted: (Y/N)___ Date Received: 11/17/05

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 11/19/05

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/22/05

Injection Volume: 1.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1461-25-2	Tetrabutyltin	0.048	U
688-73-3	Tributyltin	0.043	U
1002-53-5	Dibutyltin	0.037	U
2406-65-7	Monobutyltin	0.15	U

FORM 1
ALKYLTIN ORGANICS ANALYSIS DATA SHEET

TTNUS SAMPLE NO.

SW-15

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 111177

Matrix: (soil/water) WATER Lab Sample ID: 648326

Sample wt/vol: 1045 (g/mL) ML Lab File ID: 22NOV050953-R091

% Moisture: _____ decanted: (Y/N)___ Date Received: 11/17/05

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 11/19/05

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/22/05

Injection Volume: 1.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1461-25-2	Tetrabutyltin	0.048	U
688-73-3	Tributyltin	0.043	U
1002-53-5	Dibutyltin	0.037	U
2406-65-7	Monobutyltin	0.15	U

FORM 1
ALKYLTIN ORGANICS ANALYSIS DATA SHEET

TTNUS SAMPLE NO.

SW-17

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 111177

Matrix: (soil/water) WATER Lab Sample ID: 648327

Sample wt/vol: 1035 (g/mL) ML Lab File ID: 22NOV050953-R101

% Moisture: _____ decanted: (Y/N)___ Date Received: 11/17/05

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 11/19/05

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/22/05

Injection Volume: 1.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1461-25-2	Tetrabutyltin	0.048	U
688-73-3	Tributyltin	0.043	U
1002-53-5	Dibutyltin	0.037	U
2406-65-7	Monobutyltin	0.15	U

APPENDIX C

SUPPORT DOCUMENTATION

SEVERN TRENT STL®

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December 13, 2005

Ms. Amy Thomson
Tetra Tech NUS, Inc.
661 Anderson Dr.
Pittsburgh, PA 15220-2745

Re: Laboratory Project No. 25000
Case: 25000; SDG: 111177

Dear Ms. Thomson:

Enclosed are the analytical results for samples received by STL Burlington on November 17, 2005. This report is sequentially numbered starting with page 0001 and ending with page 0270. Laboratory identification numbers were assigned, and designated as follows:

Lab ID	Client Sample ID	Sample Date	Sample Matrix
	Received: 11/17/05 ETR No: 111177		
648311	SD-22-SS	10/21/05	Soil
648312	SD-28-SS	10/21/05	Soil
648313	SD-28-01	10/21/05	Soil
648314	SD-28-02	10/21/05	Soil
648315	SD-31-SS	10/21/05	Soil
648316	SD-31-01	10/21/05	Soil
648317	SD-31-02	10/21/05	Soil
648318	SD-29-SS	10/21/05	Soil
648319	SD-37-SS	10/21/05	Soil
648320	SD-40-SS	10/21/05	Soil
648321	SD-40-01	10/21/05	Soil
648322	SD-40-02	10/21/05	Soil
648323	SW-11	10/20/05	Water
648324	SW-13	10/20/05	Water
648325	SW-14	10/20/05	Water
648326	SW-15	10/20/05	Water
648327	SW-17	10/20/05	Water

Documentation of the condition of the samples at the time of their receipt and any exception to the laboratory's Sample Acceptance Policy is documented in the Sample Handling section of this submittal. It should be noted that the samples were received outside of the prescribed holding time for the analyses requested, and there was no formal chain of custody included with the shipment of the samples.

The samples were analyzed for alkyltins using an internal standard form of analysis, with tetra-n-propyltin as the internal standard. Peak area was used as the measure of instrument response in performing calibration and quantification. The analytical report forms list the alkyltin analytes as

unsubstituted alkyltin compounds, and these are correctly stated. The analysis of three of the compounds employed the use of alkyltin chlorides. These are tributyltin chloride, dibutyltin dichloride, and monobutyltin trichloride. The derived results for these compounds were converted to reflect the concentration of the unsubstituted form. The following conversion factors were used:

Analyte	Factor	Converts to
tetrabutyltin	1.0	tetrabutyltin
tributyltin chloride	0.89	tributyltin
dibutyltin dichloride	0.77	dibutyltin
monobutyltin trichloride	0.62	monobutyltin
tripentyltin chloride (SS)	0.90	tripentyltin
tetrapropyltin (IS)	1.0	tetrapropyltin

Each of the analyses for alkyltins exhibited good surrogate recovery. The recovery of monobutyltin in the analysis of the matrix spike and matrix spike duplicate was zero percent. Laboratory control samples were prepared and analyzed in association with the samples. There were acceptable recoveries of the spiked analytes in each of the analyses. The recovery of monobutyltin in the laboratory control sample A111905LCS, which was associated with the water samples, was sixteen percent. In general, monobutyltin is not recovered well in this method of analysis, and the low recovery efficiency of monobutyltin is consistent with the laboratory's experience in performing this work. The monobutyltin was better recovered in the solid laboratory control sample approximating seventy percent. The method blank associated with this analytical work was free of contamination.

The analytical results associated with the samples presented in this test report were generated under a quality system that adheres to requirements specified in the NELAC standard. Release of the data in this test report and any associated electronic deliverables is authorized by the Laboratory Director's designee as verified by the following signature.

If there are any questions regarding this submittal, please contact me at 802 655-1203.

Sincerely,

Richard H. Karam
Project Manager

Enclosure

HOLDTIME

SDG 111177

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
MISC	%	SD-31-01	648316	NM	10/21/2005	11/18/2005	11/22/2005	28	4	32
MISC	%	SD-22-SS	648311	NM	10/21/2005	11/18/2005	11/22/2005	28	4	32
MISC	%	SD-40-02	648322	NM	10/21/2005	11/18/2005	11/22/2005	28	4	32
MISC	%	SD-40-01	648321	NM	10/21/2005	11/22/2005	11/22/2005	32	0	32
MISC	%	SD-40-01	648321	NM	10/21/2005	11/18/2005	11/22/2005	28	4	32
MISC	%	SD-37-SS	648319	NM	10/21/2005	11/22/2005	11/22/2005	32	0	32
MISC	%	SD-37-SS	648319	NM	10/21/2005	11/18/2005	11/22/2005	28	4	32
MISC	%	SD-31-SS	648315	NM	10/21/2005	11/22/2005	11/22/2005	32	0	32
MISC	%	SD-31-SS	648315	NM	10/21/2005	11/18/2005	11/22/2005	28	4	32
MISC	%	SD-31-02	648317	NM	10/21/2005	11/22/2005	11/22/2005	32	0	32
MISC	%	SD-40-SS	648320	NM	10/21/2005	11/18/2005	11/22/2005	28	4	32
MISC	%	SD-31-01	648316	NM	10/21/2005	11/22/2005	11/22/2005	32	0	32
MISC	%	SD-40-SS	648320	NM	10/21/2005	11/22/2005	11/22/2005	32	0	32
MISC	%	SD-29-SS	648318	NM	10/21/2005	11/22/2005	11/22/2005	32	0	32
MISC	%	SD-29-SS	648318	NM	10/21/2005	11/18/2005	11/22/2005	28	4	32

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
MISC	%	SD-28-SS	648312	NM	10/21/2005	11/22/2005	11/22/2005	32	0	32
MISC	%	SD-28-SS	648312	NM	10/21/2005	11/18/2005	11/22/2005	28	4	32
MISC	%	SD-28-02	648314	NM	10/21/2005	11/22/2005	11/22/2005	32	0	32
MISC	%	SD-28-02	648314	NM	10/21/2005	11/18/2005	11/22/2005	28	4	32
MISC	%	SD-28-01	648313	NM	10/21/2005	11/22/2005	11/22/2005	32	0	32
MISC	%	SD-28-01	648313	NM	10/21/2005	11/18/2005	11/22/2005	28	4	32
MISC	%	SD-22-SS	648311	NM	10/21/2005	11/22/2005	11/22/2005	32	0	32
MISC	%	SD-31-02	648317	NM	10/21/2005	11/18/2005	11/22/2005	28	4	32
MISC	%	SW-11	648323	NM	10/20/2005	11/19/2005	11/22/2005	30	3	33
MISC	%	SW-13	648324	NM	10/20/2005	11/19/2005	11/22/2005	30	3	33
MISC	%	SW-14	648325	NM	10/20/2005	11/19/2005	11/22/2005	30	3	33
MISC	%	SW-15	648326	NM	10/20/2005	11/19/2005	11/22/2005	30	3	33
MISC	%	SW-17	648327	NM	10/20/2005	11/19/2005	11/22/2005	30	3	33
MISC	%	SD-40-02	648322	NM	10/21/2005	11/22/2005	11/22/2005	32	0	32
MISC	UG/KG	SD-29-SS	648318	NM	10/21/2005	11/18/2005	11/22/2005	28	4	32
MISC	UG/KG	SD-40-SS	648320	NM	10/21/2005	11/18/2005	11/22/2005	28	4	32
MISC	UG/KG	SD-40-02	648322	NM	10/21/2005	11/18/2005	11/22/2005	28	4	32
MISC	UG/KG	SD-40-01	648321	NM	10/21/2005	11/18/2005	11/22/2005	28	4	32

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
MISC	UG/KG	SD-37-SS	648319	NM	10/21/2005	11/18/2005	11/22/2005	28	4	32
MISC	UG/KG	SD-31-SS	648315	NM	10/21/2005	11/18/2005	11/22/2005	28	4	32
MISC	UG/KG	SD-31-01	648316	NM	10/21/2005	11/18/2005	11/22/2005	28	4	32
MISC	UG/KG	SD-28-SS	648312	NM	10/21/2005	11/18/2005	11/22/2005	28	4	32
MISC	UG/KG	SD-28-02	648314	NM	10/21/2005	11/18/2005	11/22/2005	28	4	32
MISC	UG/KG	SD-28-01	648313	NM	10/21/2005	11/18/2005	11/22/2005	28	4	32
MISC	UG/KG	SD-22-SS	648311	NM	10/21/2005	11/18/2005	11/22/2005	28	4	32
MISC	UG/KG	SD-31-02	648317	NM	10/21/2005	11/18/2005	11/22/2005	28	4	32
MISC	UG/L	SW-17	648327	NM	10/20/2005	11/19/2005	11/22/2005	30	3	33
MISC	UG/L	SW-11	648323	NM	10/20/2005	11/19/2005	11/22/2005	30	3	33
MISC	UG/L	SW-13	648324	NM	10/20/2005	11/19/2005	11/22/2005	30	3	33
MISC	UG/L	SW-14	648325	NM	10/20/2005	11/19/2005	11/22/2005	30	3	33
MISC	UG/L	SW-15	648326	NM	10/20/2005	11/19/2005	11/22/2005	30	3	33

FORM 3
SOIL ALKYLTIN MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 111177

Matrix Spike - TTNUS Sample No.: SD-40-02

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC #	QC. LIMITS REC.
Tetrabutyltin	41	0.0	35	85	30-160
Tributyltin	36	0.0	33	92	10-120
Dibutyltin	31	8.5	35	85	10-130
Monobutyltin	25	0.0	0.0	0*	10- 85

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Tetrabutyltin	41	34	83	2	30	30-160
Tributyltin	36	32	89	3	50	10-120
Dibutyltin	31	34	82	4	50	10-130
Monobutyltin	25	0.0	0*		50	10- 85

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 4 outside limits
Spike Recovery: 2 out of 8 outside limits

COMMENTS: _____

FORM 3
WATER ALKYLTIN LAB CONTROL SAMPLE

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 111177

Matrix Spike - Sample No.: A111905LCS

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC #	QC. LIMITS REC.
Tetrabutyltin	0.50		0.50	100	30-130
Tributyltin	0.45		0.40	89	40-115
Dibutyltin	0.39		0.38	97	35-125
Monobutyltin	0.31		0.050	16	10- 45

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 4 outside limits

COMMENTS: _____

FORM III alkyltin

CALCULATION WORKSHEET

CLIENT: LOCKHEED MIDDLE RIVER	**SDG No.** 111177
SUBJECT: EXAMPLE CALCULATION - DIBUTYLTIN IN SOIL/SEDIMENT	
BY: T. JACKMAN	**DATE:** 01/09/06

Sample ID = SD-31-02
Concentration = 5.5 ug/kg

EQUATION:

$$C_w = \frac{A_x \times Is \times V_t \times Df}{A_{is} \times RRF \times V_i \times W_s \times D}$$

Where:

C_s	=	analyte concentration in soil		ug/l
A_x	=	analyte response	= 20630	
Is	=	amount of internal standard	= 0.75	ng
V_t	=	volume of final extract	= 1	mL
Df	=	dilution factor	= 1	
A_{is}	=	response of internal standard	= 159357	
RRF	=	response factor of analyte	= 1.26	
V_i	=	volume injected	= 1.5	uL
Ws	=	sample weight	= 0.03	kg
D	=	percent solids	= 0.31	

Therefore: 1,4-dioxane concentration in water =

$$\frac{20630 \times 0.75ng \times 1mL \times 1}{159357 \times 1.255 \times 1.5uL \times 0.03kg \times 0.31}$$

C_s = 5.55 ug/kg

FORM 1
ALKYLTIN ORGANICS ANALYSIS DATA SHEET

TTNUS SAMPLE NO.

SD-31-02

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 111177

Matrix: (soil/water) SOIL Lab Sample ID: 648317

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 22NOV050953-R311

% Moisture: 69 decanted: (Y/N) N Date Received: 11/17/05

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 11/18/05

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/22/05

Injection Volume: 1.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
1461-25-2	Tetrabutyltin	5.5	U
688-73-3	Tributyltin	4.8	U
1002-53-5	Dibutyltin	5.5	
2406-65-7	Monobutyltin	5.5	U

FORM I alkyltin

STL Burlington - Target GC Injection Report

Lab Sample ID: 648317 Client Sample ID: SD-31-02

Matrix	: SOIL	Sample Type	: SAMPLE
Analyst	: JLC	Injection Date	: 22-NOV-2005 18:26
Instrument	: 2622_1.i	Dilution Factor	: 1.00
Column	: RTX-35	Data File	: 22nov050953-r311.d
Integrator	: Falcon	Compound Sublist	: all
Method	: /var/chem/2622_1.i/110405_1/22NOV050953.b/OR560RTX35_2005.m		
Reported	: 12-Dec-2005 13:42 jlc		

Peaks

	Peak No.	Peak RT	Expected RT	Delta RT	Area	Height	Extract Conc. (ug/L)	Flags	Peak Identification
	1	0.727			79999	37790			
	2	1.188			164752	99585			
	3	1.241			20476	17326			
	4	1.275			664449	102824			
	5	1.793			8389	4694			
	6	3.715	3.697	0.018	159357	82447	500.000000		Tetra-n-propyl tin
	7	4.369			24915	12943			
	8	5.287			124293	78741			
	9	6.925			115726	75711			
	10	7.856			10917	4487			
	11	7.922	7.902	0.020	20630	10837	51.5549179		Dibutyltin
$	12	8.299	8.275	0.024	120287	66687	386.869172		Tripentyltin
	13	8.725			8700	3366			

Flags: A - Peak quantitates above calibration range
a - Peak quantitates below reporting limit
H - User selected alternate compound hit
M - Peak manually integrated or manually identified
R - Peak fails recovery

Target Compounds

Peak RT	Expected RT	Target Compound
3.715	3.697	Tetra-n-propyl tin
	5.934	Tetrabutyltin
	6.978	Tributyltin
7.922	7.902	Dibutyltin
8.299	8.275	Tripentyltin
	8.731	Monobutyltin

CALCULATION WORKSHEET

CLIENT: LOCKHEED MIDDLE RIVER	**SDG No.** MID-15
SUBJECT: EXAMPLE CALCULATION - DIBUTYLTIN (AQUEOUS)	
BY: T. JACKMAN	**DATE:** 01/12/06

Sample ID = A111905LCS
Concentration = 0.38 ug/L

EQUATION:

$$C_w = \frac{A_x \times Is \times V_t \times Df}{A_{is} \times RRF \times V_o \times V_i}$$

Where:

C_w	=	analyte concentration in water		ug/l
A_x	=	analyte response	=	133634
Is	=	amount of internal standard	=	0.75 ng
V_t	=	volume of final extract	=	1 mL
Df	=	dilution factor	=	1
A_{is}	=	response of internal standard	=	141144
RRF	=	response factor of analyte	=	1.26
V_o	=	sample volume	=	1 L
V_i	=	volume injected	=	1.5 uL

Therefore: dibutylin concentration in water =

$$\frac{133634 \times 0.75ng \times 1mL \times 1}{141144 \times 1.255 \times 1L \times 1.5uL}$$

C_w = 0.3772 ng/ul

C_w = **0.38** **ug/L**

FORM 1
ALKYLTIN ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

A111905LCS

Lab Name: STL BURLINGTON Contract: 25000

Lab Code: STLVT Case No.: 25000 SAS No.: SDG No.: 111177

Matrix: (soil/water) WATER Lab Sample ID: A111905LCS

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 22NOV050953-R051

% Moisture: _____ decanted: (Y/N)___ Date Received: _____

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 11/19/05

Concentrated Extract Volume: 1(mL) Date Analyzed: 11/22/05

Injection Volume: 1.5(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: ___ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1461-25-2	Tetrabutyltin	0.50	
688-73-3	Tributyltin	0.40	
1002-53-5	Dibutyltin	0.38	
2406-65-7	Monobutyltin	0.050	J

FORM I alkyltin

STL Burlington - Target GC Injection Report

Lab Sample ID: A111905LCS Client Sample ID: A111905LCS

Matrix	: WATER	Sample Type	: LCS
Analyst	: JLC	Injection Date	: 22-NOV-2005 11:11
Instrument	: 2622_1.i	Dilution Factor	: 1.00
Column	: RTX-35	Data File	: 22nov050953-r051.d
Integrator	: Falcon	Compound Sublist	: all
Method	: /var/chem/2622_1.i/110405_1/22NOV050953.b/OR560RTX35_2005.m		
Reported	: 12-Dec-2005 13:40 jlc		

Peaks

	Peak No.	Peak RT	Expected RT	Delta RT	Area	Height	Extract Conc. (ug/L)	Flags	Peak Identification
	1	0.729			92948	38948			
	2	1.244			16988	16605			
	3	1.272			549026	89360			
	4	1.716			8710	4352			
	5	3.726	3.697	0.029	141144	76122	500.000000		Tetra-n-propyl tin
	6	5.963	5.934	0.029	114709	64676	497.024593		Tetrabutyltin
	7	7.009	6.978	0.031	112370	64734	395.884002		Tributyltin
	8	7.931	7.902	0.029	133634	76430	377.061022		Dibutyltin
$	9	8.304	8.275	0.029	99466	58763	361.181358		Tripentyltin
	10	8.727			16953	9379			
	11	8.762	8.731	0.031	22496	11824	53.6628758	a	Monobutyltin

Flags: A - Peak quantitates above calibration range
a - Peak quantitates below reporting limit
H - User selected alternate compound hit
M - Peak manually integrated or manually identified
R - Peak fails recovery

Target Compounds

Peak RT	Expected RT	Target Compound
3.726	3.697	Tetra-n-propyl tin
5.963	5.934	Tetrabutyltin
7.009	6.978	Tributyltin
7.931	7.902	Dibutyltin
8.304	8.275	Tripentyltin
8.762	8.731	Monobutyltin

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO: **M. MARTIN** **DATE:** **NOVEMBER 18, 2005**

FROM: **ERIN M. FAUST** **COPIES:** **DV FILE**

SUBJECT: **INORGANIC DATA VALIDATION – TAL METALS AND MISCELLANEOUS PARAMETERS**
LOCKHEED MIDDLE RIVER
SAMPLE DELIVERY GROUP (SDG) – MID-5

SAMPLES: 19/Sediment/

SD-13-01	SD-13-02	SD-13-SS
SD-14-01	SD-14-02	SD-14-SS
SD-15-SS	SD-16-01	SD-16-02
SD-16-SS	SD-17-SS	SD-18-SS
SD-19-01	SD-19-02	SD-19-SS
SD-20-SS	SD-21-SS	SD-22-SS
SD-23-SS		

Overview

The sample set for Lockheed Middle River, SDG MID-5, consists of nineteen (19) sediment environmental samples.

All samples were analyzed for antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, zinc and hexavalent chromium. In addition, samples SD-17-SS, SD-19-01, SD-19-02, SD-19-SS and SD-23-SS were also analyzed for total organic carbon (TOC). The samples were collected on October 20 and 21, 2005 and analyzed by Katahdin Analytical Services. Metals analyses, with the exception of mercury, were conducted using SW-846 method 6010B. Mercury analyses were conducted using SW-846 method 7471A. Analyses for hexavalent chromium were conducted using SW-846 method 7196A. TOC analyses were conducted using the Lloyd Kahn method.

Summary

All analytes were successfully analyzed. The findings offered in this report are based upon a general review of all available data. The data review was based on data completeness, holding times, calibration data, laboratory method/preparation blanks, interference check sample (ICS) results, matrix spike (MS) results, laboratory duplicate results, laboratory control sample (LCS) results, detection limits and analyte quantitation.

All metals analyses, with the exception of mercury, were conducted using Inductively Coupled Plasma (ICP) instrumentation. Mercury analyses were conducted using Cold Vapor Atomic Absorption (CVAA) instrumentation.

Areas of concern with respect to data quality are listed below.

Minor Problems

- The Contract Required Detection Limit (CRDL) percent recoveries for copper, selenium and silver on 11/2/05 were < 90% quality control limit, affecting all samples. The positive results, less than two times the CRDL, reported for selenium and silver were qualified as biased low, "L", or estimated, "J", due to conflicting noncompliances. The nondetected results reported for selenium were qualified as biased low, "UL", or estimated, "UJ", due to conflicting noncompliances. No validation action was necessary for copper because all results were greater than two times the CRDL.

- The matrix spike (MS) percent recovery for mercury was < 75% quality control limit. Positive results reported for mercury were qualified as biased low, "L", or estimated, "J", due to conflicting noncompliances.

- The MS percent recovery for hexavalent chromium was < 75% quality control limit. Nondetected results reported for hexavalent chromium were qualified as biased low, "UL", or estimated, "UJ", due to conflicting noncompliances. Positive results reported for hexavalent chromium were qualified as estimated, "J", due to conflicting noncompliances.

- Positive and nondetected results reported for all analytes in samples SD-13-SS, SD-15-SS, SD-16-SS, SD-17-SS, SD-18-SS, SD-19-SS, SD-20-SS, SD-21-SS, SD-22-SS and SD-23-SS were qualified as estimated, "J" and "UJ", respectively, due to low (< 30%) percent solids.

- The positive result reported for hexavalent chromium in sample SD-14-SS was qualified as estimated, "J", due to uncertainty near the detection limit.

Notes

The following contaminant was detected in the laboratory preparation blank at the following maximum concentration:

Analyte	Maximum Concentration	Action Level
Zinc[1]	0.49 mg/kg	2.45 mg/kg

[1] Maximum concentration present in a laboratory preparation blank.

An action level of five times the maximum contaminant level has been used to evaluate sample data for blank contamination. Sample aliquot, percent solids and dilution factors, if applicable, were taken into consideration when evaluating for blank contamination. No validation action was necessary because all results were greater than the action level.

The laboratory preformed MS analyses for mercury and hexavalent chromium. The laboratory did not perform MS, laboratory duplicate or ICP serial dilution analyses for any other metals on any of the samples within this SDG.

The Practical Quantitation Limit (PQL) percent recoveries for antimony, lead, molybdenum, silver and thallium on 11/2/05 were < 90% quality control limit. No validation action was taken based on the PQL percent recoveries.

The PQL percent recovery for mercury on 10/28/05 was > 120% quality control limit. No validation action was taken based on the PQL percent recoveries.

Mercury was analyzed at a 2X dilution in sample SD-16-02.

Executive Summary

Laboratory Performance: Selenium and silver were qualified due to calibration noncompliance. Zinc was present in the laboratory preparation blank.

Other Factors Affecting Data Quality: Hexavalent chromium and mercury were qualified due to MS noncompliance. Hexavalent chromium was qualified due to uncertainty near the detection limit in sample SD-14-SS. Several analytes were qualified due to low percent solids in several samples.

The data for these analyses were reviewed with reference to the "National Functional Guidelines for Inorganic Data Validation", April 1993 as amended for use within USEPA Region III.

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

Tetra Tech NUS
Erin M. Faust
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

Data Qualifier Key:

J - Positive result is considered estimated, "J", as a result of technical noncompliances.

L - Positive result is considered biased low, "L", as a result of technical noncompliances.

U - Value is a nondetect as reported by the laboratory.

UJ - Nondetected result is considered estimated, "UJ", as a result of technical noncompliances.

UL - Nondetected result is considered biased low, "UL", as a result of technical noncompliances.

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: 00275

SDG: MID-5 MEDIA: SOIL DATA FRACTION: M

nsample	SD-13-01	nsample	SD-13-02	nsample	SD-13-SS
samp_date	10/20/2005	samp_date	10/20/2005	samp_date	10/20/2005
lab_id	WV5583-002	lab_id	WV5583-003	lab_id	WV5583-001
qc_type	NM	qc_type	NM	qc_type	NM
units	MG/KG	units	MG/KG	units	MG/KG
Pct_Solids	32.3	Pct_Solids	41.2	Pct_Solids	25.6
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANTIMONY	2.0		
ARSENIC	6.9		
BARIUM	68.9		
BERYLLIUM	1.8		
CADMIUM	13.6		
CHROMIUM	227		
COBALT	14.5		
COPPER	107		
LEAD	242		
MERCURY	0.73	L	D
MOLYBDENUM	1.9		
NICKEL	49.6		
SELENIUM	0.79	UL	C
SILVER	16.2		
THALLIUM	1.36	U	
VANADIUM	82.2		
ZINC	423		

Parameter	Result	Val Qual	Qual Code
ANTIMONY	3.4		
ARSENIC	5.6		
BARIUM	112		
BERYLLIUM	2.0		
CADMIUM	21.8		
CHROMIUM	499		
COBALT	13.9		
COPPER	67.4		
LEAD	169		
MERCURY	1.9	L	D
MOLYBDENUM	2.7		
NICKEL	34.2		
SELENIUM	0.57	L	C
SILVER	28.6		
THALLIUM	1.3		
VANADIUM	51.7		
ZINC	452		

Parameter	Result	Val Qual	Qual Code
ANTIMONY	1.09	UJ	Y
ARSENIC	9.0	J	Y
BARIUM	49.5	J	Y
BERYLLIUM	2.2	J	Y
CADMIUM	5.9	J	Y
CHROMIUM	124	J	Y
COBALT	18.8	J	Y
COPPER	116	J	Y
LEAD	127	J	Y
MERCURY	0.48	J	DY
MOLYBDENUM	2.0	J	Y
NICKEL	42.5	J	Y
SELENIUM	0.95	UJ	CY
SILVER	2.3	J	CY
THALLIUM	1.63	UJ	Y
VANADIUM	55.0	J	Y
ZINC	464	J	Y

PROJ_NO: 00275

SDG: MID-5 MEDIA: SOIL DATA FRACTION: M

nsample	SD-14-01	nsample	SD-14-02	nsample	SD-14-SS
samp_date	10/20/2005	samp_date	10/20/2005	samp_date	10/20/2005
lab_id	WV5583-005	lab_id	WV5583-006	lab_id	WV5583-004
qc_type	NM	qc_type	NM	qc_type	NM
units	MG/KG	units	MG/KG	units	MG/KG
Pct_Solids	46.3	Pct_Solids	48.4	Pct_Solids	77.2
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANTIMONY	0.72	U	
ARSENIC	3.9		
BARIUM	27.9		
BERYLLIUM	1.9		
CADMIUM	0.07		
CHROMIUM	28.0		
COBALT	11.3		
COPPER	16.0		
LEAD	8.9		
MERCURY	0.06	L	D
MOLYBDENUM	0.88		
NICKEL	19.1		
SELENIUM	0.63	UL	C
SILVER	0.49	L	C
THALLIUM	1.08	U	
VANADIUM	27.8		
ZINC	54.0		

Parameter	Result	Val Qual	Qual Code
ANTIMONY	0.65	U	
ARSENIC	3.8		
BARIUM	26.3		
BERYLLIUM	1.7		
CADMIUM	0.52		
CHROMIUM	35.6		
COBALT	9.5		
COPPER	16.0		
LEAD	11.0		
MERCURY	0.04	L	D
MOLYBDENUM	1.2		
NICKEL	17.4		
SELENIUM	0.57	UL	C
SILVER	2.0	L	C
THALLIUM	0.97	U	
VANADIUM	26.2		
ZINC	64.5		

Parameter	Result	Val Qual	Qual Code
ANTIMONY	0.96		
ARSENIC	4.0		
BARIUM	60.6		
BERYLLIUM	0.46		
CADMIUM	3.5		
CHROMIUM	75.0		
COBALT	4.4		
COPPER	19.1		
LEAD	42.2		
MERCURY	0.34	L	D
MOLYBDENUM	1.3		
NICKEL	9.9		
SELENIUM	0.37	UL	C
SILVER	14.9		
THALLIUM	0.64	U	
VANADIUM	14.9		
ZINC	132		

PROJ_NO: 00275

SDG: MID-5 MEDIA: SOIL DATA FRACTION: M

nsample	SD-15-SS	nsample	SD-16-01	nsample	SD-16-02
samp_date	10/21/2005	samp_date	10/20/2005	samp_date	10/20/2005
lab_id	WV5604-001	lab_id	WV5583-008	lab_id	WV5583-009
qc_type	NM	qc_type	NM	qc_type	NM
units	MG/KG	units	MG/KG	units	MG/KG
Pct_Solids	24.9	Pct_Solids	31.7	Pct_Solids	31.8
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANTIMONY	1.8	J	Y
ARSENIC	10.5	J	Y
BARIUM	57.4	J	Y
BERYLLIUM	2.2	J	Y
CADMIUM	4.7	J	Y
CHROMIUM	120	J	Y
COBALT	17.8	J	Y
COPPER	124	J	Y
LEAD	123	J	Y
MERCURY	0.44	J	DY
MOLYBDENUM	2.3	J	Y
NICKEL	39.6	J	Y
SELENIUM	1.12	UJ	CY
SILVER	1.8	J	CY
THALLIUM	1.91	UJ	Y
VANADIUM	57.8	J	Y
ZINC	405	J	Y

Parameter	Result	Val Qual	Qual Code
ANTIMONY	1.5		
ARSENIC	6.6		
BARIUM	71.9		
BERYLLIUM	2.2		
CADMIUM	26.8		
CHROMIUM	443		
COBALT	17.8		
COPPER	109		
LEAD	251		
MERCURY	3.5	L	D
MOLYBDENUM	1.8		
NICKEL	69.1		
SELENIUM	0.94	UL	C
SILVER	27.3		
THALLIUM	2.1		
VANADIUM	110		
ZINC	484		

Parameter	Result	Val Qual	Qual Code
ANTIMONY	2.2		
ARSENIC	2.8		
BARIUM	104		
BERYLLIUM	2.6		
CADMIUM	56.4		
CHROMIUM	1080		
COBALT	18.2		
COPPER	95.2		
LEAD	219		
MERCURY	6.1	L	D
MOLYBDENUM	1.9		
NICKEL	52.6		
SELENIUM	1.04	UL	C
SILVER	24.7		
THALLIUM	1.78	U	
VANADIUM	78.3		
ZINC	612		

PROJ_NO: 00275

SDG: MID-5 MEDIA: SOIL DATA FRACTION: M

nsample	SD-16-SS	nsample	SD-17-SS	nsample	SD-18-SS
samp_date	10/20/2005	samp_date	10/21/2005	samp_date	10/21/2005
lab_id	WV5583-007	lab_id	WV5604-002	lab_id	WV5604-003
qc_type	NM	qc_type	NM	qc_type	NM
units	MG/KG	units	MG/KG	units	MG/KG
Pct_Solids	24.0	Pct_Solids	24.8	Pct_Solids	21.8
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANTIMONY	1.33	UJ	Y
ARSENIC	9.6	J	Y
BARIUM	45.2	J	Y
BERYLLIUM	2.2	J	Y
CADMIUM	5.1	J	Y
CHROMIUM	127	J	Y
COBALT	17.9	J	Y
COPPER	116	J	Y
LEAD	109	J	Y
MERCURY	0.40	J	DY
MOLYBDENUM	1.2	J	Y
NICKEL	39.3	J	Y
SELENIUM	1.16	UJ	CY
SILVER	1.9	J	CY
THALLIUM	2.1	J	Y
VANADIUM	52.2	J	Y
ZINC	373	J	Y

Parameter	Result	Val Qual	Qual Code
ANTIMONY	1.5	J	Y
ARSENIC	11.9	J	Y
BARIUM	52.8	J	Y
BERYLLIUM	2.5	J	Y
CADMIUM	4.6	J	Y
CHROMIUM	125	J	Y
COBALT	19.3	J	Y
COPPER	127	J	Y
LEAD	114	J	Y
MERCURY	0.39	J	DY
MOLYBDENUM	1.6	J	Y
NICKEL	42.4	J	Y
SELENIUM	2.3	J	CY
SILVER	1.7	J	CY
THALLIUM	2.23	UJ	Y
VANADIUM	61.4	J	Y
ZINC	384	J	Y

Parameter	Result	Val Qual	Qual Code
ANTIMONY	1.7	J	Y
ARSENIC	11.3	J	Y
BARIUM	51.9	J	Y
BERYLLIUM	2.4	J	Y
CADMIUM	4.6	J	Y
CHROMIUM	132	J	Y
COBALT	19.6	J	Y
COPPER	131	J	Y
LEAD	115	J	Y
MERCURY	0.40	J	DY
MOLYBDENUM	1.2	J	Y
NICKEL	40.9	J	Y
SELENIUM	1.24	UJ	CY
SILVER	1.5	J	CY
THALLIUM	2.11	UJ	Y
VANADIUM	57.4	J	Y
ZINC	372	J	Y

PROJ_NO: 00275

SDG: MID-5 MEDIA: SOIL DATA FRACTION: M

nsample	SD-19-01	nsample	SD-19-02	nsample	SD-19-SS
samp_date	10/21/2005	samp_date	10/21/2005	samp_date	10/21/2005
lab_id	WV5604-005	lab_id	WV5604-006	lab_id	WV5604-004
qc_type	NM	qc_type	NM	qc_type	NM
units	MG/KG	units	MG/KG	units	MG/KG
Pct_Solids	31.7	Pct_Solids	66.8	Pct_Solids	29.8
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANTIMONY	2.0		
ARSENIC	3.0		
BARIUM	85.1		
BERYLLIUM	1.8		
CADMIUM	34.4		
CHROMIUM	756		
COBALT	13.2		
COPPER	57.6		
LEAD	130		
MERCURY	1.0	L	D
MOLYBDENUM	1.0		
NICKEL	35.1		
SELENIUM	0.90	UL	C
SILVER	11.5		
THALLIUM	1.53	U	
VANADIUM	49.2		
ZINC	458		

Parameter	Result	Val Qual	Qual Code
ANTIMONY	0.46	U	
ARSENIC	3.0		
BARIUM	28.2		
BERYLLIUM	1.1		
CADMIUM	2.7		
CHROMIUM	79.0		
COBALT	6.4		
COPPER	15.2		
LEAD	37.0		
MERCURY	0.17	L	D
MOLYBDENUM	0.79		
NICKEL	14.6		
SELENIUM	0.40	UL	C
SILVER	3.5		
THALLIUM	0.86		
VANADIUM	24.2		
ZINC	76.0		

Parameter	Result	Val Qual	Qual Code
ANTIMONY	1.07	UJ	Y
ARSENIC	8.2	J	Y
BARIUM	45.8	J	Y
BERYLLIUM	2.2	J	Y
CADMIUM	7.2	J	Y
CHROMIUM	135	J	Y
COBALT	19.3	J	Y
COPPER	97.3	J	Y
LEAD	125	J	Y
MERCURY	0.43	J	DY
MOLYBDENUM	1.3	J	Y
NICKEL	42.4	J	Y
SELENIUM	0.93	UJ	CY
SILVER	2.3	J	CY
THALLIUM	1.59	UJ	Y
VANADIUM	56.3	J	Y
ZINC	427	J	Y

PROJ_NO: 00275

SDG: MID-5 MEDIA: SOIL DATA FRACTION: M

nsample	SD-20-SS	nsample	SD-21-SS	nsample	SD-22-SS
samp_date	10/21/2005	samp_date	10/21/2005	samp_date	10/21/2005
lab_id	WV5604-007	lab_id	WV5604-008	lab_id	WV5604-009
qc_type	NM	qc_type	NM	qc_type	NM
units	MG/KG	units	MG/KG	units	MG/KG
Pct_Solids	22.1	Pct_Solids	25.2	Pct_Solids	22.9
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANTIMONY	1.4	J	Y
ARSENIC	10.2	J	Y
BARIUM	52.0	J	Y
BERYLLIUM	2.4	J	Y
CADMIUM	5.4	J	Y
CHROMIUM	140	J	Y
COBALT	19.6	J	Y
COPPER	126	J	Y
LEAD	115	J	Y
MERCURY	0.46	J	DY
MOLYBDENUM	1.3	J	Y
NICKEL	41.0	J	Y
SELENIUM	1.13	UJ	CY
SILVER	1.7	J	CY
THALLIUM	1.94	UJ	Y
VANADIUM	55.6	J	Y
ZINC	386	J	Y

Parameter	Result	Val Qual	Qual Code
ANTIMONY	1.35	UJ	Y
ARSENIC	9.4	J	Y
BARIUM	38.2	J	Y
BERYLLIUM	1.9	J	Y
CADMIUM	3.3	J	Y
CHROMIUM	98.4	J	Y
COBALT	15.2	J	Y
COPPER	104	J	Y
LEAD	86.0	J	Y
MERCURY	0.33	J	DY
MOLYBDENUM	1.0	J	Y
NICKEL	31.5	J	Y
SELENIUM	1.2	J	CY
SILVER	0.97	J	CY
THALLIUM	2.01	UJ	Y
VANADIUM	44.0	J	Y
ZINC	281	J	Y

Parameter	Result	Val Qual	Qual Code
ANTIMONY	1.35	UJ	Y
ARSENIC	11.2	J	Y
BARIUM	61.1	J	Y
BERYLLIUM	2.5	J	Y
CADMIUM	5.2	J	Y
CHROMIUM	156	J	Y
COBALT	22.2	J	Y
COPPER	151	J	Y
LEAD	127	J	Y
MERCURY	0.40	J	DY
MOLYBDENUM	1.3	J	Y
NICKEL	46.1	J	Y
SELENIUM	1.18	UJ	CY
SILVER	1.8	J	CY
THALLIUM	2.01	UJ	Y
VANADIUM	61.5	J	Y
ZINC	404	J	Y

PROJ_NO: 00275

SDG: MID-5 MEDIA: SOIL DATA FRACTION: M

nsample	SD-23-SS
samp_date	10/21/2005
lab_id	WV5604-010
qc_type	NM
units	MG/KG
Pct_Solids	23.1
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANTIMONY	1.25	UJ	Y
ARSENIC	11.1	J	Y
BARIUM	52.0	J	Y
BERYLLIUM	2.3	J	Y
CADMIUM	5.3	J	Y
CHROMIUM	154	J	Y
COBALT	19.9	J	Y
COPPER	127	J	Y
LEAD	119	J	Y
MERCURY	0.40	J	DY
MOLYBDENUM	1.4	J	Y
NICKEL	41.3	J	Y
SELENIUM	1.09	UJ	CY
SILVER	1.9	J	CY
THALLIUM	1.87	UJ	Y
VANADIUM	55.9	J	Y
ZINC	362	J	Y

PROJ_NO: 00275

SDG: MID-5 MEDIA: SOIL DATA FRACTION: MISC

nsample	SD-13-01	nsample	SD-13-02	nsample	SD-13-SS
samp_date	10/20/2005	samp_date	10/20/2005	samp_date	10/20/2005
lab_id	WV5583-2	lab_id	WV5583-3	lab_id	WV5583-1
qc_type	NM	qc_type	NM	qc_type	NM
Pct_Solids	32.3	Pct_Solids	41.2	Pct_Solids	25.6
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
HEXAVALENT CHROMIUM	MG/KG	1.5	UL	D
TOTAL SOLIDS	%	32		

Parameter	units	Result	Val Qual	Qual Code
HEXAVALENT CHROMIUM	MG/KG	1.2	UL	D
TOTAL SOLIDS	%	41		

Parameter	units	Result	Val Qual	Qual Code
HEXAVALENT CHROMIUM	MG/KG	8.2	J	DY
TOTAL SOLIDS	%	26		

PROJ_NO: 00275

SDG: MID-5 MEDIA: SOIL DATA FRACTION: MISC

nsample	SD-14-01	nsample	SD-14-02	nsample	SD-14-SS
samp_date	10/20/2005	samp_date	10/20/2005	samp_date	10/20/2005
lab_id	WV5583-5	lab_id	WV5583-6	lab_id	WV5583-4
qc_type	NM	qc_type	NM	qc_type	NM
Pct_Solids	46.3	Pct_Solids	48.4	Pct_Solids	77.2
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
HEXAVALENT CHROMIUM	MG/KG	1.0	UL	D
TOTAL SOLIDS	%	46		

Parameter	units	Result	Val Qual	Qual Code
HEXAVALENT CHROMIUM	MG/KG	1.0	UL	D
TOTAL SOLIDS	%	48		

Parameter	units	Result	Val Qual	Qual Code
HEXAVALENT CHROMIUM	MG/KG	0.53	J	DP
TOTAL SOLIDS	%	77		

PROJ_NO: 00275

SDG: MID-5 MEDIA: SOIL DATA FRACTION: MISC

nsample	SD-15-SS	nsample	SD-16-01	nsample	SD-16-02
samp_date	10/21/2005	samp_date	10/20/2005	samp_date	10/20/2005
lab_id	WV5604-1	lab_id	WV5583-8	lab_id	WV5583-9
qc_type	NM	qc_type	NM	qc_type	NM
Pct_Solids	24.9	Pct_Solids	31.7	Pct_Solids	31.8
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
HEXAVALENT CHROMIUM	MG/KG	2.0	UJ	DY
TOTAL SOLIDS	%	25		

Parameter	units	Result	Val Qual	Qual Code
HEXAVALENT CHROMIUM	MG/KG	1.6	UL	D
TOTAL SOLIDS	%	32		

Parameter	units	Result	Val Qual	Qual Code
HEXAVALENT CHROMIUM	MG/KG	1.6	UL	D
TOTAL SOLIDS	%	32		

PROJ_NO: 00275

SDG: MID-5 MEDIA: SOIL DATA FRACTION: MISC

nsample	SD-16-SS
samp_date	10/20/2005
lab_id	WV5583-7
qc_type	NM
Pct_Solids	24.0
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
HEXAVALENT CHROMIUM	MG/KG	2.1	UJ	DY
TOTAL SOLIDS	%	24		

nsample	SD-17-SS
samp_date	10/21/2005
lab_id	WV5604-2
qc_type	NM
Pct_Solids	24.8
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
HEXAVALENT CHROMIUM	MG/KG	2.0	UJ	DY
TOTAL ORGANIC CARBON	UG/KG	47000	J	Y
TOTAL SOLIDS	%	25		

nsample	SD-18-SS
samp_date	10/21/2005
lab_id	WV5604-3
qc_type	NM
Pct_Solids	21.8
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
HEXAVALENT CHROMIUM	MG/KG	2.3	UJ	DY
TOTAL SOLIDS	%	22		

PROJ_NO: 00275

SDG: MID-5 MEDIA: SOIL DATA FRACTION: MISC

nsample	SD-19-01	nsample	SD-19-02	nsample	SD-19-SS
samp_date	10/21/2005	samp_date	10/21/2005	samp_date	10/21/2005
lab_id	WV5604-5	lab_id	WV5604-6	lab_id	WV5604-4
qc_type	NM	qc_type	NM	qc_type	NM
Pct_Solids	31.7	Pct_Solids	66.8	Pct_Solids	29.8
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
HEXAVALENT CHROMIUM	MG/KG	1.6	UL	D
TOTAL ORGANIC CARBON	UG/KG	33000		
TOTAL SOLIDS	%	32		

Parameter	units	Result	Val Qual	Qual Code
HEXAVALENT CHROMIUM	MG/KG	0.75	UL	D
TOTAL ORGANIC CARBON	UG/KG	6800		
TOTAL SOLIDS	%	67		

Parameter	units	Result	Val Qual	Qual Code
HEXAVALENT CHROMIUM	MG/KG	1.6	UJ	DY
TOTAL ORGANIC CARBON	UG/KG	42000	J	Y
TOTAL SOLIDS	%	30		

PROJ_NO: 00275

SDG: MID-5 MEDIA: SOIL DATA FRACTION: MISC

nsample	SD-20-SS	nsample	SD-21-SS	nsample	SD-22-SS
samp_date	10/21/2005	samp_date	10/21/2005	samp_date	10/21/2005
lab_id	WV5604-7	lab_id	WV5604-8	lab_id	WV5604-9
qc_type	NM	qc_type	NM	qc_type	NM
Pct_Solids	22.1	Pct_Solids	25.2	Pct_Solids	22.9
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
HEXAVALENT CHROMIUM	MG/KG	2.2	UJ	DY
TOTAL SOLIDS	%	22		

Parameter	units	Result	Val Qual	Qual Code
HEXAVALENT CHROMIUM	MG/KG	2.0	UJ	DY
TOTAL SOLIDS	%	25		

Parameter	units	Result	Val Qual	Qual Code
HEXAVALENT CHROMIUM	MG/KG	2.2	UJ	DY
TOTAL SOLIDS	%	23		

PROJ_NO: 00275

SDG: MID-5 MEDIA: SOIL DATA FRACTION: MISC

nsample	SD-23-SS
samp_date	10/21/2005
lab_id	WV5604-10
qc_type	NM
Pct_Solids	23.1
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
HEXAVALENT CHROMIUM	MG/KG	2.2	UJ	DY
TOTAL ORGANIC CARBON	UG/KG	55000	J	Y
TOTAL SOLIDS	%	23		

Data Qualifier Key:

J - Positive result is considered estimated, "J", as a result of technical noncompliances.

L - Positive result is considered biased low, "L", as a result of technical noncompliances.

U - Value is a nondetect as reported by the laboratory.

UJ - Nondetected result is considered estimated, "UJ", as a result of technical noncompliances.

UL - Nondetected result is considered biased low, "UL", as a result of technical noncompliances.

APPENDIX B
RESULTS AS REPORTED BY THE LABORATORY

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SD-13-01

Matrix: SOIL **SDG Name:** MID-5

Percent Solids: 32.3 **Lab Sample ID:** WV5583-002

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-36-0	ANTIMONY, TOTAL	2.0			P	1	1.8	0.91
7440-38-2	ARSENIC, TOTAL	6.9			P	1	1.8	0.76
7440-39-3	BARIUM, TOTAL	68.9			P	1	1.1	0.06
7440-41-7	BERYLLIUM, TOTAL	1.8			P	1	1.1	0.08
7440-43-9	CADMIUM, TOTAL	13.6			P	1	2.2	0.09
7440-47-3	CHROMIUM, TOTAL	227			P	1	3.3	0.22
7440-48-4	COBALT, TOTAL	14.5			P	1	6.6	0.25
7440-50-8	COPPER, TOTAL	107			P	1	5.5	0.38
7439-92-1	LEAD, TOTAL	242			P	1	1.1	0.37
7439-97-6	MERCURY, TOTAL	0.73			CV	1	0.077	0.01
7439-98-7	MOLYBDENUM, TOTAL	1.9	B		P	1	22	0.44
7440-02-0	NICKEL, TOTAL	49.6			P	1	8.8	0.34
7782-49-2	SELENIUM, TOTAL	0.79	U		P	1	2.2	0.79
7440-22-4	SILVER, TOTAL	16.2			P	1	3.3	0.23
7440-28-0	THALLIUM, TOTAL	1.36	U		P	1	3.3	1.36
7440-62-2	VANADIUM, TOTAL	82.2			P	1	5.5	0.30
7440-66-6	ZINC, TOTAL	423			P	1	5.5	0.13

Color Before: N/A Texture: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SD-13-02

Matrix: SOIL **SDG Name:** MID-5

Percent Solids: 41.2 **Lab Sample ID:** WV5583-003

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-36-0	ANTIMONY, TOTAL	3.4			P	1	1.1	0.59
7440-38-2	ARSENIC, TOTAL	5.6			P	1	1.1	0.49
7440-39-3	BARIUM, TOTAL	112			P	1	0.71	0.04
7440-41-7	BERYLLIUM, TOTAL	2.0			P	1	0.71	0.05
7440-43-9	CADMIUM, TOTAL	21.8			P	1	1.4	0.06
7440-47-3	CHROMIUM, TOTAL	499			P	1	2.1	0.14
7440-48-4	COBALT, TOTAL	13.9			P	1	4.3	0.16
7440-50-8	COPPER, TOTAL	67.4			P	1	3.6	0.25
7439-92-1	LEAD, TOTAL	169			P	1	0.71	0.24
7439-97-6	MERCURY, TOTAL	1.9			CV	1	0.075	0.01
7439-98-7	MOLYBDENUM, TOTAL	2.7	B		P	1	14	0.29
7440-02-0	NICKEL, TOTAL	34.2			P	1	5.7	0.22
7782-49-2	SELENIUM, TOTAL	0.57	B		P	1	1.4	0.51
7440-22-4	SILVER, TOTAL	28.6			P	1	2.1	0.15
7440-28-0	THALLIUM, TOTAL	1.3	B		P	1	2.1	0.88
7440-62-2	VANADIUM, TOTAL	51.7			P	1	3.6	0.19
7440-66-6	ZINC, TOTAL	452			P	1	3.6	0.08

Color Before: N/A Texture: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SD-13-SS

Matrix: SOIL **SDG Name:** MID-5

Percent Solids: 25.6 **Lab Sample ID:** WV5583-001

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-36-0	ANTIMONY, TOTAL	1.09	U		P	1	2.1	1.09
7440-38-2	ARSENIC, TOTAL	9.0			P	1	2.1	0.92
7440-39-3	BARIUM, TOTAL	49.5			P	1	1.3	0.07
7440-41-7	BERYLLIUM, TOTAL	2.2			P	1	1.3	0.09
7440-43-9	CADMIUM, TOTAL	5.9			P	1	2.6	0.11
7440-47-3	CHROMIUM, TOTAL	124			P	1	4.0	0.27
7440-48-4	COBALT, TOTAL	18.8			P	1	8.0	0.30
7440-50-8	COPPER, TOTAL	116			P	1	6.6	0.46
7439-92-1	LEAD, TOTAL	127			P	1	1.3	0.44
7439-97-6	MERCURY, TOTAL	0.48			CV	1	0.099	0.01
7439-98-7	MOLYBDENUM, TOTAL	2.0	B		P	1	26	0.53
7440-02-0	NICKEL, TOTAL	42.5			P	1	11	0.41
7782-49-2	SELENIUM, TOTAL	0.95	U		P	1	2.6	0.95
7440-22-4	SILVER, TOTAL	2.3	B		P	1	4.0	0.28
7440-28-0	THALLIUM, TOTAL	1.63	U		P	1	4.0	1.63
7440-62-2	VANADIUM, TOTAL	55.0			P	1	6.6	0.36
7440-66-6	ZINC, TOTAL	464			P	1	6.6	0.16

Color Before: N/A Texture: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SD-14-01

Matrix: SOIL **SDG Name:** MID-5

Percent Solids: 46.3 **Lab Sample ID:** WV5583-005

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-36-0	ANTIMONY, TOTAL	0.72	U		P	1	1.4	0.72
7440-38-2	ARSENIC, TOTAL	3.9			P	1	1.4	0.61
7440-39-3	BARIUM, TOTAL	27.9			P	1	0.88	0.05
7440-41-7	BERYLLIUM, TOTAL	1.9			P	1	0.88	0.06
7440-43-9	CADMIUM, TOTAL	0.07	B		P	1	1.8	0.07
7440-47-3	CHROMIUM, TOTAL	28.0			P	1	2.6	0.18
7440-48-4	COBALT, TOTAL	11.3			P	1	5.3	0.20
7440-50-8	COPPER, TOTAL	16.0			P	1	4.4	0.31
7439-92-1	LEAD, TOTAL	8.9			P	1	0.88	0.29
7439-97-6	MERCURY, TOTAL	0.06	B		CV	1	0.064	0.01
7439-98-7	MOLYBDENUM, TOTAL	0.88	B		P	1	18	0.35
7440-02-0	NICKEL, TOTAL	19.1			P	1	7.0	0.27
7782-49-2	SELENIUM, TOTAL	0.63	U		P	1	1.8	0.63
7440-22-4	SILVER, TOTAL	0.49	B		P	1	2.6	0.18
7440-28-0	THALLIUM, TOTAL	1.08	U		P	1	2.6	1.08
7440-62-2	VANADIUM, TOTAL	27.8			P	1	4.4	0.24
7440-66-6	ZINC, TOTAL	54.0			P	1	4.4	0.10

Color Before: N/A Texture: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SD-14-02

Matrix: SOIL **SDG Name:** MID-5

Percent Solids: 48.4 **Lab Sample ID:** WV5583-006

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-36-0	ANTIMONY, TOTAL	0.65	U		P	1	1.3	0.65
7440-38-2	ARSENIC, TOTAL	3.8			P	1	1.3	0.54
7440-39-3	BARIUM, TOTAL	26.3			P	1	0.79	0.04
7440-41-7	BERYLLIUM, TOTAL	1.7			P	1	0.79	0.06
7440-43-9	CADMIUM, TOTAL	0.52	B		P	1	1.6	0.06
7440-47-3	CHROMIUM, TOTAL	35.6			P	1	2.4	0.16
7440-48-4	COBALT, TOTAL	9.5			P	1	4.7	0.18
7440-50-8	COPPER, TOTAL	16.0			P	1	3.9	0.27
7439-92-1	LEAD, TOTAL	11.0			P	1	0.79	0.26
7439-97-6	MERCURY, TOTAL	0.04	B		CV	1	0.061	0.01
7439-98-7	MOLYBDENUM, TOTAL	1.2	B		P	1	16	0.32
7440-02-0	NICKEL, TOTAL	17.4			P	1	6.3	0.24
7782-49-2	SELENIUM, TOTAL	0.57	U		P	1	1.6	0.57
7440-22-4	SILVER, TOTAL	2.0	B		P	1	2.4	0.16
7440-28-0	THALLIUM, TOTAL	0.97	U		P	1	2.4	0.97
7440-62-2	VANADIUM, TOTAL	26.2			P	1	3.9	0.21
7440-66-6	ZINC, TOTAL	64.5			P	1	3.9	0.09

Color Before: N/A Texture: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SD-14-SS

Matrix: SOIL **SDG Name:** MID-5

Percent Solids: 77.2 **Lab Sample ID:** WV5583-004

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-36-0	ANTIMONY, TOTAL	0.96			P	1	0.83	0.43
7440-38-2	ARSENIC, TOTAL	4.0			P	1	0.83	0.36
7440-39-3	BARIUM, TOTAL	60.6			P	1	0.52	0.03
7440-41-7	BERYLLIUM, TOTAL	0.46	B		P	1	0.52	0.04
7440-43-9	CADMIUM, TOTAL	3.5			P	1	1.0	0.04
7440-47-3	CHROMIUM, TOTAL	75.0			P	1	1.6	0.10
7440-48-4	COBALT, TOTAL	4.4			P	1	3.1	0.12
7440-50-8	COPPER, TOTAL	19.1			P	1	2.6	0.18
7439-92-1	LEAD, TOTAL	42.2			P	1	0.52	0.17
7439-97-6	MERCURY, TOTAL	0.34			CV	1	0.034	0.01
7439-98-7	MOLYBDENUM, TOTAL	1.3	B		P	1	10	0.21
7440-02-0	NICKEL, TOTAL	9.9			P	1	4.1	0.16
7782-49-2	SELENIUM, TOTAL	0.37	U		P	1	1.0	0.37
7440-22-4	SILVER, TOTAL	14.9			P	1	1.6	0.11
7440-28-0	THALLIUM, TOTAL	0.64	U		P	1	1.6	0.64
7440-62-2	VANADIUM, TOTAL	14.9			P	1	2.6	0.14
7440-66-6	ZINC, TOTAL	132			P	1	2.6	0.06

Color Before: N/A Texture: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SD-15-SS

Matrix: SOIL **SDG Name:** MID-5

Percent Solids: 24.9 **Lab Sample ID:** WV5604-001

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-36-0	ANTIMONY, TOTAL	1.8	B		P	1	2.5	1.28
7440-38-2	ARSENIC, TOTAL	10.5			P	1	2.5	1.07
7440-39-3	BARIUM, TOTAL	57.4			P	1	1.6	0.08
7440-41-7	BERYLLIUM, TOTAL	2.2			P	1	1.6	0.11
7440-43-9	CADMIUM, TOTAL	4.7			P	1	3.1	0.12
7440-47-3	CHROMIUM, TOTAL	120			P	1	4.7	0.31
7440-48-4	COBALT, TOTAL	17.8			P	1	9.3	0.35
7440-50-8	COPPER, TOTAL	124			P	1	7.8	0.54
7439-92-1	LEAD, TOTAL	123			P	1	1.6	0.51
7439-97-6	MERCURY, TOTAL	0.44		N	CV	1	0.12	0.01
7439-98-7	MOLYBDENUM, TOTAL	2.3	B		P	1	31	0.62
7440-02-0	NICKEL, TOTAL	39.6			P	1	12	0.48
7782-49-2	SELENIUM, TOTAL	1.12	U		P	1	3.1	1.12
7440-22-4	SILVER, TOTAL	1.8	B		P	1	4.7	0.32
7440-28-0	THALLIUM, TOTAL	1.91	U		P	1	4.7	1.91
7440-62-2	VANADIUM, TOTAL	57.8			P	1	7.8	0.42
7440-66-6	ZINC, TOTAL	405			P	1	7.8	0.18

Color Before: N/A Texture: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SD-16-01

Matrix: SOIL **SDG Name:** MID-5

Percent Solids: 31.7 **Lab Sample ID:** WV5583-008

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-36-0	ANTIMONY, TOTAL	1.5	B		P	1	2.1	1.08
7440-38-2	ARSENIC, TOTAL	6.6			P	1	2.1	0.91
7440-39-3	BARIUM, TOTAL	71.9			P	1	1.3	0.07
7440-41-7	BERYLLIUM, TOTAL	2.2			P	1	1.3	0.09
7440-43-9	CADMIUM, TOTAL	26.8			P	1	2.6	0.11
7440-47-3	CHROMIUM, TOTAL	443			P	1	3.9	0.27
7440-48-4	COBALT, TOTAL	17.8			P	1	7.9	0.29
7440-50-8	COPPER, TOTAL	109			P	1	6.6	0.46
7439-92-1	LEAD, TOTAL	251			P	1	1.3	0.43
7439-97-6	MERCURY, TOTAL	3.5			CV	1	0.10	0.01
7439-98-7	MOLYBDENUM, TOTAL	1.8	B		P	1	26	0.53
7440-02-0	NICKEL, TOTAL	69.1			P	1	10	0.40
7782-49-2	SELENIUM, TOTAL	0.94	U		P	1	2.6	0.94
7440-22-4	SILVER, TOTAL	27.3			P	1	3.9	0.27
7440-28-0	THALLIUM, TOTAL	2.1	B		P	1	3.9	1.61
7440-62-2	VANADIUM, TOTAL	110			P	1	6.6	0.36
7440-66-6	ZINC, TOTAL	484			P	1	6.6	0.16

Color Before: N/A Texture: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SD-16-02

Matrix: SOIL **SDG Name:** MID-5

Percent Solids: 31.8 **Lab Sample ID:** WV5583-009

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-36-0	ANTIMONY, TOTAL	2.2	B		P	1	2.3	1.20
7440-38-2	ARSENIC, TOTAL	2.8			P	1	2.3	1.00
7440-39-3	BARIUM, TOTAL	104			P	1	1.4	0.08
7440-41-7	BERYLLIUM, TOTAL	2.6			P	1	1.4	0.10
7440-43-9	CADMIUM, TOTAL	56.4			P	1	2.9	0.12
7440-47-3	CHROMIUM, TOTAL	1080			P	1	4.4	0.29
7440-48-4	COBALT, TOTAL	18.2			P	1	8.7	0.33
7440-50-8	COPPER, TOTAL	95.2			P	1	7.3	0.51
7439-92-1	LEAD, TOTAL	219			P	1	1.4	0.48
7439-97-6	MERCURY, TOTAL	6.1			CV	2	0.18	0.02
7439-98-7	MOLYBDENUM, TOTAL	1.9	B		P	1	29	0.58
7440-02-0	NICKEL, TOTAL	52.6			P	1	12	0.45
7782-49-2	SELENIUM, TOTAL	1.04	U		P	1	2.9	1.04
7440-22-4	SILVER, TOTAL	24.7			P	1	4.4	0.30
7440-28-0	THALLIUM, TOTAL	1.78	U		P	1	4.4	1.78
7440-62-2	VANADIUM, TOTAL	78.3			P	1	7.3	0.40
7440-66-6	ZINC, TOTAL	612			P	1	7.3	0.17

Color Before: N/A Texture: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SD-16-SS

Matrix: SOIL **SDG Name:** MID-5

Percent Solids: 24.0 **Lab Sample ID:** WV5583-007

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-36-0	ANTIMONY, TOTAL	1.33	U		P	1	2.6	1.33
7440-38-2	ARSENIC, TOTAL	9.6			P	1	2.6	1.11
7440-39-3	BARIUM, TOTAL	45.2			P	1	1.6	0.09
7440-41-7	BERYLLIUM, TOTAL	2.2			P	1	1.6	0.11
7440-43-9	CADMIUM, TOTAL	5.1			P	1	3.2	0.13
7440-47-3	CHROMIUM, TOTAL	127			P	1	4.8	0.33
7440-48-4	COBALT, TOTAL	17.9			P	1	9.7	0.36
7440-50-8	COPPER, TOTAL	116			P	1	8.1	0.56
7439-92-1	LEAD, TOTAL	109			P	1	1.6	0.53
7439-97-6	MERCURY, TOTAL	0.40			CV	1	0.13	0.01
7439-98-7	MOLYBDENUM, TOTAL	1.2	B		P	1	32	0.65
7440-02-0	NICKEL, TOTAL	39.3			P	1	13	0.49
7782-49-2	SELENIUM, TOTAL	1.16	U		P	1	3.2	1.16
7440-22-4	SILVER, TOTAL	1.9	B		P	1	4.8	0.34
7440-28-0	THALLIUM, TOTAL	2.1	B		P	1	4.8	1.98
7440-62-2	VANADIUM, TOTAL	52.2			P	1	8.1	0.44
7440-66-6	ZINC, TOTAL	373			P	1	8.1	0.19

Color Before: N/A Texture: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SD-17-SS

Matrix: SOIL **SDG Name:** MID-5

Percent Solids: 24.8 **Lab Sample ID:** WV5604-002

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-36-0	ANTIMONY, TOTAL	1.5	B		P	1	2.9	1.50
7440-38-2	ARSENIC, TOTAL	11.9			P	1	2.9	1.26
7440-39-3	BARIUM, TOTAL	52.8			P	1	1.8	0.10
7440-41-7	BERYLLIUM, TOTAL	2.5			P	1	1.8	0.13
7440-43-9	CADMIUM, TOTAL	4.6			P	1	3.6	0.15
7440-47-3	CHROMIUM, TOTAL	125			P	1	5.4	0.37
7440-48-4	COBALT, TOTAL	19.3			P	1	11	0.41
7440-50-8	COPPER, TOTAL	127			P	1	9.1	0.63
7439-92-1	LEAD, TOTAL	114			P	1	1.8	0.60
7439-97-6	MERCURY, TOTAL	0.39		N	CV	1	0.12	0.01
7439-98-7	MOLYBDENUM, TOTAL	1.6	B		P	1	36	0.73
7440-02-0	NICKEL, TOTAL	42.4			P	1	14	0.56
7782-49-2	SELENIUM, TOTAL	2.3	B		P	1	3.6	1.31
7440-22-4	SILVER, TOTAL	1.7	B		P	1	5.4	0.38
7440-28-0	THALLIUM, TOTAL	2.23	U		P	1	5.4	2.23
7440-62-2	VANADIUM, TOTAL	61.4			P	1	9.1	0.49
7440-66-6	ZINC, TOTAL	384			P	1	9.1	0.21

Color Before: N/A Texture: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SD-18-SS

Matrix: SOIL **SDG Name:** MID-5

Percent Solids: 21.8 **Lab Sample ID:** WV5604-003

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-36-0	ANTIMONY, TOTAL	1.7	B		P	1	2.8	1.41
7440-38-2	ARSENIC, TOTAL	11.3			P	1	2.8	1.19
7440-39-3	BARIUM, TOTAL	51.9			P	1	1.7	0.09
7440-41-7	BERYLLIUM, TOTAL	2.4			P	1	1.7	0.12
7440-43-9	CADMIUM, TOTAL	4.6			P	1	3.4	0.14
7440-47-3	CHROMIUM, TOTAL	132			P	1	5.2	0.35
7440-48-4	COBALT, TOTAL	19.6			P	1	10	0.39
7440-50-8	COPPER, TOTAL	131			P	1	8.6	0.60
7439-92-1	LEAD, TOTAL	115			P	1	1.7	0.57
7439-97-6	MERCURY, TOTAL	0.40		N	CV	1	0.12	0.01
7439-98-7	MOLYBDENUM, TOTAL	1.2	B		P	1	34	0.69
7440-02-0	NICKEL, TOTAL	40.9			P	1	14	0.53
7782-49-2	SELENIUM, TOTAL	1.24	U		P	1	3.4	1.24
7440-22-4	SILVER, TOTAL	1.5	B		P	1	5.2	0.36
7440-28-0	THALLIUM, TOTAL	2.11	U		P	1	5.2	2.11
7440-62-2	VANADIUM, TOTAL	57.4			P	1	8.6	0.47
7440-66-6	ZINC, TOTAL	372			P	1	8.6	0.20

Color Before: N/A Texture: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SD-19-01

Matrix: SOIL **SDG Name:** MID-5

Percent Solids: 31.7 **Lab Sample ID:** WV5604-005

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-36-0	ANTIMONY, TOTAL	2.0	B		P	1	2.0	1.03
7440-38-2	ARSENIC, TOTAL	3.0			P	1	2.0	0.86
7440-39-3	BARIUM, TOTAL	85.1			P	1	1.2	0.07
7440-41-7	BERYLLIUM, TOTAL	1.8			P	1	1.2	0.09
7440-43-9	CADMIUM, TOTAL	34.4			P	1	2.5	0.10
7440-47-3	CHROMIUM, TOTAL	756			P	1	3.8	0.25
7440-48-4	COBALT, TOTAL	13.2			P	1	7.5	0.28
7440-50-8	COPPER, TOTAL	57.6			P	1	6.2	0.44
7439-92-1	LEAD, TOTAL	130			P	1	1.2	0.41
7439-97-6	MERCURY, TOTAL	1.0		N	CV	1	0.090	0.01
7439-98-7	MOLYBDENUM, TOTAL	1.0	B		P	1	25	0.50
7440-02-0	NICKEL, TOTAL	35.1			P	1	10	0.38
7782-49-2	SELENIUM, TOTAL	0.90	U		P	1	2.5	0.90
7440-22-4	SILVER, TOTAL	11.5			P	1	3.8	0.26
7440-28-0	THALLIUM, TOTAL	1.53	U		P	1	3.8	1.53
7440-62-2	VANADIUM, TOTAL	49.2			P	1	6.2	0.34
7440-66-6	ZINC, TOTAL	458			P	1	6.2	0.15

Color Before: N/A Texture: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SD-19-02

Matrix: SOIL **SDG Name:** MID-5

Percent Solids: 66.8 **Lab Sample ID:** WV5604-006

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-36-0	ANTIMONY, TOTAL	0.46	U		P	1	0.89	0.46
7440-38-2	ARSENIC, TOTAL	3.0			P	1	0.89	0.39
7440-39-3	BARIUM, TOTAL	28.2			P	1	0.56	0.03
7440-41-7	BERYLLIUM, TOTAL	1.1			P	1	0.56	0.04
7440-43-9	CADMIUM, TOTAL	2.7			P	1	1.1	0.04
7440-47-3	CHROMIUM, TOTAL	79.0			P	1	1.7	0.11
7440-48-4	COBALT, TOTAL	6.4			P	1	3.3	0.13
7440-50-8	COPPER, TOTAL	15.2			P	1	2.8	0.19
7439-92-1	LEAD, TOTAL	37.0			P	1	0.56	0.18
7439-97-6	MERCURY, TOTAL	0.17		N	CV	1	0.045	0.01
7439-98-7	MOLYBDENUM, TOTAL	0.79	B		P	1	11	0.22
7440-02-0	NICKEL, TOTAL	14.6			P	1	4.5	0.17
7782-49-2	SELENIUM, TOTAL	0.40	U		P	1	1.1	0.40
7440-22-4	SILVER, TOTAL	3.5			P	1	1.7	0.12
7440-28-0	THALLIUM, TOTAL	0.86	B		P	1	1.7	0.68
7440-62-2	VANADIUM, TOTAL	24.2			P	1	2.8	0.15
7440-66-6	ZINC, TOTAL	76.0			P	1	2.8	0.07

Color Before: N/A Texture: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SD-19-SS

Matrix: SOIL **SDG Name:** MID-5

Percent Solids: 29.8 **Lab Sample ID:** WV5604-004

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-36-0	ANTIMONY, TOTAL	1.07	U		P	1	2.1	1.07
7440-38-2	ARSENIC, TOTAL	8.2			P	1	2.1	0.90
7440-39-3	BARIUM, TOTAL	45.8			P	1	1.3	0.07
7440-41-7	BERYLLIUM, TOTAL	2.2			P	1	1.3	0.09
7440-43-9	CADMIUM, TOTAL	7.2			P	1	2.6	0.10
7440-47-3	CHROMIUM, TOTAL	135			P	1	3.9	0.26
7440-48-4	COBALT, TOTAL	19.3			P	1	7.8	0.29
7440-50-8	COPPER, TOTAL	97.3			P	1	6.5	0.45
7439-92-1	LEAD, TOTAL	125			P	1	1.3	0.43
7439-97-6	MERCURY, TOTAL	0.43		N	CV	1	0.094	0.01
7439-98-7	MOLYBDENUM, TOTAL	1.3	B		P	1	26	0.52
7440-02-0	NICKEL, TOTAL	42.4			P	1	10	0.40
7782-49-2	SELENIUM, TOTAL	0.93	U		P	1	2.6	0.93
7440-22-4	SILVER, TOTAL	2.3	B		P	1	3.9	0.27
7440-28-0	THALLIUM, TOTAL	1.59	U		P	1	3.9	1.59
7440-62-2	VANADIUM, TOTAL	56.3			P	1	6.5	0.35
7440-66-6	ZINC, TOTAL	427			P	1	6.5	0.15

Color Before: N/A Texture: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SD-20-SS

Matrix: SOIL **SDG Name:** MID-5

Percent Solids: 22.1 **Lab Sample ID:** WV5604-007

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-36-0	ANTIMONY, TOTAL	1.4	B		P	1	2.5	1.30
7440-38-2	ARSENIC, TOTAL	10.2			P	1	2.5	1.09
7440-39-3	BARIUM, TOTAL	52.0			P	1	1.6	0.09
7440-41-7	BERYLLIUM, TOTAL	2.4			P	1	1.6	0.11
7440-43-9	CADMIUM, TOTAL	5.4			P	1	3.2	0.13
7440-47-3	CHROMIUM, TOTAL	140			P	1	4.7	0.32
7440-48-4	COBALT, TOTAL	19.6			P	1	9.5	0.35
7440-50-8	COPPER, TOTAL	126			P	1	7.9	0.55
7439-92-1	LEAD, TOTAL	115			P	1	1.6	0.52
7439-97-6	MERCURY, TOTAL	0.46		N	CV	1	0.12	0.01
7439-98-7	MOLYBDENUM, TOTAL	1.3	B		P	1	32	0.63
7440-02-0	NICKEL, TOTAL	41.0			P	1	13	0.48
7782-49-2	SELENIUM, TOTAL	1.13	U		P	1	3.2	1.13
7440-22-4	SILVER, TOTAL	1.7	B		P	1	4.7	0.33
7440-28-0	THALLIUM, TOTAL	1.94	U		P	1	4.7	1.94
7440-62-2	VANADIUM, TOTAL	55.6			P	1	7.9	0.43
7440-66-6	ZINC, TOTAL	386			P	1	7.9	0.19

Color Before: N/A Texture: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SD-21-SS

Matrix: SOIL **SDG Name:** MID-5

Percent Solids: 25.2 **Lab Sample ID:** WV5604-008

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-36-0	ANTIMONY, TOTAL	1.35	U		P	1	2.6	1.35
7440-38-2	ARSENIC, TOTAL	9.4			P	1	2.6	1.13
7440-39-3	BARIUM, TOTAL	38.2			P	1	1.6	0.09
7440-41-7	BERYLLIUM, TOTAL	1.9			P	1	1.6	0.11
7440-43-9	CADMIUM, TOTAL	3.3	B		P	1	3.3	0.13
7440-47-3	CHROMIUM, TOTAL	98.4			P	1	4.9	0.33
7440-48-4	COBALT, TOTAL	15.2			P	1	9.8	0.37
7440-50-8	COPPER, TOTAL	104			P	1	8.2	0.57
7439-92-1	LEAD, TOTAL	86.0			P	1	1.6	0.54
7439-97-6	MERCURY, TOTAL	0.33		N	CV	1	0.10	0.01
7439-98-7	MOLYBDENUM, TOTAL	1.0	B		P	1	33	0.65
7440-02-0	NICKEL, TOTAL	31.5			P	1	13	0.50
7782-49-2	SELENIUM, TOTAL	1.2	B		P	1	3.3	1.18
7440-22-4	SILVER, TOTAL	0.97	B		P	1	4.9	0.34
7440-28-0	THALLIUM, TOTAL	2.01	U		P	1	4.9	2.01
7440-62-2	VANADIUM, TOTAL	44.0			P	1	8.2	0.45
7440-66-6	ZINC, TOTAL	281			P	1	8.2	0.19

Color Before: N/A Texture: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SD-22-SS

Matrix: SOIL **SDG Name:** MID-5

Percent Solids: 22.9 **Lab Sample ID:** WV5604-009

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-36-0	ANTIMONY, TOTAL	1.35	U		P	1	2.6	1.35
7440-38-2	ARSENIC, TOTAL	11.2			P	1	2.6	1.13
7440-39-3	BARIUM, TOTAL	61.1			P	1	1.6	0.09
7440-41-7	BERYLLIUM, TOTAL	2.5			P	1	1.6	0.11
7440-43-9	CADMIUM, TOTAL	5.2			P	1	3.3	0.13
7440-47-3	CHROMIUM, TOTAL	156			P	1	4.9	0.33
7440-48-4	COBALT, TOTAL	22.2			P	1	9.8	0.37
7440-50-8	COPPER, TOTAL	151			P	1	8.2	0.57
7439-92-1	LEAD, TOTAL	127			P	1	1.6	0.54
7439-97-6	MERCURY, TOTAL	0.40		N	CV	1	0.12	0.01
7439-98-7	MOLYBDENUM, TOTAL	1.3	B		P	1	33	0.66
7440-02-0	NICKEL, TOTAL	46.1			P	1	13	0.50
7782-49-2	SELENIUM, TOTAL	1.18	U		P	1	3.3	1.18
7440-22-4	SILVER, TOTAL	1.8	B		P	1	4.9	0.34
7440-28-0	THALLIUM, TOTAL	2.01	U		P	1	4.9	2.01
7440-62-2	VANADIUM, TOTAL	61.5			P	1	8.2	0.45
7440-66-6	ZINC, TOTAL	404			P	1	8.2	0.19

Color Before: N/A Texture: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SD-23-SS

Matrix: SOIL **SDG Name:** MID-5

Percent Solids: 23.1 **Lab Sample ID:** WV5604-010

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-36-0	ANTIMONY, TOTAL	1.25	U		P	1	2.4	1.25
7440-38-2	ARSENIC, TOTAL	11.1			P	1	2.4	1.05
7440-39-3	BARIUM, TOTAL	52.0			P	1	1.5	0.08
7440-41-7	BERYLLIUM, TOTAL	2.3			P	1	1.5	0.11
7440-43-9	CADMIUM, TOTAL	5.3			P	1	3.0	0.12
7440-47-3	CHROMIUM, TOTAL	154			P	1	4.6	0.31
7440-48-4	COBALT, TOTAL	19.9			P	1	9.1	0.34
7440-50-8	COPPER, TOTAL	127			P	1	7.6	0.53
7439-92-1	LEAD, TOTAL	119			P	1	1.5	0.50
7439-97-6	MERCURY, TOTAL	0.40		N	CV	1	0.13	0.01
7439-98-7	MOLYBDENUM, TOTAL	1.4	B		P	1	30	0.61
7440-02-0	NICKEL, TOTAL	41.3			P	1	12	0.47
7782-49-2	SELENIUM, TOTAL	1.09	U		P	1	3.0	1.09
7440-22-4	SILVER, TOTAL	1.9	B		P	1	4.6	0.32
7440-28-0	THALLIUM, TOTAL	1.87	U		P	1	4.6	1.87
7440-62-2	VANADIUM, TOTAL	55.9			P	1	7.6	0.41
7440-66-6	ZINC, TOTAL	362			P	1	7.6	0.18

Color Before: N/A Texture: N/A

Color After: N/A Clarity After: N/A

Comments:

Katahdin
ANALYTICAL SERVICES

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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: WV5583-2
Report Date: 01-NOV-05
Client PO: 1004810
Project: MIDDLE RIVER
SDG: MID-5

Sample Description	Matrix	Date Sampled	Date Received
SD-13-01	SL	20-OCT-05	21-OCT-05

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Chromium, Hexavalent	U1.5 mg/Kgdrywt	1.5	SW846 7196A	WG22044	25-OCT-05 15:11:00	SW846 3060A	25-OCT-05	MW	
Total Solids	32. %	1	CLP SOW 788	WG21982	25-OCT-05 09:21:00	CLP SOW 788	24-OCT-05	JF	

Katahdin
ANALYTICAL SERVICES

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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: WV5583-3
Report Date: 01-NOV-05
Client PO: 1004810
Project: MIDDLE RIVER
SDG: MID-5

Sample Description	Matrix	Date Sampled	Date Received
SD-13-02	SL	20-OCT-05	21-OCT-05

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Chromium, Hexavalent	U1.2 mg/Kgdrywt	1.2	SW846 7196A	WG22044	25-OCT-05 15:11:00	SW846 3060A	25-OCT-05	MW	
Total Solids	41. %	1	CLP SOW 788	WG21982	25-OCT-05 09:22:00	CLP SOW 788	24-OCT-05	JF	

Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WV5583-1
Report Date: 01-NOV-05
Client PO: 1004810
Project: MIDDLE RIVER
SDG: MID-5

Sample Description	Matrix	Date Sampled	Date Received
SD-13-SS	SL	20-OCT-05	21-OCT-05

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Chromium, Hexavalent	8.2 mg/Kgdrywt	1.9	SW846 7196A	WG22044	25-OCT-05 15:11:00	SW846 3060A	25-OCT-05	MW	
Total Solids	26. %	1	CLP SOW 788	WG21982	25-OCT-05 09:20:00	CLP SOW 788	24-OCT-05	JF	

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Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WV5583-5
Report Date: 01-NOV-05
Client PO: 1004810
Project: MIDDLE RIVER
SDG: MID-5

Sample Description	Matrix	Date Sampled	Date Received
SD-14-01	SL	20-OCT-05	21-OCT-05

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Chromium, Hexavalent	U1.0 mg/Kgdrywt	1	SW846 7196A	WG22044	25-OCT-05 15:11:00	SW846 3060A	25-OCT-05	MW	
Total Solids	46. %	1	CLP SOW 788	WG21982	25-OCT-05 09:24:00	CLP SOW 788	24-OCT-05	JF	

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Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WV5583-6
Report Date: 01-NOV-05
Client PO: 1004810
Project: MIDDLE RIVER
SDG: MID-5

Sample Description	Matrix	Date Sampled	Date Received
SD-14-02	SL	20-OCT-05	21-OCT-05

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Chromium, Hexavalent	U1.0 mg/Kgdrywt	1	SW846 7196A	WG22044	25-OCT-05 15:11:00	SW846 3060A	25-OCT-05	MW	
Total Solids	48. %	1	CLP SOW 788	WG21982	25-OCT-05 09:25:00	CLP SOW 788	24-OCT-05	JF	

Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WV5583-4
Report Date: 01-NOV-05
Client PO: 1004810
Project: MIDDLE RIVER
SDG: MID-5

Sample Description	Matrix	Date Sampled	Date Received
SD-14-SS	SL	20-OCT-05	21-OCT-05

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Chromium, Hexavalent	J0.53 mg/Kgdrywt	.64	SW846 7196A	WG22044	25-OCT-05 15:11:00	SW846 3060A	25-OCT-05	MW	
Total Solids	77. %	1	CLP SOW 788	WG21982	25-OCT-05 09:23:00	CLP SOW 788	24-OCT-05	JF	

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ANALYTICAL SERVICES

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Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WV5604-1
Report Date: 01-NOV-05
Client PO: 1004810
Project: MIDDLE RIVER
SDG: MID-5

Sample Description	Matrix	Date Sampled	Date Received
SD-15-SS	SL	21-OCT-05	22-OCT-05

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Chromium, Hexavalent	U2.0 mg/Kgdrywt	2	SW846 7196A	WG22103	27-OCT-05 09:49:00	SW846 3060A	26-OCT-05	MW	
Total Solids	25. %	1	CLP SOW 788	WG21980	25-OCT-05 09:04:00	CLP SOW 788	24-OCT-05	JF	

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Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WV5583-8
Report Date: 01-NOV-05
Client PO: 1004810
Project: MIDDLE RIVER
SDG: MID-5

Sample Description	Matrix	Date Sampled	Date Received
SD-16-01	SL	20-OCT-05	21-OCT-05

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Chromium, Hexavalent	U1.6 mg/Kgdrywt	1.6	SW846 7196A	WG22044	25-OCT-05 15:11:00	SW846 3060A	25-OCT-05	MW	
Total Solids	32. %	1	CLP SOW 788	WG21982	25-OCT-05 09:28:00	CLP SOW 788	24-OCT-05	JF	

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ANALYTICAL SERVICES

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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: WV5583-9
Report Date: 01-NOV-05
Client PO: 1004810
Project: MIDDLE RIVER
SDG: MID-5

Sample Description	Matrix	Date Sampled	Date Received
SD-16-02	SL	20-OCT-05	21-OCT-05

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Chromium, Hexavalent	U1.6 mg/Kgdrywt	1.6	SW846 7196A	WG22044	25-OCT-05 15:11:00	SW846 3060A	25-OCT-05	MW	
Total Solids	32. %	1	CLP SOW 788	WG21982	25-OCT-05 09:29:00	CLP SOW 788	24-OCT-05	JF	

Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WV5583-7
Report Date: 01-NOV-05
Client PO: 1004810
Project: MIDDLE RIVER
SDG: MID-5

Sample Description	Matrix	Date Sampled	Date Received
SD-16-SS	SL	20-OCT-05	21-OCT-05

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Chromium, Hexavalent	U2.1 mg/Kgdrywt	2.1	SW846 7196A	WG22044	25-OCT-05 15:11:00	SW846 3060A	25-OCT-05	MW	
Total Solids	24. %	1	CLP SOW 788	WG21982	25-OCT-05 09:27:00	CLP SOW 788	24-OCT-05	JF	

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WV5604-2
Report Date: 01-NOV-05
Client PO: 1004810
Project: MIDDLE RIVER
SDG: MID-5

Sample Description	Matrix	Date Sampled	Date Received
SD-17-SS	SL	21-OCT-05	22-OCT-05

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Chromium, Hexavalent	U2.0 mg/Kgdrywt	2	SW846 7196A	WG22103	27-OCT-05 09:49:00	SW846 3060A	26-OCT-05	MW	
TOC In Soil	47000 ug/g	1600	LLOYDKAHN	WG22116	27-OCT-05 15:54:11	N/A	N/A	CP	
Total Solids	25. %	1	CLP SOW 788	WG21980	25-OCT-05 09:05:00	CLP SOW 788	24-OCT-05	JF	

Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WV5604-3
Report Date: 01-NOV-05
Client PO: 1004810
Project: MIDDLE RIVER
SDG: MID-5

Sample Description	Matrix	Date Sampled	Date Received
SD-18-SS	SL	21-OCT-05	22-OCT-05

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Chromium, Hexavalent	U2.3 mg/Kgdrywt	2.3	SW846 7196A	WG22103	27-OCT-05 09:49:00	SW846 3060A	26-OCT-05	MW	
Total Solids	22. %	1	CLP SOW 788	WG21980	25-OCT-05 09:07:00	CLP SOW 788	24-OCT-05	JF	

Katahdin
ANALYTICAL SERVICES

Accredited in accordance with nelac
Cert No E87604

Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WV5604-5
Report Date: 01-NOV-05
Client PO: 1004810
Project: MIDDLE RIVER
SDG: MID-5

Sample Description	Matrix	Date Sampled	Date Received
SD-19-01	SL	21-OCT-05	22-OCT-05

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Chromium, Hexavalent	U1.6 mg/Kgdrywt	1.6	SW846 7196A	WG22103	27-OCT-05 09:49:00	SW846 3060A	26-OCT-05	MW	
TOC In Soil	33000 ug/g	1300	LLOYDKAHN	WG22116	27-OCT-05 16:19:25	N/A	N/A	CP	
Total Solids	32. %	1	CLP SOW 788	WG21980	25-OCT-05 09:09:00	CLP SOW 788	24-OCT-05	JF	

Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WV5604-6
Report Date: 01-NOV-05
Client PO: 1004810
Project: MIDDLE RIVER
SDG: MID-5

Sample Description	Matrix	Date Sampled	Date Received
SD-19-02	SL	21-OCT-05	22-OCT-05

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Chromium, Hexavalent	U0.75 mg/Kgdrywt	.75	SW846 7196A	WG22103	27-OCT-05 09:49:00	SW846 3060A	26-OCT-05	MW	
TOC In Soil	6800 ug/g	600	LLOYDKAHN	WG22229	29-OCT-05 10:57:13	N/A	N/A	CP	
Total Solids	67. %	1	CLP SOW 788	WG21980	25-OCT-05 09:10:00	CLP SOW 788	24-OCT-05	JF	

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WV5604-4
Report Date: 01-NOV-05
Client PO: 1004810
Project: MIDDLE RIVER
SDG: MID-5

Sample Description	Matrix	Date Sampled	Date Received
SD-19-SS	SL	21-OCT-05	22-OCT-05

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Chromium, Hexavalent	U1.6 mg/Kgdrywt	1.6	SW846 7196A	WG22103	27-OCT-05 09:49:00	SW846 3060A	26-OCT-05	MW	
TOC In Soil	42000 ug/g	1300	LLOYDKAHN	WG22116	27-OCT-05 16:02:55	N/A	N/A	CP	
Total Solids	30. %	1	CLP SOW 788	WG21980	25-OCT-05 09:08:00	CLP SOW 788	24-OCT-05	JF	

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WV5604-7
Report Date: 01-NOV-05
Client PO: 1004810
Project: MIDDLE RIVER
SDG: MID-5

Sample Description	Matrix	Date Sampled	Date Received
SD-20-SS	SL	21-OCT-05	22-OCT-05

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Chromium, Hexavalent	U2.2 mg/Kgdrywt	2.2	SW846 7196A	WG22103	27-OCT-05 09:49:00	SW846 3060A	26-OCT-05	MW	
Total Solids	22. %	1	CLP SOW 788	WG21980	25-OCT-05 09:11:00	CLP SOW 788	24-OCT-05	JF	

Katahdin
ANALYTICAL SERVICES

Accredited in accordance with nelac
Cert No E87604

Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WV5604-8
Report Date: 01-NOV-05
Client PO: 1004810
Project: MIDDLE RIVER
SDG: MID-5

Sample Description	Matrix	Date Sampled	Date Received
SD-21-SS	SL	21-OCT-05	22-OCT-05

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Chromium, Hexavalent	U2.0 mg/Kgdrywt	2	SW846 7196A	WG22103	27-OCT-05 09:49:00	SW846 3060A	26-OCT-05	MW	
Total Solids	25. %	1	CLP SOW 788	WG21980	25-OCT-05 09:12:00	CLP SOW 788	24-OCT-05	JF	

Katahdin
ANALYTICAL SERVICES

Accredited in accordance with nelac
Cert No E87604

Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WV5604-9
Report Date: 01-NOV-05
Client PO: 1004810
Project: MIDDLE RIVER
SDG: MID-5

Sample Description	Matrix	Date Sampled	Date Received
SD-22-SS	SL	21-OCT-05	22-OCT-05

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Chromium, Hexavalent	U2.2 mg/Kgdrywt	2.2	SW846 7196A	WG22103	27-OCT-05 09:49:00	SW846 3060A	26-OCT-05	MW	
Total Solids	23. %	1	CLP SOW 788	WG21980	25-OCT-05 09:13:00	CLP SOW 788	24-OCT-05	JF	

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WV5604-10
Report Date: 01-NOV-05
Client PO: 1004810
Project: MIDDLE RIVER
SDG: MID-5

Sample Description	Matrix	Date Sampled	Date Received
SD-23-SS	SL	21-OCT-05	22-OCT-05

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Chromium, Hexavalent	U2.2 mg/Kgdrywt	2.2	SW846 7196A	WG22103	27-OCT-05 09:49:00	SW846 3060A	26-OCT-05	MW	
TOC In Soil	55000 ug/g	1700	LLOYDKAHN	WG22228	28-OCT-05 14:05:25	N/A	N/A	CP	
Total Solids	23. %	1	CLP SOW 788	WG21980	25-OCT-05 09:14:00	CLP SOW 788	24-OCT-05	JF	

APPENDIX C
SUPPORT DOCUMENTATION

Katahdin ANALYTICAL SERVICES

340 County Road No. 5
P.O. Box 720
Westbrook, ME 04092
Tel: (207) 874-2400
Fax: (207) 775-4029

CHAIN of CUSTODY

PLEASE BEAR DOWN AND PRINT LEGIBLY IN PEN

Page 1 of 1

Client: Tetra Tech NUS, Inc. | Contact: Mike Martin | Phone #: (301) 528-3022 | Fax #: (301) 528 3000

Address: 20251 Century Blvd | City: Germantown | State: Md | Zip Code: 20874

Purchase Order # | Proj. Name / No.: LMC-MRC | Katahdin Quote #

Bill (if different than above): AS ABOVE | Address: AS ABOVE

Sampler (Print / Sign): FRED KOLBERG | Copies To:

LAB USE ONLY | WORK ORDER #: W55873 | KATAHDIN PROJECT NUMBER

REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT

AIRBILL NO:

TEMP°C ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	ANALYSIS AND CONTAINER TYPE PRESERVATIVES: 2 oz GLASS VOCs	8 oz GLASS SVOCs	8 oz GLASS PCBs	← 4 oz GLASS → P.P. METALS	4 oz GLASS Cr+6	P.P. METALS	Filt. ☐Y ☐N (×10)
SD-13-SS	10/20/05 14:30	SED.	3	✓	✓	✓	✓	✓		
SD-13-Ø1	15:30			✓	✓	✓	✓	✓		
SD-13-Ø2	15:45			✓	✓	✓	✓	✓		
SD-14-SS	16:00			✓	✓	✓	✓	✓		
SD-14-Ø1	16:10			✓	✓	✓	✓	✓		
SD-14-Ø2	16:30			✓	✓	✓	✓	✓		
SD-16-SS	16:50			✓	✓	✓	✓	✓		
SD-16-Ø1	17:00			✓	✓	✓	✓	✓		
SD-16-Ø2	17:10			✓	✓	✓	✓	✓		
TB102005A	10/13/05 11:45	H2O	1	✓						
Temp Blank	— / —	H2O	1							
	/									
	/									
	/									
	/									
	/									

COMMENTS

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
FRED KOLBERG	10/20/05 18:00	FedEx			10/21/05 0935
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)

000020

Katahdin ANALYTICAL SERVICES
340 County Road No. 5
P.O. Box 720
Westbrook, ME 04092
Tel: (207) 874-2400
Fax: (207) 775-4029

CHAIN of CUSTODY

PLEASE BEAR DOWN AND PRINT LEGIBLY IN PEN

Client: Tetra Tech NUS, Inc. | Contact: Mike Martin | Phone #: (301) 528 3033 | Fax #: (301) 528 3000

Address: 20251 Century Blvd | City: Germantown | State: Md | Zip Code: 20874

Purchase Order # | Proj. Name / No.: LMC - MRC | Katahdin Quote #

Bill (if different than above): SAME AS ABOVE | Address

Sampler (Print / Sign): Fred Kolberg FJK | Copies To:

LAB USE ONLY | WORK ORDER #: WV5604 WV5605 | KATAHDIN PROJECT NUMBER

REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT

AIRBILL NO:

TEMP°C ____ ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	VOCs 8 oz Glass/40z	P.P. metals 4 oz Glass	TOC	SVOCs PCBs 8 oz Glass	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N
SD-15-SS	10/21/05 / 13:20	SED	3	✓	✓		✓						
SD-17-SS	/ 11:30			✓	✓	✓	✓						
SD-18-SS	/ 12:50			✓	✓		✓						
SD-19-SS	/ 9:45			✓	✓	✓	✓						
SD-19-01	/ 10:00			✓	✓	✓	✓						
SD-19-02	/ 10:15			✓	✓	✓	✓						
SD-20-SS	/ 13:00			✓	✓		✓						
SD-21-SS	/ 11:25			✓	✓		✓						
SD-22-SS	/ 13:10			✓	✓		✓						
SD-23-SS	/ 12:40			✓	✓	✓	✓						
SD-24-SS	/ 11:50		↓	✓	✓		✓						
SD-25-SS	/ 11:20		6	✓	✓	✓	✓	+ MS/MSD volumes					
SD-26-SS	/ 12:30		3	✓	✓		✓						
SD-27-SS	/ 11:15		6	✓	✓	✓	✓	+ MS/MSD Volumes					
SD-27-01	/ 11:20		3	✓	✓		✓						
SD-27-02	/ 11:25	↓	3	✓	✓		✓						

COMMENTS

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
FJK 10/21/05	10/21/05 15:00				
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)

HOLDTIME

SDG: MID-5

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
HG	MG/KG	SD-16-02	WV5583-009	NM	10/20/2005	10/24/2005	10/25/2005	4	1	5
HG	MG/KG	SD-21-SS	WV5604-008	NM	10/21/2005	10/27/2005	10/28/2005	6	1	7
HG	MG/KG	SD-20-SS	WV5604-007	NM	10/21/2005	10/27/2005	10/28/2005	6	1	7
HG	MG/KG	SD-19-SS	WV5604-004	NM	10/21/2005	10/27/2005	10/28/2005	6	1	7
HG	MG/KG	SD-19-02	WV5604-006	NM	10/21/2005	10/27/2005	10/28/2005	6	1	7
HG	MG/KG	SD-19-01	WV5604-005	NM	10/21/2005	10/27/2005	10/28/2005	6	1	7
HG	MG/KG	SD-18-SS	WV5604-003	NM	10/21/2005	10/27/2005	10/28/2005	6	1	7
HG	MG/KG	SD-13-01	WV5583-002	NM	10/20/2005	10/24/2005	10/25/2005	4	1	5
HG	MG/KG	SD-16-SS	WV5583-007	NM	10/20/2005	10/24/2005	10/25/2005	4	1	5
HG	MG/KG	SD-23-SS	WV5604-010	NM	10/21/2005	10/27/2005	10/28/2005	6	1	7
HG	MG/KG	SD-16-01	WV5583-008	NM	10/20/2005	10/24/2005	10/25/2005	4	1	5
HG	MG/KG	SD-15-SS	WV5604-001	NM	10/21/2005	10/27/2005	10/28/2005	6	1	7
HG	MG/KG	SD-14-SS	WV5583-004	NM	10/20/2005	10/24/2005	10/25/2005	4	1	5
HG	MG/KG	SD-14-02	WV5583-006	NM	10/20/2005	10/24/2005	10/25/2005	4	1	5
HG	MG/KG	SD-14-01	WV5583-005	NM	10/20/2005	10/24/2005	10/25/2005	4	1	5

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
HG	MG/KG	SD-13-SS	WV5583-001	NM	10/20/2005	10/24/2005	10/25/2005	4	1	5
HG	MG/KG	SD-13-02	WV5583-003	NM	10/20/2005	10/24/2005	10/25/2005	4	1	5
HG	MG/KG	SD-17-SS	WV5604-002	NM	10/21/2005	10/27/2005	10/28/2005	6	1	7
HG	MG/KG	SD-22-SS	WV5604-009	NM	10/21/2005	10/27/2005	10/28/2005	6	1	7
M	MG/KG	SD-16-SS	WV5583-007	NM	10/20/2005	10/26/2005	11/2/2005	6	7	13
M	MG/KG	SD-23-SS	WV5604-010	NM	10/21/2005	10/26/2005	11/2/2005	5	7	12
M	MG/KG	SD-22-SS	WV5604-009	NM	10/21/2005	10/26/2005	11/2/2005	5	7	12
M	MG/KG	SD-21-SS	WV5604-008	NM	10/21/2005	10/26/2005	11/2/2005	5	7	12
M	MG/KG	SD-20-SS	WV5604-007	NM	10/21/2005	10/26/2005	11/2/2005	5	7	12
M	MG/KG	SD-19-SS	WV5604-004	NM	10/21/2005	10/26/2005	11/2/2005	5	7	12
M	MG/KG	SD-19-02	WV5604-006	NM	10/21/2005	10/26/2005	11/2/2005	5	7	12
M	MG/KG	SD-19-01	WV5604-005	NM	10/21/2005	10/26/2005	11/2/2005	5	7	12
M	MG/KG	SD-13-01	WV5583-002	NM	10/20/2005	10/26/2005	11/2/2005	6	7	13
M	MG/KG	SD-17-SS	WV5604-002	NM	10/21/2005	10/26/2005	11/2/2005	5	7	12
M	MG/KG	SD-16-02	WV5583-009	NM	10/20/2005	10/26/2005	11/2/2005	6	7	13
M	MG/KG	SD-16-01	WV5583-008	NM	10/20/2005	10/26/2005	11/2/2005	6	7	13
M	MG/KG	SD-15-SS	WV5604-001	NM	10/21/2005	10/26/2005	11/2/2005	5	7	12
M	MG/KG	SD-14-SS	WV5583-004	NM	10/20/2005	10/26/2005	11/2/2005	6	7	13

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
M	MG/KG	SD-14-02	WV5583-006	NM	10/20/2005	10/26/2005	11/2/2005	6	7	13
M	MG/KG	SD-13-SS	WV5583-001	NM	10/20/2005	10/26/2005	11/2/2005	6	7	13
M	MG/KG	SD-13-02	WV5583-003	NM	10/20/2005	10/26/2005	11/2/2005	6	7	13
M	MG/KG	SD-18-SS	WV5604-003	NM	10/21/2005	10/26/2005	11/2/2005	5	7	12
M	MG/KG	SD-14-01	WV5583-005	NM	10/20/2005	10/26/2005	11/2/2005	6	7	13
CR6	MG/KG	SD-13-SS	WV5583-1	NM	10/20/2005	10/25/2005	10/25/2005	5	0	5
CR6	MG/KG	SD-13-01	WV5583-2	NM	10/20/2005	10/25/2005	10/25/2005	5	0	5
CR6	MG/KG	SD-19-SS	WV5604-4	NM	10/21/2005	10/26/2005	10/27/2005	5	1	6
CR6	MG/KG	SD-13-02	WV5583-3	NM	10/20/2005	10/25/2005	10/25/2005	5	0	5
CR6	MG/KG	SD-14-01	WV5583-5	NM	10/20/2005	10/25/2005	10/25/2005	5	0	5
CR6	MG/KG	SD-14-02	WV5583-6	NM	10/20/2005	10/25/2005	10/25/2005	5	0	5
CR6	MG/KG	SD-14-SS	WV5583-4	NM	10/20/2005	10/25/2005	10/25/2005	5	0	5
CR6	MG/KG	SD-15-SS	WV5604-1	NM	10/21/2005	10/26/2005	10/27/2005	5	1	6
CR6	MG/KG	SD-16-01	WV5583-8	NM	10/20/2005	10/25/2005	10/25/2005	5	0	5
CR6	MG/KG	SD-22-SS	WV5604-9	NM	10/21/2005	10/26/2005	10/27/2005	5	1	6
CR6	MG/KG	SD-16-SS	WV5583-7	NM	10/20/2005	10/25/2005	10/25/2005	5	0	5
CR6	MG/KG	SD-17-SS	WV5604-2	NM	10/21/2005	10/26/2005	10/27/2005	5	1	6
CR6	MG/KG	SD-18-SS	WV5604-3	NM	10/21/2005	10/26/2005	10/27/2005	5	1	6

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
CR6	MG/KG	SD-19-01	WV5604-5	NM	10/21/2005	10/26/2005	10/27/2005	5	1	6
CR6	MG/KG	SD-19-02	WV5604-6	NM	10/21/2005	10/26/2005	10/27/2005	5	1	6
CR6	MG/KG	SD-20-SS	WV5604-7	NM	10/21/2005	10/26/2005	10/27/2005	5	1	6
CR6	MG/KG	SD-23-SS	WV5604-10	NM	10/21/2005	10/26/2005	10/27/2005	5	1	6
CR6	MG/KG	SD-21-SS	WV5604-8	NM	10/21/2005	10/26/2005	10/27/2005	5	1	6
CR6	MG/KG	SD-16-02	WV5583-9	NM	10/20/2005	10/25/2005	10/25/2005	5	0	5
TOC	UG/G	SD-17-SS	WV5604-2	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
TOC	UG/G	SD-19-SS	WV5604-4	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
TOC	UG/G	SD-19-02	WV5604-6	NM	10/21/2005	10/29/2005	10/29/2005	8	0	8
TOC	UG/G	SD-19-01	WV5604-5	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
TOC	UG/G	SD-23-SS	WV5604-10	NM	10/21/2005	10/28/2005	10/28/2005	7	0	7
TS	%	SD-17-SS	WV5604-2	NM	10/21/2005	10/24/2005	10/25/2005	3	1	4
TS	%	SD-13-SS	WV5583-1	NM	10/20/2005	10/24/2005	10/25/2005	4	1	5
TS	%	SD-22-SS	WV5604-9	NM	10/21/2005	10/24/2005	10/25/2005	3	1	4
TS	%	SD-21-SS	WV5604-8	NM	10/21/2005	10/24/2005	10/25/2005	3	1	4
TS	%	SD-20-SS	WV5604-7	NM	10/21/2005	10/24/2005	10/25/2005	3	1	4
TS	%	SD-19-SS	WV5604-4	NM	10/21/2005	10/24/2005	10/25/2005	3	1	4
TS	%	SD-19-02	WV5604-6	NM	10/21/2005	10/24/2005	10/25/2005	3	1	4

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
TS	%	SD-19-01	WV5604-5	NM	10/21/2005	10/24/2005	10/25/2005	3	1	4
TS	%	SD-18-SS	WV5604-3	NM	10/21/2005	10/24/2005	10/25/2005	3	1	4
TS	%	SD-13-02	WV5583-3	NM	10/20/2005	10/24/2005	10/25/2005	4	1	5
TS	%	SD-14-01	WV5583-5	NM	10/20/2005	10/24/2005	10/25/2005	4	1	5
TS	%	SD-13-01	WV5583-2	NM	10/20/2005	10/24/2005	10/25/2005	4	1	5
TS	%	SD-16-SS	WV5583-7	NM	10/20/2005	10/24/2005	10/25/2005	4	1	5
TS	%	SD-23-SS	WV5604-10	NM	10/21/2005	10/24/2005	10/25/2005	3	1	4
TS	%	SD-14-SS	WV5583-4	NM	10/20/2005	10/24/2005	10/25/2005	4	1	5
TS	%	SD-15-SS	WV5604-1	NM	10/21/2005	10/24/2005	10/25/2005	3	1	4
TS	%	SD-16-01	WV5583-8	NM	10/20/2005	10/24/2005	10/25/2005	4	1	5
TS	%	SD-16-02	WV5583-9	NM	10/20/2005	10/24/2005	10/25/2005	4	1	5
TS	%	SD-14-02	WV5583-6	NM	10/20/2005	10/24/2005	10/25/2005	4	1	5
OS	%	SD-22-SS	WV5604-9	NM	10/21/2005	10/27/2005	10/29/2005	6	2	8
OS	%	SD-17-SS	WV5604-2	NM	10/21/2005	10/25/2005	10/29/2005	4	4	8
OS	%	SD-18-SS	WV5604-3	NM	10/21/2005	10/25/2005	10/29/2005	4	4	8
OS	%	SD-19-01	WV5604-5	NM	10/21/2005	10/25/2005	10/31/2005	4	6	10
OS	%	SD-19-02	WV5604-6	NM	10/21/2005	10/25/2005	10/29/2005	4	4	8
OS	%	SD-19-SS	WV5604-4	NM	10/21/2005	10/25/2005	10/29/2005	4	4	8

Katahdin
ANALYTICAL SERVICES

Cert. No. E87604

SDG NARRATIVE
KATAHDIN ANALYTICAL SERVICES
TETRA TECH NUS
CASE MIDDLE RIVER
SDG: MID-5

Sample Receipt

The following samples were received on October 21 and 22, 2005 and were logged in under Katahdin Analytical Services work order numbers WV5583 and WV5604 for a hardcopy due date of October 28, 2005.

KATAHDIN Sample No.	TTNUS Sample Identification
WV5583-1	SD-13-SS
WV5583-2	SD-13-01
WV5583-3	SD-13-02
WV5583-4	SD-14-SS
WV5583-5	SD-14-01
WV5583-6	SD-14-02
WV5583-7	SD-16-SS
WV5583-8	SD-16-01
WV5583-9	SD-16-02
WV5583-10	TB102005A
WV5604-1	SD-15-SS
WV5604-2	SD-17-SS
WV5604-3	SD-18-SS
WV5604-4	SD-19-SS
WV5604-5	SD-19-01
WV5604-6	SD-19-02
WV5604-7	SD-20-SS
WV5604-8	SD-21-SS
WV5604-9	SD-22-SS
WV5604-10	SD-23-SS

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.

the method acceptance criteria of 0.990. These compounds were calibrated using the average model.

The initial calibration standard (file X9008) had a response for the internal standards perylene-d12, which was low and outside the method acceptance limits of -50% to +100% of the responses of the internal standard of the mid-point level calibration standard from the initial calibration performed on 10/29/05.

The calibration verification standard (CV) (file X9053) 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%. The internal standard perylene-D12 had a response that was low and outside of the method acceptance limit of -50 to 100% of the response of the mid level standard from the initial calibration.

Samples WV5583-1, 3, 3DL, 4, 7, 8 and WV5604-5, 7 and 8 had high or low recoveries for one or more surrogates, which were outside the laboratory established acceptance limits. Samples WV5583-1, 2, 2DL, 3, 3DL, 8 and 9RA and WV5604-1 through 10 had low responses for one or more internal standards, which were outside the laboratory acceptance limit of -50% to 100% of the response of the internal standard of the daily calibration verification standard. The laboratory method blanks WG21993-1 and WG22096-1 and the LCSD WG21993-3 had low recoveries for one surrogate. The client was contacted and notified the laboratory to accept the data as long as the surrogate recoveries were greater than 15%, and the internal standard responses were at least 15% of the internal standard of the daily calibration verification standard. Since the surrogate recoveries and internal standard responses met these criteria, these samples were not reextracted. Sample WV5583-8 was reanalyzed at a dilution of 1:2, per client request in order to confirm internal standard response deviations.

Sample WV5583-9 was initially analyzed outside of the 12-hour analytical shift. The sample was reanalyzed and is labeled with the suffix "RA".

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

Metals Analysis

The samples of Katahdin SDG MID-5 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 Atomic Emission Spectrometric Analysis (ICP)

Solid-matrix Katahdin Sample Nos. WV5583-(1-9) and WV5604-(1-10) were digested for ICP analysis on 10/26/05 (QC Batch VJ26ICS0) in accordance with USEPA Method 3050B. Duplicate laboratory control samples were prepared in this batch.

ICP analyses of SDG MID-5 sample digestates were performed using a Thermo Jarrell Ash Trace ICP spectrometer in accordance with USEPA Method 6010B. All samples were analyzed within holding times and all analytical run QC criteria were met.

Analysis of Mercury by Cold Vapor Atomic Absorption (CVAA)

Solid-matrix Katahdin Sample Nos. WV5583-(1-9) were digested for mercury analysis on 10/24/05 (QC Batch VJ24HGS0) in accordance with USEPA Method 7471A. Duplicate laboratory control samples were prepared in this batch.

Solid-matrix Katahdin Sample Nos. WV5604-(1-10) were digested for mercury analysis on 10/27/05 (QC Batch VJ27HGS0) in accordance with USEPA Method 7471A. Katahdin Sample No. WV5604-10 was prepared with duplicate matrix-spiked aliquots. Duplicate laboratory control samples were prepared in this batch.

Mercury analyses of Katahdin SDG MID-5 sample digestates were performed using a Cetac M6100 automated mercury analyzer in accordance with USEPA Method 7471A. All samples were analyzed within holding times and all analytical run QC criteria were met.

Matrix QC Summary

One of the matrix spiked aliquots of Katahdin Sample No. WV5604-10 is outside the laboratory's acceptance criteria (75% - 125% recovery of the added element, if the native concentration is less than four times the amount added) for mercury.

The matrix-spike duplicate analysis of Katahdin Sample No. WV5604-10 is within the laboratory's acceptance limit (<20% relative difference between duplicate matrix-spiked aliquots) for mercury.

Wet Chemistry Analysis

The samples of SDG MID-5 were analyzed in accordance with the specific methods listed on the Report of Analysis.

Analyses for hexavalent chromium were performed according to "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, U.S. EPA.

Analyses for Total organic Carbon (TOC) were performed according to "Determination of Total Organic Carbon in Sediment", Lloyd Kahn, USEPA Region II, 7/88.

Analyses for total solids were performed according to "U.S. EPA Contract Laboratory Program Statement of Work for Inorganic Analysis", SOW 7/88.

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 time. All quality control criteria were met, with the following exceptions:

The recovery of hexavalent chromium from the matrix spike (33%) aliquot of Katahdin Sample No. WV5583-9 is outside the laboratory's acceptance limits of 75% - 125%. Low matrix spike recoveries for hexavalent chromium may indicate the presence of reducing conditions in the sample.

No other deviations were noted by the Wet Chemistry group.

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
11.8.05

Leslie Dimond
Quality Assurance Officer

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: Katahdin Analytical Services

SDG Name: MID-5 **SOW No.** SW846

Client Field ID	Lab Sample ID
SD-13-01	WV5583-002
SD-13-02	WV5583-003
SD-13-SS	WV5583-001
SD-14-01	WV5583-005
SD-14-02	WV5583-006
SD-14-SS	WV5583-004
SD-15-SS	WV5604-001
SD-16-01	WV5583-008
SD-16-02	WV5583-009
SD-16-SS	WV5583-007
SD-17-SS	WV5604-002
SD-18-SS	WV5604-003
SD-19-01	WV5604-005
SD-19-02	WV5604-006
SD-19-SS	WV5604-004
SD-20-SS	WV5604-007
SD-21-SS	WV5604-008
SD-22-SS	WV5604-009
SD-23-SS	WV5604-010
SD-23-SS	WV5604-010P
SD-23-SS	WV5604-010S

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: Edward A. Morgan Name: Edward A. Morgan

Date: November 4, 2005 Title: Senior Chemist

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** MID-5

Concentration Units: ug/L

SAMPLE: ICV

File: AVK02A Nov 02, 2005 12:03

Analyte	True	Found	%R (1)
ALUMINUM	20000.0	18732.20	93.7
ANTIMONY	600.0	586.90	97.8
ARSENIC	600.0	617.95	103.0
BARIUM	500.0	491.68	98.3
BERYLLIUM	500.0	493.60	98.7
CADMIUM	1250.0	1231.87	98.5
CALCIUM	20000.0	20265.82	101.3
CHROMIUM	500.0	502.05	100.4
COBALT	500.0	503.04	100.6
COPPER	500.0	465.71	93.1
IRON	20000.0	19894.18	99.5
LEAD	550.0	549.47	99.9
MAGNESIUM	20000.0	20702.22	103.5
MOLYBDENUM	300.0	306.56	102.2
NICKEL	1000.0	998.91	99.9
SELENIUM	550.0	546.54	99.4
SILVER	200.0	192.87	96.4
THALLIUM	600.0	608.71	101.5
VANADIUM	500.0	485.90	97.2
ZINC	1000.0	998.47	99.8

SAMPLE: CCV

File: AVK02A Nov 02, 2005 12:53

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	48921.54	97.8
ANTIMONY	1000.0	1021.06	102.1
ARSENIC	1000.0	1015.60	101.6
BARIUM	1000.0	1010.93	101.1
BERYLLIUM	1000.0	1027.41	102.7
CADMIUM	1000.0	1027.13	102.7
CALCIUM	50000.0	51016.75	102.0
CHROMIUM	1000.0	1029.56	103.0
COBALT	1000.0	1031.09	103.1
COPPER	1000.0	988.53	98.9
IRON	20000.0	20027.08	100.1
LEAD	1000.0	1016.68	101.7
MAGNESIUM	50000.0	50957.37	101.9
MOLYBDENUM	1000.0	1017.67	101.8
NICKEL	1000.0	1027.62	102.8
SELENIUM	1000.0	1023.14	102.3
SILVER	250.0	247.57	99.0
THALLIUM	1000.0	1021.52	102.2
VANADIUM	1000.0	990.75	99.1
ZINC	1000.0	1033.80	103.4

(1) Control Limits: Mercury 80-120; Other Metals 90-110

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** MID-5

Concentration Units: ug/L

SAMPLE: CCV

File: AVK02A Nov 02, 2005 14:25

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	48930.54	97.9
ANTIMONY	1000.0	1035.98	103.6
ARSENIC	1000.0	1037.92	103.8
BARIUM	1000.0	1020.10	102.0
BERYLLIUM	1000.0	1038.93	103.9
CADMIUM	1000.0	1050.84	105.1
CALCIUM	50000.0	51353.37	102.7
CHROMIUM	1000.0	1055.76	105.6
COBALT	1000.0	1052.60	105.3
COPPER	1000.0	978.46	97.8
IRON	20000.0	20160.17	100.8
LEAD	1000.0	1032.21	103.2
MAGNESIUM	50000.0	51113.97	102.2
MOLYBDENUM	1000.0	1040.50	104.1
NICKEL	1000.0	1053.08	105.3
SELENIUM	1000.0	1045.69	104.6
SILVER	250.0	247.25	98.9
THALLIUM	1000.0	1025.22	102.5
VANADIUM	1000.0	962.75	96.3
ZINC	1000.0	1047.91	104.8

SAMPLE: CCV

File: AVK02A Nov 02, 2005 15:54

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	48479.86	97.0
ANTIMONY	1000.0	1016.83	101.7
ARSENIC	1000.0	1043.87	104.4
BARIUM	1000.0	986.53	98.7
BERYLLIUM	1000.0	1043.22	104.3
CADMIUM	1000.0	1058.67	105.9
CALCIUM	50000.0	52049.09	104.1
CHROMIUM	1000.0	1051.51	105.2
COBALT	1000.0	1049.74	105.0
COPPER	1000.0	972.38	97.2
IRON	20000.0	20232.47	101.2
LEAD	1000.0	1036.95	103.7
MAGNESIUM	50000.0	51721.06	103.4
MOLYBDENUM	1000.0	1019.11	101.9
NICKEL	1000.0	1042.93	104.3
SELENIUM	1000.0	1038.58	103.9
SILVER	250.0	246.61	98.6
THALLIUM	1000.0	1038.94	103.9
VANADIUM	1000.0	968.67	96.9
ZINC	1000.0	1036.89	103.7

(1) Control Limits: Mercury 80-120; Other Metals 90-110

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** MID-5

Concentration Units: ug/L

SAMPLE: CCV

File: AVK02A Nov 02, 2005 17:20

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	49331.40	98.7
ANTIMONY	1000.0	1043.61	104.4
ARSENIC	1000.0	1061.13	106.1
BARIUM	1000.0	1028.92	102.9
BERYLLIUM	1000.0	1053.55	105.4
CADMIUM	1000.0	1066.34	106.6
CALCIUM	50000.0	51838.32	103.7
CHROMIUM	1000.0	1075.50	107.5
COBALT	1000.0	1060.86	106.1
COPPER	1000.0	991.20	99.1
IRON	20000.0	20268.88	101.3
LEAD	1000.0	1045.24	104.5
MAGNESIUM	50000.0	51054.42	102.1
MOLYBDENUM	1000.0	1042.39	104.2
NICKEL	1000.0	1058.22	105.8
SELENIUM	1000.0	1057.41	105.7
SILVER	250.0	251.11	100.4
THALLIUM	1000.0	1052.44	105.2
VANADIUM	1000.0	943.05	94.3
ZINC	1000.0	1060.71	106.1

(1) Control Limits: Mercury 80-120; Other Metals 90-110

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** MID-5

Concentration Units: ug/L

SAMPLE: ICV

File: HVJ25A Oct 25, 2005 15:14

Analyte	True	Found	%R (1)
MERCURY	6.0	6.26	104.3

SAMPLE: CCV

File: HVJ25A Oct 25, 2005 15:39

Analyte	True	Found	%R (1)
MERCURY	5.0	5.27	105.4

(1) Control Limits: Mercury 80-120; Other Metals 90-110

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** MID-5

Concentration Units: ug/L

SAMPLE: CCV

File: HVJ25A Oct 25, 2005 15:58

Analyte	True	Found	%R (1)
MERCURY	5.0	5.04	100.8

SAMPLE: CCV

File: HVJ25A Oct 25, 2005 16:12

Analyte	True	Found	%R (1)
MERCURY	5.0	5.04	100.8

(1) Control Limits: Mercury 80-120; Other Metals 90-110

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** MID-5

Concentration Units: ug/L

SAMPLE: ICV

File: HVJ28A Oct 28, 2005 12:43

Analyte	True	Found	%R (1)
MERCURY	6.0	6.03	100.5

SAMPLE: CCV

File: HVJ28A Oct 28, 2005 13:08

Analyte	True	Found	%R (1)
MERCURY	5.0	4.81	96.2

(1) Control Limits: Mercury 80-120; Other Metals 90-110

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** MID-5

Concentration Units: ug/L

SAMPLE: CCV

File: HVJ28A Oct 28, 2005 13:27

Analyte	True	Found	%R (1)
MERCURY	5.0	4.82	96.4

(1) Control Limits: Mercury 80-120; Other Metals 90-110

2B

CRDL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** MID-5

Concentration Units: ug/L

SAMPLE: CRI

File: AVK02A Nov 02, 2005 12:32

Analyte	TRUE	FOUND	% R
ANTIMONY	120.0	118.63	98.9
ARSENIC	20.0	20.22	101.1
BERYLLIUM	10.0	10.04	100.4
CADMIUM	10.0	10.18	101.8
CHROMIUM	20.0	19.60	98.0
COBALT	100.0	102.46	102.5
COPPER	50.0	45.42	90.8
LEAD	6.0	6.31	105.2
NICKEL	80.0	81.93	102.4
SELENIUM	10.0	10.30	103.0
SILVER	20.0	17.49	87.4
THALLIUM	20.0	21.12	105.6
VANADIUM	100.0	98.70	98.7
ZINC	40.0	42.20	105.5

SAMPLE: CRI

File: AVK02A Nov 02, 2005 16:59

Analyte	TRUE	FOUND	% R
ANTIMONY	120.0	120.75	100.6
ARSENIC	20.0	21.61	108.1
BERYLLIUM	10.0	9.97	99.7
CADMIUM	10.0	10.36	103.6
CHROMIUM	20.0	19.61	98.0
COBALT	100.0	104.46	104.5
COPPER	50.0	42.59	85.2
LEAD	6.0	5.65	94.2
NICKEL	80.0	82.58	103.2
SELENIUM	10.0	7.15	71.5
SILVER	20.0	17.09	85.5
THALLIUM	20.0	20.91	104.6
VANADIUM	100.0	92.83	92.8
ZINC	40.0	43.01	107.5

2B

CRDL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** MID-5

Concentration Units: ug/L

SAMPLE: CRA

File: HVJ25A Oct 25, 2005 15:18

Analyte	TRUE	FOUND	% R
MERCURY	0.2	0.19	95.0

2B

CRDL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** MID-5

Concentration Units: ug/L

SAMPLE: CRA

File: HVJ28A Oct 28, 2005 12:47

Analyte	TRUE	FOUND	% R
MERCURY	0.2	0.26	130.0

2C

PQL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** MID-5

SAMPLE: PQL

File: AVK02A Nov 02, 2005 12:17 Concentration Units: ug/L

Analyte	TRUE	FOUND	% R
ALUMINUM	300.0	278.42	92.8
ANTIMONY	8.0	6.63	82.9
ARSENIC	8.0	8.33	104.1
BARIUM	5.0	4.74	94.8
BERYLLIUM	5.0	5.14	102.8
CADMIUM	10.0	10.33	103.3
CALCIUM	50.0	54.94	109.9
CHROMIUM	15.0	14.13	94.2
COBALT	30.0	30.30	101.0
COPPER	25.0	22.53	90.1
IRON	100.0	114.55	114.6
LEAD	5.0	4.18	83.6
MAGNESIUM	50.0	55.32	110.6
MOLYBDENUM	10.0	8.74	87.4
NICKEL	40.0	40.23	100.6
SELENIUM	10.0	9.60	96.0
SILVER	15.0	13.34	88.9
THALLIUM	15.0	12.40	82.7
VANADIUM	25.0	24.44	97.8
ZINC	25.0	25.82	103.3

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** MID-5

Concentration Units: ug/L

SAMPLE: ICB

File: AVK02A Nov 02, 2005 12:10

Analyte	Result	C
ALUMINUM	22.00	U
ANTIMONY	4.11	U
ARSENIC	3.45	U
BARIUM	0.27	U
BERYLLIUM	0.35	U
CADMIUM	0.40	U
CALCIUM	11.30	U
CHROMIUM	1.01	U
COBALT	1.12	U
COPPER	1.74	U
IRON	25.80	U
LEAD	1.65	U
MAGNESIUM	12.10	U
MOLYBDENUM	2.00	U
NICKEL	1.53	U
SELENIUM	3.59	U
SILVER	1.04	U
THALLIUM	6.13	U
VANADIUM	1.36	U
ZINC	0.59	U

SAMPLE: CCB

File: AVK02A Nov 02, 2005 13:00

Analyte	Result	C
ALUMINUM	34.94	B
ANTIMONY	4.11	U
ARSENIC	3.45	U
BARIUM	0.27	U
BERYLLIUM	0.35	U
CADMIUM	0.40	U
CALCIUM	11.30	U
CHROMIUM	-1.09	B
COBALT	1.12	U
COPPER	-1.86	B
IRON	25.80	U
LEAD	1.65	U
MAGNESIUM	12.10	U
MOLYBDENUM	2.00	U
NICKEL	1.53	U
SELENIUM	3.59	U
SILVER	-1.28	B
THALLIUM	6.13	U
VANADIUM	1.36	U
ZINC	0.59	U

SAMPLE: CCB

File: AVK02A Nov 02, 2005 14:35

Analyte	Result	C
ALUMINUM	74.35	B
ANTIMONY	4.11	U
ARSENIC	3.45	U
BARIUM	0.27	U
BERYLLIUM	0.35	U
CADMIUM	0.40	U
CALCIUM	11.30	U
CHROMIUM	1.01	U
COBALT	1.12	U
COPPER	-2.16	B
IRON	25.80	U
LEAD	1.65	U
MAGNESIUM	12.10	U
MOLYBDENUM	2.00	U
NICKEL	1.53	U
SELENIUM	3.59	U
SILVER	1.04	U
THALLIUM	6.13	U
VANADIUM	1.36	U
ZINC	0.59	U

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** MID-5

Concentration Units: ug/L

SAMPLE: CCB

File: AVK02A Nov 02, 2005 16:01

Analyte	Result	C
ALUMINUM	63.85	B
ANTIMONY	4.11	U
ARSENIC	3.45	U
BARIUM	0.27	U
BERYLLIUM	0.35	U
CADMIUM	0.40	U
CALCIUM	11.30	U
CHROMIUM	1.01	U
COBALT	1.12	U
COPPER	-1.94	B
IRON	25.80	U
LEAD	1.65	U
MAGNESIUM	12.10	U
MOLYBDENUM	2.00	U
NICKEL	1.53	U
SELENIUM	3.59	U
SILVER	1.04	U
THALLIUM	6.13	U
VANADIUM	1.36	U
ZINC	0.59	U

SAMPLE: CCB

File: AVK02A Nov 02, 2005 17:27

Analyte	Result	C
ALUMINUM	111.25	B
ANTIMONY	4.11	U
ARSENIC	3.45	U
BARIUM	0.27	U
BERYLLIUM	0.35	U
CADMIUM	0.40	U
CALCIUM	-13.48	B
CHROMIUM	1.01	U
COBALT	1.12	U
COPPER	-3.32	B
IRON	25.80	U
LEAD	1.65	U
MAGNESIUM	12.10	U
MOLYBDENUM	2.00	U
NICKEL	1.53	U
SELENIUM	3.59	U
SILVER	1.04	U
THALLIUM	6.13	U
VANADIUM	1.36	U
ZINC	0.59	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** MID-5

Concentration Units: ug/L

SAMPLE: ICB

File: HVJ25A Oct 25, 2005 15:16

Analyte	Result	C
MERCURY	-0.04	B

SAMPLE: CCB

File: HVJ25A Oct 25, 2005 15:41

Analyte	Result	C
MERCURY	-0.05	B

SAMPLE: CCB

File: HVJ25A Oct 25, 2005 16:00

Analyte	Result	C
MERCURY	-0.05	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** MID-5

Concentration Units: ug/L

SAMPLE: CCB

File: HVJ25A Oct 25, 2005 16:14

Analyte	Result	C
MERCURY	-0.04	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** MID-5

Concentration Units: ug/L

SAMPLE: ICB

File: HVJ28A Oct 28, 2005 12:45

Analyte	Result	C
MERCURY	-0.02	B

SAMPLE: CCB

File: HVJ28A Oct 28, 2005 13:10

Analyte	Result	C
MERCURY	-0.02	B

SAMPLE: CCB

File: HVJ28A Oct 28, 2005 13:29

Analyte	Result	C
MERCURY	0.02	U

3P

PREPARATION BLANKS

Lab Name: Katahdin Analytical Services **Sample ID:** PBSVJ24HGS0

Matrix: SOIL **SDG Name:** MID-5

QC Batch ID: VJ24HGS0

Concentration Units : mg/Kg

Analyte	RESULT	C
MERCURY	0.010	U

3P

PREPARATION BLANKS

Lab Name: Katahdin Analytical Services **Sample ID:** PBSVJ26ICS0

Matrix: SOIL **SDG Name:** MID-5

QC Batch ID: VJ26ICS0

Concentration Units : mg/Kg

Analyte	RESULT	C
ANTIMONY	0.410	U
ARSENIC	0.350	U
BARIUM	0.030	U
BERYLLIUM	0.040	U
CADMIUM	0.040	U
CHROMIUM	0.100	U
COBALT	0.110	U
COPPER	-0.297	B
LEAD	0.170	U
MOLYBDENUM	0.200	U
NICKEL	0.150	U
SELENIUM	0.360	U
SILVER	0.100	U
THALLIUM	0.610	U
VANADIUM	0.140	U
ZINC	0.490	B

3P

PREPARATION BLANKS

Lab Name: Katahdin Analytical Services **Sample ID:** PBSVJ27HGS0

Matrix: SOIL **SDG Name:** MID-5

QC Batch ID: VJ27HGS0

Concentration Units : mg/Kg

Analyte	RESULT	C
MERCURY	0.010	U

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** MID-5

Concentration Units: ug/L

SAMPLE: ICSA

File: AVK02A Nov 02, 2005 12:39

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	496539	99.3
ANTIMONY	0	3	
ARSENIC	0	0	
BARIUM	0	0	
BERYLLIUM	0	0	
CADMIUM	0	-1	
CALCIUM	500000	518115	103.6
CHROMIUM	2	2	
COBALT	0	0	
COPPER	0	-7	
IRON	200000	198500	99.3
LEAD	5	5	
MAGNESIUM	500000	500331	100.1
MOLYBDENUM	0	-1	
NICKEL	0	4	
SELENIUM	0	-5	
SILVER	0	1	
THALLIUM	0	-4	
VANADIUM	0	0	
ZINC	4	7	

SAMPLE: ICSAB

File: AVK02A Nov 02, 2005 12:46

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	500760	100.2
ANTIMONY	600	604	100.7
ARSENIC	100	93	93.0
BARIUM	500	510	102.0
BERYLLIUM	500	490	98.0
CADMIUM	1000	940	94.0
CALCIUM	500000	518646	103.7
CHROMIUM	502	510	101.6
COBALT	500	491	98.2
COPPER	500	515	103.0
IRON	200000	199210	99.6
LEAD	55	53	96.4
MAGNESIUM	500000	500103	100.0
MOLYBDENUM	500	497	99.4
NICKEL	1000	968	96.8
SELENIUM	50	42	84.0
SILVER	200	210	105.0
THALLIUM	100	88	88.0
VANADIUM	500	488	97.6
ZINC	1004	1010	100.6

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** MID-5

Concentration Units: ug/L

SAMPLE: ICSA

File: AVK02A Nov 02, 2005 17:06

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	492483	98.5
ANTIMONY	0	4	
ARSENIC	0	-1	
BARIUM	0	0	
BERYLLIUM	0	0	
CADMIUM	0	-1	
CALCIUM	500000	517377	103.5
CHROMIUM	2	4	
COBALT	0	0	
COPPER	0	-9	
IRON	200000	197682	98.8
LEAD	5	5	
MAGNESIUM	500000	491738	98.3
MOLYBDENUM	0	-2	
NICKEL	0	4	
SELENIUM	0	-8	
SILVER	0	2	
THALLIUM	0	0	
VANADIUM	0	2	
ZINC	4	8	

SAMPLE: ICSAB

File: AVK02A Nov 02, 2005 17:13

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	496573	99.3
ANTIMONY	600	613	102.2
ARSENIC	100	96	96.0
BARIUM	500	511	102.2
BERYLLIUM	500	497	99.4
CADMIUM	1000	964	96.4
CALCIUM	500000	519388	103.9
CHROMIUM	502	525	104.6
COBALT	500	498	99.6
COPPER	500	506	101.2
IRON	200000	198768	99.4
LEAD	55	53	96.4
MAGNESIUM	500000	493229	98.6
MOLYBDENUM	500	504	100.8
NICKEL	1000	988	98.8
SELENIUM	50	43	86.0
SILVER	200	208	104.0
THALLIUM	100	93	93.0
VANADIUM	500	460	92.0
ZINC	1004	1023	101.9

5A

SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services | **Client Field ID:** SD-23-SSS

Matrix: SOIL | **SDG Name:** MID-5

Percent Solids: 23.1 | **Lab Sample ID:** WV5604-010P

Concentration Units : mg/Kg

Analyte	Spiked Sample Result	C	Sample Result	C	Spike Added	%R	Q	Control Limits (%R) Low	High	M
MERCURY, TOTAL	0.8694		0.4038		0.66	70.5	N	75	125	CV

Comments:

5A

SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services

Matrix: SOIL

Percent Solids: 23.1

Client Field ID: SD-23-SSS

SDG Name: MID-5

Lab Sample ID: WV5604-010S

Concentration Units : mg/Kg

Analyte	Spiked Sample Result	C	Sample Result	C	Spike Added	%R	Q	Control Limits (%R) Low	High	M
MERCURY, TOTAL	0.8884		0.4038		0.64	75.7		75	125	CV

Comments:

LABORATORY CONTROL SAMPLES

Lab Name: Katahdin Analytical Services **Sample ID:** LC2OVJ26ICS0

Matrix: SOIL **SDG Name:** MID-5

QC Batch ID: VJ26ICS0

Concentration Units : ug/L

Analyte	TRUE	FOUND	% R	LIMITS (%)	
ANTIMONY	500.0	493.75	98.8	80	120
ARSENIC	500.0	500.93	100.2	80	120
BARIUM	2000.0	1989.21	99.5	80	120
BERYLLIUM	50.0	50.53	101.1	80	120
CADMIUM	250.0	245.75	98.3	80	120
CHROMIUM	200.0	210.60	105.3	80	120
COBALT	500.0	517.56	103.5	80	120
COPPER	250.0	230.17	92.1	80	120
LEAD	500.0	483.01	96.6	80	120
MOLYBDENUM	300.0	310.19	103.4	80	120
NICKEL	500.0	517.17	103.4	80	120
SELENIUM	500.0	482.71	96.5	80	120
SILVER	50.0	46.37	92.7	80	120
THALLIUM	500.0	485.14	97.0	80	120
VANADIUM	500.0	477.33	95.5	80	120
ZINC	500.0	524.40	104.9	80	120

LABORATORY CONTROL SAMPLES

Lab Name: Katahdin Analytical Services **Sample ID:** LCSOVJ26ICS0

Matrix: SOIL **SDG Name:** MID-5

QC Batch ID: VJ26ICS0

Concentration Units : ug/L

Analyte	TRUE	FOUND	% R	LIMITS (%)	
ANTIMONY	500.0	509.65	101.9	80	120
ARSENIC	500.0	511.04	102.2	80	120
BARIUM	2000.0	2045.97	102.3	80	120
BERYLLIUM	50.0	51.13	102.3	80	120
CADMIUM	250.0	249.92	100.0	80	120
CHROMIUM	200.0	215.40	107.7	80	120
COBALT	500.0	528.32	105.7	80	120
COPPER	250.0	232.97	93.2	80	120
LEAD	500.0	490.36	98.1	80	120
MOLYBDENUM	300.0	320.01	106.7	80	120
NICKEL	500.0	528.79	105.8	80	120
SELENIUM	500.0	493.88	98.8	80	120
SILVER	50.0	47.66	95.3	80	120
THALLIUM	500.0	490.23	98.0	80	120
VANADIUM	500.0	478.80	95.8	80	120
ZINC	500.0	533.73	106.7	80	120

LABORATORY CONTROL SAMPLES

Lab Name: Katahdin Analytical Services **Sample ID:** LC2OVJ24HGS0

Matrix: SOIL **SDG Name:** MID-5

QC Batch ID: VJ24HGS0

Concentration Units : ug/L

Analyte	TRUE	FOUND	% R	LIMITS (%)	
MERCURY	5.0	5.14	102.8	80	120

LABORATORY CONTROL SAMPLES

Lab Name: Katahdin Analytical Services **Sample ID:** LCSOVJ24HGS0

Matrix: SOIL **SDG Name:** MID-5

QC Batch ID: VJ24HGS0

Concentration Units : ug/L

Analyte	TRUE	FOUND	% R	LIMITS (%)	
MERCURY	5.0	4.89	97.8	80	120

LABORATORY CONTROL SAMPLES

Lab Name: Katahdin Analytical Services **Sample ID:** LC2OVJ27HGS0

Matrix: SOIL **SDG Name:** MID-5

QC Batch ID: VJ27HGS0

Concentration Units : ug/L

Analyte	TRUE	FOUND	% R	LIMITS (%)	
MERCURY	5.0	4.29	85.8	80	120

LABORATORY CONTROL SAMPLES

Lab Name: Katahdin Analytical Services **Sample ID:** LCSOVJ27HGS0

Matrix: SOIL **SDG Name:** MID-5

QC Batch ID: VJ27HGS0

Concentration Units : ug/L

Analyte	TRUE	FOUND	% R	LIMITS (%)	
MERCURY	5.0	4.30	86.0	80	120

INSTRUMENT DETECTION LIMITS

Lab Name: Katahdin Analytical Services **Instrument Code:** A

Instrument Name: TJA TRACE ICP **Date:** 10/3/05

Concentration Units: ug/L

Analyte	CRDL	IDL	M
ANTIMONY	8.0	4.11	P
ARSENIC	8.0	3.45	P
BARIUM	5.0	0.27	P
BERYLLIUM	5.0	0.35	P
CADMIUM	10	0.40	P
CHROMIUM	15	1.01	P
COBALT	30	1.12	P
COPPER	25	1.74	P
LEAD	5.0	1.65	P
MOLYBDENUM	100	2.00	P
NICKEL	40	1.53	P
SELENIUM	10	3.59	P
SILVER	15	1.04	P
THALLIUM	15	6.13	P
VANADIUM	25	1.36	P
ZINC	25	0.59	P

INSTRUMENT DETECTION LIMITS

Lab Name: Katahdin Analytical Services **Instrument Code:** H

Instrument Name: CETAC M6100 **Date:** 10/3/05

Concentration Units: ug/L

Analyte	CRDL	IDL	M
MERCURY	0.20	0.02	CV

PREPARATION LOG

Lab Name: Katahdin Analytical Services **QC Batch ID:** VJ24HGS0

Matrix: SOIL **SDG Name:** MID-5

Method: CV **Prep Date:** 10/24/2005

Client ID	Lab Sample ID	Initial (g)	Final (L)
LC2OVJ24HGS0	LC2OVJ24HGS0	0.6	0.1
LCSOVJ24HGS0	LCSOVJ24HGS0	0.6	0.1
PBSVJ24HGS0	PBSVJ24HGS0	0.6	0.1
SD-13-SS	WV5583-001	0.79	0.1
SD-13-01	WV5583-002	0.8	0.1
SD-13-02	WV5583-003	0.65	0.1
SD-14-SS	WV5583-004	0.75	0.1
SD-14-01	WV5583-005	0.68	0.1
SD-14-02	WV5583-006	0.68	0.1
SD-16-SS	WV5583-007	0.65	0.1
SD-16-01	WV5583-008	0.61	0.1
SD-16-02	WV5583-009	0.7	0.1

PREPARATION LOG

Lab Name: Katahdin Analytical Services **QC Batch ID:** VJ27HGS0

Matrix: SOIL **SDG Name:** MID-5

Method: CV **Prep Date:** 10/27/2005

Client ID	Lab Sample ID	Initial (g)	Final (L)
LC2OVJ27HGS0	LC2OVJ27HGS0	0.6	0.1
LCSOVJ27HGS0	LCSOVJ27HGS0	0.6	0.1
PBSVJ27HGS0	PBSVJ27HGS0	0.6	0.1
SD-15-SS	WV5604-001	0.66	0.1
SD-17-SS	WV5604-002	0.65	0.1
SD-18-SS	WV5604-003	0.75	0.1
SD-19-SS	WV5604-004	0.71	0.1
SD-19-01	WV5604-005	0.7	0.1
SD-19-02	WV5604-006	0.66	0.1
SD-20-SS	WV5604-007	0.73	0.1
SD-21-SS	WV5604-008	0.77	0.1
SD-22-SS	WV5604-009	0.7	0.1
SD-23-SS	WV5604-010	0.68	0.1
SD-23-SSP	WV5604-010P	0.66	0.1
SD-23-SSS	WV5604-010S	0.68	0.1

PREPARATION LOG

Lab Name: Katahdin Analytical Services **QC Batch ID:** VJ26ICS0

Matrix: SOIL **SDG Name:** MID-5

Method: P **Prep Date:** 10/26/2005

Client ID	Lab Sample ID	Initial (g)	Final (L)
LC2OVJ26ICS0	LC2OVJ26ICS0	1	0.1
LCSOVJ26ICS0	LCSOVJ26ICS0	1	0.1
PBSVJ26ICS0	PBSVJ26ICS0	1	0.1
SD-13-SS	WV5583-001	1.47	0.1
SD-13-01	WV5583-002	1.4	0.1
SD-13-02	WV5583-003	1.7	0.1
SD-14-SS	WV5583-004	1.25	0.1
SD-14-01	WV5583-005	1.23	0.1
SD-14-02	WV5583-006	1.31	0.1
SD-16-SS	WV5583-007	1.29	0.1
SD-16-01	WV5583-008	1.2	0.1
SD-16-02	WV5583-009	1.08	0.1
SD-15-SS	WV5604-001	1.29	0.1
SD-17-SS	WV5604-002	1.11	0.1
SD-18-SS	WV5604-003	1.33	0.1
SD-19-SS	WV5604-004	1.29	0.1
SD-19-01	WV5604-005	1.26	0.1
SD-19-02	WV5604-006	1.34	0.1
SD-20-SS	WV5604-007	1.43	0.1
SD-21-SS	WV5604-008	1.21	0.1
SD-22-SS	WV5604-009	1.33	0.1
SD-23-SS	WV5604-010	1.42	0.1

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** MID-5

Instrument ID: TJA TRACE ICP **File Name:** AVK02A

Date: 11/2/05 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements																				
S0		1	11:17	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	Se	Ag	Tl	V	Zn
S1		1	11:24	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	Se	Ag	Tl	V	Zn
AL_IEC		1	11:34	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	Se	Ag	Tl	V	Zn
FE_IEC		1	11:41	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	Se	Ag	Tl	V	Zn
MN_IEC		1	11:48	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	Se	Ag	Tl	V	Zn
IEC		1	11:56	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	Se	Ag	Tl	V	Zn
ICV		1	12:03	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	Se	Ag	Tl	V	Zn
ICB		1	12:10	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	Se	Ag	Tl	V	Zn
PQL		1	12:17	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	Se	Ag	Tl	V	Zn
0.1PPM CA,MG		1	12:24	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	Se	Ag	Tl	V	Zn
CRI		1	12:32	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	Se	Ag	Tl	V	Zn
ICSA		1	12:39	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	Se	Ag	Tl	V	Zn
ICSAB		1	12:46	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	Se	Ag	Tl	V	Zn
CCV		1	12:53	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	Se	Ag	Tl	V	Zn
CCB		1	13:00	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	Se	Ag	Tl	V	Zn
ZZZZZZ		1	13:07																				
ZZZZZZ		5	13:15																				
ZZZZZZ		1	13:22																				
ZZZZZZ		1	13:29																				
LC2OVJ26ICS0		1	13:36		Sb	As	Ba	Be	Cd		Cr	Co	Cu		Pb		Mo	Ni	Se	Ag	Tl	V	Zn
LCSOVJ26ICS0		1	13:43		Sb	As	Ba	Be	Cd		Cr	Co	Cu		Pb		Mo	Ni	Se	Ag	Tl	V	Zn
PBSVJ26ICS0		1	13:56		Sb	As	Ba	Be	Cd		Cr	Co	Cu		Pb		Mo	Ni	Se	Ag	Tl	V	Zn
WV5583-001	SD-13-SS	1	14:03		Sb	As	Ba	Be	Cd		Cr	Co	Cu		Pb		Mo	Ni	Se	Ag	Tl	V	Zn
WV5583-002	SD-13-01	1	14:10		Sb	As	Ba	Be	Cd		Cr	Co	Cu		Pb		Mo	Ni	Se	Ag	Tl	V	Zn
WV5583-003	SD-13-02	1	14:18		Sb	As	Ba	Be	Cd		Cr	Co	Cu		Pb		Mo	Ni	Se	Ag	Tl	V	Zn
CCV		1	14:25	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	Se	Ag	Tl	V	Zn
CCB		1	14:35	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	Se	Ag	Tl	V	Zn
WV5583-004	SD-14-SS	1	14:43		Sb	As	Ba	Be	Cd		Cr	Co	Cu		Pb		Mo	Ni	Se	Ag	Tl	V	Zn
WV5583-005	SD-14-01	1	14:50		Sb	As	Ba	Be	Cd		Cr	Co	Cu		Pb		Mo	Ni	Se	Ag	Tl	V	Zn
WV5583-006	SD-14-02	1	14:57		Sb	As	Ba	Be	Cd		Cr	Co	Cu		Pb		Mo	Ni	Se	Ag	Tl	V	Zn
WV5583-007	SD-16-SS	1	15:04		Sb	As	Ba	Be	Cd		Cr	Co	Cu		Pb		Mo	Ni	Se	Ag	Tl	V	Zn
WV5583-008	SD-16-01	1	15:11		Sb	As	Ba	Be	Cd		Cr	Co	Cu		Pb		Mo	Ni	Se	Ag	Tl	V	Zn
WV5583-009	SD-16-02	1	15:18		Sb	As	Ba	Be	Cd		Cr	Co	Cu		Pb		Mo	Ni	Se	Ag	Tl	V	Zn
WV5604-001	SD-15-SS	1	15:26		Sb	As	Ba	Be	Cd		Cr	Co	Cu		Pb		Mo	Ni	Se	Ag	Tl	V	Zn
WV5604-002	SD-17-SS	1	15:33		Sb	As	Ba	Be	Cd		Cr	Co	Cu		Pb		Mo	Ni	Se	Ag	Tl	V	Zn
WV5604-003	SD-18-SS	1	15:40		Sb	As	Ba	Be	Cd		Cr	Co	Cu		Pb		Mo	Ni	Se	Ag	Tl	V	Zn
WV5604-004	SD-19-SS	1	15:47		Sb	As	Ba	Be	Cd		Cr	Co	Cu		Pb		Mo	Ni	Se	Ag	Tl	V	Zn
CCV		1	15:54	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	Se	Ag	Tl	V	Zn
CCB		1	16:01	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	Se	Ag	Tl	V	Zn
WV5604-005	SD-19-01	1	16:09		Sb	As	Ba	Be	Cd		Cr	Co	Cu		Pb		Mo	Ni	Se	Ag	Tl	V	Zn
WV5604-006	SD-19-02	1	16:16		Sb	As	Ba	Be	Cd		Cr	Co	Cu		Pb		Mo	Ni	Se	Ag	Tl	V	Zn
WV5604-007	SD-20-SS	1	16:23		Sb	As	Ba	Be	Cd		Cr	Co	Cu		Pb		Mo	Ni	Se	Ag	Tl	V	Zn
WV5604-008	SD-21-SS	1	16:30		Sb	As	Ba	Be	Cd		Cr	Co	Cu		Pb		Mo	Ni	Se	Ag	Tl	V	Zn
WV5604-009	SD-22-SS	1	16:37		Sb	As	Ba	Be	Cd		Cr	Co	Cu		Pb		Mo	Ni	Se	Ag	Tl	V	Zn
WV5604-010	SD-23-SS	1	16:44		Sb	As	Ba	Be	Cd		Cr	Co	Cu		Pb		Mo	Ni	Se	Ag	Tl	V	Zn
ZZZZZZ		1	16:52																				
CRI		1	16:59	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	Se	Ag	Tl	V	Zn
ICSA		1	17:06	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	Se	Ag	Tl	V	Zn
ICSAB		1	17:13	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	Se	Ag	Tl	V	Zn
CCV		1	17:20	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	Se	Ag	Tl	V	Zn

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** MID-5

Instrument ID: TJA TRACE ICP **File Name:** AVK02A

Date: 11/2/05 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements																			
CCB		1	17:27	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	Se	Ag	Tl	V	Zn

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** MID-5

Instrument ID: CETAC M6100 **File Name:** HVJ25A

Date: 10/25/05 **Method:** CV

Lab Sample ID	Client ID	D.F.	Time	Elements
Calibration Blank		1	15:01	Hg
Standard #1 (0.2 p		1	15:03	Hg
Standard #2 (0.5 p		1	15:05	Hg
Standard #3 (1.0 p		1	15:07	Hg
Standard #4 (5.0 p		1	15:10	Hg
Standard #5 (10.0		1	15:12	Hg
ICV		1	15:14	HG
ICB		1	15:16	HG
CRA		1	15:18	HG
LCSOVJ24HGS0		1	15:20	HG
LC2OVJ24HGS0		1	15:22	HG
PBSVJ24HGS0		1	15:24	HG
ZZZZZZ		1	15:26	
ZZZZZZ		1	15:29	
ZZZZZZ		1	15:31	
WV5583-001	SD-13-SS	1	15:33	HG
WV5583-002	SD-13-01	1	15:35	HG
WV5583-003	SD-13-02	1	15:37	HG
CCV		1	15:39	HG
CCB		1	15:41	HG
WV5583-004	SD-14-SS	1	15:43	HG
WV5583-005	SD-14-01	1	15:46	HG
WV5583-006	SD-14-02	1	15:48	HG
WV5583-007	SD-16-SS	1	15:50	HG
WV5583-008	SD-16-01	1	15:52	HG
ZZZZZZ		1	15:54	
ZZZZZZ		1	15:56	
CCV		1	15:58	HG
CCB		1	16:00	HG
WV5583-009	SD-16-02	2	16:08	HG
ZZZZZZ		1	16:10	
CCV		1	16:12	HG
CCB		1	16:14	HG

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** MID-5

Instrument ID: CETAC M6100 **File Name:** HVJ28A

Date: 10/28/05 **Method:** CV

Lab Sample ID	Client ID	D.F.	Time	Elements
Calibration Blank		1	12:30	Hg
Standard #1 (0.2 p		1	12:32	Hg
Standard #2 (0.5 p		1	12:34	Hg
Standard #3 (1.0 p		1	12:36	Hg
Standard #4 (5.0 p		1	12:39	Hg
Standard #5 (10.0		1	12:41	Hg
ICV		1	12:43	HG
ICB		1	12:45	HG
CRA		1	12:47	HG
LCSOVJ27HGS0		1	12:49	HG
LC2OVJ27HGS0		1	12:51	HG
PBSVJ27HGS0		1	12:53	HG
WV5604-001	SD-15-SS	1	12:55	HG
WV5604-002	SD-17-SS	1	12:58	HG
WV5604-003	SD-18-SS	1	13:00	HG
WV5604-004	SD-19-SS	1	13:02	HG
WV5604-005	SD-19-01	1	13:04	HG
WV5604-006	SD-19-02	1	13:06	HG
CCV		1	13:08	HG
CCB		1	13:10	HG
WV5604-007	SD-20-SS	1	13:12	HG
WV5604-008	SD-21-SS	1	13:15	HG
WV5604-009	SD-22-SS	1	13:17	HG
WV5604-010	SD-23-SS	1	13:19	HG
WV5604-010S	SD-23-SSS	1	13:21	HG
WV5604-010P	SD-23-SSP	1	13:23	HG
ZZZZZZ		1	13:25	
CCV		1	13:27	HG
CCB		1	13:29	HG

FORM XIV - IN

Katahdin
ANALYTICAL SERVICES

ACCREDITED IN ACCORDANCE WITH
nelac
Cert No E87604

Quality Control Report

Blank Sample Summary Report

Chromium, Hexavalent

Samp Type	QC Batch	Anal. Method	Anal. Date	Prep. Date	Result	PQL
MBLANK	WG22044	SW846 7196A	25-OCT-05	25-OCT-05	U 0.50 mg/Kgdrywt	.5 mg/Kgdryw

Total Solids

Samp Type	QC Batch	Anal. Method	Anal. Date	Prep. Date	Result	PQL
MBLANK	WG21982	CLP SOW 788	25-OCT-05	24-OCT-05	U 1 %	1 %

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Quality Control Report

Blank Sample Summary Report

Chromium, Hexavalent

Samp Type	QC Batch	Anal. Method	Anal. Date	Prep. Date	Result	PQL
MBLANK	WG22103	SW846 7196A	27-OCT-05	26-OCT-05	U 0.50 mg/Kgdrywt	.5 mg/Kgdryw

TOC in Soil

Samp Type	QC Batch	Anal. Method	Anal. Date	Prep. Date	Result	PQL
MBLANK	WG22116	Lloyd Kahn	27-OCT-05	N/A	U 400 ug/g	400 ug/g
MBLANK	WG22228	Lloyd Kahn	28-OCT-05	N/A	U 400 ug/g	400 ug/g
MBLANK	WG22229	Lloyd Kahn	29-OCT-05	N/A	U 400 ug/g	400 ug/g

Total Solids

Samp Type	QC Batch	Anal. Method	Anal. Date	Prep. Date	Result	PQL
MBLANK	WG21980	CLP SOW 788	25-OCT-05	24-OCT-05	U 1 %	1 %

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Quality Control Report

Laboratory Control Sample Summary Report

Chromium, Hexavalent

Lab Sample Id	Samp Type	QC Batch	Analysis Date	Prep Date	Units	Spike Amt.	Result	Recovery	Acceptance Range	RPD
WG22044-2	LCS	WG22044	25-OCT-05	25-OCT-05	mg/Kgdrywt	40	38.	94	80-120	

Total Solids

Lab Sample Id	Samp Type	QC Batch	Analysis Date	Prep Date	Units	Spike Amt.	Result	Recovery	Acceptance Range	RPD
WG21982-2	LCS	WG21982	25-OCT-05	24-OCT-05	%	90	90.	100	80-120	

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Quality Control Report

Laboratory Control Sample Summary Report

Chromium, Hexavalent

Lab Sample Id	Samp Type	QC Batch	Analysis Date	Prep Date	Units	Spike Amt.	Result	Recovery	Acceptance Range	RPD
WG22103-2	LCS	WG22103	27-OCT-05	26-OCT-05	mg/Kgdrywt	40	39.	98	80-120	

TOC In Soil

Lab Sample Id	Samp Type	QC Batch	Analysis Date	Prep Date	Units	Spike Amt.	Result	Recovery	Acceptance Range	RPD
WG22116-2	LCS	WG22116	27-OCT-05	N/A	ug/g	400000.000	440000	110	80-120	
WG22228-2	LCS	WG22228	28-OCT-05	N/A	ug/g	400000.000	470000	117	80-120	
WG22229-2	LCS	WG22229	29-OCT-05	N/A	ug/g	400000.000	470000	118	80-120	

Total Solids

Lab Sample Id	Samp Type	QC Batch	Analysis Date	Prep Date	Units	Spike Amt.	Result	Recovery	Acceptance Range	RPD
WG21980-2	LCS	WG21980	25-OCT-05	24-OCT-05	%	90	89.	99	80-120	
WG21980-3	LCSD	WG21980	25-OCT-05	24-OCT-05	%	90	89.	99	80-120	

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Quality Control Report

Duplicate Sample Summary Report

Chromium, Hexavalent

Duplicate Sample ID	Original Sample ID	QC Batch	Analysis Date	Result Units	Sample Result	Duplicate Result	RPD(%)	RPD Limit
WG22044-4	WV5583-9	WG22044	25-OCT-05	mg/Kgdrywt	U 1.6	U 1.6	NC	20

Total Solids

Duplicate Sample ID	Original Sample ID	QC Batch	Analysis Date	Result Units	Sample Result	Duplicate Result	RPD(%)	RPD Limit
WG21982-3	WV5583-6	WG21982	25-OCT-05	%	48.	48.	0	20
WG21982-4	WV5583-9	WG21982	25-OCT-05	%	32.	33.	4	20

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Quality Control Report

Duplicate Sample Summary Report

Total Solids

Duplicate Sample ID	Original Sample ID	QC Batch	Analysis Date	Result Units	Sample Result	Duplicate Result	RPD(%)	RPD Limit
WG21980-5	WV5604-2	WG21980	25-OCT-05	%	25.	25.	1	20

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Quality Control Report

Matrix Spike Sample Summary Report

Chromium, Hexavalent

Matrix Spike Sample ID	Sample Type	Original Sample ID	QC Batch	Analysis Date	Result Units	Spike Amount	Sample Result	MS Result	Recovery (%)	Recovery Limit
WG22044-3	MS	WV5583-9	WG22044	25-OCT-05	mg/Kgdrywt	5723.51	U 1.6	1900	33*	75 - 125

Elem	2203/2	1960/1	1960/2
Units			
Avge	.34061	-.00390	.00488
SDev	.00943	.00109	.00182
%RSD	2.7679	27.883	37.312
#1	.33395	-.00467	.00359
#2	.34728	-.00313	.00616

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	360.063	--	--	--	--	--	--
Avge	44707	--	--	--	--	--	--
SDev	905.0967	--	--	--	--	--	--
%RSD	2.024508	--	--	--	--	--	--
#1	44067	--	--	--	--	--	--
#2	45347	--	--	--	--	--	--

Method: NONAK Sample Name: WV5583-008 Operator:
Run Time: 11/02/05 15:11:41 SD-1601 EWF 11/11/05
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al	As	Ba	Be	B	Cd	Ca
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	53.839	.02517	.27340	.00823	.03940	.10189	21.457
SDev	.013	.00259	.00065	.00026	.00028	.00032	.073
%RSD	.02437	10.272	.23956	3.1741	.71504	.30991	.33988
#1	53.829	.02334	.27387	.00805	.03920	.10167	21.405
#2	53.848	.02700	.27294	.00842	.03959	.10211	21.509

Elem	Cr	Co	Cu	Fe	Mg	Mn	Mo
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	1.6846	.06756	.41503	120.75	26.576	1.2656	.00685
SDev	.0006	.00048	.00148	.18	.082	.0006	.00008
%RSD	.03522	.70674	.35573	.14797	.30916	.04452	1.1261
#1	1.6842	.06722	.41608	120.63	26.518	1.2652	.00691
#2	1.6850	.06790	.41399	120.88	26.634	1.2660	.00680

Elem	Ni	Ag	Sr	Tl	Sn	Ti	V
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.26257	.10381	.15189	.00810	.10881	1.1117	.42012
SDev	.00143	.00100	.00002	.00918	.00038	.0006	.00102
%RSD	.54418	.96134	.01593	113.35	.34421	.05384	.24260
#1	.26156	.10311	.15187	.00161	.10907	1.1121	.41940
#2	.26358	.10452	.15191	.01459	.10854	1.1113	.42084

Elem	Zn	Pb	Se	Sb	2068/1	2068/2	2203/1
Units	mg/L	mg/L	mg/L	mg/L			
Avge	1.8406	.95544	.00238	.00580	.00747	.00497	.94419
SDev	.0068	.00787	.00514	.00213	.00562	.00600	.01205

Pb= 0.95544mg/L x 1L/1000ml x 100ml/1.2g x 1000g/1kg x 1/0.317 = 251 mg/kg

%RSD	.36927	.82343	215.98	36.758	75.298	120.88	1.2764
#1	1.8454	.94988	.00602	.00731	.00349	.00921	.95271
#2	1.8358	.96100	-.00126	.00429	.01145	.00072	.93567

Elem	2203/2	1960/1	1960/2
Units			
Avge	.96106	-.00198	.00456
SDev	.01781	.00884	.00330
%RSD	1.8533	447.54	72.341
#1	.94846	.00428	.00689
#2	.97365	-.00823	.00223

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	360.063	--	--	--	--	--	--
Avge	45112	--	--	--	--	--	--
SDev	1001.970	--	--	--	--	--	--
%RSD	2.221048	--	--	--	--	--	--
#1	44404	--	--	--	--	--	--
#2	45821	--	--	--	--	--	--

Method: NONAK Sample Name: WV5583-009 Operator:
Run Time: 11/02/05 15:18:50
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al	As	Ba	Be	B	Cd	Ca
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	53.328	.00954	.35872	.00901	.03560	.19403	15.984
SDev	.044	.00186	.00101	.00022	.00008	.00032	.034
%RSD	.08201	19.449	.28087	2.3934	.23126	.16636	.21392
#1	53.359	.00823	.35944	.00886	.03566	.19380	15.960
#2	53.297	.01085	.35801	.00916	.03554	.19426	16.009

Elem	Cr	Co	Cu	Fe	Mg	Mn	Mo
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	3.7023	.06274	.32734	126.61	15.461	1.4460	.00668
SDev	.0031	.00053	.00033	.04	.040	.0014	.00060
%RSD	.08374	.84510	.10206	.03146	.25856	.09616	8.9274
#1	3.7045	.06237	.32758	126.64	15.433	1.4470	.00626
#2	3.7001	.06312	.32711	126.58	15.490	1.4450	.00710

Elem	Ni	Ag	Sr	Tl	Sn	Ti	V
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.18073	.08486	.15334	.00384	.13461	1.0024	.26930
SDev	.00074	.00112	.00021	.00870	.00149	.0012	.00071
%RSD	.40855	1.3168	.13840	226.78	1.1052	.11541	.26281
#1	.18021	.08407	.15349	-.00232	.13355	1.0032	.26980
#2	.18125	.08565	.15319	.00999	.13566	1.0016	.26880

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**M. MARTIN**	**DATE:**	**NOVEMBER 21, 2005**
FROM:	**BERNARD F SPADA III**	**COPIES:**	**DV FILE**

SUBJECT: **ORGANIC DATA VALIDATION- VOC/SVOC/PCB**
LOCKHEED MIDDLE RIVER
SDG MID-5

SAMPLES: 1/Aqueous

TB102005A

19/Sediment

SD-13-01	SD-13-02	SD-13-SS
SD-14-01	SD-14-02	SD-14-SS
SD-15-SS	SD-16-01	SD-16-02
SD-16-SS	SD-17-SS	SD-18-SS
SD-19-01	SD-19-02	SD-19-SS
SD-20-SS	SD-21-SS	SD-22-SS
SD-23-SS		

Overview

The sample set for Lockheed Middle River, SDG MID-5 consists of nineteen (19) environmental sediment samples and one (1) trip blank. All sediment samples were analyzed for volatile organic compounds (VOC), semivolatile organic compounds (SVOC) and polychlorinated biphenyls (PCB). The trip blank was analyzed for VOC only.

The samples were collected by Tetra Tech NUS on October 13, 20, and 21, 2005 and analyzed by Katahdin Analytical Services. All analyses were conducted in accordance with Quality Assurance/Quality Control (QA/QC) criteria using SW-846 8260B, 8270C, and 8082 analytical and reporting protocols. The data contained in this SDG were validated with regard to the following parameters: data completeness, holding times, initial/continuing calibrations, laboratory method blank results, surrogate spike recoveries, blank spike/blank spike duplicate results, internal standard recoveries, and detection limits. Areas of concern are listed below.

Major

- The VOC initial calibration performed on October 25, 2005 on the GCMS-Z instrument and all associated continuing calibrations were below the 0.05 RRF quality control criterion for tert-butyl alcohol, acetone, and 2-butanone. Positive and non-detected results for the aforementioned compounds not qualified for blank contamination were qualified as estimated (J) and rejected (UR) respectively, in all samples except SD-20-SS, SD-21-SS, SD-22-SS, and SD-23-SS.

- The VOC continuing calibration performed on October 20, 2005 on the GCMS-S instrument was below the 0.05 RRF quality control criterion for acetone and 2-butanone. Non-detected results for acetone and 2-butanone were rejected (UR) in the trip blank (TB102005A).

- The VOC continuing calibration performed on October 28 at 13:13 on the GCMS-S instrument was below the 0.05 RRF quality control criterion for acetone, tert-butyl alchohol, 2-chloroethylvinyl ether, and 2-butanone. Non-detected results for the aforementioned compounds were rejected (UR) in the trip blank (TB102005A).

- The VOC continuing calibration performed on October 26 at 15:59 on the GCMS-M instrument was below the 0.05 RRF quality control criterion for tert-butyl alcohol, 2-butanone, and acetone. Positive and non-detected results for the aforementioned compounds not qualified for blank contamination were qualified as estimated (J) and rejected (UR) respectively, in samples SD-20-SS, SD-21-SS, SD-22-SS, and SD-23-SS.

Minor

- The following compounds were detected in the solid method blanks:

Compound	Maximum Concentration	Blank Action Level
Acetone	6 µg/kg	60 µg/kg
Methylene chloride	5 µg/kg	50 µg/kg
Styrene	0.4 µg/kg	2.0 µg/kg
Trichloroethene	3 µg/kg	15 µg/kg
1,2,4-Trichlorobenzene	3.0 µg/kg	15 µg/kg

Sample aliquot and dilution factors were taken into consideration when applying the blank action levels. Positive results for the aforementioned compounds below the action level were qualified as non-detected (B). The trip blanks were not qualified for method blank contamination.

- The VOC surrogate p-bromofluorobenzene exceeded the percent recovery quality control criterion in sample SD-13-01. In addition, the internal standard 1,4-dichlorobenzene-d4 was below the percent recovery quality control criterion and was <25% recovery. The sample was re-analyzed with the surrogates dibromofluoromethane, 1,2-dichloroethane-d4, and toluene-d8 below the recovery criteria and all internal standards compliant. Furthermore, the sample was analyzed as a medium-level soil with all surrogates and internal standards compliant. However, the target compound detected in the low-level analyses was not detected in the medium-level analysis. The re-analysis at low-level was used for validation. Positive and non-detected results not previously rejected or qualified for blank contamination were qualified as biased low (L) and (UL) respectively, in sample SD-13-01.

- The VOC surrogates toluene-d8 and p-bromofluorobenzene exceeded the percent recovery quality control criteria in sample SD-13-02. The sample was re-analyzed with the surrogates dibromofluoromethane, 1,2-dichloroethane-d4, and toluene-d8 below the recovery criteria. In addition, the sample was analyzed as a medium-level soil. However, the target compounds detected in the low-level analyses was not detected in the medium-level analysis. The initial analysis was used for validation. Positive results were qualified as biased high (K) in sample SD-13-02.

- All VOC surrogates were below the percent recovery quality control criterion in sample SD-14-02. The sample was re-analyzed with similar results. The initial analysis was used for validation. Non-detected results not previously rejected or qualified for blank contamination were qualified as biased low (UL) in sample SD-14-02.

- The VOC surrogate dibromofluorobenzene was below the percent recovery quality control criterion in sample SD-18-SS. The sample was re-analyzed with similar results. The re-analysis was used for validation because the initial analysis was performed outside the 12-hour analytical shift. Positive and non-detected results not previously rejected or qualified for blank contamination were qualified as estimated (J) and (UJ) in sample SD-18-SS.

- The VOC internal standard 1,4-dichlorobenzene-d4 was below the percent recovery quality control criterion in sample SD-13-SS. The sample was re-analyzed with similar results. The initial analysis was used for validation. Positive and non-detected results for isopropylbenzene, bromobenzene, n-propylbenzene, 1,1,2,2-tetrachloroethane, 2-chlorotoluene, 1,2,3-trichloropropane, 4-chlorotoluene, tert-butylbenzene, 1,2,4-trimethylbenzene, 4-isopropyltoluene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, n-butylbenzene, sec-butylbenzene, 1,2-dichlorobenzene, 1,2-dibromo-3-chloropropane, hexachlorobutadiene, 1,2,4-trichlorobenzene, 1,2,3-trimethylbenzene, naphthalene, and 1,2,3-trichlorobenzene were qualified as estimated (UJ) in sample SD-13-SS.

- The SVOC continuing calibration performed on October 28 at 13:26 on the GCMS-X instrument exceeded the 25% (and was >50%) difference quality control criterion for benzyl alcohol. Non-detected results for benzyl alcohol were qualified as estimated (UJ) in samples SD-13-SS, SD-13-01, SD-13-02, SD-14-SS, SD-14-01, SD-14-02, SD-16-SS, and SD-16-01.

- The SVOC internal standards phenanthrene-d10, chrysene-d12, and perylene-d12 were below the percent recovery quality control criterion in samples SD-13-01, SD-13-02, and SD-16-01. The samples were re-analyzed at 2X, 3X, and 2X dilutions respectively. The internal standards chrysene-d12 and perylene-d12 were below the percent recovery quality control criterion in the diluted analyses of SD-13-01 and SD-13-02. All internal standards were compliant in the diluted analysis of sample SD-16-01. The original analyses were used for validation with the exception of pyrene in SD-13-01 and SD-13-02 because the results exceeded the linear calibration range of the instrument in the un-diluted analyses. Positive and non-detected results for 4,6-dinitro-2-methylphenol, N-nitrosodiphenylamine, 4-bromophenylphenyl ether, hexachlorobenzene, pentachlorophenol, phenanthrene, anthracene, carbazole, di-n-butylphthalate, fluoranthene, benzidine, pyrene, butylbenzylphthalate, benzo(a)anthracene, 3,3'-dichlorobenzidine, chrysene, bis(2-ethylhexyl)phthalate, di-n-octylphthalate, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, indeno(1,2,3-cd)pyrene, dibenzo(a,h)anthracene, and benzo(g,h,i)perylene were qualified as estimated (J) and (UJ) respectively, in the aforementioned samples.

- The SVOC internal standards chrysene-d12 and perylene-d12 were below the percent recovery quality control criterion in samples SD-13-SS, SD-15-SS, SD-16-02, SD-19-02, SD-22-SS, SD-23-SS, SD-17-SS, SD-18-SS, and SD-19-SS. The samples were not re-analyzed. Positive and non-detected results for benzidine, pyrene, butylbenzylphthalate, benzo(a)anthracene, chrysene, 3,3'-dichlorobenzidine, bis(2-ethylhexyl)phthalate, di-n-octylphthalate, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, indeno(1,2,3-cd)pyrene, dibenzo(a,h)anthracene, and benzo(g,h,i)perylene were qualified as estimated (J) and (UJ) respectively, in the aforementioned samples.

- The SVOC internal standard perylene-d12 was below the percent recovery quality control criterion in samples SD-20-SS, SD-21-SS, and SD-19-01. Positive and non-detected results for di-n-octylphthalate, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, indeno(1,2,3-cd)pyrene, dibenzo(a,h)anthracene, and benzo(g,h,i)perylene were qualified as estimated (J) and (UJ) respectively, in the aforementioned samples.

- The PCB continuing calibration performed on October 31 at 02:29 exceeded the 15% (but was <30%) difference quality control criterion for Aroclor 1016 and Aroclor 1260 on both columns. No action was taken for Aroclor 1016 on this basis because all results were non-detected. Positive results for Aroclor 1260 were qualified as estimated (J) in samples SD-17-SS, SD-18-SS, SD-19-SS, SD-19-01, SD-19-02, SD-20-SS, SD-21-SS, SD-22-SS, and SD-23-SS.

- Positive and non-detected results were qualified as estimated (J) and (UJ) in samples with percent solids <30%.

- Positive results below the reporting limit were qualified as estimated (J) due to uncertainty near the detection limit.

Notes

The VOC initial calibration performed on October 31, 2005 on the GCMS-F instrument and the associated continuing calibration were below the 0.05 RRF quality control criterion for acetone. No action was taken on this basis because no samples associated with this calibration were used for validation.

The VOC continuing calibration performed on November 2 at 22:14 on the GCMS-F instrument was below the 0.05 RRF quality control criterion for tert-butyl alcohol, acetone, and 2-butanone. No action was taken on this basis because no samples associated with this calibration were used for validation.

The VOC continuing calibrations performed on October 25 at 12:44 and October 26 at 06:47 on the GCMS-Z instrument exceeded the 25% (but was <50%) difference quality control criterion for 1,2,3-trichloropropane. No action was taken on this basis because all associated results for 1,2,3-trichloropropane were non-detected.

The VOC continuing calibration performed on October 27 at 06:26 on the GCMS-Z instrument exceeded the 25% (but was <50%) difference quality control criterion for naphthalene and 1,2,3-trichloropropane. No action was taken on this basis because all associated results for naphthalene and 1,2,3-trichloropropane were non-detected.

The VOC continuing calibration performed on October 28 at 13:13 on the GCMS-S instrument exceeded the 25% (but was <50%) difference quality control criterion for naphthalene and 1,2,3-trichlorobenzene. No action was taken on this basis because all associated results for the aforementioned compounds were non-detected.

The VOC continuing calibration performed on October 26 at 15:59 on the GCMS-M instrument exceeded the 25% (but was <50%) difference quality control criterion for ethyl tert-butyl ether, acetone, 2-butanone, tert-butylbenzene, sec-butylbenznene, and tert-butyl alcohol. No action was taken on this basis because the associated results for the aforementioned compounds were non-detected or rejected for RRF non-compliance.

The VOC continuing calibration performed on November 2 at 22:14 exceeded the 25% (but was <50%) difference quality control criterion for tert-butyl alcohol, trichloroethene, 4-methyl-2-pentanone, 1,1,2,2-tetrachloroethane, 1,2,3-trichloropropane, and 1,2-dibromo-3-chloropropane. No action was taken on this basis because all associated results for the aforementioned compounds were non-detected.

Minor blank spike recovery non-compliances were noted in the VOC fraction. No action was taken on this basis because the non-compliances varied in the different LCS samples.

An MS/MSD was not performed with the VOC fraction of this SDG. No action was taken on this basis. This item is noted as a completeness issue.

According to the laboratory narrative, volatile sample SD-14-01 was analyzed three times. The first two analyses used 5 grams of sample and "resulted in non-useable data" and the third analysis used 1 gram of sample. The validator could only verify the third analysis because the first two analyses were not reported. This accounts for the elevated reporting limits for all non-detected compounds in sample SD-14-01. No action was taken on this basis.

The SVOC continuing calibration performed on October 28 at 13:26 on the GCMS-X instrument exceeded the 25% (but was <50%) difference quality control criterion for benzoic acid and benzidine. No action was taken on this basis because all associated results for the aforementioned compounds were non-detected.

The SVOC continuing calibration performed on October 30 at 18:27 on the GCMS-X instrument exceeded the 25% (but was <50%) difference quality control criterion for benzoic acid. No action was taken on this basis because all associated results for benzoic acid were non-detected.

The SVOC continuing calibration performed on November 1 at 15:05 on the GCMS-X instrument was not summarized because no results associated with this calibration were used for validation.

The SVOC surrogate terphenyl-d14 was outside the percent recovery quality control criterion in samples SD-14-SS, SD-16-SS, SD-13-SS, SD-16-01, SD-20-SS, SD-21-SS, SD-19-01, the diluted analysis of sample SD-13-02, both method blanks, and the LCSD (WG21993-LCSD). No action was taken on this basis because only one surrogate was non-compliant.

The SVOC surrogate phenol-d6 exceeded the percent recovery quality control criterion in sample SD-13-02. No action was taken on this basis because only one surrogate was non-compliant.

Several minor LCS percent recovery non-compliances were noted in the SVOC fraction. No action was taken on this basis because the non-compliances varied in the different LCS samples.

The PCB continuing calibration performed on October 28 at 03:59 exceeded the 15% (but was <30%) difference quality control criterion for Aroclor 1016 on both columns and for Aroclor 1260 on the RTX-35 column. No action was taken on this basis because all results for Aroclor 1016 were non-detected and the RTX-5 column was compliant for Aroclor 1260.

The PCB surrogate tetrachloro-m-xylene exceeded the percent recovery quality control criterion on the RTX-5 column in all LCS/LCSD samples and the method blank (WG22175-BLANK). In addition, tetrachloro-m-xylene exceeded the recovery criterion on the RTX-35 column in the LCS (WG1992-LCS). No action was taken on this basis.

The PCB surrogate decachlorobiphenyl exceeded the percent recovery quality control criterion on the RTX-35 column in samples SD-13-01 and SD-13-02. No action was taken on this basis because the three remaining surrogate recoveries were compliant.

The percent recovery of Aroclor 1260 exceeded the quality control criterion in the LCSD (WG22175-LCS). No action was taken on this basis because the LCS was compliant.

Executive Summary

Laboratory Performance: Qualifications were made based on calibration non-compliances, method blank contamination, surrogate recovery non-compliances, and internal standard non-compliances.

Other Factors Affecting Data Quality: None.

The data for these analyses were reviewed with reference to Region III modifications to U.S. EPA National Functional Guidelines for Data Validation (9/94). The text of this report has been formulated to address only those problem areas affecting data quality.

Tetra Tech NUS
Bernard F Spada III
Chemist/Data Validator

Tetra Tech NUS
Joseph A. Samchuck
Quality Assurance Officer

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

Appendix A

Qualified Analytical Results

PROJ_NO: 00275

SDG: MID-5 MEDIA: WATER DATA FRACTION: OV

nsample	TB102005A
samp_date	10/13/2005
lab_id	WV5583-10
qc_type	NM
units	UG/L
Pct_Solids	0.0
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-TRICHLOROTRIFLUOROETHANE	1	U	
1,1-DICHLOROETHANE	1	U	
1,1-DICHLOROETHENE	1	U	
1,1-DICHLOROPROPENE	1	U	
1,2,3-TRICHLOROBENZENE	1	U	
1,2,3-TRICHLOROPROPANE	1	U	
1,2,3-TRIMETHYLBENZENE	1	U	
1,2,4-TRICHLOROBENZENE	1	U	
1,2,4-TRIMETHYLBENZENE	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	
1,3-DICHLOROPROPANE	1	U	
1,4-DICHLOROBENZENE	1	U	
2,2-DICHLOROPROPANE	1	U	
2-BUTANONE	5	UR	C
2-CHLOROETHYL VINYL ETHER	1	UR	C
2-CHLOROTOLUENE	1	U	
2-HEXANONE	5	U	
4-CHLOROTOLUENE	1	U	
4-ISOPROPYLTOLUENE	1	U	
4-METHYL-2-PENTANONE	5	U	
ACETONE	5	UR	C
BENZENE	1	U	
BROMOBENZENE	1	U	
BROMOCHLOROMETHANE	1	U	

nsample	TB102005A
samp_date	10/13/2005
lab_id	WV5583-10
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BROMODICHLOROMETHANE	1	U	
BROMOFORM	1	U	
BROMOMETHANE	2	U	
CARBON DISULFIDE	1	U	
CARBON TETRACHLORIDE	1	U	
CHLOROBENZENE	1	U	
CHLORODIBROMOMETHANE	1	U	
CHLOROETHANE	2	U	
CHLOROFORM	1	U	
CHLOROMETHANE	2	U	
CIS-1,2-DICHLOROETHENE	1	U	
CIS-1,3-DICHLOROPROPENE	1	U	
DIBROMOMETHANE	1	U	
DICHLORODIFLUOROMETHANE	2	U	
DIISOPROPYL ETHER	1	U	
ETHYL TERT-BUTYL ETHER	1	U	
ETHYLBENZENE	1	U	
HEXACHLOROBUTADIENE	1	U	
ISOPROPYLBENZENE	1	U	
M+P-XYLENES	2	U	
METHYL TERT-BUTYL ETHER	2	U	
METHYLENE CHLORIDE	2	U	
NAPHTHALENE	1	U	
N-BUTYLBENZENE	1	U	
N-PROPYLBENZENE	1	U	
O-XYLENE	1	U	
SEC-BUTYLBENZENE	1	U	
STYRENE	1	U	
TERT-AMYL METHYL ETHER	1	U	
TERT-BUTYLBENZENE	1	U	
TERTIARY-BUTYL ALCOHOL	5	UR	C
TETRACHLOROETHENE	1	U	

nsample	TB102005A
samp_date	10/13/2005
lab_id	WV5583-10
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOLUENE	1	U	
TOTAL 1,2-DICHLOROETHENE	2	U	
TOTAL XYLENES	3	U	
TRANS-1,2-DICHLOROETHENE	1	U	
TRANS-1,3-DICHLOROPROPENE	1	U	
TRICHLOROETHENE	1	U	
TRICHLOROFLUOROMETHANE	2	U	
VINYL ACETATE	1	U	
VINYL CHLORIDE	2	U	

PROJ_NO: 00275

SDG: MID-5 MEDIA: SOIL DATA FRACTION: OV

nsample	SD-13-01RA	nsample	SD-13-01RA	nsample	SD-13-01RA
samp_date	10/20/2005	samp_date	10/20/2005	samp_date	10/20/2005
lab_id	WV5583-2RA	lab_id	WV5583-2RA	lab_id	WV5583-2RA
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	32.3	Pct_Solids	32.3	Pct_Solids	32.3
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	15	UL	R
1,1,1-TRICHLOROETHANE	15	UL	R
1,1,2,2-TETRACHLOROETHANE	15	UL	R
1,1,2-TRICHLOROTRIFLUOROETHANE	15	UL	R
1,1-DICHLOROETHANE	15	UL	R
1,1-DICHLOROETHENE	15	UL	R
1,1-DICHLOROPROPENE	15	UL	R
1,2,3-TRICHLOROBENZENE	15	UL	R
1,2,3-TRICHLOROPROPANE	15	UL	R
1,2,3-TRIMETHYLBENZENE	15	UL	R
1,2,4-TRICHLOROBENZENE	15	UL	R
1,2,4-TRIMETHYLBENZENE	15	UL	R
1,2-DIBROMO-3-CHLOROPROPANE	15	UL	R
1,2-DIBROMOETHANE	15	UL	R
1,2-DICHLOROBENZENE	15	UL	R
1,2-DICHLOROETHANE	15	UL	R
1,2-DICHLOROPROPANE	15	UL	R
1,3-DICHLOROBENZENE	15	UL	R
1,3-DICHLOROPROPANE	15	UL	R
1,4-DICHLOROBENZENE	15	UL	R
2,2-DICHLOROPROPANE	15	UL	R
2-BUTANONE	76	UR	C
2-CHLOROETHYL VINYL ETHER	15	UL	R
2-CHLOROTOLUENE	15	UL	R
2-HEXANONE	76	UL	R
4-CHLOROTOLUENE	15	UL	R
4-ISOPROPYLTOLUENE	15	UL	R
4-METHYL-2-PENTANONE	76	UL	R
ACETONE	76	B	A
BENZENE	15	UL	R
BROMOBENZENE	15	UL	R
BROMOCHLOROMETHANE	15	UL	R

Parameter	Result	Val Qual	Qual Code
BROMODICHLOROMETHANE	15	UL	R
BROMOFORM	15	UL	R
BROMOMETHANE	30	UL	R
CARBON DISULFIDE	15	UL	R
CARBON TETRACHLORIDE	15	UL	R
CHLOROBENZENE	15	UL	R
CHLORODIBROMOMETHANE	15	UL	R
CHLOROETHANE	30	UL	R
CHLOROFORM	15	UL	R
CHLOROMETHANE	30	UL	R
CIS-1,2-DICHLOROETHENE	15	UL	R
CIS-1,3-DICHLOROPROPENE	15	UL	R
DIBROMOMETHANE	15	UL	R
DICHLORODIFLUOROMETHANE	30	UL	R
DIISOPROPYL ETHER	15	UL	R
ETHYL TERT-BUTYL ETHER	15	UL	R
ETHYLBENZENE	15	UL	R
HEXACHLOROBUTADIENE	15	UL	R
ISOPROPYLBENZENE	3	J	PR
M+P-XYLENES	30	UL	R
METHYL TERT-BUTYL ETHER	30	UL	R
METHYLENE CHLORIDE	15	B	A
NAPHTHALENE	15	UL	R
N-BUTYLBENZENE	15	UL	R
N-PROPYLBENZENE	15	UL	R
O-XYLENE	15	UL	R
SEC-BUTYLBENZENE	20	L	R
STYRENE	15	UL	R
TERT-AMYL METHYL ETHER	15	UL	R
TERT-BUTYLBENZENE	15	UL	R
TERTIARY-BUTYL ALCOHOL	30	UR	C
TETRACHLOROETHENE	15	UL	R

Parameter	Result	Val Qual	Qual Code
TOLUENE	15	UL	R
TOTAL 1,2-DICHLOROETHENE	30	UL	R
TOTAL XYLENES	46	UL	R
TRANS-1,2-DICHLOROETHENE	15	UL	R
TRANS-1,3-DICHLOROPROPENE	15	UL	R
TRICHLOROETHENE	15	UL	R
TRICHLOROFLUOROMETHANE	30	UL	R
VINYL ACETATE	15	UL	R
VINYL CHLORIDE	30	UL	R

PROJ_NO: 00275

SDG: MID-5 MEDIA: SOIL DATA FRACTION: OV

nsample	SD-13-02
samp_date	10/20/2005
lab_id	WV5583-3
qc_type	NM
units	UG/KG
Pct_Solids	41.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	12	U	
1,1,1-TRICHLOROETHANE	12	U	
1,1,2,2-TETRACHLOROETHANE	12	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	12	U	
1,1-DICHLOROETHANE	12	U	
1,1-DICHLOROETHENE	12	U	
1,1-DICHLOROPROPENE	12	U	
1,2,3-TRICHLOROBENZENE	12	U	
1,2,3-TRICHLOROPROPANE	12	U	
1,2,3-TRIMETHYLBENZENE	12	U	
1,2,4-TRICHLOROBENZENE	12	U	
1,2,4-TRIMETHYLBENZENE	12	U	
1,2-DIBROMO-3-CHLOROPROPANE	12	U	
1,2-DIBROMOETHANE	12	U	
1,2-DICHLOROBENZENE	12	U	
1,2-DICHLOROETHANE	12	U	
1,2-DICHLOROPROPANE	12	U	
1,3-DICHLOROBENZENE	12	U	
1,3-DICHLOROPROPANE	12	U	
1,4-DICHLOROBENZENE	12	U	
2,2-DICHLOROPROPANE	12	U	
2-BUTANONE	61	UR	C
2-CHLOROETHYL VINYL ETHER	12	U	
2-CHLOROTOLUENE	12	U	
2-HEXANONE	61	U	
4-CHLOROTOLUENE	12	U	
4-ISOPROPYLTOLUENE	12	U	
4-METHYL-2-PENTANONE	61	U	
ACETONE	120	B	A
BENZENE	12	U	
BROMOBENZENE	12	U	
BROMOCHLOROMETHANE	12	U	

nsample	SD-13-02
samp_date	10/20/2005
lab_id	WV5583-3
qc_type	NM
units	UG/KG
Pct_Solids	41.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BROMODICHLOROMETHANE	12	U	
BROMOFORM	12	U	
BROMOMETHANE	24	U	
CARBON DISULFIDE	12	U	
CARBON TETRACHLORIDE	12	U	
CHLOROBENZENE	12	U	
CHLORODIBROMOMETHANE	12	U	
CHLOROETHANE	24	U	
CHLOROFORM	12	U	
CHLOROMETHANE	24	U	
CIS-1,2-DICHLOROETHENE	12	U	
CIS-1,3-DICHLOROPROPENE	12	U	
DIBROMOMETHANE	12	U	
DICHLORODIFLUOROMETHANE	24	U	
DIISOPROPYL ETHER	12	U	
ETHYL TERT-BUTYL ETHER	12	U	
ETHYLBENZENE	12	U	
HEXACHLOROBUTADIENE	12	U	
ISOPROPYLBENZENE	38	K	R
M+P-XYLENES	24	U	
METHYL TERT-BUTYL ETHER	24	U	
METHYLENE CHLORIDE	12	B	A
NAPHTHALENE	12	U	
N-BUTYLBENZENE	12	U	
N-PROPYLBENZENE	12	U	
O-XYLENE	12	U	
SEC-BUTYLBENZENE	180	K	R
STYRENE	12	U	
TERT-AMYL METHYL ETHER	12	U	
TERT-BUTYLBENZENE	12	U	
TERTIARY-BUTYL ALCOHOL	24	UR	C
TETRACHLOROETHENE	12	U	

nsample	SD-13-02
samp_date	10/20/2005
lab_id	WV5583-3
qc_type	NM
units	UG/KG
Pct_Solids	41.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOLUENE	12	U	
TOTAL 1,2-DICHLOROETHENE	24	U	
TOTAL XYLENES	36	U	
TRANS-1,2-DICHLOROETHENE	12	U	
TRANS-1,3-DICHLOROPROPENE	12	U	
TRICHLOROETHENE	12	U	
TRICHLOROFLUOROMETHANE	24	U	
VINYL ACETATE	12	U	
VINYL CHLORIDE	24	U	

PROJ_NO: 00275

SDG: MID-5 MEDIA: SOIL DATA FRACTION: OV

nsample	SD-13-SS	nsample	SD-13-SS	nsample	SD-13-SS
samp_date	10/20/2005	samp_date	10/20/2005	samp_date	10/20/2005
lab_id	WV5583-1	lab_id	WV5583-1	lab_id	WV5583-1
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	25.6	Pct_Solids	25.6	Pct_Solids	25.6
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	20	UJ	Y
1,1,1-TRICHLOROETHANE	20	UJ	Y
1,1,2,2-TETRACHLOROETHANE	20	UJ	NY
1,1,2-TRICHLOROTRIFLUOROETHANE	20	UJ	Y
1,1-DICHLOROETHANE	20	UJ	Y
1,1-DICHLOROETHENE	20	UJ	Y
1,1-DICHLOROPROPENE	20	UJ	Y
1,2,3-TRICHLOROBENZENE	20	UJ	NY
1,2,3-TRICHLOROPROPANE	20	UJ	NY
1,2,3-TRIMETHYLBENZENE	20	UJ	NY
1,2,4-TRICHLOROBENZENE	20	UJ	NY
1,2,4-TRIMETHYLBENZENE	20	UJ	NY
1,2-DIBROMO-3-CHLOROPROPANE	20	UJ	NY
1,2-DIBROMOETHANE	20	UJ	Y
1,2-DICHLOROBENZENE	20	UJ	NY
1,2-DICHLOROETHANE	20	UJ	Y
1,2-DICHLOROPROPANE	20	UJ	Y
1,3-DICHLOROBENZENE	20	UJ	NY
1,3-DICHLOROPROPANE	20	UJ	Y
1,4-DICHLOROBENZENE	20	UJ	NY
2,2-DICHLOROPROPANE	20	UJ	Y
2-BUTANONE	23	J	CPY
2-CHLOROETHYL VINYL ETHER	20	UJ	Y
2-CHLOROTOLUENE	20	UJ	NY
2-HEXANONE	98	UJ	Y
4-CHLOROTOLUENE	20	UJ	NY
4-ISOPROPYLTOLUENE	20	UJ	NY
4-METHYL-2-PENTANONE	98	UJ	Y
ACETONE	130	B	A
BENZENE	20	UJ	Y
BROMOBENZENE	20	UJ	NY
BROMOCHLOROMETHANE	20	UJ	Y

Parameter	Result	Val Qual	Qual Code
BROMODICHLOROMETHANE	20	UJ	Y
BROMOFORM	20	UJ	Y
BROMOMETHANE	39	UJ	Y
CARBON DISULFIDE	20	UJ	Y
CARBON TETRACHLORIDE	20	UJ	Y
CHLOROBENZENE	20	UJ	Y
CHLORODIBROMOMETHANE	20	UJ	Y
CHLOROETHANE	39	UJ	Y
CHLOROFORM	20	UJ	Y
CHLOROMETHANE	39	UJ	Y
CIS-1,2-DICHLOROETHENE	20	UJ	Y
CIS-1,3-DICHLOROPROPENE	20	UJ	Y
DIBROMOMETHANE	20	UJ	Y
DICHLORODIFLUOROMETHANE	39	UJ	Y
DIISOPROPYL ETHER	20	UJ	Y
ETHYL TERT-BUTYL ETHER	20	UJ	Y
ETHYLBENZENE	20	UJ	Y
HEXACHLOROBUTADIENE	20	UJ	NY
ISOPROPYLBENZENE	20	UJ	NY
M+P-XYLENES	39	UJ	Y
METHYL TERT-BUTYL ETHER	8	J	PY
METHYLENE CHLORIDE	20	B	A
NAPHTHALENE	7	J	NP
N-BUTYLBENZENE	20	UJ	N
N-PROPYLBENZENE	20	UJ	N
O-XYLENE	20	UJ	Y
SEC-BUTYLBENZENE	20	UJ	NY
STYRENE	20	B	A
TERT-AMYL METHYL ETHER	20	UJ	Y
TERT-BUTYLBENZENE	20	UJ	NY
TERTIARY-BUTYL ALCOHOL	39	UR	C
TETRACHLOROETHENE	20	UJ	Y

Parameter	Result	Val Qual	Qual Code
TOLUENE	20	UJ	Y
TOTAL 1,2-DICHLOROETHENE	39	UJ	Y
TOTAL XYLENES	58	UJ	Y
TRANS-1,2-DICHLOROETHENE	20	UJ	Y
TRANS-1,3-DICHLOROPROPENE	20	UJ	Y
TRICHLOROETHENE	20	UJ	Y
TRICHLOROFLUOROMETHANE	39	UJ	Y
VINYL ACETATE	20	UJ	Y
VINYL CHLORIDE	39	UJ	Y

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SDG: MID-5 MEDIA: SOIL DATA FRACTION: OV

nsample	SD-14-01RA2	nsample	SD-14-01RA2	nsample	SD-14-01RA2
samp_date	10/20/2005	samp_date	10/20/2005	samp_date	10/20/2005
lab_id	WV5583-5RA2	lab_id	WV5583-5RA2	lab_id	WV5583-5RA2
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	46.3	Pct_Solids	46.3	Pct_Solids	46.3
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	54	U	
1,1,1-TRICHLOROETHANE	54	U	
1,1,2,2-TETRACHLOROETHANE	54	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	54	U	
1,1-DICHLOROETHANE	54	U	
1,1-DICHLOROETHENE	54	U	
1,1-DICHLOROPROPENE	54	U	
1,2,3-TRICHLOROBENZENE	54	U	
1,2,3-TRICHLOROPROPANE	54	U	
1,2,3-TRIMETHYLBENZENE	54	U	
1,2,4-TRICHLOROBENZENE	54	U	
1,2,4-TRIMETHYLBENZENE	54	U	
1,2-DIBROMO-3-CHLOROPROPANE	54	U	
1,2-DIBROMOETHANE	54	U	
1,2-DICHLOROBENZENE	54	U	
1,2-DICHLOROETHANE	54	U	
1,2-DICHLOROPROPANE	54	U	
1,3-DICHLOROBENZENE	54	U	
1,3-DICHLOROPROPANE	54	U	
1,4-DICHLOROBENZENE	54	U	
2,2-DICHLOROPROPANE	54	U	
2-BUTANONE	270	UR	C
2-CHLOROETHYL VINYL ETHER	54	U	
2-CHLOROTOLUENE	54	U	
2-HEXANONE	270	U	
4-CHLOROTOLUENE	54	U	
4-ISOPROPYLTOLUENE	54	U	
4-METHYL-2-PENTANONE	270	U	
ACETONE	270	B	A
BENZENE	54	U	
BROMOBENZENE	54	U	
BROMOCHLOROMETHANE	54	U	

Parameter	Result	Val Qual	Qual Code
BROMODICHLOROMETHANE	54	U	
BROMOFORM	54	U	
BROMOMETHANE	110	U	
CARBON DISULFIDE	19	J	P
CARBON TETRACHLORIDE	54	U	
CHLOROBENZENE	54	U	
CHLORODIBROMOMETHANE	54	U	
CHLOROETHANE	110	U	
CHLOROFORM	54	U	
CHLOROMETHANE	110	U	
CIS-1,2-DICHLOROETHENE	54	U	
CIS-1,3-DICHLOROPROPENE	54	U	
DIBROMOMETHANE	54	U	
DICHLORODIFLUOROMETHANE	110	U	
DIISOPROPYL ETHER	54	U	
ETHYL TERT-BUTYL ETHER	54	U	
ETHYLBENZENE	54	U	
HEXACHLOROBUTADIENE	54	U	
ISOPROPYLBENZENE	54	U	
M+P-XYLENES	110	U	
METHYL TERT-BUTYL ETHER	110	U	
METHYLENE CHLORIDE	54	B	A
NAPHTHALENE	54	U	
N-BUTYLBENZENE	54	U	
N-PROPYLBENZENE	54	U	
O-XYLENE	54	U	
SEC-BUTYLBENZENE	54	U	
STYRENE	54	U	
TERT-AMYL METHYL ETHER	54	U	
TERT-BUTYLBENZENE	54	U	
TERTIARY-BUTYL ALCOHOL	110	UR	C
TETRACHLOROETHENE	54	U	

Parameter	Result	Val Qual	Qual Code
TOLUENE	54	U	
TOTAL 1,2-DICHLOROETHENE	110	U	
TOTAL XYLENES	160	U	
TRANS-1,2-DICHLOROETHENE	54	U	
TRANS-1,3-DICHLOROPROPENE	54	U	
TRICHLOROETHENE	54	U	
TRICHLOROFLUOROMETHANE	110	U	
VINYL ACETATE	54	U	
VINYL CHLORIDE	110	U	

PROJ_NO: 00275

SDG: MID-5 MEDIA: SOIL DATA FRACTION: OV

nsample	SD-14-02
samp_date	10/20/2005
lab_id	WV5583-6
qc_type	NM
units	UG/KG
Pct_Solids	48.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	10	UL	R
1,1,1-TRICHLOROETHANE	10	UL	R
1,1,2,2-TETRACHLOROETHANE	10	UL	R
1,1,2-TRICHLOROTRIFLUOROETHANE	10	UL	R
1,1-DICHLOROETHANE	10	UL	R
1,1-DICHLOROETHENE	10	UL	R
1,1-DICHLOROPROPENE	10	UL	R
1,2,3-TRICHLOROBENZENE	10	UL	R
1,2,3-TRICHLOROPROPANE	10	UL	R
1,2,3-TRIMETHYLBENZENE	10	UL	R
1,2,4-TRICHLOROBENZENE	10	UL	R
1,2,4-TRIMETHYLBENZENE	10	UL	R
1,2-DIBROMO-3-CHLOROPROPANE	10	UL	R
1,2-DIBROMOETHANE	10	UL	R
1,2-DICHLOROBENZENE	10	UL	R
1,2-DICHLOROETHANE	10	UL	R
1,2-DICHLOROPROPANE	10	UL	R
1,3-DICHLOROBENZENE	10	UL	R
1,3-DICHLOROPROPANE	10	UL	R
1,4-DICHLOROBENZENE	10	UL	R
2,2-DICHLOROPROPANE	10	UL	R
2-BUTANONE	52	UR	C
2-CHLOROETHYL VINYL ETHER	10	UL	R
2-CHLOROTOLUENE	10	UL	R
2-HEXANONE	52	UL	R
4-CHLOROTOLUENE	10	UL	R
4-ISOPROPYLTOLUENE	10	UL	R
4-METHYL-2-PENTANONE	52	UL	R
ACETONE	52	B	A
BENZENE	10	UL	R
BROMOBENZENE	10	UL	R
BROMOCHLOROMETHANE	10	UL	R

nsample	SD-14-02
samp_date	10/20/2005
lab_id	WV5583-6
qc_type	NM
units	UG/KG
Pct_Solids	48.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BROMODICHLOROMETHANE	10	UL	R
BROMOFORM	10	UL	R
BROMOMETHANE	21	UL	R
CARBON DISULFIDE	10	UL	R
CARBON TETRACHLORIDE	10	UL	R
CHLOROBENZENE	10	UL	R
CHLORODIBROMOMETHANE	10	UL	R
CHLOROETHANE	21	UL	R
CHLOROFORM	10	UL	R
CHLOROMETHANE	21	UL	R
CIS-1,2-DICHLOROETHENE	10	UL	R
CIS-1,3-DICHLOROPROPENE	10	UL	R
DIBROMOMETHANE	10	UL	R
DICHLORODIFLUOROMETHANE	21	UL	R
DIISOPROPYL ETHER	10	UL	R
ETHYL TERT-BUTYL ETHER	10	UL	R
ETHYLBENZENE	10	UL	R
HEXACHLOROBUTADIENE	10	UL	R
ISOPROPYLBENZENE	10	UL	R
M+P-XYLENES	21	UL	R
METHYL TERT-BUTYL ETHER	21	UL	R
METHYLENE CHLORIDE	10	B	A
NAPHTHALENE	10	UL	R
N-BUTYLBENZENE	10	UL	R
N-PROPYLBENZENE	10	UL	R
O-XYLENE	10	UL	R
SEC-BUTYLBENZENE	10	UL	R
STYRENE	10	B	A
TERT-AMYL METHYL ETHER	10	UL	R
TERT-BUTYLBENZENE	10	UL	R
TERTIARY-BUTYL ALCOHOL	21	UR	C
TETRACHLOROETHENE	10	UL	R

nsample	SD-14-02
samp_date	10/20/2005
lab_id	WV5583-6
qc_type	NM
units	UG/KG
Pct_Solids	48.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOLUENE	10	UL	R
TOTAL 1,2-DICHLOROETHENE	21	UL	R
TOTAL XYLENES	31	UL	R
TRANS-1,2-DICHLOROETHENE	10	UL	R
TRANS-1,3-DICHLOROPROPENE	10	UL	R
TRICHLOROETHENE	10	UL	R
TRICHLOROFLUOROMETHANE	21	UL	R
VINYL ACETATE	10	UL	R
VINYL CHLORIDE	21	UL	R

PROJ_NO: 00275

SDG: MID-5 MEDIA: SOIL DATA FRACTION: OV

nsample	SD-14-SS
samp_date	10/20/2005
lab_id	WV5583-4
qc_type	NM
units	UG/KG
Pct_Solids	77.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	6	U	
1,1,1-TRICHLOROETHANE	6	U	
1,1,2,2-TETRACHLOROETHANE	6	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	6	U	
1,1-DICHLOROETHANE	6	U	
1,1-DICHLOROETHENE	6	U	
1,1-DICHLOROPROPENE	6	U	
1,2,3-TRICHLOROBENZENE	6	U	
1,2,3-TRICHLOROPROPANE	6	U	
1,2,3-TRIMETHYLBENZENE	6	U	
1,2,4-TRICHLOROBENZENE	6	U	
1,2,4-TRIMETHYLBENZENE	6	U	
1,2-DIBROMO-3-CHLOROPROPANE	6	U	
1,2-DIBROMOETHANE	6	U	
1,2-DICHLOROBENZENE	6	U	
1,2-DICHLOROETHANE	6	U	
1,2-DICHLOROPROPANE	6	U	
1,3-DICHLOROBENZENE	6	U	
1,3-DICHLOROPROPANE	6	U	
1,4-DICHLOROBENZENE	6	U	
2,2-DICHLOROPROPANE	6	U	
2-BUTANONE	32	UR	C
2-CHLOROETHYL VINYL ETHER	6	U	
2-CHLOROTOLUENE	6	U	
2-HEXANONE	32	U	
4-CHLOROTOLUENE	6	U	
4-ISOPROPYLTOLUENE	6	U	
4-METHYL-2-PENTANONE	32	U	
ACETONE	32	UR	C
BENZENE	6	U	
BROMOBENZENE	6	U	
BROMOCHLOROMETHANE	6	U	

nsample	SD-14-SS
samp_date	10/20/2005
lab_id	WV5583-4
qc_type	NM
units	UG/KG
Pct_Solids	77.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BROMODICHLOROMETHANE	6	U	
BROMOFORM	6	U	
BROMOMETHANE	13	U	
CARBON DISULFIDE	6	U	
CARBON TETRACHLORIDE	6	U	
CHLOROBENZENE	6	U	
CHLORODIBROMOMETHANE	6	U	
CHLOROETHANE	13	U	
CHLOROFORM	6	U	
CHLOROMETHANE	13	U	
CIS-1,2-DICHLOROETHENE	6	U	
CIS-1,3-DICHLOROPROPENE	6	U	
DIBROMOMETHANE	6	U	
DICHLORODIFLUOROMETHANE	13	U	
DIISOPROPYL ETHER	6	U	
ETHYL TERT-BUTYL ETHER	6	U	
ETHYLBENZENE	6	U	
HEXACHLOROBUTADIENE	6	U	
ISOPROPYLBENZENE	6	U	
M+P-XYLENES	13	U	
METHYL TERT-BUTYL ETHER	13	U	
METHYLENE CHLORIDE	7	B	A
NAPHTHALENE	6	U	
N-BUTYLBENZENE	6	U	
N-PROPYLBENZENE	6	U	
O-XYLENE	6	U	
SEC-BUTYLBENZENE	6	U	
STYRENE	6	B	A
TERT-AMYL METHYL ETHER	6	U	
TERT-BUTYLBENZENE	6	U	
TERTIARY-BUTYL ALCOHOL	13	UR	C
TETRACHLOROETHENE	6	U	

nsample	SD-14-SS
samp_date	10/20/2005
lab_id	WV5583-4
qc_type	NM
units	UG/KG
Pct_Solids	77.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOLUENE	6	U	
TOTAL 1,2-DICHLOROETHENE	13	U	
TOTAL XYLENES	19	U	
TRANS-1,2-DICHLOROETHENE	6	U	
TRANS-1,3-DICHLOROPROPENE	6	U	
TRICHLOROETHENE	6	U	
TRICHLOROFLUOROMETHANE	13	U	
VINYL ACETATE	6	U	
VINYL CHLORIDE	13	U	

PROJ_NO: 00275

SDG: MID-5 MEDIA: SOIL DATA FRACTION: OV

nsample	SD-15-SSRA
samp_date	10/21/2005
lab_id	WV5604-1RA
qc_type	NM
units	UG/KG
Pct_Solids	24.9
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	19	UJ	Y
1,1,1-TRICHLOROETHANE	19	UJ	Y
1,1,2,2-TETRACHLOROETHANE	19	UJ	Y
1,1,2-TRICHLOROTRIFLUOROETHANE	19	UJ	Y
1,1-DICHLOROETHANE	19	UJ	Y
1,1-DICHLOROETHENE	19	UJ	Y
1,1-DICHLOROPROPENE	19	UJ	Y
1,2,3-TRICHLOROBENZENE	19	UJ	Y
1,2,3-TRICHLOROPROPANE	19	UJ	Y
1,2,3-TRIMETHYLBENZENE	19	UJ	Y
1,2,4-TRICHLOROBENZENE	19	UJ	Y
1,2,4-TRIMETHYLBENZENE	19	UJ	Y
1,2-DIBROMO-3-CHLOROPROPANE	19	UJ	Y
1,2-DIBROMOETHANE	19	UJ	Y
1,2-DICHLOROBENZENE	19	UJ	Y
1,2-DICHLOROETHANE	19	UJ	Y
1,2-DICHLOROPROPANE	19	UJ	Y
1,3-DICHLOROBENZENE	19	UJ	Y
1,3-DICHLOROPROPANE	19	UJ	Y
1,4-DICHLOROBENZENE	19	UJ	Y
2,2-DICHLOROPROPANE	19	UJ	Y
2-BUTANONE	95	UR	C
2-CHLOROETHYL VINYL ETHER	19	UJ	Y
2-CHLOROTOLUENE	19	UJ	Y
2-HEXANONE	95	UJ	Y
4-CHLOROTOLUENE	19	UJ	Y
4-ISOPROPYLTOLUENE	19	UJ	Y
4-METHYL-2-PENTANONE	95	UJ	Y
ACETONE	95	B	A
BENZENE	19	UJ	Y
BROMOBENZENE	19	UJ	Y
BROMOCHLOROMETHANE	19	UJ	Y

nsample	SD-15-SSRA
samp_date	10/21/2005
lab_id	WV5604-1RA
qc_type	NM
units	UG/KG
Pct_Solids	24.9
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BROMODICHLOROMETHANE	19	UJ	Y
BROMOFORM	19	UJ	Y
BROMOMETHANE	38	UJ	Y
CARBON DISULFIDE	19	UJ	Y
CARBON TETRACHLORIDE	19	UJ	Y
CHLOROBENZENE	19	UJ	Y
CHLORODIBROMOMETHANE	19	UJ	Y
CHLOROETHANE	38	UJ	Y
CHLOROFORM	19	UJ	Y
CHLOROMETHANE	38	UJ	Y
CIS-1,2-DICHLOROETHENE	19	UJ	Y
CIS-1,3-DICHLOROPROPENE	19	UJ	Y
DIBROMOMETHANE	19	UJ	Y
DICHLORODIFLUOROMETHANE	38	UJ	Y
DIISOPROPYL ETHER	19	UJ	Y
ETHYL TERT-BUTYL ETHER	19	UJ	Y
ETHYLBENZENE	19	UJ	Y
HEXACHLOROBUTADIENE	19	UJ	Y
ISOPROPYLBENZENE	19	UJ	Y
M+P-XYLENES	38	UJ	Y
METHYL TERT-BUTYL ETHER	6	J	PY
METHYLENE CHLORIDE	19	B	A
NAPHTHALENE	19	UJ	Y
N-BUTYLBENZENE	19	UJ	Y
N-PROPYLBENZENE	19	UJ	Y
O-XYLENE	19	UJ	Y
SEC-BUTYLBENZENE	19	UJ	Y
STYRENE	19	UJ	Y
TERT-AMYL METHYL ETHER	19	UJ	Y
TERT-BUTYLBENZENE	19	UJ	Y
TERTIARY-BUTYL ALCOHOL	38	UR	C
TETRACHLOROETHENE	19	UJ	Y

nsample	SD-15-SSRA
samp_date	10/21/2005
lab_id	WV5604-1RA
qc_type	NM
units	UG/KG
Pct_Solids	24.9
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOLUENE	4	J	P
TOTAL 1,2-DICHLOROETHENE	38	UJ	Y
TOTAL XYLENES	57	UJ	Y
TRANS-1,2-DICHLOROETHENE	19	UJ	Y
TRANS-1,3-DICHLOROPROPENE	19	UJ	Y
TRICHLOROETHENE	19	UJ	Y
TRICHLOROFLUOROMETHANE	38	UJ	Y
VINYL ACETATE	19	UJ	Y
VINYL CHLORIDE	38	UJ	Y

PROJ_NO: 00275

SDG: MID-5 MEDIA: SOIL DATA FRACTION: OV

nsample	SD-16-01RA	nsample	SD-16-01RA	nsample	SD-16-01RA
samp_date	10/20/2005	samp_date	10/20/2005	samp_date	10/20/2005
lab_id	WV5583-8RA	lab_id	WV5583-8RA	lab_id	WV5583-8RA
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	31.7	Pct_Solids	31.7	Pct_Solids	31.7
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	16	U	
1,1,1-TRICHLOROETHANE	16	U	
1,1,2,2-TETRACHLOROETHANE	16	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	16	U	
1,1-DICHLOROETHANE	16	U	
1,1-DICHLOROETHENE	16	U	
1,1-DICHLOROPROPENE	16	U	
1,2,3-TRICHLOROBENZENE	16	U	
1,2,3-TRICHLOROPROPANE	16	U	
1,2,3-TRIMETHYLBENZENE	16	U	
1,2,4-TRICHLOROBENZENE	16	U	
1,2,4-TRIMETHYLBENZENE	16	U	
1,2-DIBROMO-3-CHLOROPROPANE	16	U	
1,2-DIBROMOETHANE	16	U	
1,2-DICHLOROBENZENE	16	U	
1,2-DICHLOROETHANE	16	U	
1,2-DICHLOROPROPANE	16	U	
1,3-DICHLOROBENZENE	16	U	
1,3-DICHLOROPROPANE	16	U	
1,4-DICHLOROBENZENE	16	U	
2,2-DICHLOROPROPANE	16	U	
2-BUTANONE	18	J	CP
2-CHLOROETHYL VINYL ETHER	16	U	
2-CHLOROTOLUENE	16	U	
2-HEXANONE	80	U	
4-CHLOROTOLUENE	16	U	
4-ISOPROPYLTOLUENE	16	U	
4-METHYL-2-PENTANONE	80	U	
ACETONE	100	B	A
BENZENE	16	U	
BROMOBENZENE	16	U	
BROMOCHLOROMETHANE	16	U	

Parameter	Result	Val Qual	Qual Code
BROMODICHLOROMETHANE	16	U	
BROMOFORM	16	U	
BROMOMETHANE	32	U	
CARBON DISULFIDE	7	J	P
CARBON TETRACHLORIDE	16	U	
CHLOROBENZENE	16	U	
CHLORODIBROMOMETHANE	16	U	
CHLOROETHANE	32	U	
CHLOROFORM	16	U	
CHLOROMETHANE	32	U	
CIS-1,2-DICHLOROETHENE	16	U	
CIS-1,3-DICHLOROPROPENE	16	U	
DIBROMOMETHANE	16	U	
DICHLORODIFLUOROMETHANE	32	U	
DIISOPROPYL ETHER	16	U	
ETHYL TERT-BUTYL ETHER	16	U	
ETHYLBENZENE	16	U	
HEXACHLOROBUTADIENE	16	U	
ISOPROPYLBENZENE	16	U	
M+P-XYLENES	32	U	
METHYL TERT-BUTYL ETHER	4	J	P
METHYLENE CHLORIDE	16	B	A
NAPHTHALENE	16	U	
N-BUTYLBENZENE	16	U	
N-PROPYLBENZENE	16	U	
O-XYLENE	16	U	
SEC-BUTYLBENZENE	16	U	
STYRENE	16	U	
TERT-AMYL METHYL ETHER	16	U	
TERT-BUTYLBENZENE	16	U	
TERTIARY-BUTYL ALCOHOL	32	UR	C
TETRACHLOROETHENE	16	U	

Parameter	Result	Val Qual	Qual Code
TOLUENE	16	U	
TOTAL 1,2-DICHLOROETHENE	32	U	
TOTAL XYLENES	48	U	
TRANS-1,2-DICHLOROETHENE	16	U	
TRANS-1,3-DICHLOROPROPENE	16	U	
TRICHLOROETHENE	16	U	
TRICHLOROFLUOROMETHANE	32	U	
VINYL ACETATE	16	U	
VINYL CHLORIDE	32	U	

PROJ_NO: 00275

SDG: MID-5 MEDIA: SOIL DATA FRACTION: OV

nsample	SD-16-02
samp_date	10/20/2005
lab_id	WV5583-9
qc_type	NM
units	UG/KG
Pct_Solids	31.8
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	16	U	
1,1,1-TRICHLOROETHANE	16	U	
1,1,2,2-TETRACHLOROETHANE	16	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	16	U	
1,1-DICHLOROETHANE	16	U	
1,1-DICHLOROETHENE	16	U	
1,1-DICHLOROPROPENE	16	U	
1,2,3-TRICHLOROBENZENE	16	U	
1,2,3-TRICHLOROPROPANE	16	U	
1,2,3-TRIMETHYLBENZENE	16	U	
1,2,4-TRICHLOROBENZENE	16	U	
1,2,4-TRIMETHYLBENZENE	16	U	
1,2-DIBROMO-3-CHLOROPROPANE	16	U	
1,2-DIBROMOETHANE	16	U	
1,2-DICHLOROBENZENE	16	U	
1,2-DICHLOROETHANE	16	U	
1,2-DICHLOROPROPANE	16	U	
1,3-DICHLOROBENZENE	16	U	
1,3-DICHLOROPROPANE	16	U	
1,4-DICHLOROBENZENE	16	U	
2,2-DICHLOROPROPANE	16	U	
2-BUTANONE	40	J	CP
2-CHLOROETHYL VINYL ETHER	16	U	
2-CHLOROTOLUENE	16	U	
2-HEXANONE	78	U	
4-CHLOROTOLUENE	16	U	
4-ISOPROPYLTOLUENE	16	U	
4-METHYL-2-PENTANONE	78	U	
ACETONE	240		
BENZENE	16	U	
BROMOBENZENE	16	U	
BROMOCHLOROMETHANE	16	U	

nsample	SD-16-02
samp_date	10/20/2005
lab_id	WV5583-9
qc_type	NM
units	UG/KG
Pct_Solids	31.8
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BROMODICHLOROMETHANE	16	U	
BROMOFORM	16	U	
BROMOMETHANE	31	U	
CARBON DISULFIDE	11	J	P
CARBON TETRACHLORIDE	16	U	
CHLOROBENZENE	16	U	
CHLORODIBROMOMETHANE	16	U	
CHLOROETHANE	31	U	
CHLOROFORM	16	U	
CHLOROMETHANE	31	U	
CIS-1,2-DICHLOROETHENE	16	U	
CIS-1,3-DICHLOROPROPENE	16	U	
DIBROMOMETHANE	16	U	
DICHLORODIFLUOROMETHANE	31	U	
DIISOPROPYL ETHER	16	U	
ETHYL TERT-BUTYL ETHER	16	U	
ETHYLBENZENE	16	U	
HEXACHLOROBUTADIENE	16	U	
ISOPROPYLBENZENE	16	U	
M+P-XYLENES	31	U	
METHYL TERT-BUTYL ETHER	2	J	P
METHYLENE CHLORIDE	16	B	A
NAPHTHALENE	16	U	
N-BUTYLBENZENE	16	U	
N-PROPYLBENZENE	16	U	
O-XYLENE	16	U	
SEC-BUTYLBENZENE	16	U	
STYRENE	16	B	A
TERT-AMYL METHYL ETHER	16	U	
TERT-BUTYLBENZENE	16	U	
TERTIARY-BUTYL ALCOHOL	31	UR	C
TETRACHLOROETHENE	16	U	

nsample	SD-16-02
samp_date	10/20/2005
lab_id	WV5583-9
qc_type	NM
units	UG/KG
Pct_Solids	31.8
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOLUENE	16	U	
TOTAL 1,2-DICHLOROETHENE	31	U	
TOTAL XYLENES	47	U	
TRANS-1,2-DICHLOROETHENE	16	U	
TRANS-1,3-DICHLOROPROPENE	16	U	
TRICHLOROETHENE	16	U	
TRICHLOROFLUOROMETHANE	31	U	
VINYL ACETATE	16	U	
VINYL CHLORIDE	31	U	

PROJ_NO: 00275

SDG: MID-5 MEDIA: SOIL DATA FRACTION: OV

nsample	SD-16-SSRA	nsample	SD-16-SSRA	nsample	SD-16-SSRA
samp_date	10/20/2005	samp_date	10/20/2005	samp_date	10/20/2005
lab_id	WV5583-7RA	lab_id	WV5583-7RA	lab_id	WV5583-7RA
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	24.0	Pct_Solids	24.0	Pct_Solids	24.0
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	20	UJ	Y
1,1,1-TRICHLOROETHANE	20	UJ	Y
1,1,2,2-TETRACHLOROETHANE	20	UJ	Y
1,1,2-TRICHLOROTRIFLUOROETHANE	20	UJ	Y
1,1-DICHLOROETHANE	20	UJ	Y
1,1-DICHLOROETHENE	20	UJ	Y
1,1-DICHLOROPROPENE	20	UJ	Y
1,2,3-TRICHLOROBENZENE	20	UJ	Y
1,2,3-TRICHLOROPROPANE	20	UJ	Y
1,2,3-TRIMETHYLBENZENE	20	UJ	Y
1,2,4-TRICHLOROBENZENE	20	UJ	Y
1,2,4-TRIMETHYLBENZENE	20	UJ	Y
1,2-DIBROMO-3-CHLOROPROPANE	20	UJ	Y
1,2-DIBROMOETHANE	20	UJ	Y
1,2-DICHLOROBENZENE	20	UJ	Y
1,2-DICHLOROETHANE	20	UJ	Y
1,2-DICHLOROPROPANE	20	UJ	Y
1,3-DICHLOROBENZENE	20	UJ	Y
1,3-DICHLOROPROPANE	20	UJ	Y
1,4-DICHLOROBENZENE	20	UJ	Y
2,2-DICHLOROPROPANE	20	UJ	Y
2-BUTANONE	100	UR	C
2-CHLOROETHYL VINYL ETHER	20	UJ	Y
2-CHLOROTOLUENE	20	UJ	Y
2-HEXANONE	100	UJ	Y
4-CHLOROTOLUENE	20	UJ	Y
4-ISOPROPYLTOLUENE	20	UJ	Y
4-METHYL-2-PENTANONE	100	UJ	Y
ACETONE	100	B	A
BENZENE	20	UJ	Y
BROMOBENZENE	20	UJ	Y
BROMOCHLOROMETHANE	20	UJ	Y

Parameter	Result	Val Qual	Qual Code
BROMODICHLOROMETHANE	20	UJ	Y
BROMOFORM	20	UJ	Y
BROMOMETHANE	40	UJ	Y
CARBON DISULFIDE	20	UJ	Y
CARBON TETRACHLORIDE	20	UJ	Y
CHLOROBENZENE	20	UJ	Y
CHLORODIBROMOMETHANE	20	UJ	Y
CHLOROETHANE	40	UJ	Y
CHLOROFORM	20	UJ	Y
CHLOROMETHANE	40	UJ	Y
CIS-1,2-DICHLOROETHENE	20	UJ	Y
CIS-1,3-DICHLOROPROPENE	20	UJ	Y
DIBROMOMETHANE	20	UJ	Y
DICHLORODIFLUOROMETHANE	40	UJ	Y
DIISOPROPYL ETHER	20	UJ	Y
ETHYL TERT-BUTYL ETHER	20	UJ	Y
ETHYLBENZENE	20	UJ	Y
HEXACHLOROBUTADIENE	20	UJ	Y
ISOPROPYLBENZENE	20	UJ	Y
M+P-XYLENES	40	UJ	Y
METHYL TERT-BUTYL ETHER	9	J	PY
METHYLENE CHLORIDE	20	B	A
NAPHTHALENE	20	UJ	Y
N-BUTYLBENZENE	20	UJ	Y
N-PROPYLBENZENE	20	UJ	Y
O-XYLENE	20	UJ	Y
SEC-BUTYLBENZENE	20	UJ	Y
STYRENE	20	UJ	Y
TERT-AMYL METHYL ETHER	20	UJ	Y
TERT-BUTYLBENZENE	20	UJ	Y
TERTIARY-BUTYL ALCOHOL	40	UR	C
TETRACHLOROETHENE	20	UJ	Y

Parameter	Result	Val Qual	Qual Code
TOLUENE	20	UJ	Y
TOTAL 1,2-DICHLOROETHENE	40	UJ	Y
TOTAL XYLENES	60	UJ	Y
TRANS-1,2-DICHLOROETHENE	20	UJ	Y
TRANS-1,3-DICHLOROPROPENE	20	UJ	Y
TRICHLOROETHENE	20	UJ	Y
TRICHLOROFLUOROMETHANE	40	UJ	Y
VINYL ACETATE	20	UJ	Y
VINYL CHLORIDE	40	UJ	Y

PROJ_NO: 00275

SDG: MID-5 MEDIA: SOIL DATA FRACTION: OV

nsample	SD-17-SSRA
samp_date	10/21/2005
lab_id	WV5604-2RA
qc_type	NM
units	UG/KG
Pct_Solids	24.8
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	21	UJ	Y
1,1,1-TRICHLOROETHANE	21	UJ	Y
1,1,2,2-TETRACHLOROETHANE	21	UJ	Y
1,1,2-TRICHLOROTRIFLUOROETHANE	21	UJ	Y
1,1-DICHLOROETHANE	21	UJ	Y
1,1-DICHLOROETHENE	21	UJ	Y
1,1-DICHLOROPROPENE	21	UJ	Y
1,2,3-TRICHLOROBENZENE	21	UJ	Y
1,2,3-TRICHLOROPROPANE	21	UJ	Y
1,2,3-TRIMETHYLBENZENE	21	UJ	Y
1,2,4-TRICHLOROBENZENE	21	UJ	Y
1,2,4-TRIMETHYLBENZENE	21	UJ	Y
1,2-DIBROMO-3-CHLOROPROPANE	21	UJ	Y
1,2-DIBROMOETHANE	21	UJ	Y
1,2-DICHLOROBENZENE	21	UJ	Y
1,2-DICHLOROETHANE	21	UJ	Y
1,2-DICHLOROPROPANE	21	UJ	Y
1,3-DICHLOROBENZENE	21	UJ	Y
1,3-DICHLOROPROPANE	21	UJ	Y
1,4-DICHLOROBENZENE	21	UJ	Y
2,2-DICHLOROPROPANE	21	UJ	Y
2-BUTANONE	100	UR	C
2-CHLOROETHYL VINYL ETHER	21	UJ	Y
2-CHLOROTOLUENE	21	UJ	Y
2-HEXANONE	100	UJ	Y
4-CHLOROTOLUENE	21	UJ	Y
4-ISOPROPYLTOLUENE	21	UJ	Y
4-METHYL-2-PENTANONE	100	UJ	Y
ACETONE	100	B	A
BENZENE	21	UJ	Y
BROMOBENZENE	21	UJ	Y
BROMOCHLOROMETHANE	21	UJ	Y

nsample	SD-17-SSRA
samp_date	10/21/2005
lab_id	WV5604-2RA
qc_type	NM
units	UG/KG
Pct_Solids	24.8
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BROMODICHLOROMETHANE	21	UJ	Y
BROMOFORM	21	UJ	Y
BROMOMETHANE	41	UJ	Y
CARBON DISULFIDE	21	UJ	Y
CARBON TETRACHLORIDE	21	UJ	Y
CHLOROBENZENE	21	UJ	Y
CHLORODIBROMOMETHANE	21	UJ	Y
CHLOROETHANE	41	UJ	Y
CHLOROFORM	21	UJ	Y
CHLOROMETHANE	41	UJ	Y
CIS-1,2-DICHLOROETHENE	21	UJ	Y
CIS-1,3-DICHLOROPROPENE	21	UJ	Y
DIBROMOMETHANE	21	UJ	Y
DICHLORODIFLUOROMETHANE	41	UJ	Y
DIISOPROPYL ETHER	21	UJ	Y
ETHYL TERT-BUTYL ETHER	21	UJ	Y
ETHYLBENZENE	21	UJ	Y
HEXACHLOROBUTADIENE	21	UJ	Y
ISOPROPYLBENZENE	21	UJ	Y
M+P-XYLENES	41	UJ	Y
METHYL TERT-BUTYL ETHER	8	J	PY
METHYLENE CHLORIDE	21	B	A
NAPHTHALENE	21	UJ	Y
N-BUTYLBENZENE	21	UJ	Y
N-PROPYLBENZENE	21	UJ	Y
O-XYLENE	21	UJ	Y
SEC-BUTYLBENZENE	21	UJ	Y
STYRENE	21	UJ	Y
TERT-AMYL METHYL ETHER	21	UJ	Y
TERT-BUTYLBENZENE	21	UJ	Y
TERTIARY-BUTYL ALCOHOL	41	UR	C
TETRACHLOROETHENE	21	UJ	Y

nsample	SD-17-SSRA
samp_date	10/21/2005
lab_id	WV5604-2RA
qc_type	NM
units	UG/KG
Pct_Solids	24.8
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOLUENE	21	UJ	Y
TOTAL 1,2-DICHLOROETHENE	41	UJ	Y
TOTAL XYLENES	62	UJ	Y
TRANS-1,2-DICHLOROETHENE	21	UJ	Y
TRANS-1,3-DICHLOROPROPENE	21	UJ	Y
TRICHLOROETHENE	21	UJ	Y
TRICHLOROFLUOROMETHANE	41	UJ	Y
VINYL ACETATE	21	UJ	Y
VINYL CHLORIDE	41	UJ	Y

PROJ_NO: 00275

SDG: MID-5 MEDIA: SOIL DATA FRACTION: OV

nsample	SD-18-SSRA
samp_date	10/21/2005
lab_id	WV5604-3RA
qc_type	NM
units	UG/KG
Pct_Solids	21.8
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	22	UJ	RY
1,1,1-TRICHLOROETHANE	22	UJ	RY
1,1,2,2-TETRACHLOROETHANE	22	UJ	RY
1,1,2-TRICHLOROTRIFLUOROETHANE	22	UJ	RY
1,1-DICHLOROETHANE	22	UJ	RY
1,1-DICHLOROETHENE	22	UJ	RY
1,1-DICHLOROPROPENE	22	UJ	RY
1,2,3-TRICHLOROBENZENE	22	UJ	RY
1,2,3-TRICHLOROPROPANE	22	UJ	RY
1,2,3-TRIMETHYLBENZENE	22	UJ	RY
1,2,4-TRICHLOROBENZENE	22	UJ	RY
1,2,4-TRIMETHYLBENZENE	22	UJ	RY
1,2-DIBROMO-3-CHLOROPROPANE	22	UJ	RY
1,2-DIBROMOETHANE	22	UJ	RY
1,2-DICHLOROBENZENE	22	UJ	R
1,2-DICHLOROETHANE	22	UJ	RY
1,2-DICHLOROPROPANE	22	UJ	RY
1,3-DICHLOROBENZENE	22	UJ	RY
1,3-DICHLOROPROPANE	22	UJ	RY
1,4-DICHLOROBENZENE	22	UJ	RY
2,2-DICHLOROPROPANE	22	UJ	RY
2-BUTANONE	110	UR	C
2-CHLOROETHYL VINYL ETHER	22	UJ	RY
2-CHLOROTOLUENE	22	UJ	RY
2-HEXANONE	110	UJ	RY
4-CHLOROTOLUENE	22	UJ	RY
4-ISOPROPYLTOLUENE	22	UJ	RY
4-METHYL-2-PENTANONE	110	UJ	RY
ACETONE	110	B	A
BENZENE	22	UJ	RY
BROMOBENZENE	22	UJ	RY
BROMOCHLOROMETHANE	22	UJ	RY

nsample	SD-18-SSRA
samp_date	10/21/2005
lab_id	WV5604-3RA
qc_type	NM
units	UG/KG
Pct_Solids	21.8
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BROMODICHLOROMETHANE	22	UJ	RY
BROMOFORM	22	UJ	RY
BROMOMETHANE	44	UJ	RY
CARBON DISULFIDE	22	UJ	RY
CARBON TETRACHLORIDE	22	UJ	RY
CHLOROBENZENE	22	UJ	RY
CHLORODIBROMOMETHANE	22	UJ	RY
CHLOROETHANE	44	UJ	RY
CHLOROFORM	22	UJ	RY
CHLOROMETHANE	44	UJ	RY
CIS-1,2-DICHLOROETHENE	22	UJ	RY
CIS-1,3-DICHLOROPROPENE	22	UJ	RY
DIBROMOMETHANE	22	UJ	RY
DICHLORODIFLUOROMETHANE	44	UJ	RY
DIISOPROPYL ETHER	22	UJ	RY
ETHYL TERT-BUTYL ETHER	22	UJ	RY
ETHYLBENZENE	22	UJ	RY
HEXACHLOROBUTADIENE	22	UJ	RY
ISOPROPYLBENZENE	22	UJ	RY
M+P-XYLENES	44	UJ	RY
METHYL TERT-BUTYL ETHER	9	J	PRY
METHYLENE CHLORIDE	22	B	A
NAPHTHALENE	22	UJ	RY
N-BUTYLBENZENE	22	UJ	RY
N-PROPYLBENZENE	22	UJ	RY
O-XYLENE	22	UJ	RY
SEC-BUTYLBENZENE	22	UJ	RY
STYRENE	22	UJ	RY
TERT-AMYL METHYL ETHER	22	UJ	RY
TERT-BUTYLBENZENE	22	UJ	RY
TERTIARY-BUTYL ALCOHOL	44	UR	C
TETRACHLOROETHENE	22	UJ	RY

nsample	SD-18-SSRA
samp_date	10/21/2005
lab_id	WV5604-3RA
qc_type	NM
units	UG/KG
Pct_Solids	21.8
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOLUENE	22	UJ	RY
TOTAL 1,2-DICHLOROETHENE	44	UJ	RY
TOTAL XYLENES	66	UJ	RY
TRANS-1,2-DICHLOROETHENE	22	UJ	RY
TRANS-1,3-DICHLOROPROPENE	22	UJ	RY
TRICHLOROETHENE	22	UJ	RY
TRICHLOROFLUOROMETHANE	44	UJ	RY
VINYL ACETATE	22	UJ	RY
VINYL CHLORIDE	44	UJ	RY

PROJ_NO: 00275

SDG: MID-5 MEDIA: SOIL DATA FRACTION: OV

nsample	SD-19-01RA
samp_date	10/21/2005
lab_id	WV5604-5RA
qc_type	NM
units	UG/KG
Pct_Solids	31.7
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	15	U	
1,1,1-TRICHLOROETHANE	15	U	
1,1,2,2-TETRACHLOROETHANE	15	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	15	U	
1,1-DICHLOROETHANE	15	U	
1,1-DICHLOROETHENE	15	U	
1,1-DICHLOROPROPENE	15	U	
1,2,3-TRICHLOROBENZENE	15	U	
1,2,3-TRICHLOROPROPANE	15	U	
1,2,3-TRIMETHYLBENZENE	15	U	
1,2,4-TRICHLOROBENZENE	15	U	
1,2,4-TRIMETHYLBENZENE	15	U	
1,2-DIBROMO-3-CHLOROPROPANE	15	U	
1,2-DIBROMOETHANE	15	U	
1,2-DICHLOROBENZENE	15	U	
1,2-DICHLOROETHANE	15	U	
1,2-DICHLOROPROPANE	15	U	
1,3-DICHLOROBENZENE	15	U	
1,3-DICHLOROPROPANE	15	U	
1,4-DICHLOROBENZENE	15	U	
2,2-DICHLOROPROPANE	15	U	
2-BUTANONE	37	J	CP
2-CHLOROETHYL VINYL ETHER	15	U	
2-CHLOROTOLUENE	15	U	
2-HEXANONE	74	U	
4-CHLOROTOLUENE	15	U	
4-ISOPROPYLTOLUENE	15	U	
4-METHYL-2-PENTANONE	74	U	
ACETONE	220		
BENZENE	15	U	
BROMOBENZENE	15	U	
BROMOCHLOROMETHANE	15	U	

nsample	SD-19-01RA
samp_date	10/21/2005
lab_id	WV5604-5RA
qc_type	NM
units	UG/KG
Pct_Solids	31.7
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BROMODICHLOROMETHANE	15	U	
BROMOFORM	15	U	
BROMOMETHANE	30	U	
CARBON DISULFIDE	6	J	P
CARBON TETRACHLORIDE	15	U	
CHLOROBENZENE	15	U	
CHLORODIBROMOMETHANE	15	U	
CHLOROETHANE	30	U	
CHLOROFORM	15	U	
CHLOROMETHANE	30	U	
CIS-1,2-DICHLOROETHENE	15	U	
CIS-1,3-DICHLOROPROPENE	15	U	
DIBROMOMETHANE	15	U	
DICHLORODIFLUOROMETHANE	30	U	
DIISOPROPYL ETHER	15	U	
ETHYL TERT-BUTYL ETHER	15	U	
ETHYLBENZENE	15	U	
HEXACHLOROBUTADIENE	15	U	
ISOPROPYLBENZENE	10	J	P
M+P-XYLENES	30	U	
METHYL TERT-BUTYL ETHER	30	U	
METHYLENE CHLORIDE	17	B	A
NAPHTHALENE	15	U	
N-BUTYLBENZENE	15	U	
N-PROPYLBENZENE	15	U	
O-XYLENE	15	U	
SEC-BUTYLBENZENE	33		
STYRENE	15	U	
TERT-AMYL METHYL ETHER	15	U	
TERT-BUTYLBENZENE	2	J	P
TERTIARY-BUTYL ALCOHOL	30	UR	C
TETRACHLOROETHENE	15	U	

nsample	SD-19-01RA
samp_date	10/21/2005
lab_id	WV5604-5RA
qc_type	NM
units	UG/KG
Pct_Solids	31.7
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOLUENE	15	U	
TOTAL 1,2-DICHLOROETHENE	30	U	
TOTAL XYLENES	45	U	
TRANS-1,2-DICHLOROETHENE	15	U	
TRANS-1,3-DICHLOROPROPENE	15	U	
TRICHLOROETHENE	15	U	
TRICHLOROFLUOROMETHANE	30	U	
VINYL ACETATE	15	U	
VINYL CHLORIDE	30	U	

PROJ_NO: 00275

SDG: MID-5 MEDIA: SOIL DATA FRACTION: OV

nsample	SD-19-02RA
samp_date	10/21/2005
lab_id	WV5604-6RA
qc_type	NM
units	UG/KG
Pct_Solids	66.8
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	7	U	
1,1,1-TRICHLOROETHANE	7	U	
1,1,2,2-TETRACHLOROETHANE	7	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	7	U	
1,1-DICHLOROETHANE	7	U	
1,1-DICHLOROETHENE	7	U	
1,1-DICHLOROPROPENE	7	U	
1,2,3-TRICHLOROBENZENE	7	U	
1,2,3-TRICHLOROPROPANE	7	U	
1,2,3-TRIMETHYLBENZENE	7	U	
1,2,4-TRICHLOROBENZENE	7	U	
1,2,4-TRIMETHYLBENZENE	7	U	
1,2-DIBROMO-3-CHLOROPROPANE	7	U	
1,2-DIBROMOETHANE	7	U	
1,2-DICHLOROBENZENE	7	U	
1,2-DICHLOROETHANE	7	U	
1,2-DICHLOROPROPANE	7	U	
1,3-DICHLOROBENZENE	7	U	
1,3-DICHLOROPROPANE	7	U	
1,4-DICHLOROBENZENE	7	U	
2,2-DICHLOROPROPANE	7	U	
2-BUTANONE	21	J	CP
2-CHLOROETHYL VINYL ETHER	7	U	
2-CHLOROTOLUENE	7	U	
2-HEXANONE	36	U	
4-CHLOROTOLUENE	7	U	
4-ISOPROPYLTOLUENE	7	U	
4-METHYL-2-PENTANONE	36	U	
ACETONE	110		
BENZENE	7	U	
BROMOBENZENE	7	U	
BROMOCHLOROMETHANE	7	U	

nsample	SD-19-02RA
samp_date	10/21/2005
lab_id	WV5604-6RA
qc_type	NM
units	UG/KG
Pct_Solids	66.8
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BROMODICHLOROMETHANE	7	U	
BROMOFORM	7	U	
BROMOMETHANE	14	U	
CARBON DISULFIDE	7	U	
CARBON TETRACHLORIDE	7	U	
CHLOROBENZENE	7	U	
CHLORODIBROMOMETHANE	7	U	
CHLOROETHANE	14	U	
CHLOROFORM	7	U	
CHLOROMETHANE	14	U	
CIS-1,2-DICHLOROETHENE	2	J	P
CIS-1,3-DICHLOROPROPENE	7	U	
DIBROMOMETHANE	7	U	
DICHLORODIFLUOROMETHANE	14	U	
DIISOPROPYL ETHER	7	U	
ETHYL TERT-BUTYL ETHER	7	U	
ETHYLBENZENE	7	U	
HEXACHLOROBUTADIENE	7	U	
ISOPROPYLBENZENE	3	J	P
M+P-XYLENES	14	U	
METHYL TERT-BUTYL ETHER	14	U	
METHYLENE CHLORIDE	9	B	A
NAPHTHALENE	7	U	
N-BUTYLBENZENE	7	U	
N-PROPYLBENZENE	7	U	
O-XYLENE	7	U	
SEC-BUTYLBENZENE	7	J	P
STYRENE	7	U	
TERT-AMYL METHYL ETHER	7	U	
TERT-BUTYLBENZENE	7	U	
TERTIARY-BUTYL ALCOHOL	14	UR	C
TETRACHLOROETHENE	7	U	

nsample	SD-19-02RA
samp_date	10/21/2005
lab_id	WV5604-6RA
qc_type	NM
units	UG/KG
Pct_Solids	66.8
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOLUENE	10		
TOTAL 1,2-DICHLOROETHENE	14	U	
TOTAL XYLENES	22	U	
TRANS-1,2-DICHLOROETHENE	7	U	
TRANS-1,3-DICHLOROPROPENE	7	U	
TRICHLOROETHENE	7	U	
TRICHLOROFLUOROMETHANE	14	U	
VINYL ACETATE	7	U	
VINYL CHLORIDE	14	U	

PROJ_NO: 00275

SDG: MID-5 MEDIA: SOIL DATA FRACTION: OV

nsample	SD-19-SSRA	nsample	SD-19-SSRA	nsample	SD-19-SSRA
samp_date	10/21/2005	samp_date	10/21/2005	samp_date	10/21/2005
lab_id	WV5604-4RA	lab_id	WV5604-4RA	lab_id	WV5604-4RA
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	29.8	Pct_Solids	29.8	Pct_Solids	29.8
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	16	UJ	Y
1,1,1-TRICHLOROETHANE	16	UJ	Y
1,1,2,2-TETRACHLOROETHANE	16	UJ	Y
1,1,2-TRICHLOROTRIFLUOROETHANE	16	UJ	Y
1,1-DICHLOROETHANE	16	UJ	Y
1,1-DICHLOROETHENE	16	UJ	Y
1,1-DICHLOROPROPENE	16	UJ	Y
1,2,3-TRICHLOROBENZENE	16	UJ	Y
1,2,3-TRICHLOROPROPANE	16	UJ	Y
1,2,3-TRIMETHYLBENZENE	16	UJ	Y
1,2,4-TRICHLOROBENZENE	16	UJ	Y
1,2,4-TRIMETHYLBENZENE	16	UJ	Y
1,2-DIBROMO-3-CHLOROPROPANE	16	UJ	Y
1,2-DIBROMOETHANE	16	UJ	Y
1,2-DICHLOROBENZENE	16	UJ	Y
1,2-DICHLOROETHANE	16	UJ	Y
1,2-DICHLOROPROPANE	16	UJ	Y
1,3-DICHLOROBENZENE	16	UJ	Y
1,3-DICHLOROPROPANE	16	UJ	Y
1,4-DICHLOROBENZENE	16	UJ	Y
2,2-DICHLOROPROPANE	16	UJ	Y
2-BUTANONE	23	J	CPY
2-CHLOROETHYL VINYL ETHER	16	UJ	Y
2-CHLOROTOLUENE	16	UJ	Y
2-HEXANONE	81	UJ	Y
4-CHLOROTOLUENE	16	UJ	Y
4-ISOPROPYLTOLUENE	16	UJ	Y
4-METHYL-2-PENTANONE	81	UJ	Y
ACETONE	81	B	A
BENZENE	16	UJ	Y
BROMOBENZENE	16	UJ	Y
BROMOCHLOROMETHANE	16	UJ	Y

Parameter	Result	Val Qual	Qual Code
BROMODICHLOROMETHANE	16	UJ	Y
BROMOFORM	16	UJ	Y
BROMOMETHANE	32	UJ	Y
CARBON DISULFIDE	16	UJ	Y
CARBON TETRACHLORIDE	16	UJ	Y
CHLOROBENZENE	16	UJ	Y
CHLORODIBROMOMETHANE	16	UJ	Y
CHLOROETHANE	32	UJ	Y
CHLOROFORM	16	UJ	Y
CHLOROMETHANE	32	UJ	Y
CIS-1,2-DICHLOROETHENE	16	UJ	Y
CIS-1,3-DICHLOROPROPENE	16	UJ	Y
DIBROMOMETHANE	16	UJ	Y
DICHLORODIFLUOROMETHANE	32	UJ	Y
DIISOPROPYL ETHER	16	UJ	Y
ETHYL TERT-BUTYL ETHER	16	UJ	Y
ETHYLBENZENE	16	UJ	Y
HEXACHLOROBUTADIENE	16	UJ	Y
ISOPROPYLBENZENE	16	UJ	Y
M+P-XYLENES	32	UJ	Y
METHYL TERT-BUTYL ETHER	32	UJ	Y
METHYLENE CHLORIDE	16	B	A
NAPHTHALENE	16	UJ	Y
N-BUTYLBENZENE	16	UJ	Y
N-PROPYLBENZENE	16	UJ	Y
O-XYLENE	16	UJ	Y
SEC-BUTYLBENZENE	16	UJ	Y
STYRENE	16	UJ	Y
TERT-AMYL METHYL ETHER	16	UJ	Y
TERT-BUTYLBENZENE	16	UJ	Y
TERTIARY-BUTYL ALCOHOL	32	UR	C
TETRACHLOROETHENE	16	UJ	Y

Parameter	Result	Val Qual	Qual Code
TOLUENE	16	UJ	Y
TOTAL 1,2-DICHLOROETHENE	32	UJ	Y
TOTAL XYLENES	48	UJ	Y
TRANS-1,2-DICHLOROETHENE	16	UJ	Y
TRANS-1,3-DICHLOROPROPENE	16	UJ	Y
TRICHLOROETHENE	16	UJ	Y
TRICHLOROFLUOROMETHANE	32	UJ	Y
VINYL ACETATE	16	UJ	Y
VINYL CHLORIDE	32	UJ	Y

PROJ_NO: 00275

SDG: MID-5 MEDIA: SOIL DATA FRACTION: OV

nsample	SD-20-SS	nsample	SD-20-SS	nsample	SD-20-SS
samp_date	10/21/2005	samp_date	10/21/2005	samp_date	10/21/2005
lab_id	WV5604-7	lab_id	WV5604-7	lab_id	WV5604-7
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	22.1	Pct_Solids	22.1	Pct_Solids	22.1
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	22	UJ	Y
1,1,1-TRICHLOROETHANE	22	UJ	Y
1,1,2,2-TETRACHLOROETHANE	22	UJ	Y
1,1,2-TRICHLOROTRIFLUOROETHANE	22	UJ	Y
1,1-DICHLOROETHANE	22	UJ	Y
1,1-DICHLOROETHENE	22	UJ	Y
1,1-DICHLOROPROPENE	22	UJ	Y
1,2,3-TRICHLOROBENZENE	22	UJ	Y
1,2,3-TRICHLOROPROPANE	22	UJ	Y
1,2,3-TRIMETHYLBENZENE	22	UJ	Y
1,2,4-TRICHLOROBENZENE	22	B	A
1,2,4-TRIMETHYLBENZENE	22	UJ	Y
1,2-DIBROMO-3-CHLOROPROPANE	22	UJ	Y
1,2-DIBROMOETHANE	22	UJ	Y
1,2-DICHLOROBENZENE	22	UJ	Y
1,2-DICHLOROETHANE	22	UJ	Y
1,2-DICHLOROPROPANE	22	UJ	Y
1,3-DICHLOROBENZENE	22	UJ	Y
1,3-DICHLOROPROPANE	22	UJ	Y
1,4-DICHLOROBENZENE	2	J	PY
2,2-DICHLOROPROPANE	22	UJ	Y
2-BUTANONE	110	UR	C
2-CHLOROETHYL VINYL ETHER	22	UJ	Y
2-CHLOROTOLUENE	22	UJ	Y
2-HEXANONE	110	UJ	Y
4-CHLOROTOLUENE	22	UJ	Y
4-ISOPROPYLTOLUENE	22	UJ	Y
4-METHYL-2-PENTANONE	110	UJ	Y
ACETONE	230	B	A
BENZENE	22	UJ	Y
BROMOBENZENE	22	UJ	Y
BROMOCHLOROMETHANE	22	UJ	Y

Parameter	Result	Val Qual	Qual Code
BROMODICHLOROMETHANE	22	UJ	Y
BROMOFORM	22	UJ	Y
BROMOMETHANE	45	UJ	Y
CARBON DISULFIDE	22	UJ	Y
CARBON TETRACHLORIDE	22	UJ	Y
CHLOROBENZENE	22	UJ	Y
CHLORODIBROMOMETHANE	22	UJ	Y
CHLOROETHANE	45	UJ	Y
CHLOROFORM	22	UJ	Y
CHLOROMETHANE	45	UJ	Y
CIS-1,2-DICHLOROETHENE	22	UJ	Y
CIS-1,3-DICHLOROPROPENE	22	UJ	Y
DIBROMOMETHANE	22	UJ	Y
DICHLORODIFLUOROMETHANE	45	UJ	Y
DIISOPROPYL ETHER	22	UJ	Y
ETHYL TERT-BUTYL ETHER	22	UJ	Y
ETHYLBENZENE	22	UJ	Y
HEXACHLOROBUTADIENE	22	UJ	Y
ISOPROPYLBENZENE	22	UJ	Y
M+P-XYLENES	45	UJ	Y
METHYL TERT-BUTYL ETHER	6	J	PY
METHYLENE CHLORIDE	22	UJ	Y
NAPHTHALENE	22	UJ	Y
N-BUTYLBENZENE	22	UJ	Y
N-PROPYLBENZENE	22	UJ	Y
O-XYLENE	22	UJ	Y
SEC-BUTYLBENZENE	22	UJ	Y
STYRENE	22	UJ	Y
TERT-AMYL METHYL ETHER	22	UJ	Y
TERT-BUTYLBENZENE	22	UJ	Y
TERTIARY-BUTYL ALCOHOL	45	UR	C
TETRACHLOROETHENE	22	UJ	Y

Parameter	Result	Val Qual	Qual Code
TOLUENE	22	UJ	Y
TOTAL 1,2-DICHLOROETHENE	45	UJ	Y
TOTAL XYLENES	68	UJ	Y
TRANS-1,2-DICHLOROETHENE	22	UJ	Y
TRANS-1,3-DICHLOROPROPENE	22	UJ	Y
TRICHLOROETHENE	22	UJ	Y
TRICHLOROFLUOROMETHANE	45	UJ	Y
VINYL ACETATE	22	UJ	Y
VINYL CHLORIDE	45	UJ	Y

PROJ_NO: 00275

SDG: MID-5 MEDIA: SOIL DATA FRACTION: OV

nsample	SD-21-SS	nsample	SD-21-SS	nsample	SD-21-SS
samp_date	10/21/2005	samp_date	10/21/2005	samp_date	10/21/2005
lab_id	WV5604-8	lab_id	WV5604-8	lab_id	WV5604-8
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	25.2	Pct_Solids	25.2	Pct_Solids	25.2
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	20	UJ	Y
1,1,1-TRICHLOROETHANE	20	UJ	Y
1,1,2,2-TETRACHLOROETHANE	20	UJ	Y
1,1,2-TRICHLOROTRIFLUOROETHANE	20	UJ	Y
1,1-DICHLOROETHANE	20	UJ	Y
1,1-DICHLOROETHENE	20	UJ	Y
1,1-DICHLOROPROPENE	20	UJ	Y
1,2,3-TRICHLOROBENZENE	20	UJ	Y
1,2,3-TRICHLOROPROPANE	20	UJ	Y
1,2,3-TRIMETHYLBENZENE	20	UJ	Y
1,2,4-TRICHLOROBENZENE	20	B	A
1,2,4-TRIMETHYLBENZENE	20	UJ	Y
1,2-DIBROMO-3-CHLOROPROPANE	20	UJ	Y
1,2-DIBROMOETHANE	20	UJ	Y
1,2-DICHLOROBENZENE	20	UJ	Y
1,2-DICHLOROETHANE	20	UJ	Y
1,2-DICHLOROPROPANE	20	UJ	Y
1,3-DICHLOROBENZENE	20	UJ	Y
1,3-DICHLOROPROPANE	20	UJ	Y
1,4-DICHLOROBENZENE	1	J	PY
2,2-DICHLOROPROPANE	20	UJ	Y
2-BUTANONE	99	UR	C
2-CHLOROETHYL VINYL ETHER	20	UJ	Y
2-CHLOROTOLUENE	20	UJ	Y
2-HEXANONE	99	UJ	Y
4-CHLOROTOLUENE	20	UJ	Y
4-ISOPROPYLTOLUENE	20	UJ	Y
4-METHYL-2-PENTANONE	99	UJ	Y
ACETONE	200	B	A
BENZENE	20	UJ	Y
BROMOBENZENE	20	UJ	Y
BROMOCHLOROMETHANE	20	UJ	Y

Parameter	Result	Val Qual	Qual Code
BROMODICHLOROMETHANE	20	UJ	Y
BROMOFORM	20	UJ	Y
BROMOMETHANE	40	UJ	Y
CARBON DISULFIDE	20	UJ	Y
CARBON TETRACHLORIDE	20	UJ	Y
CHLOROBENZENE	20	UJ	Y
CHLORODIBROMOMETHANE	20	UJ	Y
CHLOROETHANE	40	UJ	Y
CHLOROFORM	20	UJ	Y
CHLOROMETHANE	40	UJ	Y
CIS-1,2-DICHLOROETHENE	20	UJ	Y
CIS-1,3-DICHLOROPROPENE	20	UJ	Y
DIBROMOMETHANE	20	UJ	Y
DICHLORODIFLUOROMETHANE	40	UJ	Y
DIISOPROPYL ETHER	20	UJ	Y
ETHYL TERT-BUTYL ETHER	20	UJ	Y
ETHYLBENZENE	20	UJ	Y
HEXACHLOROBUTADIENE	20	UJ	Y
ISOPROPYLBENZENE	20	UJ	Y
M+P-XYLENES	40	UJ	Y
METHYL TERT-BUTYL ETHER	8	J	PY
METHYLENE CHLORIDE	20	UJ	Y
NAPHTHALENE	20	UJ	Y
N-BUTYLBENZENE	20	UJ	Y
N-PROPYLBENZENE	20	UJ	Y
O-XYLENE	20	UJ	Y
SEC-BUTYLBENZENE	20	UJ	Y
STYRENE	20	UJ	Y
TERT-AMYL METHYL ETHER	20	UJ	Y
TERT-BUTYLBENZENE	20	UJ	Y
TERTIARY-BUTYL ALCOHOL	40	UR	C
TETRACHLOROETHENE	20	UJ	Y

Parameter	Result	Val Qual	Qual Code
TOLUENE	20	UJ	Y
TOTAL 1,2-DICHLOROETHENE	40	UJ	Y
TOTAL XYLENES	59	UJ	Y
TRANS-1,2-DICHLOROETHENE	20	UJ	Y
TRANS-1,3-DICHLOROPROPENE	20	UJ	Y
TRICHLOROETHENE	20	UJ	Y
TRICHLOROFLUOROMETHANE	40	UJ	Y
VINYL ACETATE	20	UJ	Y
VINYL CHLORIDE	40	UJ	Y

PROJ_NO: 00275

SDG: MID-5 MEDIA: SOIL DATA FRACTION: OV

nsample	SD-22-SS
samp_date	10/21/2005
lab_id	WV5604-9
qc_type	NM
units	UG/KG
Pct_Solids	22.9
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	22	UJ	Y
1,1,1-TRICHLOROETHANE	22	UJ	Y
1,1,2,2-TETRACHLOROETHANE	22	UJ	Y
1,1,2-TRICHLOROTRIFLUOROETHANE	22	UJ	Y
1,1-DICHLOROETHANE	22	UJ	Y
1,1-DICHLOROETHENE	22	UJ	Y
1,1-DICHLOROPROPENE	22	UJ	Y
1,2,3-TRICHLOROBENZENE	22	UJ	Y
1,2,3-TRICHLOROPROPANE	22	UJ	Y
1,2,3-TRIMETHYLBENZENE	22	UJ	Y
1,2,4-TRICHLOROBENZENE	22	B	A
1,2,4-TRIMETHYLBENZENE	22	UJ	Y
1,2-DIBROMO-3-CHLOROPROPANE	22	UJ	Y
1,2-DIBROMOETHANE	22	UJ	Y
1,2-DICHLOROBENZENE	22	UJ	Y
1,2-DICHLOROETHANE	22	UJ	Y
1,2-DICHLOROPROPANE	22	UJ	Y
1,3-DICHLOROBENZENE	2	J	PY
1,3-DICHLOROPROPANE	22	UJ	Y
1,4-DICHLOROBENZENE	3	J	PY
2,2-DICHLOROPROPANE	22	UJ	Y
2-BUTANONE	110	UR	C
2-CHLOROETHYL VINYL ETHER	22	UJ	Y
2-CHLOROTOLUENE	22	UJ	Y
2-HEXANONE	110	UJ	Y
4-CHLOROTOLUENE	22	UJ	Y
4-ISOPROPYLTOLUENE	22	UJ	Y
4-METHYL-2-PENTANONE	110	UJ	Y
ACETONE	240	B	A
BENZENE	22	UJ	Y
BROMOBENZENE	22	UJ	Y
BROMOCHLOROMETHANE	22	UJ	Y

nsample	SD-22-SS
samp_date	10/21/2005
lab_id	WV5604-9
qc_type	NM
units	UG/KG
Pct_Solids	22.9
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BROMODICHLOROMETHANE	22	UJ	Y
BROMOFORM	22	UJ	Y
BROMOMETHANE	44	UJ	Y
CARBON DISULFIDE	22	UJ	Y
CARBON TETRACHLORIDE	22	UJ	Y
CHLOROBENZENE	3	J	PY
CHLORODIBROMOMETHANE	22	UJ	Y
CHLOROETHANE	44	UJ	Y
CHLOROFORM	22	UJ	Y
CHLOROMETHANE	44	UJ	Y
CIS-1,2-DICHLOROETHENE	22	UJ	Y
CIS-1,3-DICHLOROPROPENE	22	UJ	Y
DIBROMOMETHANE	22	UJ	Y
DICHLORODIFLUOROMETHANE	44	UJ	Y
DIISOPROPYL ETHER	22	UJ	Y
ETHYL TERT-BUTYL ETHER	22	UJ	Y
ETHYLBENZENE	22	UJ	Y
HEXACHLOROBUTADIENE	22	UJ	Y
ISOPROPYLBENZENE	22	UJ	Y
M+P-XYLENES	44	UJ	Y
METHYL TERT-BUTYL ETHER	5	J	PY
METHYLENE CHLORIDE	22	UJ	Y
NAPHTHALENE	22	UJ	Y
N-BUTYLBENZENE	22	UJ	Y
N-PROPYLBENZENE	22	UJ	Y
O-XYLENE	22	UJ	Y
SEC-BUTYLBENZENE	22	UJ	Y
STYRENE	22	UJ	Y
TERT-AMYL METHYL ETHER	22	UJ	Y
TERT-BUTYLBENZENE	22	UJ	Y
TERTIARY-BUTYL ALCOHOL	44	UR	C
TETRACHLOROETHENE	22	UJ	Y

nsample	SD-22-SS
samp_date	10/21/2005
lab_id	WV5604-9
qc_type	NM
units	UG/KG
Pct_Solids	22.9
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOLUENE	22	UJ	Y
TOTAL 1,2-DICHLOROETHENE	44	UJ	Y
TOTAL XYLENES	65	UJ	Y
TRANS-1,2-DICHLOROETHENE	22	UJ	Y
TRANS-1,3-DICHLOROPROPENE	22	UJ	Y
TRICHLOROETHENE	22	UJ	Y
TRICHLOROFLUOROMETHANE	44	UJ	Y
VINYL ACETATE	22	UJ	Y
VINYL CHLORIDE	44	UJ	Y

PROJ_NO: 00275

SDG: MID-5 MEDIA: SOIL DATA FRACTION: OV

nsample	SD-23-SS
samp_date	10/21/2005
lab_id	WV5604-10
qc_type	NM
units	UG/KG
Pct_Solids	23.1
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	22	UJ	Y
1,1,1-TRICHLOROETHANE	22	UJ	Y
1,1,2,2-TETRACHLOROETHANE	22	UJ	Y
1,1,2-TRICHLOROTRIFLUOROETHANE	22	UJ	Y
1,1-DICHLOROETHANE	22	UJ	Y
1,1-DICHLOROETHENE	22	UJ	Y
1,1-DICHLOROPROPENE	22	UJ	Y
1,2,3-TRICHLOROBENZENE	22	UJ	Y
1,2,3-TRICHLOROPROPANE	22	UJ	Y
1,2,3-TRIMETHYLBENZENE	22	UJ	Y
1,2,4-TRICHLOROBENZENE	22	B	A
1,2,4-TRIMETHYLBENZENE	22	UJ	Y
1,2-DIBROMO-3-CHLOROPROPANE	22	UJ	Y
1,2-DIBROMOETHANE	22	UJ	Y
1,2-DICHLOROBENZENE	22	UJ	Y
1,2-DICHLOROETHANE	22	UJ	Y
1,2-DICHLOROPROPANE	22	UJ	Y
1,3-DICHLOROBENZENE	22	UJ	Y
1,3-DICHLOROPROPANE	22	UJ	Y
1,4-DICHLOROBENZENE	1	J	PY
2,2-DICHLOROPROPANE	22	UJ	Y
2-BUTANONE	110	UR	C
2-CHLOROETHYL VINYL ETHER	22	UJ	Y
2-CHLOROTOLUENE	22	UJ	Y
2-HEXANONE	110	UJ	Y
4-CHLOROTOLUENE	22	UJ	Y
4-ISOPROPYLTOLUENE	22	UJ	Y
4-METHYL-2-PENTANONE	110	UJ	Y
ACETONE	140	B	A
BENZENE	22	UJ	Y
BROMOBENZENE	22	UJ	Y
BROMOCHLOROMETHANE	22	UJ	Y

nsample	SD-23-SS
samp_date	10/21/2005
lab_id	WV5604-10
qc_type	NM
units	UG/KG
Pct_Solids	23.1
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BROMODICHLOROMETHANE	22	UJ	Y
BROMOFORM	22	UJ	Y
BROMOMETHANE	43	UJ	Y
CARBON DISULFIDE	22	UJ	Y
CARBON TETRACHLORIDE	22	UJ	Y
CHLOROBENZENE	22	UJ	Y
CHLORODIBROMOMETHANE	22	UJ	Y
CHLOROETHANE	43	UJ	Y
CHLOROFORM	22	UJ	Y
CHLOROMETHANE	43	UJ	Y
CIS-1,2-DICHLOROETHENE	22	UJ	Y
CIS-1,3-DICHLOROPROPENE	22	UJ	Y
DIBROMOMETHANE	22	UJ	Y
DICHLORODIFLUOROMETHANE	43	UJ	Y
DIISOPROPYL ETHER	22	UJ	Y
ETHYL TERT-BUTYL ETHER	22	UJ	Y
ETHYLBENZENE	22	UJ	Y
HEXACHLOROBUTADIENE	22	UJ	Y
ISOPROPYLBENZENE	22	UJ	Y
M+P-XYLENES	43	UJ	Y
METHYL TERT-BUTYL ETHER	9	J	PY
METHYLENE CHLORIDE	22	UJ	Y
NAPHTHALENE	22	UJ	Y
N-BUTYLBENZENE	22	UJ	Y
N-PROPYLBENZENE	22	UJ	Y
O-XYLENE	22	UJ	Y
SEC-BUTYLBENZENE	22	UJ	Y
STYRENE	22	UJ	Y
TERT-AMYL METHYL ETHER	22	UJ	Y
TERT-BUTYLBENZENE	22	UJ	Y
TERTIARY-BUTYL ALCOHOL	43	UR	C
TETRACHLOROETHENE	22	UJ	Y

nsample	SD-23-SS
samp_date	10/21/2005
lab_id	WV5604-10
qc_type	NM
units	UG/KG
Pct_Solids	23.1
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOLUENE	22	UJ	Y
TOTAL 1,2-DICHLOROETHENE	43	UJ	Y
TOTAL XYLENES	65	UJ	Y
TRANS-1,2-DICHLOROETHENE	22	UJ	Y
TRANS-1,3-DICHLOROPROPENE	22	UJ	Y
TRICHLOROETHENE	22	UJ	Y
TRICHLOROFLUOROMETHANE	43	UJ	Y
VINYL ACETATE	22	UJ	Y
VINYL CHLORIDE	43	UJ	Y

PROJ_NO: 00275

SDG: MID-5 MEDIA: SOIL DATA FRACTION: OS

nsample	SD-13-01	nsample	SD-13-01	nsample	SD-13-01
samp_date	10/20/2005	samp_date	10/20/2005	samp_date	10/20/2005
lab_id	WV5583-2	lab_id	WV5583-2	lab_id	WV5583-2
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	32.3	Pct_Solids	32.3	Pct_Solids	32.3
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	1000	U	
1,2-DICHLOROBENZENE	260	J	P
1,3-DICHLOROBENZENE	1000	U	
1,4-DICHLOROBENZENE	180	J	P
1,4-DIOXANE	1000	U	
1-METHYLNAPHTHALENE	1000	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	1000	U	
2,4,5-TRICHLOROPHENOL	2500	U	
2,4,6-TRICHLOROPHENOL	1000	U	
2,4-DICHLOROPHENOL	1000	U	
2,4-DIMETHYLPHENOL	1000	U	
2,4-DINITROPHENOL	2500	U	
2,4-DINITROTOLUENE	1000	U	
2,6-DINITROTOLUENE	1000	U	
2-CHLORONAPHTHALENE	1000	U	
2-CHLOROPHENOL	1000	U	
2-METHYLNAPHTHALENE	340	J	P
2-METHYLPHENOL	1000	U	
2-NITROANILINE	2500	U	
2-NITROPHENOL	1000	U	
3&4-METHYLPHENOL	1000	U	
3,3'-DICHLOROBENZIDINE	1000	UJ	N
3-NITROANILINE	2500	U	
4,6-DINITRO-2-METHYLPHENOL	2500	UJ	N
4-BROMOPHENYL PHENYL ETHER	1000	UJ	N
4-CHLORO-3-METHYLPHENOL	1000	U	
4-CHLOROANILINE	1000	U	
4-CHLOROPHENYL PHENYL ETHER	1000	U	
4-NITROANILINE	2500	U	
4-NITROPHENOL	2500	U	
ACENAPHTHENE	750	J	P
ACENAPHTHYLENE	1000	U	

Parameter	Result	Val Qual	Qual Code
ANILINE	1000	U	
ANTHRACENE	1600	J	N
AZOBENZENE	1000	U	
BENZIDINE	2500	UJ	N
BENZO(A)ANTHRACENE	7600	J	N
BENZO(A)PYRENE	7300	J	N
BENZO(B)FLUORANTHENE	10000	J	N
BENZO(G,H,I)PERYLENE	4800	J	N
BENZO(K)FLUORANTHENE	4500	J	N
BENZOIC ACID	2500	U	
BENZYL ALCOHOL	1000	UJ	C
BIS(2-CHLOROETHOXY)METHANE	1000	U	
BIS(2-CHLOROETHYL)ETHER	1000	U	
BIS(2-ETHYLHEXYL)PHTHALATE	3400	J	N
BUTYL BENZYL PHTHALATE	830	J	NP
CARBAZOLE	1000	J	NP
CHRYSENE	9300	J	N
DIBENZO(A,H)ANTHRACENE	790	J	NP
DIBENZOFURAN	400	J	P
DIETHYL PHTHALATE	1000	U	
DIMETHYL PHTHALATE	1000	U	
DI-N-BUTYL PHTHALATE	1000	UJ	N
DI-N-OCTYL PHTHALATE	1000	UJ	N
FLUORANTHENE	11000	J	N
FLUORENE	570	J	P
HEXACHLOROBENZENE	1000	UJ	N
HEXACHLOROBUTADIENE	1000	U	
HEXACHLOROCYCLOPENTADIENE	1000	U	
HEXACHLOROETHANE	1000	U	
INDENO(1,2,3-CD)PYRENE	5600	J	N
ISOPHORONE	1000	U	
NAPHTHALENE	550	J	P

Parameter	Result	Val Qual	Qual Code
NITROBENZENE	1000	U	
N-NITROSODIMETHYLAMINE	1000	U	
N-NITROSO-DI-N-PROPYLAMINE	1000	U	
N-NITROSODIPHENYLAMINE	1000	UJ	N
PENTACHLOROPHENOL	2500	UJ	N
PHENANTHRENE	7900	J	N
PHENOL	1000	U	
PYRIDINE	1000	U	

PROJ_NO: 00275

SDG: MID-5 MEDIA: SOIL DATA FRACTION: OS

nsample	SD-13-01DL
samp_date	10/20/2005
lab_id	WV5583-2DL
qc_type	NM
units	UG/KG
Pct_Solids	32.3
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
PYRENE	24000	J	N

nsample	SD-13-02
samp_date	10/20/2005
lab_id	WV5583-3
qc_type	NM
units	UG/KG
Pct_Solids	41.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	800	U	
1,2-DICHLOROBENZENE	800	U	
1,3-DICHLOROBENZENE	800	U	
1,4-DICHLOROBENZENE	800	U	
1,4-DIOXANE	800	U	
1-METHYLNAPHTHALENE	800	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	800	U	
2,4,5-TRICHLOROPHENOL	2000	U	
2,4,6-TRICHLOROPHENOL	800	U	
2,4-DICHLOROPHENOL	800	U	
2,4-DIMETHYLPHENOL	800	U	
2,4-DINITROPHENOL	2000	U	
2,4-DINITROTOLUENE	800	U	
2,6-DINITROTOLUENE	800	U	
2-CHLORONAPHTHALENE	800	U	
2-CHLOROPHENOL	800	U	
2-METHYLNAPHTHALENE	520	J	P
2-METHYLPHENOL	800	U	
2-NITROANILINE	2000	U	
2-NITROPHENOL	800	U	
3&4-METHYLPHENOL	800	U	
3,3'-DICHLOROBENZIDINE	800	UJ	N
3-NITROANILINE	2000	U	
4,6-DINITRO-2-METHYLPHENOL	2000	UJ	N
4-BROMOPHENYL PHENYL ETHER	800	UJ	N
4-CHLORO-3-METHYLPHENOL	800	U	
4-CHLOROANILINE	800	U	
4-CHLOROPHENYL PHENYL ETHER	800	U	
4-NITROANILINE	2000	U	
4-NITROPHENOL	2000	U	
ACENAPHTHENE	600	J	P
ACENAPHTHYLENE	110	J	P

nsample	SD-13-02
samp_date	10/20/2005
lab_id	WV5583-3
qc_type	NM
units	UG/KG
Pct_Solids	41.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANILINE	800	U	
ANTHRACENE	1400	J	N
AZOBENZENE	800	U	
BENZIDINE	2000	UJ	N
BENZO(A)ANTHRACENE	5800	J	N
BENZO(A)PYRENE	6000	J	N
BENZO(B)FLUORANTHENE	8400	J	N
BENZO(G,H,I)PERYLENE	3900	J	N
BENZO(K)FLUORANTHENE	3400	J	N
BENZOIC ACID	2000	U	
BENZYL ALCOHOL	800	UJ	C
BIS(2-CHLOROETHOXY)METHANE	800	U	
BIS(2-CHLOROETHYL)ETHER	800	U	
BIS(2-ETHYLHEXYL)PHTHALATE	350	J	NP
BUTYL BENZYL PHTHALATE	800	UJ	N
CARBAZOLE	400	J	NP
CHRYSENE	8900	J	N
DIBENZO(A,H)ANTHRACENE	1100	J	N
DIBENZOFURAN	330	J	P
DIETHYL PHTHALATE	800	U	
DIMETHYL PHTHALATE	800	U	
DI-N-BUTYL PHTHALATE	800	UJ	N
DI-N-OCTYL PHTHALATE	800	UJ	N
FLUORANTHENE	9700	J	N
FLUORENE	920		
HEXACHLOROBENZENE	800	UJ	N
HEXACHLOROBUTADIENE	800	U	
HEXACHLOROCYCLOPENTADIENE	800	U	
HEXACHLOROETHANE	800	U	
INDENO(1,2,3-CD)PYRENE	4000	J	N
ISOPHORONE	800	U	
NAPHTHALENE	860		

PROJ_NO: 00275

SDG: MID-5 MEDIA: SOIL DATA FRACTION: OS

nsample	SD-13-02
samp_date	10/20/2005
lab_id	WV5583-3
qc_type	NM
units	UG/KG
Pct_Solids	41.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
NITROBENZENE	800	U	
N-NITROSODIMETHYLAMINE	800	U	
N-NITROSO-DI-N-PROPYLAMINE	800	U	
N-NITROSODIPHENYLAMINE	800	UJ	N
PENTACHLOROPHENOL	2000	UJ	N
PHENANTHRENE	6200	J	N
PHENOL	800	U	
PYRIDINE	800	U	

nsample	SD-13-02DL
samp_date	10/20/2005
lab_id	WV5583-3DL
qc_type	NM
units	UG/KG
Pct_Solids	41.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
PYRENE	24000	J	N

nsample	SD-13-SS
samp_date	10/20/2005
lab_id	WV5583-1
qc_type	NM
units	UG/KG
Pct_Solids	25.6
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	1300	UJ	Y
1,2-DICHLOROBENZENE	1300	UJ	Y
1,3-DICHLOROBENZENE	1300	UJ	Y
1,4-DICHLOROBENZENE	230	J	PY
1,4-DIOXANE	1300	UJ	Y
1-METHYLNAPHTHALENE	1300	UJ	Y
2,2'-OXYBIS(1-CHLOROPROPANE)	1300	UJ	Y
2,4,5-TRICHLOROPHENOL	3200	UJ	Y
2,4,6-TRICHLOROPHENOL	1300	UJ	Y
2,4-DICHLOROPHENOL	1300	UJ	Y
2,4-DIMETHYLPHENOL	1300	UJ	Y
2,4-DINITROPHENOL	3200	UJ	Y
2,4-DINITROTOLUENE	1300	UJ	Y
2,6-DINITROTOLUENE	1300	UJ	Y
2-CHLORONAPHTHALENE	1300	UJ	Y
2-CHLOROPHENOL	1300	UJ	Y
2-METHYLNAPHTHALENE	1300	UJ	Y
2-METHYLPHENOL	1300	UJ	Y
2-NITROANILINE	3200	UJ	Y
2-NITROPHENOL	1300	UJ	Y
3&4-METHYLPHENOL	1300	UJ	Y
3,3'-DICHLOROBENZIDINE	1300	UJ	NY
3-NITROANILINE	3200	UJ	Y
4,6-DINITRO-2-METHYLPHENOL	3200	UJ	Y
4-BROMOPHENYL PHENYL ETHER	1300	UJ	Y
4-CHLORO-3-METHYLPHENOL	1300	UJ	Y
4-CHLOROANILINE	1300	UJ	Y
4-CHLOROPHENYL PHENYL ETHER	1300	UJ	Y
4-NITROANILINE	3200	UJ	Y
4-NITROPHENOL	3200	UJ	Y
ACENAPHTHENE	1300	UJ	Y
ACENAPHTHYLENE	1300	UJ	Y

PROJ_NO: 00275

SDG: MID-5 MEDIA: SOIL DATA FRACTION: OS

nsample	SD-13-SS
samp_date	10/20/2005
lab_id	WV5583-1
qc_type	NM
units	UG/KG
Pct_Solids	25.6
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANILINE	1300	UJ	Y
ANTHRACENE	310	J	PY
AZOBENZENE	1300	UJ	Y
BENZIDINE	3200	UJ	NY
BENZO(A)ANTHRACENE	2000	J	NY
BENZO(A)PYRENE	2500	J	NY
BENZO(B)FLUORANTHENE	3700	J	NY
BENZO(G,H,I)PERYLENE	2000	J	NY
BENZO(K)FLUORANTHENE	1800	J	NY
BENZOIC ACID	3200	UJ	Y
BENZYL ALCOHOL	1300	UJ	CY
BIS(2-CHLOROETHOXY)METHANE	1300	UJ	Y
BIS(2-CHLOROETHYL)ETHER	1300	UJ	Y
BIS(2-ETHYLHEXYL)PHTHALATE	1400	J	NY
BUTYL BENZYL PHTHALATE	1300	UJ	NY
CARBAZOLE	1300	UJ	Y
CHRYSENE	3000	J	NY
DIBENZO(A,H)ANTHRACENE	1300	UJ	NY
DIBENZOFURAN	1300	UJ	Y
DIETHYL PHTHALATE	1300	UJ	Y
DIMETHYL PHTHALATE	1300	UJ	Y
DI-N-BUTYL PHTHALATE	1300	UJ	Y
DI-N-OCTYL PHTHALATE	1300	UJ	NY
FLUORANTHENE	4200	J	Y
FLUORENE	1300	UJ	Y
HEXACHLOROBENZENE	1300	UJ	Y
HEXACHLOROBUTADIENE	1300	UJ	Y
HEXACHLOROCYCLOPENTADIENE	1300	UJ	Y
HEXACHLOROETHANE	1300	UJ	Y
INDENO(1,2,3-CD)PYRENE	2000	J	NY
ISOPHORONE	1300	UJ	Y
NAPHTHALENE	250	J	PY

nsample	SD-13-SS
samp_date	10/20/2005
lab_id	WV5583-1
qc_type	NM
units	UG/KG
Pct_Solids	25.6
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
NITROBENZENE	1300	UJ	Y
N-NITROSODIMETHYLAMINE	1300	UJ	Y
N-NITROSO-DI-N-PROPYLAMINE	1300	UJ	Y
N-NITROSODIPHENYLAMINE	1300	UJ	Y
PENTACHLOROPHENOL	3200	UJ	Y
PHENANTHRENE	1500	J	Y
PHENOL	1300	UJ	Y
PYRENE	6800	J	NY
PYRIDINE	1300	UJ	Y

nsample	SD-14-01
samp_date	10/20/2005
lab_id	WV5583-5
qc_type	NM
units	UG/KG
Pct_Solids	46.3
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	710	U	
1,2-DICHLOROBENZENE	710	U	
1,3-DICHLOROBENZENE	710	U	
1,4-DICHLOROBENZENE	710	U	
1,4-DIOXANE	710	U	
1-METHYLNAPHTHALENE	710	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	710	U	
2,4,5-TRICHLOROPHENOL	1800	U	
2,4,6-TRICHLOROPHENOL	710	U	
2,4-DICHLOROPHENOL	710	U	
2,4-DIMETHYLPHENOL	710	U	
2,4-DINITROPHENOL	1800	U	
2,4-DINITROTOLUENE	710	U	
2,6-DINITROTOLUENE	710	U	
2-CHLORONAPHTHALENE	710	U	
2-CHLOROPHENOL	710	U	
2-METHYLNAPHTHALENE	710	U	
2-METHYLPHENOL	710	U	
2-NITROANILINE	1800	U	
2-NITROPHENOL	710	U	
3&4-METHYLPHENOL	710	U	
3,3'-DICHLOROBENZIDINE	710	U	
3-NITROANILINE	1800	U	
4,6-DINITRO-2-METHYLPHENOL	1800	U	
4-BROMOPHENYL PHENYL ETHER	710	U	
4-CHLORO-3-METHYLPHENOL	710	U	
4-CHLOROANILINE	710	U	
4-CHLOROPHENYL PHENYL ETHER	710	U	
4-NITROANILINE	1800	U	
4-NITROPHENOL	1800	U	
ACENAPHTHENE	710	U	
ACENAPHTHYLENE	710	U	

PROJ_NO: 00275

SDG: MID-5 MEDIA: SOIL DATA FRACTION: OS

nsample	SD-14-01
samp_date	10/20/2005
lab_id	WV5583-5
qc_type	NM
units	UG/KG
Pct_Solids	46.3
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANILINE	710	U	
ANTHRACENE	710	U	
AZOBENZENE	710	U	
BENZIDINE	1800	U	
BENZO(A)ANTHRACENE	710	U	
BENZO(A)PYRENE	710	U	
BENZO(B)FLUORANTHENE	710	U	
BENZO(G,H,I)PERYLENE	710	U	
BENZO(K)FLUORANTHENE	710	U	
BENZOIC ACID	1800	U	
BENZYL ALCOHOL	710	UJ	C
BIS(2-CHLOROETHOXY)METHANE	710	U	
BIS(2-CHLOROETHYL)ETHER	710	U	
BIS(2-ETHYLHEXYL)PHTHALATE	710	U	
BUTYL BENZYL PHTHALATE	710	U	
CARBAZOLE	710	U	
CHRYSENE	710	U	
DIBENZO(A,H)ANTHRACENE	710	U	
DIBENZOFURAN	710	U	
DIETHYL PHTHALATE	710	U	
DIMETHYL PHTHALATE	710	U	
DI-N-BUTYL PHTHALATE	710	U	
DI-N-OCTYL PHTHALATE	710	U	
FLUORANTHENE	710	U	
FLUORENE	710	U	
HEXACHLOROBENZENE	710	U	
HEXACHLOROBUTADIENE	710	U	
HEXACHLOROCYCLOPENTADIENE	710	U	
HEXACHLOROETHANE	710	U	
INDENO(1,2,3-CD)PYRENE	710	U	
ISOPHORONE	710	U	
NAPHTHALENE	710	U	

nsample	SD-14-01
samp_date	10/20/2005
lab_id	WV5583-5
qc_type	NM
units	UG/KG
Pct_Solids	46.3
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
NITROBENZENE	710	U	
N-NITROSODIMETHYLAMINE	710	U	
N-NITROSO-DI-N-PROPYLAMINE	710	U	
N-NITROSODIPHENYLAMINE	710	U	
PENTACHLOROPHENOL	1800	U	
PHENANTHRENE	710	U	
PHENOL	710	U	
PYRENE	710	U	
PYRIDINE	710	U	

nsample	SD-14-02
samp_date	10/20/2005
lab_id	WV5583-6
qc_type	NM
units	UG/KG
Pct_Solids	48.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	680	U	
1,2-DICHLOROBENZENE	680	U	
1,3-DICHLOROBENZENE	680	U	
1,4-DICHLOROBENZENE	680	U	
1,4-DIOXANE	680	U	
1-METHYLNAPHTHALENE	680	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	680	U	
2,4,5-TRICHLOROPHENOL	1700	U	
2,4,6-TRICHLOROPHENOL	680	U	
2,4-DICHLOROPHENOL	680	U	
2,4-DIMETHYLPHENOL	680	U	
2,4-DINITROPHENOL	1700	U	
2,4-DINITROTOLUENE	680	U	
2,6-DINITROTOLUENE	680	U	
2-CHLORONAPHTHALENE	680	U	
2-CHLOROPHENOL	680	U	
2-METHYLNAPHTHALENE	680	U	
2-METHYLPHENOL	680	U	
2-NITROANILINE	1700	U	
2-NITROPHENOL	680	U	
3&4-METHYLPHENOL	680	U	
3,3'-DICHLOROBENZIDINE	680	U	
3-NITROANILINE	1700	U	
4,6-DINITRO-2-METHYLPHENOL	1700	U	
4-BROMOPHENYL PHENYL ETHER	680	U	
4-CHLORO-3-METHYLPHENOL	680	U	
4-CHLOROANILINE	680	U	
4-CHLOROPHENYL PHENYL ETHER	680	U	
4-NITROANILINE	1700	U	
4-NITROPHENOL	1700	U	
ACENAPHTHENE	680	U	
ACENAPHTHYLENE	680	U	

PROJ_NO: 00275

SDG: MID-5 MEDIA: SOIL DATA FRACTION: OS

nsample	SD-14-02
samp_date	10/20/2005
lab_id	WV5583-6
qc_type	NM
units	UG/KG
Pct_Solids	48.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANILINE	680	U	
ANTHRACENE	680	U	
AZOBENZENE	680	U	
BENZIDINE	1700	U	
BENZO(A)ANTHRACENE	680	U	
BENZO(A)PYRENE	680	U	
BENZO(B)FLUORANTHENE	680	U	
BENZO(G,H,I)PERYLENE	680	U	
BENZO(K)FLUORANTHENE	680	U	
BENZOIC ACID	1700	U	
BENZYL ALCOHOL	680	UJ	C
BIS(2-CHLOROETHOXY)METHANE	680	U	
BIS(2-CHLOROETHYL)ETHER	680	U	
BIS(2-ETHYLHEXYL)PHTHALATE	680	U	
BUTYL BENZYL PHTHALATE	680	U	
CARBAZOLE	680	U	
CHRYSENE	680	U	
DIBENZO(A,H)ANTHRACENE	680	U	
DIBENZOFURAN	680	U	
DIETHYL PHTHALATE	680	U	
DIMETHYL PHTHALATE	680	U	
DI-N-BUTYL PHTHALATE	680	U	
DI-N-OCTYL PHTHALATE	680	U	
FLUORANTHENE	680	U	
FLUORENE	680	U	
HEXACHLOROBENZENE	680	U	
HEXACHLOROBUTADIENE	680	U	
HEXACHLOROCYCLOPENTADIENE	680	U	
HEXACHLOROETHANE	680	U	
INDENO(1,2,3-CD)PYRENE	680	U	
ISOPHORONE	680	U	
NAPHTHALENE	680	U	

nsample	SD-14-02
samp_date	10/20/2005
lab_id	WV5583-6
qc_type	NM
units	UG/KG
Pct_Solids	48.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
NITROBENZENE	680	U	
N-NITROSODIMETHYLAMINE	680	U	
N-NITROSO-DI-N-PROPYLAMINE	680	U	
N-NITROSODIPHENYLAMINE	680	U	
PENTACHLOROPHENOL	1700	U	
PHENANTHRENE	680	U	
PHENOL	680	U	
PYRENE	680	U	
PYRIDINE	680	U	

nsample	SD-14-SS
samp_date	10/20/2005
lab_id	WV5583-4
qc_type	NM
units	UG/KG
Pct_Solids	77.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	430	U	
1,2-DICHLOROBENZENE	430	U	
1,3-DICHLOROBENZENE	430	U	
1,4-DICHLOROBENZENE	430	U	
1,4-DIOXANE	430	U	
1-METHYLNAPHTHALENE	430	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	430	U	
2,4,5-TRICHLOROPHENOL	1100	U	
2,4,6-TRICHLOROPHENOL	430	U	
2,4-DICHLOROPHENOL	430	U	
2,4-DIMETHYLPHENOL	430	U	
2,4-DINITROPHENOL	1100	U	
2,4-DINITROTOLUENE	430	U	
2,6-DINITROTOLUENE	430	U	
2-CHLORONAPHTHALENE	430	U	
2-CHLOROPHENOL	430	U	
2-METHYLNAPHTHALENE	430	U	
2-METHYLPHENOL	430	U	
2-NITROANILINE	1100	U	
2-NITROPHENOL	430	U	
3&4-METHYLPHENOL	430	U	
3,3'-DICHLOROBENZIDINE	430	U	
3-NITROANILINE	1100	U	
4,6-DINITRO-2-METHYLPHENOL	1100	U	
4-BROMOPHENYL PHENYL ETHER	430	U	
4-CHLORO-3-METHYLPHENOL	430	U	
4-CHLOROANILINE	430	U	
4-CHLOROPHENYL PHENYL ETHER	430	U	
4-NITROANILINE	1100	U	
4-NITROPHENOL	1100	U	
ACENAPHTHENE	430	U	
ACENAPHTHYLENE	430	U	

PROJ_NO: 00275

SDG: MID-5 MEDIA: SOIL DATA FRACTION: OS

nsample	SD-14-SS	nsample	SD-14-SS	nsample	SD-15-SS
samp_date	10/20/2005	samp_date	10/20/2005	samp_date	10/21/2005
lab_id	WV5583-4	lab_id	WV5583-4	lab_id	WV5604-1
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	77.2	Pct_Solids	77.2	Pct_Solids	24.9
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANILINE	430	U	
ANTHRACENE	200	J	P
AZOBENZENE	430	U	
BENZIDINE	1100	U	
BENZO(A)ANTHRACENE	1100		
BENZO(A)PYRENE	790		
BENZO(B)FLUORANTHENE	1400		
BENZO(G,H,I)PERYLENE	360	J	P
BENZO(K)FLUORANTHENE	560		
BENZOIC ACID	1100	U	
BENZYL ALCOHOL	430	UJ	C
BIS(2-CHLOROETHOXY)METHANE	430	U	
BIS(2-CHLOROETHYL)ETHER	430	U	
BIS(2-ETHYLHEXYL)PHTHALATE	210	J	P
BUTYL BENZYL PHTHALATE	430	U	
CARBAZOLE	130	J	P
CHRYSENE	1200		
DIBENZO(A,H)ANTHRACENE	430	U	
DIBENZOFURAN	430	U	
DIETHYL PHTHALATE	430	U	
DIMETHYL PHTHALATE	430	U	
DI-N-BUTYL PHTHALATE	430	U	
DI-N-OCTYL PHTHALATE	430	U	
FLUORANTHENE	2400		
FLUORENE	81	J	P
HEXACHLOROBENZENE	430	U	
HEXACHLOROBUTADIENE	430	U	
HEXACHLOROCYCLOPENTADIENE	430	U	
HEXACHLOROETHANE	430	U	
INDENO(1,2,3-CD)PYRENE	460		
ISOPHORONE	430	U	
NAPHTHALENE	430	U	
NITROBENZENE	430	U	
N-NITROSODIMETHYLAMINE	430	U	
N-NITROSO-DI-N-PROPYLAMINE	430	U	
N-NITROSODIPHENYLAMINE	430	U	
PENTACHLOROPHENOL	1100	U	
PHENANTHRENE	830		
PHENOL	430	U	
PYRENE	2400		
PYRIDINE	430	U	
1,2,4-TRICHLOROBENZENE	1300	UJ	Y
1,2-DICHLOROBENZENE	1300	UJ	Y
1,3-DICHLOROBENZENE	1300	UJ	Y
1,4-DICHLOROBENZENE	1300	UJ	Y
1,4-DIOXANE	1300	UJ	Y
1-METHYLNAPHTHALENE	1300	UJ	Y
2,2'-OXYBIS(1-CHLOROPROPANE)	1300	UJ	Y
2,4,5-TRICHLOROPHENOL	3300	UJ	Y
2,4,6-TRICHLOROPHENOL	1300	UJ	Y
2,4-DICHLOROPHENOL	1300	UJ	Y
2,4-DIMETHYLPHENOL	1300	UJ	Y
2,4-DINITROPHENOL	3300	UJ	Y
2,4-DINITROTOLUENE	1300	UJ	Y
2,6-DINITROTOLUENE	1300	UJ	Y
2-CHLORONAPHTHALENE	1300	UJ	Y
2-CHLOROPHENOL	1300	UJ	Y
2-METHYLNAPHTHALENE	1300	UJ	Y
2-METHYLPHENOL	1300	UJ	Y
2-NITROANILINE	3300	UJ	Y
2-NITROPHENOL	1300	UJ	Y
3&4-METHYLPHENOL	1300	UJ	Y
3,3'-DICHLOROBENZIDINE	1300	UJ	NY
3-NITROANILINE	3300	UJ	Y
4,6-DINITRO-2-METHYLPHENOL	3300	UJ	Y
4-BROMOPHENYL PHENYL ETHER	1300	UJ	Y
4-CHLORO-3-METHYLPHENOL	1300	UJ	Y
4-CHLOROANILINE	1300	UJ	Y
4-CHLOROPHENYL PHENYL ETHER	1300	UJ	Y
4-NITROANILINE	3300	UJ	Y
4-NITROPHENOL	3300	UJ	Y
ACENAPHTHENE	1300	UJ	Y
ACENAPHTHYLENE	1300	UJ	Y

PROJ_NO: 00275

SDG: MID-5 MEDIA: SOIL DATA FRACTION: OS

nsample	SD-15-SS
samp_date	10/21/2005
lab_id	WV5604-1
qc_type	NM
units	UG/KG
Pct_Solids	24.9
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANILINE	1300	UJ	Y
ANTHRACENE	1300	UJ	Y
AZOBENZENE	1300	UJ	Y
BENZIDINE	3300	UJ	NY
BENZO(A)ANTHRACENE	1000	J	NPY
BENZO(A)PYRENE	1200	J	NPY
BENZO(B)FLUORANTHENE	1800	J	NY
BENZO(G,H,I)PERYLENE	730	J	NPY
BENZO(K)FLUORANTHENE	750	J	NPY
BENZOIC ACID	3300	UJ	Y
BENZYL ALCOHOL	1300	UJ	Y
BIS(2-CHLOROETHOXY)METHANE	1300	UJ	Y
BIS(2-CHLOROETHYL)ETHER	1300	UJ	Y
BIS(2-ETHYLHEXYL)PHTHALATE	820	J	NPY
BUTYL BENZYL PHTHALATE	1300	UJ	NY
CARBAZOLE	1300	UJ	Y
CHRYSENE	1400	J	NY
DIBENZO(A,H)ANTHRACENE	1300	UJ	NY
DIBENZOFURAN	1300	UJ	Y
DIETHYL PHTHALATE	1300	UJ	Y
DIMETHYL PHTHALATE	1300	UJ	Y
DI-N-BUTYL PHTHALATE	1300	UJ	Y
DI-N-OCTYL PHTHALATE	1300	UJ	NY
FLUORANTHENE	2000	J	Y
FLUORENE	1300	UJ	Y
HEXACHLOROBENZENE	1300	UJ	Y
HEXACHLOROBUTADIENE	1300	UJ	Y
HEXACHLOROCYCLOPENTADIENE	1300	UJ	Y
HEXACHLOROETHANE	1300	UJ	Y
INDENO(1,2,3-CD)PYRENE	840	J	NPY
ISOPHORONE	1300	UJ	Y
NAPHTHALENE	1300	UJ	Y

nsample	SD-15-SS
samp_date	10/21/2005
lab_id	WV5604-1
qc_type	NM
units	UG/KG
Pct_Solids	24.9
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
NITROBENZENE	1300	UJ	Y
N-NITROSODIMETHYLAMINE	1300	UJ	Y
N-NITROSO-DI-N-PROPYLAMINE	1300	UJ	Y
N-NITROSODIPHENYLAMINE	1300	UJ	Y
PENTACHLOROPHENOL	3300	UJ	Y
PHENANTHRENE	940	J	P
PHENOL	1300	UJ	Y
PYRENE	3900	J	NY
PYRIDINE	1300	UJ	Y

nsample	SD-16-01
samp_date	10/20/2005
lab_id	WV5583-8
qc_type	NM
units	UG/KG
Pct_Solids	31.7
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	1000	U	
1,2-DICHLOROBENZENE	1000	U	
1,3-DICHLOROBENZENE	1000	U	
1,4-DICHLOROBENZENE	1000	U	
1,4-DIOXANE	1000	U	
1-METHYLNAPHTHALENE	1000	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	1000	U	
2,4,5-TRICHLOROPHENOL	2600	U	
2,4,6-TRICHLOROPHENOL	1000	U	
2,4-DICHLOROPHENOL	1000	U	
2,4-DIMETHYLPHENOL	1000	U	
2,4-DINITROPHENOL	2600	U	
2,4-DINITROTOLUENE	1000	U	
2,6-DINITROTOLUENE	1000	U	
2-CHLORONAPHTHALENE	1000	U	
2-CHLOROPHENOL	1000	U	
2-METHYLNAPHTHALENE	220	J	P
2-METHYLPHENOL	1000	U	
2-NITROANILINE	2600	U	
2-NITROPHENOL	1000	U	
3&4-METHYLPHENOL	1000	U	
3,3'-DICHLOROBENZIDINE	1000	UJ	N
3-NITROANILINE	2600	U	
4,6-DINITRO-2-METHYLPHENOL	2600	UJ	N
4-BROMOPHENYL PHENYL ETHER	1000	UJ	N
4-CHLORO-3-METHYLPHENOL	1000	U	
4-CHLOROANILINE	1000	U	
4-CHLOROPHENYL PHENYL ETHER	1000	U	
4-NITROANILINE	2600	U	
4-NITROPHENOL	2600	U	
ACENAPHTHENE	480	J	P
ACENAPHTHYLENE	1000	U	

PROJ_NO: 00275

SDG: MID-5 MEDIA: SOIL DATA FRACTION: OS

nsample	SD-16-01
samp_date	10/20/2005
lab_id	WV5583-8
qc_type	NM
units	UG/KG
Pct_Solids	31.7
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANILINE	1000	U	
ANTHRACENE	820	J	NP
AZOBENZENE	1000	U	
BENZIDINE	2600	UJ	N
BENZO(A)ANTHRACENE	2600	J	N
BENZO(A)PYRENE	3000	J	N
BENZO(B)FLUORANTHENE	4600	J	N
BENZO(G,H,I)PERYLENE	1800	J	N
BENZO(K)FLUORANTHENE	1600	J	N
BENZOIC ACID	2600	U	
BENZYL ALCOHOL	1000	UJ	C
BIS(2-CHLOROETHOXY)METHANE	1000	U	
BIS(2-CHLOROETHYL)ETHER	1000	U	
BIS(2-ETHYLHEXYL)PHTHALATE	1100	J	N
BUTYL BENZYL PHTHALATE	1000	UJ	N
CARBAZOLE	310	J	NP
CHRYSENE	2900	J	N
DIBENZO(A,H)ANTHRACENE	1000	UJ	N
DIBENZOFURAN	1000	U	
DIETHYL PHTHALATE	1000	U	
DIMETHYL PHTHALATE	1000	U	
DI-N-BUTYL PHTHALATE	1000	UJ	N
DI-N-OCTYL PHTHALATE	1000	UJ	N
FLUORANTHENE	3500	J	N
FLUORENE	330	J	P
HEXACHLOROBENZENE	1000	UJ	N
HEXACHLOROBUTADIENE	1000	U	
HEXACHLOROCYCLOPENTADIENE	1000	U	
HEXACHLOROETHANE	1000	U	
INDENO(1,2,3-CD)PYRENE	1600	J	N
ISOPHORONE	1000	U	
NAPHTHALENE	360	J	P

nsample	SD-16-01
samp_date	10/20/2005
lab_id	WV5583-8
qc_type	NM
units	UG/KG
Pct_Solids	31.7
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
NITROBENZENE	1000	U	
N-NITROSODIMETHYLAMINE	1000	U	
N-NITROSO-DI-N-PROPYLAMINE	1000	U	
N-NITROSODIPHENYLAMINE	1000	UJ	N
PENTACHLOROPHENOL	2600	UJ	N
PHENANTHRENE	3200	J	N
PHENOL	1000	U	
PYRENE	11000	J	N
PYRIDINE	1000	U	

nsample	SD-16-02RA
samp_date	10/20/2005
lab_id	WV5583-9RA
qc_type	NM
units	UG/KG
Pct_Solids	31.8
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	1000	U	
1,2-DICHLOROBENZENE	1000	U	
1,3-DICHLOROBENZENE	1000	U	
1,4-DICHLOROBENZENE	1000	U	
1,4-DIOXANE	1000	U	
1-METHYLNAPHTHALENE	1000	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	1000	U	
2,4,5-TRICHLOROPHENOL	2600	U	
2,4,6-TRICHLOROPHENOL	1000	U	
2,4-DICHLOROPHENOL	1000	U	
2,4-DIMETHYLPHENOL	1000	U	
2,4-DINITROPHENOL	2600	U	
2,4-DINITROTOLUENE	1000	U	
2,6-DINITROTOLUENE	1000	U	
2-CHLORONAPHTHALENE	1000	U	
2-CHLOROPHENOL	1000	U	
2-METHYLNAPHTHALENE	340	J	P
2-METHYLPHENOL	1000	U	
2-NITROANILINE	2600	U	
2-NITROPHENOL	1000	U	
3&4-METHYLPHENOL	1000	U	
3,3'-DICHLOROBENZIDINE	1000	UJ	N
3-NITROANILINE	2600	U	
4,6-DINITRO-2-METHYLPHENOL	2600	U	
4-BROMOPHENYL PHENYL ETHER	1000	U	
4-CHLORO-3-METHYLPHENOL	1000	U	
4-CHLOROANILINE	1000	U	
4-CHLOROPHENYL PHENYL ETHER	1000	U	
4-NITROANILINE	2600	U	
4-NITROPHENOL	2600	U	
ACENAPHTHENE	530	J	P
ACENAPHTHYLENE	1000	U	

PROJ_NO: 00275

SDG: MID-5 MEDIA: SOIL DATA FRACTION: OS

nsample	SD-16-02RA	nsample	SD-16-02RA	nsample	SD-16-SS
samp_date	10/20/2005	samp_date	10/20/2005	samp_date	10/20/2005
lab_id	WV5583-9RA	lab_id	WV5583-9RA	lab_id	WV5583-7
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	31.8	Pct_Solids	31.8	Pct_Solids	24.0
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANILINE	1000	U	
ANTHRACENE	1100		
AZOBENZENE	1000	U	
BENZIDINE	2600	UJ	N
BENZO(A)ANTHRACENE	3600	J	N
BENZO(A)PYRENE	3900	J	N
BENZO(B)FLUORANTHENE	5200	J	N
BENZO(G,H,I)PERYLENE	2300	J	N
BENZO(K)FLUORANTHENE	2100	J	N
BENZOIC ACID	2600	U	
BENZYL ALCOHOL	1000	U	
BIS(2-CHLOROETHOXY)METHANE	1000	U	
BIS(2-CHLOROETHYL)ETHER	1000	U	
BIS(2-ETHYLHEXYL)PHTHALATE	350	J	NP
BUTYL BENZYL PHTHALATE	1000	UJ	N
CARBAZOLE	410	J	P
CHRYSENE	5000	J	N
DIBENZO(A,H)ANTHRACENE	640	J	NP
DIBENZOFURAN	240	J	P
DIETHYL PHTHALATE	1000	U	
DIMETHYL PHTHALATE	1000	U	
DI-N-BUTYL PHTHALATE	1000	U	
DI-N-OCTYL PHTHALATE	1000	UJ	N
FLUORANTHENE	7700		
FLUORENE	490	J	P
HEXACHLOROBENZENE	1000	U	
HEXACHLOROBUTADIENE	1000	U	
HEXACHLOROCYCLOPENTADIENE	1000	U	
HEXACHLOROETHANE	1000	U	
INDENO(1,2,3-CD)PYRENE	2700	J	N
ISOPHORONE	1000	U	
NAPHTHALENE	540	J	P

Parameter	Result	Val Qual	Qual Code
NITROBENZENE	1000	U	
N-NITROSODIMETHYLAMINE	1000	U	
N-NITROSO-DI-N-PROPYLAMINE	1000	U	
N-NITROSODIPHENYLAMINE	1000	U	
PENTACHLOROPHENOL	2600	U	
PHENANTHRENE	3700		
PHENOL	1000	U	
PYRENE	10000	J	N
PYRIDINE	1000	U	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	1400	UJ	Y
1,2-DICHLOROBENZENE	1400	UJ	Y
1,3-DICHLOROBENZENE	1400	UJ	Y
1,4-DICHLOROBENZENE	240	J	PY
1,4-DIOXANE	1400	UJ	Y
1-METHYLNAPHTHALENE	1400	UJ	Y
2,2'-OXYBIS(1-CHLOROPROPANE)	1400	UJ	Y
2,4,5-TRICHLOROPHENOL	3400	UJ	Y
2,4,6-TRICHLOROPHENOL	1400	UJ	Y
2,4-DICHLOROPHENOL	1400	UJ	Y
2,4-DIMETHYLPHENOL	1400	UJ	Y
2,4-DINITROPHENOL	3400	UJ	Y
2,4-DINITROTOLUENE	1400	UJ	Y
2,6-DINITROTOLUENE	1400	UJ	Y
2-CHLORONAPHTHALENE	1400	UJ	Y
2-CHLOROPHENOL	1400	UJ	Y
2-METHYLNAPHTHALENE	1400	UJ	Y
2-METHYLPHENOL	1400	UJ	Y
2-NITROANILINE	3400	UJ	Y
2-NITROPHENOL	1400	UJ	Y
3&4-METHYLPHENOL	1400	UJ	Y
3,3'-DICHLOROBENZIDINE	1400	UJ	Y
3-NITROANILINE	3400	UJ	Y
4,6-DINITRO-2-METHYLPHENOL	3400	UJ	Y
4-BROMOPHENYL PHENYL ETHER	1400	UJ	Y
4-CHLORO-3-METHYLPHENOL	1400	UJ	Y
4-CHLOROANILINE	1400	UJ	Y
4-CHLOROPHENYL PHENYL ETHER	1400	UJ	Y
4-NITROANILINE	3400	UJ	Y
4-NITROPHENOL	3400	UJ	Y
ACENAPHTHENE	1400	UJ	Y
ACENAPHTHYLENE	1400	UJ	Y

PROJ_NO: 00275

SDG: MID-5 MEDIA: SOIL DATA FRACTION: OS

nsample	SD-16-SS	nsample	SD-16-SS	nsample	SD-17-SS
samp_date	10/20/2005	samp_date	10/20/2005	samp_date	10/21/2005
lab_id	WV5583-7	lab_id	WV5583-7	lab_id	WV5604-2
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	24.0	Pct_Solids	24.0	Pct_Solids	24.8
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANILINE	1400	UJ	Y
ANTHRACENE	1400	UJ	Y
AZOBENZENE	1400	UJ	Y
BENZIDINE	3400	UJ	Y
BENZO(A)ANTHRACENE	490	J	PY
BENZO(A)PYRENE	540	J	PY
BENZO(B)FLUORANTHENE	810	J	PY
BENZO(G,H,I)PERYLENE	1400	UJ	Y
BENZO(K)FLUORANTHENE	480	J	PY
BENZOIC ACID	3400	UJ	Y
BENZYL ALCOHOL	1400	UJ	CY
BIS(2-CHLOROETHOXY)METHANE	1400	UJ	Y
BIS(2-CHLOROETHYL)ETHER	1400	UJ	Y
BIS(2-ETHYLHEXYL)PHTHALATE	520	J	PY
BUTYL BENZYL PHTHALATE	1400	UJ	Y
CARBAZOLE	1400	UJ	Y
CHRYSENE	720	J	PY
DIBENZO(A,H)ANTHRACENE	1400	UJ	Y
DIBENZOFURAN	1400	UJ	Y
DIETHYL PHTHALATE	1400	UJ	Y
DIMETHYL PHTHALATE	1400	UJ	Y
DI-N-BUTYL PHTHALATE	1400	UJ	Y
DI-N-OCTYL PHTHALATE	1400	UJ	Y
FLUORANTHENE	940	J	PY
FLUORENE	1400	UJ	Y
HEXACHLOROBENZENE	1400	UJ	Y
HEXACHLOROBUTADIENE	1400	UJ	Y
HEXACHLOROCYCLOPENTADIENE	1400	UJ	Y
HEXACHLOROETHANE	1400	UJ	Y
INDENO(1,2,3-CD)PYRENE	1400	UJ	Y
ISOPHORONE	1400	UJ	Y
NAPHTHALENE	1400	UJ	Y

Parameter	Result	Val Qual	Qual Code
NITROBENZENE	1400	UJ	Y
N-NITROSODIMETHYLAMINE	1400	UJ	Y
N-NITROSO-DI-N-PROPYLAMINE	1400	UJ	Y
N-NITROSODIPHENYLAMINE	1400	UJ	Y
PENTACHLOROPHENOL	3400	UJ	Y
PHENANTHRENE	440	J	PY
PHENOL	1400	UJ	Y
PYRENE	1500	J	Y
PYRIDINE	1400	UJ	Y

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	1300	UJ	Y
1,2-DICHLOROBENZENE	1300	UJ	Y
1,3-DICHLOROBENZENE	1300	UJ	Y
1,4-DICHLOROBENZENE	1300	UJ	Y
1,4-DIOXANE	1300	UJ	Y
1-METHYLNAPHTHALENE	1300	UJ	Y
2,2'-OXYBIS(1-CHLOROPROPANE)	1300	UJ	Y
2,4,5-TRICHLOROPHENOL	3300	UJ	Y
2,4,6-TRICHLOROPHENOL	1300	UJ	Y
2,4-DICHLOROPHENOL	1300	UJ	Y
2,4-DIMETHYLPHENOL	1300	UJ	Y
2,4-DINITROPHENOL	3300	UJ	Y
2,4-DINITROTOLUENE	1300	UJ	Y
2,6-DINITROTOLUENE	1300	UJ	Y
2-CHLORONAPHTHALENE	1300	UJ	Y
2-CHLOROPHENOL	1300	UJ	Y
2-METHYLNAPHTHALENE	1300	UJ	Y
2-METHYLPHENOL	1300	UJ	Y
2-NITROANILINE	3300	UJ	Y
2-NITROPHENOL	1300	UJ	Y
3&4-METHYLPHENOL	1300	UJ	Y
3,3'-DICHLOROBENZIDINE	1300	UJ	NY
3-NITROANILINE	3300	UJ	Y
4,6-DINITRO-2-METHYLPHENOL	3300	UJ	Y
4-BROMOPHENYL PHENYL ETHER	1300	UJ	Y
4-CHLORO-3-METHYLPHENOL	1300	UJ	Y
4-CHLOROANILINE	1300	UJ	Y
4-CHLOROPHENYL PHENYL ETHER	1300	UJ	Y
4-NITROANILINE	3300	UJ	Y
4-NITROPHENOL	3300	UJ	Y
ACENAPHTHENE	1300	UJ	Y
ACENAPHTHYLENE	1300	UJ	Y

PROJ_NO: 00275

SDG: MID-5 MEDIA: SOIL DATA FRACTION: OS

nsample	SD-17-SS	nsample	SD-17-SS	nsample	SD-18-SS
samp_date	10/21/2005	samp_date	10/21/2005	samp_date	10/21/2005
lab_id	WV5604-2	lab_id	WV5604-2	lab_id	WV5604-3
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	24.8	Pct_Solids	24.8	Pct_Solids	21.8
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANILINE	1300	UJ	Y
ANTHRACENE	1300	UJ	Y
AZOBENZENE	1300	UJ	Y
BENZIDINE	3300	UJ	N
BENZO(A)ANTHRACENE	510	J	NPY
BENZO(A)PYRENE	650	J	NPY
BENZO(B)FLUORANTHENE	1100	J	NPY
BENZO(G,H,I)PERYLENE	1300	UJ	NY
BENZO(K)FLUORANTHENE	480	J	NPY
BENZOIC ACID	3300	UJ	Y
BENZYL ALCOHOL	1300	UJ	Y
BIS(2-CHLOROETHOXY)METHANE	1300	UJ	Y
BIS(2-CHLOROETHYL)ETHER	1300	UJ	Y
BIS(2-ETHYLHEXYL)PHTHALATE	330	J	NPY
BUTYL BENZYL PHTHALATE	1300	UJ	NY
CARBAZOLE	1300	UJ	Y
CHRYSENE	770	J	PY
DIBENZO(A,H)ANTHRACENE	1300	UJ	Y
DIBENZOFURAN	1300	UJ	Y
DIETHYL PHTHALATE	1300	UJ	Y
DIMETHYL PHTHALATE	1300	UJ	Y
DI-N-BUTYL PHTHALATE	1300	UJ	Y
DI-N-OCTYL PHTHALATE	1300	UJ	NY
FLUORANTHENE	1200	J	PY
FLUORENE	1300	UJ	Y
HEXACHLOROBENZENE	1300	UJ	Y
HEXACHLOROBUTADIENE	1300	UJ	Y
HEXACHLOROCYCLOPENTADIENE	1300	UJ	Y
HEXACHLOROETHANE	1300	UJ	Y
INDENO(1,2,3-CD)PYRENE	1300	UJ	NY
ISOPHORONE	1300	UJ	Y
NAPHTHALENE	1300	UJ	Y
NITROBENZENE	1300	UJ	Y
N-NITROSODIMETHYLAMINE	1300	UJ	Y
N-NITROSO-DI-N-PROPYLAMINE	1300	UJ	Y
N-NITROSODIPHENYLAMINE	1300	UJ	Y
PENTACHLOROPHENOL	3300	UJ	Y
PHENANTHRENE	580	J	PY
PHENOL	1300	UJ	Y
PYRENE	1600	J	NY
PYRIDINE	1300	UJ	Y
1,2,4-TRICHLOROBENZENE	1500	UJ	Y
1,2-DICHLOROBENZENE	1500	UJ	Y
1,3-DICHLOROBENZENE	1500	UJ	Y
1,4-DICHLOROBENZENE	1500	UJ	Y
1,4-DIOXANE	1500	UJ	Y
1-METHYLNAPHTHALENE	1500	UJ	Y
2,2'-OXYBIS(1-CHLOROPROPANE)	1500	UJ	Y
2,4,5-TRICHLOROPHENOL	3800	UJ	Y
2,4,6-TRICHLOROPHENOL	1500	UJ	Y
2,4-DICHLOROPHENOL	1500	UJ	Y
2,4-DIMETHYLPHENOL	1500	UJ	Y
2,4-DINITROPHENOL	3800	UJ	Y
2,4-DINITROTOLUENE	1500	UJ	Y
2,6-DINITROTOLUENE	1500	UJ	Y
2-CHLORONAPHTHALENE	1500	UJ	Y
2-CHLOROPHENOL	1500	UJ	Y
2-METHYLNAPHTHALENE	1500	UJ	Y
2-METHYLPHENOL	1500	UJ	Y
2-NITROANILINE	3800	UJ	Y
2-NITROPHENOL	1500	UJ	Y
3&4-METHYLPHENOL	1500	UJ	Y
3,3'-DICHLOROBENZIDINE	1500	UJ	NY
3-NITROANILINE	3800	UJ	Y
4,6-DINITRO-2-METHYLPHENOL	3800	UJ	Y
4-BROMOPHENYL PHENYL ETHER	1500	UJ	Y
4-CHLORO-3-METHYLPHENOL	1500	UJ	Y
4-CHLOROANILINE	1500	UJ	Y
4-CHLOROPHENYL PHENYL ETHER	1500	UJ	Y
4-NITROANILINE	3800	UJ	Y
4-NITROPHENOL	3800	UJ	Y
ACENAPHTHENE	1500	UJ	Y
ACENAPHTHYLENE	1500	UJ	Y

PROJ_NO: 00275

SDG: MID-5 MEDIA: SOIL DATA FRACTION: OS

nsample	SD-18-SS
samp_date	10/21/2005
lab_id	WV5604-3
qc_type	NM
units	UG/KG
Pct_Solids	21.8
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANILINE	1500	UJ	Y
ANTHRACENE	1500	UJ	Y
AZOBENZENE	1500	UJ	Y
BENZIDINE	3800	UJ	NY
BENZO(A)ANTHRACENE	380	J	NPY
BENZO(A)PYRENE	540	J	NPY
BENZO(B)FLUORANTHENE	930	J	NPY
BENZO(G,H,I)PERYLENE	1500	UJ	NY
BENZO(K)FLUORANTHENE	430	J	NPY
BENZOIC ACID	3800	UJ	Y
BENZYL ALCOHOL	1500	UJ	Y
BIS(2-CHLOROETHOXY)METHANE	1500	UJ	Y
BIS(2-CHLOROETHYL)ETHER	1500	UJ	Y
BIS(2-ETHYLHEXYL)PHTHALATE	550	J	NPY
BUTYL BENZYL PHTHALATE	1500	UJ	NY
CARBAZOLE	1500	UJ	Y
CHRYSENE	600	J	NPY
DIBENZO(A,H)ANTHRACENE	1500	UJ	NY
DIBENZOFURAN	1500	UJ	Y
DIETHYL PHTHALATE	1500	UJ	Y
DIMETHYL PHTHALATE	1500	UJ	Y
DI-N-BUTYL PHTHALATE	1500	UJ	Y
DI-N-OCTYL PHTHALATE	1500	UJ	NY
FLUORANTHENE	980	J	PY
FLUORENE	1500	UJ	Y
HEXACHLOROBENZENE	1500	UJ	Y
HEXACHLOROBUTADIENE	1500	UJ	Y
HEXACHLOROCYCLOPENTADIENE	1500	UJ	Y
HEXACHLOROETHANE	1500	UJ	Y
INDENO(1,2,3-CD)PYRENE	1500	UJ	NY
ISOPHORONE	1500	UJ	Y
NAPHTHALENE	1500	UJ	Y

nsample	SD-18-SS
samp_date	10/21/2005
lab_id	WV5604-3
qc_type	NM
units	UG/KG
Pct_Solids	21.8
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
NITROBENZENE	1500	UJ	Y
N-NITROSODIMETHYLAMINE	1500	UJ	Y
N-NITROSO-DI-N-PROPYLAMINE	1500	UJ	Y
N-NITROSODIPHENYLAMINE	1500	UJ	Y
PENTACHLOROPHENOL	3800	UJ	Y
PHENANTHRENE	370	J	PY
PHENOL	1500	UJ	Y
PYRENE	1200	J	NPY
PYRIDINE	1500	UJ	Y

nsample	SD-19-01
samp_date	10/21/2005
lab_id	WV5604-5
qc_type	NM
units	UG/KG
Pct_Solids	31.7
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	1000	U	
1,2-DICHLOROBENZENE	1000	U	
1,3-DICHLOROBENZENE	1000	U	
1,4-DICHLOROBENZENE	1000	U	
1,4-DIOXANE	1000	U	
1-METHYLNAPHTHALENE	1000	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	1000	U	
2,4,5-TRICHLOROPHENOL	2600	U	
2,4,6-TRICHLOROPHENOL	1000	U	
2,4-DICHLOROPHENOL	1000	U	
2,4-DIMETHYLPHENOL	1000	U	
2,4-DINITROPHENOL	2600	U	
2,4-DINITROTOLUENE	1000	U	
2,6-DINITROTOLUENE	1000	U	
2-CHLORONAPHTHALENE	1000	U	
2-CHLOROPHENOL	1000	U	
2-METHYLNAPHTHALENE	1000	U	
2-METHYLPHENOL	1000	U	
2-NITROANILINE	2600	U	
2-NITROPHENOL	1000	U	
3&4-METHYLPHENOL	1000	U	
3,3'-DICHLOROBENZIDINE	1000	U	
3-NITROANILINE	2600	U	
4,6-DINITRO-2-METHYLPHENOL	2600	U	
4-BROMOPHENYL PHENYL ETHER	1000	U	
4-CHLORO-3-METHYLPHENOL	1000	U	
4-CHLOROANILINE	1000	U	
4-CHLOROPHENYL PHENYL ETHER	1000	U	
4-NITROANILINE	2600	U	
4-NITROPHENOL	2600	U	
ACENAPHTHENE	190	J	P
ACENAPHTHYLENE	1000	U	

PROJ_NO: 00275

SDG: MID-5 MEDIA: SOIL DATA FRACTION: OS

nsample	SD-19-01
samp_date	10/21/2005
lab_id	WV5604-5
qc_type	NM
units	UG/KG
Pct_Solids	31.7
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANILINE	1000	U	
ANTHRACENE	640	J	P
AZOBENZENE	1000	U	
BENZIDINE	2600	U	
BENZO(A)ANTHRACENE	2300		
BENZO(A)PYRENE	2300	J	N
BENZO(B)FLUORANTHENE	3100	J	N
BENZO(G,H,I)PERYLENE	1800	J	N
BENZO(K)FLUORANTHENE	1300	J	N
BENZOIC ACID	2600	U	
BENZYL ALCOHOL	1000	U	
BIS(2-CHLOROETHOXY)METHANE	1000	U	
BIS(2-CHLOROETHYL)ETHER	1000	U	
BIS(2-ETHYLHEXYL)PHTHALATE	360	J	P
BUTYL BENZYL PHTHALATE	1000	U	
CARBAZOLE	310	J	P
CHRYSENE	2800		
DIBENZO(A,H)ANTHRACENE	480	J	NP
DIBENZOFURAN	1000	U	
DIETHYL PHTHALATE	1000	U	
DIMETHYL PHTHALATE	1000	U	
DI-N-BUTYL PHTHALATE	1000	U	
DI-N-OCTYL PHTHALATE	1000	UJ	N
FLUORANTHENE	4400		
FLUORENE	290	J	P
HEXACHLOROBENZENE	1000	U	
HEXACHLOROBUTADIENE	1000	U	
HEXACHLOROCYCLOPENTADIENE	1000	U	
HEXACHLOROETHANE	1000	U	
INDENO(1,2,3-CD)PYRENE	2000	J	N
ISOPHORONE	1000	U	
NAPHTHALENE	300	J	P

nsample	SD-19-01
samp_date	10/21/2005
lab_id	WV5604-5
qc_type	NM
units	UG/KG
Pct_Solids	31.7
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
NITROBENZENE	1000	U	
N-NITROSODIMETHYLAMINE	1000	U	
N-NITROSO-DI-N-PROPYLAMINE	1000	U	
N-NITROSODIPHENYLAMINE	1000	U	
PENTACHLOROPHENOL	2600	U	
PHENANTHRENE	2800		
PHENOL	1000	U	
PYRENE	6000		
PYRIDINE	1000	U	

nsample	SD-19-02
samp_date	10/21/2005
lab_id	WV5604-6
qc_type	NM
units	UG/KG
Pct_Solids	66.8
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	490	U	
1,2-DICHLOROBENZENE	490	U	
1,3-DICHLOROBENZENE	490	U	
1,4-DICHLOROBENZENE	490	U	
1,4-DIOXANE	490	U	
1-METHYLNAPHTHALENE	490	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	490	U	
2,4,5-TRICHLOROPHENOL	1200	U	
2,4,6-TRICHLOROPHENOL	490	U	
2,4-DICHLOROPHENOL	490	U	
2,4-DIMETHYLPHENOL	490	U	
2,4-DINITROPHENOL	1200	U	
2,4-DINITROTOLUENE	490	U	
2,6-DINITROTOLUENE	490	U	
2-CHLORONAPHTHALENE	490	U	
2-CHLOROPHENOL	490	U	
2-METHYLNAPHTHALENE	490	U	
2-METHYLPHENOL	490	U	
2-NITROANILINE	1200	U	
2-NITROPHENOL	490	U	
3&4-METHYLPHENOL	490	U	
3,3'-DICHLOROBENZIDINE	490	UJ	N
3-NITROANILINE	1200	U	
4,6-DINITRO-2-METHYLPHENOL	1200	U	
4-BROMOPHENYL PHENYL ETHER	490	U	
4-CHLORO-3-METHYLPHENOL	490	U	
4-CHLOROANILINE	490	U	
4-CHLOROPHENYL PHENYL ETHER	490	U	
4-NITROANILINE	1200	U	
4-NITROPHENOL	1200	U	
ACENAPHTHENE	490	U	
ACENAPHTHYLENE	490	U	

PROJ_NO: 00275

SDG: MID-5 MEDIA: SOIL DATA FRACTION: OS

nsample	SD-19-02
samp_date	10/21/2005
lab_id	WV5604-6
qc_type	NM
units	UG/KG
Pct_Solids	66.8
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANILINE	490	U	
ANTHRACENE	490	U	
AZOBENZENE	490	U	
BENZIDINE	1200	UJ	N
BENZO(A)ANTHRACENE	150	J	NP
BENZO(A)PYRENE	160	J	NP
BENZO(B)FLUORANTHENE	190	J	NP
BENZO(G,H,I)PERYLENE	490	UJ	N
BENZO(K)FLUORANTHENE	490	UJ	N
BENZOIC ACID	1200	U	
BENZYL ALCOHOL	490	U	
BIS(2-CHLOROETHOXY)METHANE	490	U	
BIS(2-CHLOROETHYL)ETHER	490	U	
BIS(2-ETHYLHEXYL)PHTHALATE	140	J	NP
BUTYL BENZYL PHTHALATE	490	UJ	N
CARBAZOLE	490	U	
CHRYSENE	200	J	NP
DIBENZO(A,H)ANTHRACENE	490	UJ	N
DIBENZOFURAN	490	U	
DIETHYL PHTHALATE	490	U	
DIMETHYL PHTHALATE	490	U	
DI-N-BUTYL PHTHALATE	490	U	
DI-N-OCTYL PHTHALATE	490	UJ	N
FLUORANTHENE	340	J	P
FLUORENE	490	U	
HEXACHLOROBENZENE	490	U	
HEXACHLOROBUTADIENE	490	U	
HEXACHLOROCYCLOPENTADIENE	490	U	
HEXACHLOROETHANE	490	U	
INDENO(1,2,3-CD)PYRENE	490	UJ	N
ISOPHORONE	490	U	
NAPHTHALENE	490	U	

nsample	SD-19-02
samp_date	10/21/2005
lab_id	WV5604-6
qc_type	NM
units	UG/KG
Pct_Solids	66.8
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
NITROBENZENE	490	U	
N-NITROSODIMETHYLAMINE	490	U	
N-NITROSO-DI-N-PROPYLAMINE	490	U	
N-NITROSODIPHENYLAMINE	490	U	
PENTACHLOROPHENOL	1200	U	
PHENANTHRENE	170	J	P
PHENOL	490	U	
PYRENE	370	J	NP
PYRIDINE	490	U	

nsample	SD-19-SS
samp_date	10/21/2005
lab_id	WV5604-4
qc_type	NM
units	UG/KG
Pct_Solids	29.8
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	1100	UJ	Y
1,2-DICHLOROBENZENE	1100	UJ	Y
1,3-DICHLOROBENZENE	1100	UJ	Y
1,4-DICHLOROBENZENE	140	J	PY
1,4-DIOXANE	1100	UJ	Y
1-METHYLNAPHTHALENE	1100	UJ	Y
2,2'-OXYBIS(1-CHLOROPROPANE)	1100	UJ	Y
2,4,5-TRICHLOROPHENOL	2700	UJ	Y
2,4,6-TRICHLOROPHENOL	1100	UJ	Y
2,4-DICHLOROPHENOL	1100	UJ	Y
2,4-DIMETHYLPHENOL	1100	UJ	Y
2,4-DINITROPHENOL	2700	UJ	Y
2,4-DINITROTOLUENE	1100	UJ	Y
2,6-DINITROTOLUENE	1100	UJ	Y
2-CHLORONAPHTHALENE	1100	UJ	Y
2-CHLOROPHENOL	1100	UJ	Y
2-METHYLNAPHTHALENE	1100	UJ	Y
2-METHYLPHENOL	1100	UJ	Y
2-NITROANILINE	2700	UJ	Y
2-NITROPHENOL	1100	UJ	Y
3&4-METHYLPHENOL	1100	UJ	Y
3,3'-DICHLOROBENZIDINE	1100	UJ	NY
3-NITROANILINE	2700	UJ	Y
4,6-DINITRO-2-METHYLPHENOL	2700	UJ	Y
4-BROMOPHENYL PHENYL ETHER	1100	UJ	Y
4-CHLORO-3-METHYLPHENOL	1100	UJ	Y
4-CHLOROANILINE	1100	UJ	Y
4-CHLOROPHENYL PHENYL ETHER	1100	UJ	Y
4-NITROANILINE	2700	UJ	Y
4-NITROPHENOL	2700	UJ	Y
ACENAPHTHENE	1100	UJ	Y
ACENAPHTHYLENE	1100	UJ	Y

PROJ_NO: 00275

SDG: MID-5 MEDIA: SOIL DATA FRACTION: OS

nsample	SD-19-SS	nsample	SD-19-SS	nsample	SD-20-SS
samp_date	10/21/2005	samp_date	10/21/2005	samp_date	10/21/2005
lab_id	WV5604-4	lab_id	WV5604-4	lab_id	WV5604-7
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	29.8	Pct_Solids	29.8	Pct_Solids	22.1
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANILINE	1100	UJ	Y
ANTHRACENE	210	J	PY
AZOBENZENE	1100	UJ	Y
BENZIDINE	2700	UJ	NY
BENZO(A)ANTHRACENE	770	J	NPY
BENZO(A)PYRENE	960	J	NPY
BENZO(B)FLUORANTHENE	1400	J	NY
BENZO(G,H,I)PERYLENE	460	J	NPY
BENZO(K)FLUORANTHENE	670	J	NPY
BENZOIC ACID	2700	UJ	Y
BENZYL ALCOHOL	1100	UJ	Y
BIS(2-CHLOROETHOXY)METHANE	1100	UJ	Y
BIS(2-CHLOROETHYL)ETHER	1100	UJ	Y
BIS(2-ETHYLHEXYL)PHTHALATE	960	J	NPY
BUTYL BENZYL PHTHALATE	1100	UJ	NY
CARBAZOLE	1100	UJ	Y
CHRYSENE	960	J	NPY
DIBENZO(A,H)ANTHRACENE	1100	UJ	NY
DIBENZOFURAN	1100	UJ	Y
DIETHYL PHTHALATE	1100	UJ	Y
DIMETHYL PHTHALATE	1100	UJ	Y
DI-N-BUTYL PHTHALATE	1100	UJ	Y
DI-N-OCTYL PHTHALATE	1100	UJ	NY
FLUORANTHENE	1500	J	Y
FLUORENE	1100	UJ	Y
HEXACHLOROBENZENE	1100	UJ	Y
HEXACHLOROBUTADIENE	1100	UJ	Y
HEXACHLOROCYCLOPENTADIENE	1100	UJ	Y
HEXACHLOROETHANE	1100	UJ	Y
INDENO(1,2,3-CD)PYRENE	590	J	NPY
ISOPHORONE	1100	UJ	Y
NAPHTHALENE	1100	UJ	Y
NITROBENZENE	1100	UJ	Y
N-NITROSODIMETHYLAMINE	1100	UJ	Y
N-NITROSO-DI-N-PROPYLAMINE	1100	UJ	Y
N-NITROSODIPHENYLAMINE	1100	UJ	Y
PENTACHLOROPHENOL	2700	UJ	Y
PHENANTHRENE	770	J	P
PHENOL	1100	UJ	Y
PYRENE	2200	J	NY
PYRIDINE	1100	UJ	Y
1,2,4-TRICHLOROBENZENE	1500	UJ	Y
1,2-DICHLOROBENZENE	1500	UJ	Y
1,3-DICHLOROBENZENE	1500	UJ	Y
1,4-DICHLOROBENZENE	1500	UJ	Y
1,4-DIOXANE	1500	UJ	Y
1-METHYLNAPHTHALENE	1500	UJ	Y
2,2'-OXYBIS(1-CHLOROPROPANE)	1500	UJ	Y
2,4,5-TRICHLOROPHENOL	3700	UJ	Y
2,4,6-TRICHLOROPHENOL	1500	UJ	Y
2,4-DICHLOROPHENOL	1500	UJ	Y
2,4-DIMETHYLPHENOL	1500	UJ	Y
2,4-DINITROPHENOL	3700	UJ	Y
2,4-DINITROTOLUENE	1500	UJ	Y
2,6-DINITROTOLUENE	1500	UJ	Y
2-CHLORONAPHTHALENE	1500	UJ	Y
2-CHLOROPHENOL	1500	UJ	Y
2-METHYLNAPHTHALENE	1500	UJ	Y
2-METHYLPHENOL	1500	UJ	Y
2-NITROANILINE	3700	UJ	Y
2-NITROPHENOL	1500	UJ	Y
3&4-METHYLPHENOL	1500	UJ	Y
3,3'-DICHLOROBENZIDINE	1500	UJ	Y
3-NITROANILINE	3700	UJ	Y
4,6-DINITRO-2-METHYLPHENOL	3700	UJ	Y
4-BROMOPHENYL PHENYL ETHER	1500	UJ	Y
4-CHLORO-3-METHYLPHENOL	1500	UJ	Y
4-CHLOROANILINE	1500	UJ	Y
4-CHLOROPHENYL PHENYL ETHER	1500	UJ	Y
4-NITROANILINE	3700	UJ	Y
4-NITROPHENOL	3700	UJ	Y
ACENAPHTHENE	1500	UJ	Y
ACENAPHTHYLENE	1500	UJ	Y

PROJ_NO: 00275

SDG: MID-5 MEDIA: SOIL DATA FRACTION: OS

nsample	SD-20-SS
samp_date	10/21/2005
lab_id	WV5604-7
qc_type	NM
units	UG/KG
Pct_Solids	22.1
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANILINE	1500	UJ	Y
ANTHRACENE	1500	UJ	Y
AZOBENZENE	1500	UJ	Y
BENZIDINE	3700	UJ	Y
BENZO(A)ANTHRACENE	360	J	PY
BENZO(A)PYRENE	420	J	NPY
BENZO(B)FLUORANTHENE	740	J	NPY
BENZO(G,H,I)PERYLENE	1500	UJ	NY
BENZO(K)FLUORANTHENE	290	J	NPY
BENZOIC ACID	3700	UJ	Y
BENZYL ALCOHOL	1500	UJ	Y
BIS(2-CHLOROETHOXY)METHANE	1500	UJ	Y
BIS(2-CHLOROETHYL)ETHER	1500	UJ	Y
BIS(2-ETHYLHEXYL)PHTHALATE	1500	UJ	Y
BUTYL BENZYL PHTHALATE	1500	UJ	Y
CARBAZOLE	1500	UJ	Y
CHRYSENE	490	J	PY
DIBENZO(A,H)ANTHRACENE	1500	UJ	NY
DIBENZOFURAN	1500	UJ	Y
DIETHYL PHTHALATE	1500	UJ	Y
DIMETHYL PHTHALATE	1500	UJ	Y
DI-N-BUTYL PHTHALATE	1500	UJ	Y
DI-N-OCTYL PHTHALATE	1500	UJ	NY
FLUORANTHENE	920	J	PY
FLUORENE	1500	UJ	Y
HEXACHLOROBENZENE	1500	UJ	Y
HEXACHLOROBUTADIENE	1500	UJ	Y
HEXACHLOROCYCLOPENTADIENE	1500	UJ	Y
HEXACHLOROETHANE	1500	UJ	Y
INDENO(1,2,3-CD)PYRENE	1500	UJ	NY
ISOPHORONE	1500	UJ	Y
NAPHTHALENE	1500	UJ	Y

nsample	SD-20-SS
samp_date	10/21/2005
lab_id	WV5604-7
qc_type	NM
units	UG/KG
Pct_Solids	22.1
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
NITROBENZENE	1500	UJ	Y
N-NITROSODIMETHYLAMINE	1500	UJ	Y
N-NITROSO-DI-N-PROPYLAMINE	1500	UJ	Y
N-NITROSODIPHENYLAMINE	1500	UJ	Y
PENTACHLOROPHENOL	3700	UJ	Y
PHENANTHRENE	350	J	PY
PHENOL	1500	UJ	Y
PYRENE	820	J	PY
PYRIDINE	1500	UJ	Y

nsample	SD-21-SS
samp_date	10/21/2005
lab_id	WV5604-8
qc_type	NM
units	UG/KG
Pct_Solids	25.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	1300	UJ	Y
1,2-DICHLOROBENZENE	1300	UJ	Y
1,3-DICHLOROBENZENE	1300	UJ	Y
1,4-DICHLOROBENZENE	1300	UJ	Y
1,4-DIOXANE	1300	UJ	Y
1-METHYLNAPHTHALENE	1300	UJ	Y
2,2'-OXYBIS(1-CHLOROPROPANE)	1300	UJ	Y
2,4,5-TRICHLOROPHENOL	3200	UJ	Y
2,4,6-TRICHLOROPHENOL	1300	UJ	Y
2,4-DICHLOROPHENOL	1300	UJ	Y
2,4-DIMETHYLPHENOL	1300	UJ	Y
2,4-DINITROPHENOL	3200	UJ	Y
2,4-DINITROTOLUENE	1300	UJ	Y
2,6-DINITROTOLUENE	1300	UJ	Y
2-CHLORONAPHTHALENE	1300	UJ	Y
2-CHLOROPHENOL	1300	UJ	Y
2-METHYLNAPHTHALENE	1300	UJ	Y
2-METHYLPHENOL	1300	UJ	Y
2-NITROANILINE	3200	UJ	Y
2-NITROPHENOL	1300	UJ	Y
3&4-METHYLPHENOL	1300	UJ	Y
3,3'-DICHLOROBENZIDINE	1300	UJ	Y
3-NITROANILINE	3200	UJ	Y
4,6-DINITRO-2-METHYLPHENOL	3200	UJ	Y
4-BROMOPHENYL PHENYL ETHER	1300	UJ	Y
4-CHLORO-3-METHYLPHENOL	1300	UJ	Y
4-CHLOROANILINE	1300	UJ	Y
4-CHLOROPHENYL PHENYL ETHER	1300	UJ	Y
4-NITROANILINE	3200	UJ	Y
4-NITROPHENOL	3200	UJ	Y
ACENAPHTHENE	1300	UJ	Y
ACENAPHTHYLENE	1300	UJ	Y

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SDG: MID-5 MEDIA: SOIL DATA FRACTION: OS

nsample	SD-21-SS	nsample	SD-21-SS	nsample	SD-22-SS
samp_date	10/21/2005	samp_date	10/21/2005	samp_date	10/21/2005
lab_id	WV5604-8	lab_id	WV5604-8	lab_id	WV5604-9
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	25.2	Pct_Solids	25.2	Pct_Solids	22.9
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANILINE	1300	UJ	Y
ANTHRACENE	1300	UJ	Y
AZOBENZENE	1300	UJ	Y
BENZIDINE	3200	UJ	Y
BENZO(A)ANTHRACENE	350	J	PY
BENZO(A)PYRENE	520	J	NPY
BENZO(B)FLUORANTHENE	800	J	NPY
BENZO(G,H,I)PERYLENE	1300	UJ	NY
BENZO(K)FLUORANTHENE	350	J	NPY
BENZOIC ACID	3200	UJ	Y
BENZYL ALCOHOL	1300	UJ	Y
BIS(2-CHLOROETHOXY)METHANE	1300	UJ	Y
BIS(2-CHLOROETHYL)ETHER	1300	UJ	Y
BIS(2-ETHYLHEXYL)PHTHALATE	360	J	PY
BUTYL BENZYL PHTHALATE	1300	UJ	Y
CARBAZOLE	1300	UJ	Y
CHRYSENE	570	J	PY
DIBENZO(A,H)ANTHRACENE	1300	UJ	NY
DIBENZOFURAN	1300	UJ	Y
DIETHYL PHTHALATE	1300	UJ	Y
DIMETHYL PHTHALATE	1300	UJ	Y
DI-N-BUTYL PHTHALATE	1300	UJ	Y
DI-N-OCTYL PHTHALATE	1300	UJ	NY
FLUORANTHENE	990	J	PY
FLUORENE	1300	UJ	Y
HEXACHLOROBENZENE	1300	UJ	Y
HEXACHLOROBUTADIENE	1300	UJ	Y
HEXACHLOROCYCLOPENTADIENE	1300	UJ	Y
HEXACHLOROETHANE	1300	UJ	Y
INDENO(1,2,3-CD)PYRENE	1300	UJ	NY
ISOPHORONE	1300	UJ	Y
NAPHTHALENE	1300	UJ	Y

Parameter	Result	Val Qual	Qual Code
NITROBENZENE	1300	UJ	Y
N-NITROSODIMETHYLAMINE	1300	UJ	Y
N-NITROSO-DI-N-PROPYLAMINE	1300	UJ	Y
N-NITROSODIPHENYLAMINE	1300	UJ	Y
PENTACHLOROPHENOL	3200	UJ	Y
PHENANTHRENE	350	J	PY
PHENOL	1300	UJ	Y
PYRENE	950	J	PY
PYRIDINE	1300	UJ	Y

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	1400	UJ	Y
1,2-DICHLOROBENZENE	1400	UJ	Y
1,3-DICHLOROBENZENE	1400	UJ	Y
1,4-DICHLOROBENZENE	450	J	PY
1,4-DIOXANE	1400	UJ	Y
1-METHYLNAPHTHALENE	1400	UJ	Y
2,2'-OXYBIS(1-CHLOROPROPANE)	1400	UJ	Y
2,4,5-TRICHLOROPHENOL	3600	UJ	Y
2,4,6-TRICHLOROPHENOL	1400	UJ	Y
2,4-DICHLOROPHENOL	1400	UJ	Y
2,4-DIMETHYLPHENOL	1400	UJ	Y
2,4-DINITROPHENOL	3600	UJ	Y
2,4-DINITROTOLUENE	1400	UJ	Y
2,6-DINITROTOLUENE	1400	UJ	Y
2-CHLORONAPHTHALENE	1400	UJ	Y
2-CHLOROPHENOL	1400	UJ	Y
2-METHYLNAPHTHALENE	1400	UJ	Y
2-METHYLPHENOL	1400	UJ	Y
2-NITROANILINE	3600	UJ	Y
2-NITROPHENOL	1400	UJ	Y
3&4-METHYLPHENOL	1400	UJ	Y
3,3'-DICHLOROBENZIDINE	1400	UJ	NY
3-NITROANILINE	3600	UJ	Y
4,6-DINITRO-2-METHYLPHENOL	3600	UJ	Y
4-BROMOPHENYL PHENYL ETHER	1400	UJ	Y
4-CHLORO-3-METHYLPHENOL	1400	UJ	Y
4-CHLOROANILINE	1400	UJ	Y
4-CHLOROPHENYL PHENYL ETHER	1400	UJ	Y
4-NITROANILINE	3600	UJ	Y
4-NITROPHENOL	3600	UJ	Y
ACENAPHTHENE	1400	UJ	Y
ACENAPHTHYLENE	1400	UJ	Y

PROJ_NO: 00275

SDG: MID-5 MEDIA: SOIL DATA FRACTION: OS

nsample	SD-22-SS
samp_date	10/21/2005
lab_id	WV5604-9
qc_type	NM
units	UG/KG
Pct_Solids	22.9
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANILINE	1400	UJ	Y
ANTHRACENE	1400	UJ	Y
AZOBENZENE	1400	UJ	Y
BENZIDINE	3600	UJ	NY
BENZO(A)ANTHRACENE	400	J	NP
BENZO(A)PYRENE	580	J	NPY
BENZO(B)FLUORANTHENE	1000	J	NPY
BENZO(G,H,I)PERYLENE	1400	UJ	NY
BENZO(K)FLUORANTHENE	520	J	NPY
BENZOIC ACID	3600	UJ	Y
BENZYL ALCOHOL	1400	UJ	Y
BIS(2-CHLOROETHOXY)METHANE	1400	UJ	Y
BIS(2-CHLOROETHYL)ETHER	1400	UJ	Y
BIS(2-ETHYLHEXYL)PHTHALATE	440	J	NPY
BUTYL BENZYL PHTHALATE	1400	UJ	NY
CARBAZOLE	1400	UJ	Y
CHRYSENE	690	J	NPY
DIBENZO(A,H)ANTHRACENE	1400	UJ	NY
DIBENZOFURAN	1400	UJ	Y
DIETHYL PHTHALATE	1400	UJ	Y
DIMETHYL PHTHALATE	1400	UJ	Y
DI-N-BUTYL PHTHALATE	1400	UJ	Y
DI-N-OCTYL PHTHALATE	1400	UJ	NY
FLUORANTHENE	1000	J	PY
FLUORENE	1400	UJ	Y
HEXACHLOROBENZENE	1400	UJ	Y
HEXACHLOROBUTADIENE	1400	UJ	Y
HEXACHLOROCYCLOPENTADIENE	1400	UJ	Y
HEXACHLOROETHANE	1400	UJ	Y
INDENO(1,2,3-CD)PYRENE	1400	UJ	NY
ISOPHORONE	1400	UJ	Y
NAPHTHALENE	1400	UJ	Y

nsample	SD-22-SS
samp_date	10/21/2005
lab_id	WV5604-9
qc_type	NM
units	UG/KG
Pct_Solids	22.9
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
NITROBENZENE	1400	UJ	Y
N-NITROSODIMETHYLAMINE	1400	UJ	Y
N-NITROSO-DI-N-PROPYLAMINE	1400	UJ	Y
N-NITROSODIPHENYLAMINE	1400	UJ	Y
PENTACHLOROPHENOL	3600	UJ	Y
PHENANTHRENE	460	J	PY
PHENOL	1400	UJ	Y
PYRENE	1300	J	NPY
PYRIDINE	1400	UJ	Y

nsample	SD-23-SS
samp_date	10/21/2005
lab_id	WV5604-10
qc_type	NM
units	UG/KG
Pct_Solids	23.1
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	1400	UJ	Y
1,2-DICHLOROBENZENE	1400	UJ	Y
1,3-DICHLOROBENZENE	1400	UJ	Y
1,4-DICHLOROBENZENE	1400	UJ	Y
1,4-DIOXANE	1400	UJ	Y
1-METHYLNAPHTHALENE	1400	UJ	Y
2,2'-OXYBIS(1-CHLOROPROPANE)	1400	UJ	Y
2,4,5-TRICHLOROPHENOL	3600	UJ	Y
2,4,6-TRICHLOROPHENOL	1400	UJ	Y
2,4-DICHLOROPHENOL	1400	UJ	Y
2,4-DIMETHYLPHENOL	1400	UJ	Y
2,4-DINITROPHENOL	3600	UJ	Y
2,4-DINITROTOLUENE	1400	UJ	Y
2,6-DINITROTOLUENE	1400	UJ	Y
2-CHLORONAPHTHALENE	1400	UJ	Y
2-CHLOROPHENOL	1400	UJ	Y
2-METHYLNAPHTHALENE	1400	UJ	Y
2-METHYLPHENOL	1400	UJ	Y
2-NITROANILINE	3600	UJ	Y
2-NITROPHENOL	1400	UJ	Y
3&4-METHYLPHENOL	1400	UJ	Y
3,3'-DICHLOROBENZIDINE	1400	UJ	NY
3-NITROANILINE	3600	UJ	Y
4,6-DINITRO-2-METHYLPHENOL	3600	UJ	Y
4-BROMOPHENYL PHENYL ETHER	1400	UJ	Y
4-CHLORO-3-METHYLPHENOL	1400	UJ	Y
4-CHLOROANILINE	1400	UJ	Y
4-CHLOROPHENYL PHENYL ETHER	1400	UJ	Y
4-NITROANILINE	3600	UJ	Y
4-NITROPHENOL	3600	UJ	Y
ACENAPHTHENE	1400	UJ	Y
ACENAPHTHYLENE	1400	UJ	Y

PROJ_NO: 00275

SDG: MID-5 MEDIA: SOIL DATA FRACTION: OS

nsample	SD-23-SS	nsample	SD-23-SS
samp_date	10/21/2005	samp_date	10/21/2005
lab_id	WV5604-10	lab_id	WV5604-10
qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG
Pct_Solids	23.1	Pct_Solids	23.1
DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANILINE	1400	UJ	Y
ANTHRACENE	1400	UJ	Y
AZOBENZENE	1400	UJ	Y
BENZIDINE	3600	UJ	NY
BENZO(A)ANTHRACENE	350	J	NPY
BENZO(A)PYRENE	480	J	NPY
BENZO(B)FLUORANTHENE	830	J	NPY
BENZO(G,H,I)PERYLENE	1400	UJ	NY
BENZO(K)FLUORANTHENE	280	J	NPY
BENZOIC ACID	3600	UJ	Y
BENZYL ALCOHOL	1400	UJ	Y
BIS(2-CHLOROETHOXY)METHANE	1400	UJ	Y
BIS(2-CHLOROETHYL)ETHER	1400	UJ	Y
BIS(2-ETHYLHEXYL)PHTHALATE	360	J	NPY
BUTYL BENZYL PHTHALATE	1400	UJ	NY
CARBAZOLE	1400	UJ	Y
CHRYSENE	530	J	NPY
DIBENZO(A,H)ANTHRACENE	1400	UJ	NY
DIBENZOFURAN	1400	UJ	Y
DIETHYL PHTHALATE	1400	UJ	Y
DIMETHYL PHTHALATE	1400	UJ	Y
DI-N-BUTYL PHTHALATE	1400	UJ	Y
DI-N-OCTYL PHTHALATE	1400	UJ	NY
FLUORANTHENE	860	J	PY
FLUORENE	1400	UJ	Y
HEXACHLOROBENZENE	1400	UJ	Y
HEXACHLOROBUTADIENE	1400	UJ	Y
HEXACHLOROCYCLOPENTADIENE	1400	UJ	Y
HEXACHLOROETHANE	1400	UJ	Y
INDENO(1,2,3-CD)PYRENE	1400	UJ	NY
ISOPHORONE	1400	UJ	Y
NAPHTHALENE	1400	UJ	Y

Parameter	Result	Val Qual	Qual Code
NITROBENZENE	1400	UJ	Y
N-NITROSODIMETHYLAMINE	1400	UJ	Y
N-NITROSO-DI-N-PROPYLAMINE	1400	UJ	Y
N-NITROSODIPHENYLAMINE	1400	UJ	Y
PENTACHLOROPHENOL	3600	UJ	Y
PHENANTHRENE	300	J	PY
PHENOL	1400	UJ	Y
PYRENE	1100	J	NPY
PYRIDINE	1400	UJ	Y

PROJ_NO: 00275

SDG: MID-5 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	SD-13-01RA	nsample	SD-13-02	nsample	SD-13-SSRA
samp_date	10/20/2005	samp_date	10/20/2005	samp_date	10/20/2005
lab_id	WV5583-2RA	lab_id	WV5583-3	lab_id	WV5583-1RA
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	32.3	Pct_Solids	41.2	Pct_Solids	25.6
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	53	U	
AROCLOR-1221	53	U	
AROCLOR-1232	53	U	
AROCLOR-1242	53	U	
AROCLOR-1248	53	U	
AROCLOR-1254	53	U	
AROCLOR-1260	2500		

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	41	U	
AROCLOR-1221	41	U	
AROCLOR-1232	41	U	
AROCLOR-1242	41	U	
AROCLOR-1248	41	U	
AROCLOR-1254	41	U	
AROCLOR-1260	670		

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	66	UJ	Y
AROCLOR-1221	66	UJ	Y
AROCLOR-1232	66	UJ	Y
AROCLOR-1242	66	UJ	Y
AROCLOR-1248	66	UJ	Y
AROCLOR-1254	66	UJ	Y
AROCLOR-1260	1400	J	Y

PROJ_NO: 00275

SDG: MID-5 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	SD-14-01	nsample	SD-14-02	nsample	SD-14-SS
samp_date	10/20/2005	samp_date	10/20/2005	samp_date	10/20/2005
lab_id	WV5583-5	lab_id	WV5583-6	lab_id	WV5583-4
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	46.3	Pct_Solids	48.4	Pct_Solids	77.2
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	37	U	
AROCLOR-1221	37	U	
AROCLOR-1232	37	U	
AROCLOR-1242	37	U	
AROCLOR-1248	37	U	
AROCLOR-1254	37	U	
AROCLOR-1260	37	U	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	35	U	
AROCLOR-1221	35	U	
AROCLOR-1232	35	U	
AROCLOR-1242	35	U	
AROCLOR-1248	35	U	
AROCLOR-1254	35	U	
AROCLOR-1260	35	U	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	22	U	
AROCLOR-1221	22	U	
AROCLOR-1232	22	U	
AROCLOR-1242	22	U	
AROCLOR-1248	22	U	
AROCLOR-1254	22	U	
AROCLOR-1260	480		

PROJ_NO: 00275

SDG: MID-5 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	SD-15-SS	nsample	SD-16-01RA	nsample	SD-16-02RA
samp_date	10/21/2005	samp_date	10/20/2005	samp_date	10/20/2005
lab_id	WV5604-1	lab_id	WV5583-8RA	lab_id	WV5583-9RA
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	24.9	Pct_Solids	31.7	Pct_Solids	31.8
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	68	UJ	Y
AROCLOR-1221	68	UJ	Y
AROCLOR-1232	68	UJ	Y
AROCLOR-1242	68	UJ	Y
AROCLOR-1248	68	UJ	Y
AROCLOR-1254	68	UJ	Y
AROCLOR-1260	1300	J	Y

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	54	U	
AROCLOR-1221	54	U	
AROCLOR-1232	54	U	
AROCLOR-1242	54	U	
AROCLOR-1248	54	U	
AROCLOR-1254	54	U	
AROCLOR-1260	1400		

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	53	U	
AROCLOR-1221	53	U	
AROCLOR-1232	53	U	
AROCLOR-1242	53	U	
AROCLOR-1248	53	U	
AROCLOR-1254	53	U	
AROCLOR-1260	53	U	

PROJ_NO: 00275

SDG: MID-5 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	SD-16-SSRA	nsample	SD-17-SS	nsample	SD-18-SS
samp_date	10/20/2005	samp_date	10/21/2005	samp_date	10/21/2005
lab_id	WV5583-7RA	lab_id	WV5604-2	lab_id	WV5604-3
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	24.0	Pct_Solids	24.8	Pct_Solids	21.8
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	71	UJ	Y
AROCLOR-1221	71	UJ	Y
AROCLOR-1232	71	UJ	Y
AROCLOR-1242	71	UJ	Y
AROCLOR-1248	71	UJ	Y
AROCLOR-1254	71	UJ	Y
AROCLOR-1260	1400	J	Y

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	69	UJ	Y
AROCLOR-1221	69	UJ	Y
AROCLOR-1232	69	UJ	Y
AROCLOR-1242	69	UJ	Y
AROCLOR-1248	69	UJ	Y
AROCLOR-1254	69	UJ	Y
AROCLOR-1260	1100	J	CY

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	78	UJ	Y
AROCLOR-1221	78	UJ	Y
AROCLOR-1232	78	UJ	Y
AROCLOR-1242	78	UJ	Y
AROCLOR-1248	78	UJ	Y
AROCLOR-1254	78	UJ	Y
AROCLOR-1260	780	J	CY

PROJ_NO: 00275

SDG: MID-5 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	SD-19-01	nsample	SD-19-02	nsample	SD-19-SS
samp_date	10/21/2005	samp_date	10/21/2005	samp_date	10/21/2005
lab_id	WV5604-5	lab_id	WV5604-6	lab_id	WV5604-4
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	31.7	Pct_Solids	66.8	Pct_Solids	29.8
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	54	U	
AROCLOR-1221	54	U	
AROCLOR-1232	54	U	
AROCLOR-1242	54	U	
AROCLOR-1248	54	U	
AROCLOR-1254	54	U	
AROCLOR-1260	330	J	C

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	25	U	
AROCLOR-1221	25	U	
AROCLOR-1232	25	U	
AROCLOR-1242	25	U	
AROCLOR-1248	25	U	
AROCLOR-1254	25	U	
AROCLOR-1260	49	J	C

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	57	UJ	Y
AROCLOR-1221	57	UJ	Y
AROCLOR-1232	57	UJ	Y
AROCLOR-1242	57	UJ	Y
AROCLOR-1248	57	UJ	Y
AROCLOR-1254	57	UJ	Y
AROCLOR-1260	2800	J	CY

PROJ_NO: 00275

SDG: MID-5 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	SD-20-SS	nsample	SD-21-SS	nsample	SD-22-SS
samp_date	10/21/2005	samp_date	10/21/2005	samp_date	10/21/2005
lab_id	WV5604-7	lab_id	WV5604-8	lab_id	WV5604-9
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	22.1	Pct_Solids	25.2	Pct_Solids	22.9
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	77	UJ	Y
AROCLOR-1221	77	UJ	Y
AROCLOR-1232	77	UJ	Y
AROCLOR-1242	77	UJ	Y
AROCLOR-1248	77	UJ	Y
AROCLOR-1254	77	UJ	Y
AROCLOR-1260	1100	J	CY

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	67	UJ	Y
AROCLOR-1221	67	UJ	Y
AROCLOR-1232	67	UJ	Y
AROCLOR-1242	67	UJ	Y
AROCLOR-1248	67	UJ	Y
AROCLOR-1254	67	UJ	Y
AROCLOR-1260	560	J	CY

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	74	UJ	Y
AROCLOR-1221	74	UJ	Y
AROCLOR-1232	74	UJ	Y
AROCLOR-1242	74	UJ	Y
AROCLOR-1248	74	UJ	Y
AROCLOR-1254	74	UJ	Y
AROCLOR-1260	2000	J	CY

PROJ_NO: 00275

SDG: MID-5 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	SD-23-SS
samp_date	10/21/2005
lab_id	WV5604-10
qc_type	NM
units	UG/KG
Pct_Solids	23.1
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	74	UJ	Y
AROCLOR-1221	74	UJ	Y
AROCLOR-1232	74	UJ	Y
AROCLOR-1242	74	UJ	Y
AROCLOR-1248	74	UJ	Y
AROCLOR-1254	74	UJ	Y
AROCLOR-1260	750	J	CY

Appendix B

Results as Reported by the Laboratory

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/13/05
Received Date: 10/21/05
Extraction Date:
Analysis Date: 28-OCT-2005 17:13
Report Date: 11/01/2005
Matrix: WATER
% Solids: NA

Lab ID: WV5583-10
Client ID: TB102005A
SDG: MID-5
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG22189
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	2	1.0	2	2	0.5
74-87-3	Chloromethane	U	2	1.0	2	2	0.3
75-01-4	Vinyl chloride	U	2	1.0	2	2	0.3
74-83-9	Bromomethane	U	2	1.0	2	2	0.6
75-00-3	Chloroethane	U	2	1.0	2	2	0.3
75-69-4	Trichlorofluoromethane	U	2	1.0	2	2	0.3
75-65-0	Tertiary-butyl alcohol	U	5	1.0	5	5	0.4
75-35-4	1,1-Dichloroethene	U	1	1.0	1	1	0.4
75-15-0	Carbon Disulfide	U	1	1.0	1	1	0.3
76-13-1	Freon-113	U	1	1.0	1	1	0.2
637-92-3	Ethyl tertiary-butyl ether	U	1	1.0	1	1	0.08
75-09-2	Methylene Chloride	U	2	1.0	2	2	2
67-64-1	Acetone	U	5	1.0	5	5	2
156-60-5	trans-1,2-Dichloroethene	U	1	1.0	1	1	0.3
1634-04-4	Methyl tert-butyl ether	U	2	1.0	2	2	0.8
108-20-3	Di-isopropyl ether	U	1	1.0	1	1	0.2
75-34-3	1,1-Dichloroethane	U	1	1.0	1	1	0.4
108-05-4	Vinyl Acetate	U	1	1.0	1	1	0.3
156-59-2	cis-1,2-Dichloroethene	U	1	1.0	1	1	0.3
540-59-0	1,2-Dichloroethylene (total)	U	2	1.0	2	2	0.6
594-20-7	2,2-Dichloropropane	U	1	1.0	1	1	0.2
74-97-5	Bromochloromethane	U	1	1.0	1	1	0.2
67-66-3	Chloroform	U	1	1.0	1	1	0.4
56-23-5	Carbon Tetrachloride	U	1	1.0	1	1	0.3
71-55-6	1,1,1-Trichloroethane	U	1	1.0	1	1	0.2
563-58-6	1,1-Dichloropropene	U	1	1.0	1	1	0.2
78-93-3	2-Butanone	U	5	1.0	5	5	3
71-43-2	Benzene	U	1	1.0	1	1	0.3
994-05-8	Tertiary-amyl methyl ether	U	1	1.0	1	1	0.1
107-06-2	1,2-Dichloroethane	U	1	1.0	1	1	0.3
79-01-6	Trichloroethene	U	1	1.0	1	1	0.3
74-95-3	Dibromomethane	U	1	1.0	1	1	0.2
78-87-5	1,2-Dichloropropane	U	1	1.0	1	1	0.3
75-27-4	Bromodichloromethane	U	1	1.0	1	1	0.2
10061-01-5	cis-1,3-dichloropropene	U	1	1.0	1	1	0.3
110-75-8	2-Chloroethylvinylether	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	3
127-18-4	Tetrachloroethene	U	1	1.0	1	1	0.4
10061-02-6	trans-1,3-Dichloropropene	U	1	1.0	1	1	0.4
124-48-1	Dibromochloromethane	U	1	1.0	1	1	0.4
142-28-9	1,3-Dichloropropane	U	1	1.0	1	1	0.3
106-93-4	1,2-Dibromoethane	U	1	1.0	1	1	0.4

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/13/05
Received Date: 10/21/05
Extraction Date:
Analysis Date: 28-OCT-2005 17:13
Report Date: 11/01/2005
Matrix: WATER
% Solids: NA

Lab ID: WV5583-10
Client ID: TB102005A
SDG: MID-5
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG22189
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	1	1.0	1	1	0.2
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.2
630-20-6	1,1,1,2-Tetrachloroethane	U	1	1.0	1	1	0.2
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.8
	m+p-Xylenes	U	2	1.0	2	2	0.5
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
100-42-5	Styrene	U	1	1.0	1	1	0.6
75-25-2	Bromoform	U	1	1.0	1	1	0.5
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.3
108-86-1	Bromobenzene	U	1	1.0	1	1	0.2
103-65-1	N-Propylbenzene	U	1	1.0	1	1	0.3
79-34-5	1,1,2,2-Tetrachloroethane	U	1	1.0	1	1	0.5
95-49-8	2-Chlorotoluene	U	1	1.0	1	1	0.3
96-18-4	1,2,3-Trichloropropane	U	1	1.0	1	1	0.6
106-43-4	4-Chlorotoluene	U	1	1.0	1	1	0.3
98-06-6	tert-Butylbenzene	U	1	1.0	1	1	0.2
95-63-6	1,2,4-Trimethylbenzene	U	1	1.0	1	1	0.2
99-87-6	P-Isopropyltoluene	U	1	1.0	1	1	0.2
541-73-1	1,3-Dichlorobenzene	U	1	1.0	1	1	0.3
106-46-7	1,4-Dichlorobenzene	U	1	1.0	1	1	0.4
104-51-8	N-Butylbenzene	U	1	1.0	1	1	0.2
135-98-8	sec-Butylbenzene	U	1	1.0	1	1	0.3
95-50-1	1,2-Dichlorobenzene	U	1	1.0	1	1	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	1	1.0	1	1	0.3
87-68-3	Hexachlorobutadiene	U	1	1.0	1	1	0.4
120-82-1	1,2,4-Trichlorobenzene	U	1	1.0	1	1	0.3
526-73-8	1,2,3-Trimethylbenzene	U	1	1.0	1	1	0.2
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
87-61-6	1,2,3-Trichlorobenzene	U	1	1.0	1	1	0.2
1868-53-7	Dibromofluoromethane		101%				
17060-07-0	1,2-Dichloroethane-D4		105%				
2037-26-5	Toluene-D8		102%				
460-00-4	P-Bromofluorobenzene		97%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

TB102005A

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Matrix: (soil/water) WATER Lab Sample ID: WV5583-10

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: S7026

Level: (low/med) LOW Date Received: 10/21/05

% Moisture: not dec. _____ Date Analyzed: 10/28/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
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23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date:
Analysis Date: 25-OCT-2005 16:11
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 32.3

Lab ID: WV5583-2
Client ID: SD-13-01
SDG: MID-5
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22012
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	31	1.0	10	31	6
74-87-3	Chloromethane	U	31	1.0	10	31	3
75-01-4	Vinyl chloride	U	31	1.0	10	31	6
74-83-9	Bromomethane	U	31	1.0	10	31	6
75-00-3	Chloroethane	U	31	1.0	10	31	4
75-69-4	Trichlorofluoromethane	U	31	1.0	10	31	6
75-65-0	Tertiary-butyl alcohol	U	31	1.0	10	31	22
75-35-4	1,1-Dichloroethene	U	15	1.0	5	15	3
75-15-0	Carbon Disulfide	U	15	1.0	5	15	5
76-13-1	Freon-113	U	15	1.0	5	15	5
637-92-3	Ethyl tertiary-butyl ether	U	15	1.0	5	15	0.8
75-09-2	Methylene Chloride	JB	11	1.0	5	15	6
67-64-1	Acetone	J	63	1.0	25	77	13
156-60-5	trans-1,2-Dichloroethene	U	15	1.0	5	15	3
1634-04-4	Methyl tert-butyl ether	J	3	1.0	10	31	2
108-20-3	Di-isopropyl ether	U	15	1.0	5	15	1
75-34-3	1,1-Dichloroethane	U	15	1.0	5	15	3
108-05-4	Vinyl Acetate	U	15	1.0	5	15	0.7
156-59-2	cis-1,2-Dichloroethene	U	15	1.0	5	15	2
540-59-0	1,2-Dichloroethylene (total)	U	31	1.0	10	31	5
594-20-7	2,2-Dichloropropane	U	15	1.0	5	15	5
74-97-5	Bromochloromethane	U	15	1.0	5	15	4
67-66-3	Chloroform	U	15	1.0	5	15	3
56-23-5	Carbon Tetrachloride	U	15	1.0	5	15	9
71-55-6	1,1,1-Trichloroethane	U	15	1.0	5	15	4
563-58-6	1,1-Dichloropropene	U	15	1.0	5	15	4
78-93-3	2-Butanone	U	77	1.0	25	77	10
71-43-2	Benzene	U	15	1.0	5	15	2
994-05-8	Tertiary-amyl methyl ether	U	15	1.0	5	15	1
107-06-2	1,2-Dichloroethane	U	15	1.0	5	15	2
79-01-6	Trichloroethene	U	15	1.0	5	15	2
74-95-3	Dibromomethane	U	15	1.0	5	15	1
78-87-5	1,2-Dichloropropane	U	15	1.0	5	15	2
75-27-4	Bromodichloromethane	U	15	1.0	5	15	2
10061-01-5	cis-1,3-dichloropropene	U	15	1.0	5	15	1
110-75-8	2-Chloroethylvinylether	U	15	1.0	5	15	3
108-88-3	Toluene	U	15	1.0	5	15	3
108-10-1	4-methyl-2-pentanone	U	77	1.0	25	77	13
127-18-4	Tetrachloroethene	U	15	1.0	5	15	4
10061-02-6	trans-1,3-Dichloropropene	U	15	1.0	5	15	2
124-48-1	Dibromochloromethane	U	15	1.0	5	15	2
142-28-9	1,3-Dichloropropane	U	15	1.0	5	15	1
106-93-4	1,2-Dibromoethane	U	15	1.0	5	15	1

Sample Data Summary A0000009

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date:
Analysis Date: 25-OCT-2005 16:11
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 32.3

Lab ID: WV5583-2
Client ID: SD-13-01
SDG: MID-5
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22012
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	77	1.0	25	77	12
108-90-7	Chlorobenzene	U	15	1.0	5	15	2
100-41-4	Ethylbenzene	U	15	1.0	5	15	2
630-20-6	1,1,1,2-Tetrachloroethane	U	15	1.0	5	15	2
1330-20-7	Xylenes (total)	U	46	1.0	15	46	6
	m+p-Xylenes	U	31	1.0	10	31	4
95-47-6	o-Xylene	U	15	1.0	5	15	2
100-42-5	Styrene	U	15	1.0	5	15	1.0
75-25-2	Bromoform	U	15	1.0	5	15	2
98-82-8	Isopropylbenzene		100	1.0	5	15	2
108-86-1	Bromobenzene	U	15	1.0	5	15	3
103-65-1	N-Propylbenzene	U	15	1.0	5	15	2
79-34-5	1,1,2,2-Tetrachloroethane	U	15	1.0	5	15	4
95-49-8	2-Chlorotoluene	U	15	1.0	5	15	2
96-18-4	1,2,3-Trichloropropane	U	15	1.0	5	15	2
106-43-4	4-Chlorotoluene	U	15	1.0	5	15	2
98-06-6	tert-Butylbenzene	U	15	1.0	5	15	2
95-63-6	1,2,4-Trimethylbenzene	U	15	1.0	5	15	2
99-87-6	P-Isopropyltoluene	U	15	1.0	5	15	2
541-73-1	1,3-Dichlorobenzene	U	15	1.0	5	15	1
106-46-7	1,4-Dichlorobenzene	U	15	1.0	5	15	0.8
104-51-8	N-Butylbenzene	U	15	1.0	5	15	2
135-98-8	sec-Butylbenzene	E	620	1.0	5	15	3
95-50-1	1,2-Dichlorobenzene	U	15	1.0	5	15	0.9
96-12-8	1,2-Dibromo-3-Chloropropane	U	15	1.0	5	15	2
87-68-3	Hexachlorobutadiene	U	15	1.0	5	15	2
120-82-1	1,2,4-Trichlorobenzene	U	15	1.0	5	15	3
526-73-8	1,2,3-Trimethylbenzene	U	15	1.0	5	15	1
91-20-3	Naphthalene	U	15	1.0	5	15	5
87-61-6	1,2,3-Trichlorobenzene	U	15	1.0	5	15	4
1868-53-7	Dibromofluoromethane		106%				
17060-07-0	1,2-Dichloroethane-D4		99%				
2037-26-5	Toluene-D8		105%				
460-00-4	P-Bromofluorobenzene		*338%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-13-01

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Matrix: (soil/water) SOIL Lab Sample ID: WV5583-2

Sample wt/vol: 5.000(g/mL) G Lab File ID: Z7996

Level: (low/med) LOW Date Received: 10/21/05

% Moisture: not dec. 68 Date Analyzed: 10/25/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 20

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		BRANCHED ALKANE	7.93	1000	J
2.	565-75-3	PENTANE, 2,3,4-TRIMETHYL-	9.92	2000	NJ
3.		BRANCHED ALKANE	10.54	5000	J
4.	7667-60-9	CYCLOHEXANE, 1,2,4-TRIMETHY	11.89	300	NJ
5.	7094-26-0	CYCLOHEXANE, 1,1,2-TRIMETHY	12.39	100	NJ
6.		UNKNOWN CYCLOALKANE	12.85	600	J
7.		BRANCHED ALKANE	12.94	100	J
8.		BRANCHED ALKANE	13.05	900	J
9.		BRANCHED ALKENE	13.25	300	J
10.		UNKNOWN CYCLOALKANE	13.31	500	J
11.	6783-92-2	CYCLOHEXANE, 1,1,2,3-TETRAM	13.54	1000	NJ
12.	2847-72-5	DECANE, 4-METHYL-	13.95	900	NJ
13.		BRANCHED ALKANE	14.05	400	J
14.		C10H18O ISOMER	14.56	200	J
15.		C11H22 ISOMER	14.62	400	J
16.		BRANCHED ALKANE	14.70	100	J
17.		C8H14O ISOMER	14.79	200	J
18.	2958-76-1	NAPHTHALENE, DECAHYDRO-2-ME	14.84	300	NJ
19.	2958-76-1	NAPHTHALENE, DECAHYDRO-2-ME	14.97	200	NJ
20.	2530-17-8	2(1H)-NAPHTHALENONE, OCTAHY	15.00	100	NJ
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FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date:
Analysis Date: 03-NOV-2005 07:05
Report Date: 11/03/2005
Matrix: SOIL
% Solids: 32.3

Lab ID: WV5583-2DL
Client ID: SD-13-01
SDG: MID-5
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG22364
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	3000	1.0	10	3000	560
74-87-3	Chloromethane	U	3000	1.0	10	3000	290
75-01-4	Vinyl chloride	U	3000	1.0	10	3000	550
74-83-9	Bromomethane	U	3000	1.0	10	3000	610
75-00-3	Chloroethane	U	3000	1.0	10	3000	450
75-69-4	Trichlorofluoromethane	U	3000	1.0	10	3000	550
75-65-0	Tertiary-butyl alcohol	U	3000	1.0	10	3000	2100
75-35-4	1,1-Dichloroethene	U	1500	1.0	5	1500	300
75-15-0	Carbon Disulfide	U	1500	1.0	5	1500	460
76-13-1	Freon-113	U	1500	1.0	5	1500	500
637-92-3	Ethyl tertiary-butyl ether	U	1500	1.0	5	1500	82
75-09-2	Methylene Chloride	U	1500	1.0	5	1500	610
67-64-1	Acetone	U	7600	1.0	25	7600	1300
156-60-5	trans-1,2-Dichloroethene	U	1500	1.0	5	1500	270
1634-04-4	Methyl tert-butyl ether	U	3000	1.0	10	3000	200
108-20-3	Di-isopropyl ether	U	1500	1.0	5	1500	110
75-34-3	1,1-Dichloroethane	U	1500	1.0	5	1500	320
108-05-4	Vinyl Acetate	U	1500	1.0	5	1500	73
156-59-2	cis-1,2-Dichloroethene	U	1500	1.0	5	1500	210
540-59-0	1,2-Dichloroethylene (total)	U	3000	1.0	10	3000	480
594-20-7	2,2-Dichloropropane	U	1500	1.0	5	1500	460
74-97-5	Bromochloromethane	U	1500	1.0	5	1500	370
67-66-3	Chloroform	U	1500	1.0	5	1500	260
56-23-5	Carbon Tetrachloride	U	1500	1.0	5	1500	920
71-55-6	1,1,1-Trichloroethane	U	1500	1.0	5	1500	400
563-58-6	1,1-Dichloropropene	U	1500	1.0	5	1500	400
78-93-3	2-Butanone	U	7600	1.0	25	7600	960
71-43-2	Benzene	U	1500	1.0	5	1500	250
994-05-8	Tertiary-amyl methyl ether	U	1500	1.0	5	1500	120
107-06-2	1,2-Dichloroethane	U	1500	1.0	5	1500	180
79-01-6	Trichloroethene	U	1500	1.0	5	1500	230
74-95-3	Dibromomethane	U	1500	1.0	5	1500	140
78-87-5	1,2-Dichloropropane	U	1500	1.0	5	1500	220
75-27-4	Bromodichloromethane	U	1500	1.0	5	1500	160
10061-01-5	cis-1,3-dichloropropene	U	1500	1.0	5	1500	100
110-75-8	2-Chloroethylvinylether	U	1500	1.0	5	1500	290
108-88-3	Toluene	U	1500	1.0	5	1500	260
108-10-1	4-methyl-2-pentanone	U	7600	1.0	25	7600	1300
127-18-4	Tetrachloroethene	U	1500	1.0	5	1500	370
10061-02-6	trans-1,3-Dichloropropene	U	1500	1.0	5	1500	170
124-48-1	Dibromochloromethane	U	1500	1.0	5	1500	160
142-28-9	1,3-Dichloropropane	U	1500	1.0	5	1500	100
106-93-4	1,2-Dibromoethane	U	1500	1.0	5	1500	140

Sample Data Summary A0000015

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date:
Analysis Date: 03-NOV-2005 07:05
Report Date: 11/03/2005
Matrix: SOIL
% Solids: 32.3

Lab ID: WV5583-2DL
Client ID: SD-13-01
SDG: MID-5
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG22364
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	7600	1.0	25	7600	1200
108-90-7	Chlorobenzene	U	1500	1.0	5	1500	200
100-41-4	Ethylbenzene	U	1500	1.0	5	1500	230
630-20-6	1,1,1,2-Tetrachloroethane	U	1500	1.0	5	1500	160
1330-20-7	Xylenes (total)	U	4600	1.0	15	4600	570
	m+p-Xylenes	U	3000	1.0	10	3000	390
95-47-6	o-Xylene	U	1500	1.0	5	1500	190
100-42-5	Styrene	U	1500	1.0	5	1500	97
75-25-2	Bromoform	U	1500	1.0	5	1500	180
98-82-8	Isopropylbenzene	U	1500	1.0	5	1500	230
108-86-1	Bromobenzene	U	1500	1.0	5	1500	300
103-65-1	N-Propylbenzene	U	1500	1.0	5	1500	220
79-34-5	1,1,2,2-Tetrachloroethane	U	1500	1.0	5	1500	340
95-49-8	2-Chlorotoluene	U	1500	1.0	5	1500	200
96-18-4	1,2,3-Trichloropropane	U	1500	1.0	5	1500	230
106-43-4	4-Chlorotoluene	U	1500	1.0	5	1500	150
98-06-6	tert-Butylbenzene	U	1500	1.0	5	1500	210
95-63-6	1,2,4-Trimethylbenzene	JB	780	1.0	5	1500	170
99-87-6	P-Isopropyltoluene	U	1500	1.0	5	1500	200
541-73-1	1,3-Dichlorobenzene	U	1500	1.0	5	1500	100
106-46-7	1,4-Dichlorobenzene	U	1500	1.0	5	1500	79
104-51-8	N-Butylbenzene	U	1500	1.0	5	1500	200
135-98-8	sec-Butylbenzene	U	1500	1.0	5	1500	300
95-50-1	1,2-Dichlorobenzene	U	1500	1.0	5	1500	88
96-12-8	1,2-Dibromo-3-Chloropropane	U	1500	1.0	5	1500	240
87-68-3	Hexachlorobutadiene	U	1500	1.0	5	1500	240
120-82-1	1,2,4-Trichlorobenzene	U	1500	1.0	5	1500	270
526-73-8	1,2,3-Trimethylbenzene	JB	190	1.0	5	1500	100
91-20-3	Naphthalene	JB	1000	1.0	5	1500	470
87-61-6	1,2,3-Trichlorobenzene	U	1500	1.0	5	1500	430
1868-53-7	Dibromofluoromethane		94%				
17060-07-0	1,2-Dichloroethane-D4		101%				
2037-26-5	Toluene-D8		88%				
460-00-4	P-Bromofluorobenzene		105%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-13-01

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Matrix: (soil/water) SOIL Lab Sample ID: WV5583-2DL

Sample wt/vol: 5.100(g/uL) G Lab File ID: F9442

Level: (low/med) MED Date Received: 10/21/05

% Moisture: not dec. 68 Date Analyzed: 11/03/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10(mL) Soil Aliquot Volume: 400(uL)

Number TICs found: 4

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		BRANCHED ALKANE	11.71	2000	J
2.		BRANCHED ALKANE	14.65	4000	J
3.	91-17-8	NAPHTHALENE, DECAHYDRO-	17.30	3000	NJ
4.	2958-76-1	NAPHTHALENE, DECAHYDRO-2-ME	18.24	2000	NJ
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FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date:
Analysis Date: 26-OCT-2005 10:15
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 32.3

Lab ID: WV5583-2RA
Client ID: SD-13-01
SDG: MID-5
Extracted by:
Extraction Method: SW846 5035
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22041
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	30	1.0	10	30	6
74-87-3	Chloromethane	U	30	1.0	10	30	3
75-01-4	Vinyl chloride	U	30	1.0	10	30	5
74-83-9	Bromomethane	U	30	1.0	10	30	6
75-00-3	Chloroethane	U	30	1.0	10	30	4
75-69-4	Trichlorofluoromethane	U	30	1.0	10	30	5
75-65-0	Tertiary-butyl alcohol	U	30	1.0	10	30	21
75-35-4	1,1-Dichloroethene	U	15	1.0	5	15	3
75-15-0	Carbon Disulfide	U	15	1.0	5	15	4
76-13-1	Freon-113	U	15	1.0	5	15	5
637-92-3	Ethyl tertiary-butyl ether	U	15	1.0	5	15	0.8
75-09-2	Methylene Chloride	JB	7	1.0	5	15	6
67-64-1	Acetone	J	72	1.0	25	76	13
156-60-5	trans-1,2-Dichloroethene	U	15	1.0	5	15	3
1634-04-4	Methyl tert-butyl ether	U	30	1.0	10	30	2
108-20-3	Di-isopropyl ether	U	15	1.0	5	15	1
75-34-3	1,1-Dichloroethane	U	15	1.0	5	15	3
108-05-4	Vinyl Acetate	U	15	1.0	5	15	0.7
156-59-2	cis-1,2-Dichloroethene	U	15	1.0	5	15	2
540-59-0	1,2-Dichloroethylene (total)	U	30	1.0	10	30	5
594-20-7	2,2-Dichloropropane	U	15	1.0	5	15	4
74-97-5	Bromochloromethane	U	15	1.0	5	15	4
67-66-3	Chloroform	U	15	1.0	5	15	2
56-23-5	Carbon Tetrachloride	U	15	1.0	5	15	9
71-55-6	1,1,1-Trichloroethane	U	15	1.0	5	15	4
563-58-6	1,1-Dichloropropene	U	15	1.0	5	15	4
78-93-3	2-Butanone	U	76	1.0	25	76	10
71-43-2	Benzene	U	15	1.0	5	15	2
994-05-8	Tertiary-amyl methyl ether	U	15	1.0	5	15	1
107-06-2	1,2-Dichloroethane	U	15	1.0	5	15	2
79-01-6	Trichloroethene	U	15	1.0	5	15	2
74-95-3	Dibromomethane	U	15	1.0	5	15	1
78-87-5	1,2-Dichloropropane	U	15	1.0	5	15	2
75-27-4	Bromodichloromethane	U	15	1.0	5	15	2
10061-01-5	cis-1,3-dichloropropene	U	15	1.0	5	15	1
110-75-8	2-Chloroethylvinylether	U	15	1.0	5	15	3
108-88-3	Toluene	U	15	1.0	5	15	3
108-10-1	4-methyl-2-pentanone	U	76	1.0	25	76	13
127-18-4	Tetrachloroethene	U	15	1.0	5	15	4
10061-02-6	trans-1,3-Dichloropropene	U	15	1.0	5	15	2
124-48-1	Dibromochloromethane	U	15	1.0	5	15	2
142-28-9	1,3-Dichloropropane	U	15	1.0	5	15	1
106-93-4	1,2-Dibromoethane	U	15	1.0	5	15	1

Sample Data Summary A0000012

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date:
Analysis Date: 26-OCT-2005 10:15
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 32.3

Lab ID: WV5583-2RA
Client ID: SD-13-01
SDG: MID-5
Extracted by:
Extraction Method: SW846 5035
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22041
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	76	1.0	25	76	12
108-90-7	Chlorobenzene	U	15	1.0	5	15	2
100-41-4	Ethylbenzene	U	15	1.0	5	15	2
630-20-6	1,1,1,2-Tetrachloroethane	U	15	1.0	5	15	2
1330-20-7	Xylenes (total)	U	46	1.0	15	46	6
	m+p-Xylenes	U	30	1.0	10	30	4
95-47-6	o-Xylene	U	15	1.0	5	15	2
100-42-5	Styrene	U	15	1.0	5	15	1.0
75-25-2	Bromoform	U	15	1.0	5	15	2
98-82-8	Isopropylbenzene	J	3	1.0	5	15	2
108-86-1	Bromobenzene	U	15	1.0	5	15	3
103-65-1	N-Propylbenzene	U	15	1.0	5	15	2
79-34-5	1,1,2,2-Tetrachloroethane	U	15	1.0	5	15	3
95-49-8	2-Chlorotoluene	U	15	1.0	5	15	2
96-18-4	1,2,3-Trichloropropane	U	15	1.0	5	15	2
106-43-4	4-Chlorotoluene	U	15	1.0	5	15	1
98-06-6	tert-Butylbenzene	U	15	1.0	5	15	2
95-63-6	1,2,4-Trimethylbenzene	U	15	1.0	5	15	2
99-87-6	P-Isopropyltoluene	U	15	1.0	5	15	2
541-73-1	1,3-Dichlorobenzene	U	15	1.0	5	15	1
106-46-7	1,4-Dichlorobenzene	U	15	1.0	5	15	0.8
104-51-8	N-Butylbenzene	U	15	1.0	5	15	2
135-98-8	sec-Butylbenzene		20	1.0	5	15	3
95-50-1	1,2-Dichlorobenzene	U	15	1.0	5	15	0.9
96-12-8	1,2-Dibromo-3-Chloropropane	U	15	1.0	5	15	2
87-68-3	Hexachlorobutadiene	U	15	1.0	5	15	2
120-82-1	1,2,4-Trichlorobenzene	U	15	1.0	5	15	3
526-73-8	1,2,3-Trimethylbenzene	U	15	1.0	5	15	1
91-20-3	Naphthalene	U	15	1.0	5	15	5
87-61-6	1,2,3-Trichlorobenzene	U	15	1.0	5	15	4
1868-53-7	Dibromofluoromethane		* 43%				
17060-07-0	1,2-Dichloroethane-D4		* 47%				
2037-26-5	Toluene-D8		* 32%				
460-00-4	P-Bromofluorobenzene		59%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-13-01

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Matrix: (soil/water) SOIL Lab Sample ID: WV5583-2RA

Sample wt/vol: 5.100(g/mL) G Lab File ID: Z8017

Level: (low/med) LOW Date Received: 10/21/05

% Moisture: not dec. 68 Date Analyzed: 10/26/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 20

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		BRANCHED ALKANE	7.92	100	J
2.	565-75-3	PENTANE, 2,3,4-TRIMETHYL-	9.92	80	NJ
3.		BRANCHED ALKANE	10.06	100	J
4.		BRANCHED ALKANE	10.54	200	J
5.	2213-23-2	HEPTANE, 2,4-DIMETHYL-	11.12	40	NJ
6.		BRANCHED ALKENE	11.44	70	J
7.		UNKNOWN CYCLOALKANE	11.62	50	J
8.	1795-26-2	CYCLOHEXANE, 1,3,5-TRIMETHY	11.89	100	NJ
9.	7094-26-0	CYCLOHEXANE, 1,1,2-TRIMETHY	12.38	50	NJ
10.		C10H18 ISOMER	12.71	40	J
11.		BRANCHED ALKENE	12.85	200	J
12.		BRANCHED ALKANE	12.93	70	J
13.	2051-30-1	OCTANE, 2,6-DIMETHYL-	13.04	400	NJ
14.		BRANCHED ALKANE	13.14	200	J
15.		UNKNOWN CYCLOALKANE	13.50	300	J
16.		BRANCHED ALKENE	13.53	400	J
17.		UNKNOWN CYCLOALKANE	13.73	200	J
18.	2847-72-5	DECANE, 4-METHYL-	13.93	700	NJ
19.	2958-76-1	NAPHTHALENE, DECAHYDRO-2-ME	14.83	400	NJ
20.	2958-76-1	NAPHTHALENE, DECAHYDRO-2-ME	14.95	200	NJ
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23.					
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FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date:
Analysis Date: 25-OCT-2005 16:51
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 41.2

Lab ID: WV5583-3
Client ID: SD-13-02
SDG: MID-5
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22012
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	24	1.0	10	24	4
74-87-3	Chloromethane	U	24	1.0	10	24	2
75-01-4	Vinyl chloride	U	24	1.0	10	24	4
74-83-9	Bromomethane	U	24	1.0	10	24	5
75-00-3	Chloroethane	U	24	1.0	10	24	4
75-69-4	Trichlorofluoromethane	U	24	1.0	10	24	4
75-65-0	Tertiary-butyl alcohol	U	24	1.0	10	24	17
75-35-4	1,1-Dichloroethene	U	12	1.0	5	12	2
75-15-0	Carbon Disulfide	U	12	1.0	5	12	4
76-13-1	Freon-113	U	12	1.0	5	12	4
637-92-3	Ethyl tertiary-butyl ether	U	12	1.0	5	12	0.6
75-09-2	Methylene Chloride	JB	8	1.0	5	12	5
67-64-1	Acetone		120	1.0	25	61	10
156-60-5	trans-1,2-Dichloroethene	U	12	1.0	5	12	2
1634-04-4	Methyl tert-butyl ether	U	24	1.0	10	24	2
108-20-3	Di-isopropyl ether	U	12	1.0	5	12	0.9
75-34-3	1,1-Dichloroethane	U	12	1.0	5	12	2
108-05-4	Vinyl Acetate	U	12	1.0	5	12	0.6
156-59-2	cis-1,2-Dichloroethene	U	12	1.0	5	12	2
540-59-0	1,2-Dichloroethylene (total)	U	24	1.0	10	24	4
594-20-7	2,2-Dichloropropane	U	12	1.0	5	12	4
74-97-5	Bromochloromethane	U	12	1.0	5	12	3
67-66-3	Chloroform	U	12	1.0	5	12	2
56-23-5	Carbon Tetrachloride	U	12	1.0	5	12	7
71-55-6	1,1,1-Trichloroethane	U	12	1.0	5	12	3
563-58-6	1,1-Dichloropropene	U	12	1.0	5	12	3
78-93-3	2-Butanone	U	61	1.0	25	61	8
71-43-2	Benzene	U	12	1.0	5	12	2
994-05-8	Tertiary-amyl methyl ether	U	12	1.0	5	12	0.9
107-06-2	1,2-Dichloroethane	U	12	1.0	5	12	1
79-01-6	Trichloroethene	U	12	1.0	5	12	2
74-95-3	Dibromomethane	U	12	1.0	5	12	1
78-87-5	1,2-Dichloropropane	U	12	1.0	5	12	2
75-27-4	Bromodichloromethane	U	12	1.0	5	12	1
10061-01-5	cis-1,3-dichloropropene	U	12	1.0	5	12	0.8
110-75-8	2-Chloroethylvinylether	U	12	1.0	5	12	2
108-88-3	Toluene	U	12	1.0	5	12	2
108-10-1	4-methyl-2-pentanone	U	61	1.0	25	61	10
127-18-4	Tetrachloroethene	U	12	1.0	5	12	3
10061-02-6	trans-1,3-Dichloropropene	U	12	1.0	5	12	1
124-48-1	Dibromochloromethane	U	12	1.0	5	12	1
142-28-9	1,3-Dichloropropane	U	12	1.0	5	12	0.8
106-93-4	1,2-Dibromoethane	U	12	1.0	5	12	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date:
Analysis Date: 25-OCT-2005 16:51
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 41.2

Lab ID: WV5583-3
Client ID: SD-13-02
SDG: MID-5
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22012
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	61	1.0	25	61	10
108-90-7	Chlorobenzene	U	12	1.0	5	12	2
100-41-4	Ethylbenzene	U	12	1.0	5	12	2
630-20-6	1,1,1,2-Tetrachloroethane	U	12	1.0	5	12	1
1330-20-7	Xylenes (total)	U	36	1.0	15	36	4
	m+p-Xylenes	U	24	1.0	10	24	3
95-47-6	o-Xylene	U	12	1.0	5	12	2
100-42-5	Styrene	U	12	1.0	5	12	0.8
75-25-2	Bromoform	U	12	1.0	5	12	1
98-82-8	Isopropylbenzene		38	1.0	5	12	2
108-86-1	Bromobenzene	U	12	1.0	5	12	2
103-65-1	N-Propylbenzene	U	12	1.0	5	12	2
79-34-5	1,1,2,2-Tetrachloroethane	U	12	1.0	5	12	3
95-49-8	2-Chlorotoluene	U	12	1.0	5	12	2
96-18-4	1,2,3-Trichloropropane	U	12	1.0	5	12	2
106-43-4	4-Chlorotoluene	U	12	1.0	5	12	1
98-06-6	tert-Butylbenzene	U	12	1.0	5	12	2
95-63-6	1,2,4-Trimethylbenzene	U	12	1.0	5	12	1
99-87-6	P-Isopropyltoluene	U	12	1.0	5	12	2
541-73-1	1,3-Dichlorobenzene	U	12	1.0	5	12	0.8
106-46-7	1,4-Dichlorobenzene	U	12	1.0	5	12	0.6
104-51-8	N-Butylbenzene	U	12	1.0	5	12	2
135-98-8	sec-Butylbenzene		180	1.0	5	12	2
95-50-1	1,2-Dichlorobenzene	U	12	1.0	5	12	0.7
96-12-8	1,2-Dibromo-3-Chloropropane	U	12	1.0	5	12	2
87-68-3	Hexachlorobutadiene	U	12	1.0	5	12	2
120-82-1	1,2,4-Trichlorobenzene	U	12	1.0	5	12	2
526-73-8	1,2,3-Trimethylbenzene	U	12	1.0	5	12	0.8
91-20-3	Naphthalene	U	12	1.0	5	12	4
87-61-6	1,2,3-Trichlorobenzene	U	12	1.0	5	12	3
1868-53-7	Dibromofluoromethane		104%				
17060-07-0	1,2-Dichloroethane-D4		101%				
2037-26-5	Toluene-D8		*119%				
460-00-4	P-Bromofluorobenzene		*1881%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-13-02

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Matrix: (soil/water) SOIL Lab Sample ID: WV5583-3

Sample wt/vol: 5.000(g/mL) G Lab File ID: Z7997

Level: (low/med) LOW Date Received: 10/21/05

% Moisture: not dec. 59 Date Analyzed: 10/25/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 19

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	565-59-3	PENTANE, 2,3-DIMETHYL-	6.95	200	NJ
2.		BRANCHED ALKENE	7.94	400	J
3.		UNKNOWN CYCLOALKANE	9.26	2000	J
4.	4850-28-6	CYCLOPENTANE, 1,2,4-TRIMETH	9.66	2000	NJ
5.	565-75-3	PENTANE, 2,3,4-TRIMETHYL-	9.92	2000	NJ
6.		BRANCHED ALKANE	10.54	4000	J
7.	590-66-9	CYCLOHEXANE, 1,1-DIMETHYL-	10.67	900	NJ
8.	2207-03-6	CYCLOHEXANE, 1,3-DIMETHYL-,	10.99	10	NJ
9.		BRANCHED ALKANE	11.13	20	J
10.	3073-66-3	CYCLOHEXANE, 1,1,3-TRIMETHY	11.63	50	NJ
11.	7667-60-9	CYCLOHEXANE, 1,2,4-TRIMETHY	11.90	100	NJ
12.		C7H14 ISOMER	12.10	10	J
13.	1678-81-5	CYCLOHEXANE, 1,2,3-TRIMETHY	12.39	30	NJ
14.		C9H18 ISOMER	12.87	300	J
15.		BRANCHED ALKANE	12.95	70	J
16.		UNKNOWN CYCLOALKANE	13.55	200	J
17.		C21H40CINO ISOMER	14.81	60	J
18.	2958-76-1	NAPHTHALENE, DECAHYDRO-2-ME	14.99	200	NJ
19.		C12H22 ISOMER	15.29	50	J
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23.					
24.					
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FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date:
Analysis Date: 03-NOV-2005 07:38
Report Date: 11/03/2005
Matrix: SOIL
% Solids: 41.2

Lab ID: WV5583-3DL
Client ID: SD-13-02
SDG: MID-5
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG22364
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	2400	1.0	10	2400	440
74-87-3	Chloromethane	U	2400	1.0	10	2400	230
75-01-4	Vinyl chloride	U	2400	1.0	10	2400	430
74-83-9	Bromomethane	U	2400	1.0	10	2400	480
75-00-3	Chloroethane	U	2400	1.0	10	2400	350
75-69-4	Trichlorofluoromethane	U	2400	1.0	10	2400	430
75-65-0	Tertiary-butyl alcohol	U	2400	1.0	10	2400	1600
75-35-4	1,1-Dichloroethene	U	1200	1.0	5	1200	240
75-15-0	Carbon Disulfide	U	1200	1.0	5	1200	360
76-13-1	Freon-113	U	1200	1.0	5	1200	390
637-92-3	Ethyl tertiary-butyl ether	U	1200	1.0	5	1200	64
75-09-2	Methylene Chloride	U	1200	1.0	5	1200	480
67-64-1	Acetone	U	5900	1.0	25	5900	990
156-60-5	trans-1,2-Dichloroethene	U	1200	1.0	5	1200	210
1634-04-4	Methyl tert-butyl ether	U	2400	1.0	10	2400	160
108-20-3	Di-isopropyl ether	U	1200	1.0	5	1200	86
75-34-3	1,1-Dichloroethane	U	1200	1.0	5	1200	250
108-05-4	Vinyl Acetate	U	1200	1.0	5	1200	57
156-59-2	cis-1,2-Dichloroethene	U	1200	1.0	5	1200	160
540-59-0	1,2-Dichloroethylene (total)	U	2400	1.0	10	2400	380
594-20-7	2,2-Dichloropropane	U	1200	1.0	5	1200	360
74-97-5	Bromochloromethane	U	1200	1.0	5	1200	290
67-66-3	Chloroform	U	1200	1.0	5	1200	200
56-23-5	Carbon Tetrachloride	U	1200	1.0	5	1200	720
71-55-6	1,1,1-Trichloroethane	U	1200	1.0	5	1200	320
563-58-6	1,1-Dichloropropene	U	1200	1.0	5	1200	320
78-93-3	2-Butanone	U	5900	1.0	25	5900	750
71-43-2	Benzene	U	1200	1.0	5	1200	200
994-05-8	Tertiary-amyl methyl ether	U	1200	1.0	5	1200	93
107-06-2	1,2-Dichloroethane	U	1200	1.0	5	1200	140
79-01-6	Trichloroethene	U	1200	1.0	5	1200	180
74-95-3	Dibromomethane	U	1200	1.0	5	1200	110
78-87-5	1,2-Dichloropropane	U	1200	1.0	5	1200	170
75-27-4	Bromodichloromethane	U	1200	1.0	5	1200	120
10061-01-5	cis-1,3-dichloropropene	U	1200	1.0	5	1200	78
110-75-8	2-Chloroethylvinylether	U	1200	1.0	5	1200	230
108-88-3	Toluene	U	1200	1.0	5	1200	210
108-10-1	4-methyl-2-pentanone	U	5900	1.0	25	5900	1000
127-18-4	Tetrachloroethene	U	1200	1.0	5	1200	290
10061-02-6	trans-1,3-Dichloropropene	U	1200	1.0	5	1200	130
124-48-1	Dibromochloromethane	U	1200	1.0	5	1200	120
142-28-9	1,3-Dichloropropane	U	1200	1.0	5	1200	81
106-93-4	1,2-Dibromoethane	U	1200	1.0	5	1200	110

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date:
Analysis Date: 03-NOV-2005 07:38
Report Date: 11/03/2005
Matrix: SOIL
% Solids: 41.2

Lab ID: WV5583-3DL
Client ID: SD-13-02
SDG: MID-5
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG22364
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	5900	1.0	25	5900	960
108-90-7	Chlorobenzene	U	1200	1.0	5	1200	160
100-41-4	Ethylbenzene	U	1200	1.0	5	1200	180
630-20-6	1,1,1,2-Tetrachloroethane	U	1200	1.0	5	1200	120
1330-20-7	Xylenes (total)	U	3600	1.0	15	3600	440
	m+p-Xylenes	U	2400	1.0	10	2400	310
95-47-6	o-Xylene	U	1200	1.0	5	1200	150
100-42-5	Styrene	U	1200	1.0	5	1200	76
75-25-2	Bromoform	U	1200	1.0	5	1200	140
98-82-8	Isopropylbenzene	U	1200	1.0	5	1200	180
108-86-1	Bromobenzene	U	1200	1.0	5	1200	240
103-65-1	N-Propylbenzene	U	1200	1.0	5	1200	170
79-34-5	1,1,2,2-Tetrachloroethane	U	1200	1.0	5	1200	270
95-49-8	2-Chlorotoluene	U	1200	1.0	5	1200	160
96-18-4	1,2,3-Trichloropropane	U	1200	1.0	5	1200	180
106-43-4	4-Chlorotoluene	U	1200	1.0	5	1200	120
98-06-6	tert-Butylbenzene	U	1200	1.0	5	1200	160
95-63-6	1,2,4-Trimethylbenzene	JB	140	1.0	5	1200	130
99-87-6	P-Isopropyltoluene	U	1200	1.0	5	1200	160
541-73-1	1,3-Dichlorobenzene	U	1200	1.0	5	1200	78
106-46-7	1,4-Dichlorobenzene	U	1200	1.0	5	1200	62
104-51-8	N-Butylbenzene	U	1200	1.0	5	1200	160
135-98-8	sec-Butylbenzene	U	1200	1.0	5	1200	240
95-50-1	1,2-Dichlorobenzene	U	1200	1.0	5	1200	69
96-12-8	1,2-Dibromo-3-Chloropropane	U	1200	1.0	5	1200	190
87-68-3	Hexachlorobutadiene	U	1200	1.0	5	1200	180
120-82-1	1,2,4-Trichlorobenzene	U	1200	1.0	5	1200	210
526-73-8	1,2,3-Trimethylbenzene	U	1200	1.0	5	1200	81
91-20-3	Naphthalene	JB	620	1.0	5	1200	370
87-61-6	1,2,3-Trichlorobenzene	U	1200	1.0	5	1200	340
1868-53-7	Dibromofluoromethane		94%				
17060-07-0	1,2-Dichloroethane-D4		98%				
2037-26-5	Toluene-D8		84%				
460-00-4	P-Bromofluorobenzene		107%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-13-02

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Matrix: (soil/water) SOIL Lab Sample ID: WV5583-3DL

Sample wt/vol: 5.100(g/uL) G Lab File ID: F9443

Level: (low/med) MED Date Received: 10/21/05

% Moisture: not dec. 59 Date Analyzed: 11/03/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10(mL) Soil Aliquot Volume: 400(uL)

Number TICs found: 4

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		BRANCHED ALKANE	14.65	4000	J
2.		C11H20 ISOMER	18.25	6000	J
3.	2958-76-1	NAPHTHALENE, DECAHYDRO-2-ME	18.54	4000	NJ
4.	2958-76-1	NAPHTHALENE, DECAHYDRO-2-ME	19.33	2000	NJ
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FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date:
Analysis Date: 26-OCT-2005 10:55
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 41.2

Lab ID: WV5583-3RA
Client ID: SD-13-02
SDG: MID-5
Extracted by:
Extraction Method: SW846 5035
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22041
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	24	1.0	10	24	4
74-87-3	Chloromethane	U	24	1.0	10	24	2
75-01-4	Vinyl chloride	U	24	1.0	10	24	4
74-83-9	Bromomethane	U	24	1.0	10	24	5
75-00-3	Chloroethane	U	24	1.0	10	24	4
75-69-4	Trichlorofluoromethane	U	24	1.0	10	24	4
75-65-0	Tertiary-butyl alcohol	U	24	1.0	10	24	16
75-35-4	1,1-Dichloroethene	U	12	1.0	5	12	2
75-15-0	Carbon Disulfide	U	12	1.0	5	12	4
76-13-1	Freon-113	U	12	1.0	5	12	4
637-92-3	Ethyl tertiary-butyl ether	U	12	1.0	5	12	0.6
75-09-2	Methylene Chloride	JB	7	1.0	5	12	5
67-64-1	Acetone		65	1.0	25	59	10
156-60-5	trans-1,2-Dichloroethene	U	12	1.0	5	12	2
1634-04-4	Methyl tert-butyl ether	U	24	1.0	10	24	2
108-20-3	Di-isopropyl ether	U	12	1.0	5	12	0.8
75-34-3	1,1-Dichloroethane	U	12	1.0	5	12	2
108-05-4	Vinyl Acetate	U	12	1.0	5	12	0.6
156-59-2	cis-1,2-Dichloroethene	U	12	1.0	5	12	2
540-59-0	1,2-Dichloroethylene (total)	U	24	1.0	10	24	4
594-20-7	2,2-Dichloropropane	U	12	1.0	5	12	4
74-97-5	Bromochloromethane	U	12	1.0	5	12	3
67-66-3	Chloroform	U	12	1.0	5	12	2
56-23-5	Carbon Tetrachloride	U	12	1.0	5	12	7
71-55-6	1,1,1-Trichloroethane	U	12	1.0	5	12	3
563-58-6	1,1-Dichloropropene	U	12	1.0	5	12	3
78-93-3	2-Butanone	U	59	1.0	25	59	7
71-43-2	Benzene	U	12	1.0	5	12	2
994-05-8	Tertiary-amyl methyl ether	U	12	1.0	5	12	0.9
107-06-2	1,2-Dichloroethane	U	12	1.0	5	12	1
79-01-6	Trichloroethene	U	12	1.0	5	12	2
74-95-3	Dibromomethane	U	12	1.0	5	12	1
78-87-5	1,2-Dichloropropane	U	12	1.0	5	12	2
75-27-4	Bromodichloromethane	U	12	1.0	5	12	1
10061-01-5	cis-1,3-dichloropropene	U	12	1.0	5	12	0.8
110-75-8	2-Chloroethylvinylether	U	12	1.0	5	12	2
108-88-3	Toluene	U	12	1.0	5	12	2
108-10-1	4-methyl-2-pentanone	U	59	1.0	25	59	10
127-18-4	Tetrachloroethene	U	12	1.0	5	12	3
10061-02-6	trans-1,3-Dichloropropene	U	12	1.0	5	12	1
124-48-1	Dibromochloromethane	U	12	1.0	5	12	1
142-28-9	1,3-Dichloropropane	U	12	1.0	5	12	0.8
106-93-4	1,2-Dibromoethane	U	12	1.0	5	12	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date:
Analysis Date: 26-OCT-2005 10:55
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 41.2

Lab ID: WV5583-3RA
Client ID: SD-13-02
SDG: MID-5
Extracted by:
Extraction Method: SW846 5035
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22041
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	59	1.0	25	59	10
108-90-7	Chlorobenzene	U	12	1.0	5	12	2
100-41-4	Ethylbenzene	U	12	1.0	5	12	2
630-20-6	1,1,1,2-Tetrachloroethane	U	12	1.0	5	12	1
1330-20-7	Xylenes (total)	U	36	1.0	15	36	4
	m+p-Xylenes	U	24	1.0	10	24	3
95-47-6	o-Xylene	U	12	1.0	5	12	1
100-42-5	Styrene	U	12	1.0	5	12	0.8
75-25-2	Bromoform	U	12	1.0	5	12	1
98-82-8	Isopropylbenzene	J	5	1.0	5	12	2
108-86-1	Bromobenzene	U	12	1.0	5	12	2
103-65-1	N-Propylbenzene	U	12	1.0	5	12	2
79-34-5	1,1,2,2-Tetrachloroethane	U	12	1.0	5	12	3
95-49-8	2-Chlorotoluene	U	12	1.0	5	12	2
96-18-4	1,2,3-Trichloropropane	U	12	1.0	5	12	2
106-43-4	4-Chlorotoluene	U	12	1.0	5	12	1
98-06-6	tert-Butylbenzene	U	12	1.0	5	12	2
95-63-6	1,2,4-Trimethylbenzene	U	12	1.0	5	12	1
99-87-6	P-Isopropyltoluene	U	12	1.0	5	12	2
541-73-1	1,3-Dichlorobenzene	U	12	1.0	5	12	0.8
106-46-7	1,4-Dichlorobenzene	U	12	1.0	5	12	0.6
104-51-8	N-Butylbenzene	U	12	1.0	5	12	2
135-98-8	sec-Butylbenzene		31	1.0	5	12	2
95-50-1	1,2-Dichlorobenzene	U	12	1.0	5	12	0.7
96-12-8	1,2-Dibromo-3-Chloropropane	U	12	1.0	5	12	2
87-68-3	Hexachlorobutadiene	U	12	1.0	5	12	2
120-82-1	1,2,4-Trichlorobenzene	U	12	1.0	5	12	2
526-73-8	1,2,3-Trimethylbenzene	U	12	1.0	5	12	0.8
91-20-3	Naphthalene	U	12	1.0	5	12	4
87-61-6	1,2,3-Trichlorobenzene	U	12	1.0	5	12	3
1868-53-7	Dibromofluoromethane		* 53%				
17060-07-0	1,2-Dichloroethane-D4		* 51%				
2037-26-5	Toluene-D8		* 49%				
460-00-4	P-Bromofluorobenzene		117%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-13-02

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Matrix: (soil/water) SOIL Lab Sample ID: WV5583-3RA

Sample wt/vol: 5.100(g/mL) G Lab File ID: Z8018

Level: (low/med) LOW Date Received: 10/21/05

% Moisture: not dec. 59 Date Analyzed: 10/26/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 20

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	7667-60-9	CYCLOHEXANE, 1,2,4-TRIMETHY	11.90	60	NJ
2.		BRANCHED ALKANE	12.93	100	J
3.	1072-16-8	OCTANE, 2,7-DIMETHYL-	12.98	80	NJ
4.	2051-30-1	OCTANE, 2,6-DIMETHYL-	13.05	400	NJ
5.		BRANCHED ALKANE	13.16	600	J
6.		BRANCHED ALKANE	13.30	200	J
7.		UNKNOWN CYCLOALKANE	13.49	100	J
8.		UNKNOWN CYCLOALKANE	13.52	100	J
9.		UNKNOWN CYCLOALKANE	13.67	100	J
10.	3913-02-8	1-OCTANOL, 2-BUTYL-	13.91	90	NJ
11.		BRANCHED ALKANE	13.93	100	J
12.		BRANCHED ALKANE	14.03	300	J
13.		UNKNOWN CYCLOALKANE	14.28	100	J
14.		BRANCHED ALKENE	14.56	200	J
15.		C15H30O2 ISOMER	14.79	300	J
16.	2958-76-1	NAPHTHALENE, DECAHYDRO-2-ME	14.83	500	NJ
17.	2958-76-1	NAPHTHALENE, DECAHYDRO-2-ME	14.96	200	NJ
18.		C10H16O ISOMER	15.00	200	J
19.		C12H22 ISOMER	15.28	100	J
20.	2958-76-1	NAPHTHALENE, DECAHYDRO-2-ME	15.52	50	NJ
21.					
22.					
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FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date:
Analysis Date: 25-OCT-2005 15:31
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 25.6

Lab ID: WV5583-1
Client ID: SD-13-SS
SDG: MID-5
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22012
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	39	1.0	10	39	7
74-87-3	Chloromethane	U	39	1.0	10	39	4
75-01-4	Vinyl chloride	U	39	1.0	10	39	7
74-83-9	Bromomethane	U	39	1.0	10	39	8
75-00-3	Chloroethane	U	39	1.0	10	39	6
75-69-4	Trichlorofluoromethane	U	39	1.0	10	39	7
75-65-0	Tertiary-butyl alcohol	U	39	1.0	10	39	27
75-35-4	1,1-Dichloroethene	U	20	1.0	5	20	4
75-15-0	Carbon Disulfide	U	20	1.0	5	20	6
76-13-1	Freon-113	U	20	1.0	5	20	6
637-92-3	Ethyl tertiary-butyl ether	U	20	1.0	5	20	1
75-09-2	Methylene Chloride	JB	15	1.0	5	20	8
67-64-1	Acetone		130	1.0	25	98	16
156-60-5	trans-1,2-Dichloroethene	U	20	1.0	5	20	4
1634-04-4	Methyl tert-butyl ether	J	8	1.0	10	39	2
108-20-3	Di-isopropyl ether	U	20	1.0	5	20	1
75-34-3	1,1-Dichloroethane	U	20	1.0	5	20	4
108-05-4	Vinyl Acetate	U	20	1.0	5	20	0.9
156-59-2	cis-1,2-Dichloroethene	U	20	1.0	5	20	3
540-59-0	1,2-Dichloroethylene (total)	U	39	1.0	10	39	6
594-20-7	2,2-Dichloropropane	U	20	1.0	5	20	6
74-97-5	Bromochloromethane	U	20	1.0	5	20	5
67-66-3	Chloroform	U	20	1.0	5	20	3
56-23-5	Carbon Tetrachloride	U	20	1.0	5	20	12
71-55-6	1,1,1-Trichloroethane	U	20	1.0	5	20	5
563-58-6	1,1-Dichloropropene	U	20	1.0	5	20	5
78-93-3	2-Butanone	J	23	1.0	25	98	12
71-43-2	Benzene	U	20	1.0	5	20	3
994-05-8	Tertiary-amyl methyl ether	U	20	1.0	5	20	2
107-06-2	1,2-Dichloroethane	U	20	1.0	5	20	2
79-01-6	Trichloroethene	U	20	1.0	5	20	3
74-95-3	Dibromomethane	U	20	1.0	5	20	2
78-87-5	1,2-Dichloropropane	U	20	1.0	5	20	3
75-27-4	Bromodichloromethane	U	20	1.0	5	20	2
10061-01-5	cis-1,3-dichloropropene	U	20	1.0	5	20	1
110-75-8	2-Chloroethylvinylether	U	20	1.0	5	20	4
108-88-3	Toluene	U	20	1.0	5	20	3
108-10-1	4-methyl-2-pentanone	U	98	1.0	25	98	16
127-18-4	Tetrachloroethene	U	20	1.0	5	20	5
10061-02-6	trans-1,3-Dichloropropene	U	20	1.0	5	20	2
124-48-1	Dibromochloromethane	U	20	1.0	5	20	2
142-28-9	1,3-Dichloropropane	U	20	1.0	5	20	1
106-93-4	1,2-Dibromoethane	U	20	1.0	5	20	2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date:
Analysis Date: 25-OCT-2005 15:31
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 25.6

Lab ID: WV5583-1
Client ID: SD-13-SS
SDG: MID-5
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22012
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	98	1.0	25	98	16
108-90-7	Chlorobenzene	U	20	1.0	5	20	2
100-41-4	Ethylbenzene	U	20	1.0	5	20	3
630-20-6	1,1,1,2-Tetrachloroethane	U	20	1.0	5	20	2
1330-20-7	Xylenes (total)	U	58	1.0	15	58	7
	m+p-Xylenes	U	39	1.0	10	39	5
95-47-6	o-Xylene	U	20	1.0	5	20	2
100-42-5	Styrene	JB	1	1.0	5	20	1
75-25-2	Bromoform	U	20	1.0	5	20	2
98-82-8	Isopropylbenzene	U	20	1.0	5	20	3
108-86-1	Bromobenzene	U	20	1.0	5	20	4
103-65-1	N-Propylbenzene	U	20	1.0	5	20	3
79-34-5	1,1,2,2-Tetrachloroethane	U	20	1.0	5	20	4
95-49-8	2-Chlorotoluene	U	20	1.0	5	20	3
96-18-4	1,2,3-Trichloropropane	U	20	1.0	5	20	3
106-43-4	4-Chlorotoluene	U	20	1.0	5	20	2
98-06-6	tert-Butylbenzene	U	20	1.0	5	20	3
95-63-6	1,2,4-Trimethylbenzene	U	20	1.0	5	20	2
99-87-6	P-Isopropyltoluene	U	20	1.0	5	20	3
541-73-1	1,3-Dichlorobenzene	U	20	1.0	5	20	1
106-46-7	1,4-Dichlorobenzene	U	20	1.0	5	20	1
104-51-8	N-Butylbenzene	U	20	1.0	5	20	2
135-98-8	sec-Butylbenzene	U	20	1.0	5	20	4
95-50-1	1,2-Dichlorobenzene	U	20	1.0	5	20	1
96-12-8	1,2-Dibromo-3-Chloropropane	U	20	1.0	5	20	3
87-68-3	Hexachlorobutadiene	U	20	1.0	5	20	3
120-82-1	1,2,4-Trichlorobenzene	U	20	1.0	5	20	3
526-73-8	1,2,3-Trimethylbenzene	U	20	1.0	5	20	1
91-20-3	Naphthalene	J	7	1.0	5	20	6
87-61-6	1,2,3-Trichlorobenzene	U	20	1.0	5	20	5
1868-53-7	Dibromofluoromethane		105%				
17060-07-0	1,2-Dichloroethane-D4		109%				
2037-26-5	Toluene-D8		112%				
460-00-4	P-Bromofluorobenzene		87%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-13-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Matrix: (soil/water) SOIL Lab Sample ID: WV5583-1

Sample wt/vol: 5.000(g/mL) G Lab File ID: Z7995

Level: (low/med) LOW Date Received: 10/21/05

% Moisture: not dec. 74 Date Analyzed: 10/25/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
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FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date:
Analysis Date: 26-OCT-2005 09:35
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 25.6

Lab ID: WV5583-1RA
Client ID: SD-13-SS
SDG: MID-5
Extracted by:
Extraction Method: SW846 5035
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22041
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	38	1.0	10	38	7
74-87-3	Chloromethane	U	38	1.0	10	38	4
75-01-4	Vinyl chloride	U	38	1.0	10	38	7
74-83-9	Bromomethane	U	38	1.0	10	38	8
75-00-3	Chloroethane	U	38	1.0	10	38	6
75-69-4	Trichlorofluoromethane	U	38	1.0	10	38	7
75-65-0	Tertiary-butyl alcohol	U	38	1.0	10	38	26
75-35-4	1,1-Dichloroethene	U	19	1.0	5	19	4
75-15-0	Carbon Disulfide	U	19	1.0	5	19	6
76-13-1	Freon-113	U	19	1.0	5	19	6
637-92-3	Ethyl tertiary-butyl ether	U	19	1.0	5	19	1
75-09-2	Methylene Chloride	JB	15	1.0	5	19	8
67-64-1	Acetone	J	62	1.0	25	94	16
156-60-5	trans-1,2-Dichloroethene	U	19	1.0	5	19	3
1634-04-4	Methyl tert-butyl ether	J	9	1.0	10	38	2
108-20-3	Di-isopropyl ether	U	19	1.0	5	19	1
75-34-3	1,1-Dichloroethane	U	19	1.0	5	19	4
108-05-4	Vinyl Acetate	U	19	1.0	5	19	0.9
156-59-2	cis-1,2-Dichloroethene	U	19	1.0	5	19	2
540-59-0	1,2-Dichloroethylene (total)	U	38	1.0	10	38	6
594-20-7	2,2-Dichloropropane	U	19	1.0	5	19	6
74-97-5	Bromochloromethane	U	19	1.0	5	19	4
67-66-3	Chloroform	U	19	1.0	5	19	3
56-23-5	Carbon Tetrachloride	U	19	1.0	5	19	11
71-55-6	1,1,1-Trichloroethane	U	19	1.0	5	19	5
563-58-6	1,1-Dichloropropene	U	19	1.0	5	19	5
78-93-3	2-Butanone	U	94	1.0	25	94	12
71-43-2	Benzene	U	19	1.0	5	19	3
994-05-8	Tertiary-amyl methyl ether	U	19	1.0	5	19	1
107-06-2	1,2-Dichloroethane	U	19	1.0	5	19	2
79-01-6	Trichloroethene	U	19	1.0	5	19	3
74-95-3	Dibromomethane	U	19	1.0	5	19	2
78-87-5	1,2-Dichloropropane	U	19	1.0	5	19	3
75-27-4	Bromodichloromethane	U	19	1.0	5	19	2
10061-01-5	cis-1,3-dichloropropene	U	19	1.0	5	19	1
110-75-8	2-Chloroethylvinylether	U	19	1.0	5	19	4
108-88-3	Toluene	U	19	1.0	5	19	3
108-10-1	4-methyl-2-pentanone	U	94	1.0	25	94	16
127-18-4	Tetrachloroethene	U	19	1.0	5	19	5
10061-02-6	trans-1,3-Dichloropropene	U	19	1.0	5	19	2
124-48-1	Dibromochloromethane	U	19	1.0	5	19	2
142-28-9	1,3-Dichloropropane	U	19	1.0	5	19	1
106-93-4	1,2-Dibromoethane	U	19	1.0	5	19	2

Sample Data Summary A0000006

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date:
Analysis Date: 26-OCT-2005 09:35
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 25.6

Lab ID: WV5583-1RA
Client ID: SD-13-SS
SDG: MID-5
Extracted by:
Extraction Method: SW846 5035
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22041
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	94	1.0	25	94	15
108-90-7	Chlorobenzene	U	19	1.0	5	19	2
100-41-4	Ethylbenzene	U	19	1.0	5	19	3
630-20-6	1,1,1,2-Tetrachloroethane	U	19	1.0	5	19	2
1330-20-7	Xylenes (total)	U	56	1.0	15	56	7
	m+p-Xylenes	U	38	1.0	10	38	5
95-47-6	o-Xylene	U	19	1.0	5	19	2
100-42-5	Styrene	U	19	1.0	5	19	1
75-25-2	Bromoform	U	19	1.0	5	19	2
98-82-8	Isopropylbenzene	U	19	1.0	5	19	3
108-86-1	Bromobenzene	U	19	1.0	5	19	4
103-65-1	N-Propylbenzene	U	19	1.0	5	19	3
79-34-5	1,1,2,2-Tetrachloroethane	U	19	1.0	5	19	4
95-49-8	2-Chlorotoluene	U	19	1.0	5	19	2
96-18-4	1,2,3-Trichloropropane	U	19	1.0	5	19	3
106-43-4	4-Chlorotoluene	U	19	1.0	5	19	2
98-06-6	tert-Butylbenzene	U	19	1.0	5	19	2
95-63-6	1,2,4-Trimethylbenzene	U	19	1.0	5	19	2
99-87-6	P-Isopropyltoluene	U	19	1.0	5	19	2
541-73-1	1,3-Dichlorobenzene	U	19	1.0	5	19	1
106-46-7	1,4-Dichlorobenzene	U	19	1.0	5	19	1.0
104-51-8	N-Butylbenzene	U	19	1.0	5	19	2
135-98-8	sec-Butylbenzene	U	19	1.0	5	19	4
95-50-1	1,2-Dichlorobenzene	U	19	1.0	5	19	1
96-12-8	1,2-Dibromo-3-Chloropropane	U	19	1.0	5	19	3
87-68-3	Hexachlorobutadiene	U	19	1.0	5	19	3
120-82-1	1,2,4-Trichlorobenzene	U	19	1.0	5	19	3
526-73-8	1,2,3-Trimethylbenzene	U	19	1.0	5	19	1
91-20-3	Naphthalene	U	19	1.0	5	19	6
87-61-6	1,2,3-Trichlorobenzene	U	19	1.0	5	19	5
1868-53-7	Dibromofluoromethane		85%				
17060-07-0	1,2-Dichloroethane-D4		93%				
2037-26-5	Toluene-D8		101%				
460-00-4	P-Bromofluorobenzene		77%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-13-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Matrix: (soil/water) SOIL Lab Sample ID: WV5583-1RA

Sample wt/vol: 5.200(g/mL) G Lab File ID: Z8016

Level: (low/med) LOW Date Received: 10/21/05

% Moisture: not dec. 74 Date Analyzed: 10/26/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	541-05-9	CYCLOTRISILOXANE, HEXAMETHY	11.20	20	NJ
2.					
3.					
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FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date:
Analysis Date: 27-OCT-2005 19:35
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 46.3

Lab ID: WV5583-5RA2
Client ID: SD-14-01
SDG: MID-5
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22134
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	110	1.0	10	110	20
74-87-3	Chloromethane	U	110	1.0	10	110	10
75-01-4	Vinyl chloride	U	110	1.0	10	110	19
74-83-9	Bromomethane	U	110	1.0	10	110	22
75-00-3	Chloroethane	U	110	1.0	10	110	16
75-69-4	Trichlorofluoromethane	U	110	1.0	10	110	20
75-65-0	Tertiary-butyl alcohol	U	110	1.0	10	110	75
75-35-4	1,1-Dichloroethene	U	54	1.0	5	54	11
75-15-0	Carbon Disulfide	J	19	1.0	5	54	16
76-13-1	Freon-113	U	54	1.0	5	54	18
75-09-2	Methylene Chloride	JB	40	1.0	5	54	22
67-64-1	Acetone	JB	150	1.0	25	270	45
156-60-5	trans-1,2-Dichloroethene	U	54	1.0	5	54	10
1634-04-4	Methyl tert-butyl ether	U	110	1.0	10	110	7
108-20-3	Di-isopropyl ether	U	54	1.0	5	54	4
75-34-3	1,1-Dichloroethane	U	54	1.0	5	54	11
637-92-3	Ethyl tertiary-butyl ether	U	54	1.0	5	54	3
108-05-4	Vinyl Acetate	U	54	1.0	5	54	2
156-59-2	cis-1,2-Dichloroethene	U	54	1.0	5	54	7
540-59-0	1,2-Dichloroethylene (total)	U	110	1.0	10	110	17
594-20-7	2,2-Dichloropropane	U	54	1.0	5	54	16
74-97-5	Bromochloromethane	U	54	1.0	5	54	13
67-66-3	Chloroform	U	54	1.0	5	54	9
56-23-5	Carbon Tetrachloride	U	54	1.0	5	54	33
71-55-6	1,1,1-Trichloroethane	U	54	1.0	5	54	14
563-58-6	1,1-Dichloropropene	U	54	1.0	5	54	14
78-93-3	2-Butanone	U	270	1.0	25	270	34
71-43-2	Benzene	U	54	1.0	5	54	9
994-05-8	Tertiary-amyl methyl ether	U	54	1.0	5	54	4
107-06-2	1,2-Dichloroethane	U	54	1.0	5	54	6
79-01-6	Trichloroethene	U	54	1.0	5	54	8
74-95-3	Dibromomethane	U	54	1.0	5	54	5
78-87-5	1,2-Dichloropropane	U	54	1.0	5	54	8
75-27-4	Bromodichloromethane	U	54	1.0	5	54	6
10061-01-5	cis-1,3-dichloropropene	U	54	1.0	5	54	4
110-75-8	2-Chloroethylvinylether	U	54	1.0	5	54	10
108-88-3	Toluene	U	54	1.0	5	54	9
108-10-1	4-methyl-2-pentanone	U	270	1.0	25	270	46
127-18-4	Tetrachloroethene	U	54	1.0	5	54	13
10061-02-6	trans-1,3-Dichloropropene	U	54	1.0	5	54	6
124-48-1	Dibromochloromethane	U	54	1.0	5	54	6
142-28-9	1,3-Dichloropropane	U	54	1.0	5	54	4
106-93-4	1,2-Dibromoethane	U	54	1.0	5	54	5

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date:
Analysis Date: 27-OCT-2005 19:35
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 46.3

Lab ID: WV5583-5RA2
Client ID: SD-14-01
SDG: MID-5
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22134
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	270	1.0	25	270	44
108-90-7	Chlorobenzene	U	54	1.0	5	54	7
100-41-4	Ethylbenzene	U	54	1.0	5	54	8
630-20-6	1,1,1,2-Tetrachloroethane	U	54	1.0	5	54	6
1330-20-7	Xylenes (total)	U	160	1.0	15	160	20
	m+p-Xylenes	U	110	1.0	10	110	14
95-47-6	o-Xylene	U	54	1.0	5	54	7
100-42-5	Styrene	U	54	1.0	5	54	3
75-25-2	Bromoform	U	54	1.0	5	54	6
98-82-8	Isopropylbenzene	U	54	1.0	5	54	8
108-86-1	Bromobenzene	U	54	1.0	5	54	11
103-65-1	N-Propylbenzene	U	54	1.0	5	54	8
79-34-5	1,1,2,2-Tetrachloroethane	U	54	1.0	5	54	12
95-49-8	2-Chlorotoluene	U	54	1.0	5	54	7
96-18-4	1,2,3-Trichloropropane	U	54	1.0	5	54	8
106-43-4	4-Chlorotoluene	U	54	1.0	5	54	5
98-06-6	tert-Butylbenzene	U	54	1.0	5	54	7
95-63-6	1,2,4-Trimethylbenzene	U	54	1.0	5	54	6
99-87-6	P-Isopropyltoluene	U	54	1.0	5	54	7
541-73-1	1,3-Dichlorobenzene	U	54	1.0	5	54	4
106-46-7	1,4-Dichlorobenzene	U	54	1.0	5	54	3
104-51-8	N-Butylbenzene	U	54	1.0	5	54	7
135-98-8	sec-Butylbenzene	U	54	1.0	5	54	11
95-50-1	1,2-Dichlorobenzene	U	54	1.0	5	54	3
96-12-8	1,2-Dibromo-3-Chloropropane	U	54	1.0	5	54	9
87-68-3	Hexachlorobutadiene	U	54	1.0	5	54	8
120-82-1	1,2,4-Trichlorobenzene	U	54	1.0	5	54	10
526-73-8	1,2,3-Trimethylbenzene	U	54	1.0	5	54	4
91-20-3	Naphthalene	U	54	1.0	5	54	17
87-61-6	1,2,3-Trichlorobenzene	U	54	1.0	5	54	15
1868-53-7	Dibromofluoromethane		67%				
17060-07-0	1,2-Dichloroethane-D4		80%				
2037-26-5	Toluene-D8		65%				
460-00-4	P-Bromofluorobenzene		72%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-14-01

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Matrix: (soil/water) SOIL Lab Sample ID: WV5583-5RA2

Sample wt/vol: 1.000(g/mL) G Lab File ID: Z8051

Level: (low/med) LOW Date Received: 10/21/05

% Moisture: not dec. 54 Date Analyzed: 10/27/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		C15H13N ISOMER	11.17	80	J
2.					
3.					
4.					
5.					
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FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date:
Analysis Date: 25-OCT-2005 20:59
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 48.4

Lab ID: WV5583-6
Client ID: SD-14-02
SDG: MID-5
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22012
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	21	1.0	10	21	4
74-87-3	Chloromethane	U	21	1.0	10	21	2
75-01-4	Vinyl chloride	U	21	1.0	10	21	4
74-83-9	Bromomethane	U	21	1.0	10	21	4
75-00-3	Chloroethane	U	21	1.0	10	21	3
75-69-4	Trichlorofluoromethane	U	21	1.0	10	21	4
75-65-0	Tertiary-butyl alcohol	U	21	1.0	10	21	14
75-35-4	1,1-Dichloroethene	U	10	1.0	5	10	2
75-15-0	Carbon Disulfide	U	10	1.0	5	10	3
76-13-1	Freon-113	U	10	1.0	5	10	3
637-92-3	Ethyl tertiary-butyl ether	U	10	1.0	5	10	0.6
75-09-2	Methylene Chloride	JB	7	1.0	5	10	4
67-64-1	Acetone	J	34	1.0	25	52	9
156-60-5	trans-1,2-Dichloroethene	U	10	1.0	5	10	2
1634-04-4	Methyl tert-butyl ether	U	21	1.0	10	21	1
108-20-3	Di-isopropyl ether	U	10	1.0	5	10	0.7
75-34-3	1,1-Dichloroethane	U	10	1.0	5	10	2
108-05-4	Vinyl Acetate	U	10	1.0	5	10	0.5
156-59-2	cis-1,2-Dichloroethene	U	10	1.0	5	10	1
540-59-0	1,2-Dichloroethylene (total)	U	21	1.0	10	21	3
594-20-7	2,2-Dichloropropane	U	10	1.0	5	10	3
74-97-5	Bromochloromethane	U	10	1.0	5	10	2
67-66-3	Chloroform	U	10	1.0	5	10	2
56-23-5	Carbon Tetrachloride	U	10	1.0	5	10	6
71-55-6	1,1,1-Trichloroethane	U	10	1.0	5	10	3
563-58-6	1,1-Dichloropropene	U	10	1.0	5	10	3
78-93-3	2-Butanone	U	52	1.0	25	52	6
71-43-2	Benzene	U	10	1.0	5	10	2
994-05-8	Tertiary-amyl methyl ether	U	10	1.0	5	10	0.8
107-06-2	1,2-Dichloroethane	U	10	1.0	5	10	1
79-01-6	Trichloroethene	U	10	1.0	5	10	2
74-95-3	Dibromomethane	U	10	1.0	5	10	1.0
78-87-5	1,2-Dichloropropane	U	10	1.0	5	10	2
75-27-4	Bromodichloromethane	U	10	1.0	5	10	1
10061-01-5	cis-1,3-dichloropropene	U	10	1.0	5	10	0.7
110-75-8	2-Chloroethylvinylether	U	10	1.0	5	10	2
108-88-3	Toluene	U	10	1.0	5	10	2
108-10-1	4-methyl-2-pentanone	U	52	1.0	25	52	9
127-18-4	Tetrachloroethene	U	10	1.0	5	10	2
10061-02-6	trans-1,3-Dichloropropene	U	10	1.0	5	10	1
124-48-1	Dibromochloromethane	U	10	1.0	5	10	1
142-28-9	1,3-Dichloropropane	U	10	1.0	5	10	0.7
106-93-4	1,2-Dibromoethane	U	10	1.0	5	10	1.0

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date:
Analysis Date: 25-OCT-2005 20:59
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 48.4

Lab ID: WV5583-6
Client ID: SD-14-02
SDG: MID-5
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22012
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	52	1.0	25	52	8
108-90-7	Chlorobenzene	U	10	1.0	5	10	1
100-41-4	Ethylbenzene	U	10	1.0	5	10	2
630-20-6	1,1,1,2-Tetrachloroethane	U	10	1.0	5	10	1
1330-20-7	Xylenes (total)	U	31	1.0	15	31	4
	m+p-Xylenes	U	21	1.0	10	21	3
95-47-6	o-Xylene	U	10	1.0	5	10	1
100-42-5	Styrene	JB	1	1.0	5	10	0.7
75-25-2	Bromoform	U	10	1.0	5	10	1
98-82-8	Isopropylbenzene	U	10	1.0	5	10	2
108-86-1	Bromobenzene	U	10	1.0	5	10	2
103-65-1	N-Propylbenzene	U	10	1.0	5	10	1
79-34-5	1,1,2,2-Tetrachloroethane	U	10	1.0	5	10	2
95-49-8	2-Chlorotoluene	U	10	1.0	5	10	1
96-18-4	1,2,3-Trichloropropane	U	10	1.0	5	10	2
106-43-4	4-Chlorotoluene	U	10	1.0	5	10	1
98-06-6	tert-Butylbenzene	U	10	1.0	5	10	1
95-63-6	1,2,4-Trimethylbenzene	U	10	1.0	5	10	1
99-87-6	P-Isopropyltoluene	U	10	1.0	5	10	1
541-73-1	1,3-Dichlorobenzene	U	10	1.0	5	10	0.7
106-46-7	1,4-Dichlorobenzene	U	10	1.0	5	10	0.5
104-51-8	N-Butylbenzene	U	10	1.0	5	10	1
135-98-8	sec-Butylbenzene	U	10	1.0	5	10	2
95-50-1	1,2-Dichlorobenzene	U	10	1.0	5	10	0.6
96-12-8	1,2-Dibromo-3-Chloropropane	U	10	1.0	5	10	2
87-68-3	Hexachlorobutadiene	U	10	1.0	5	10	2
120-82-1	1,2,4-Trichlorobenzene	U	10	1.0	5	10	2
526-73-8	1,2,3-Trimethylbenzene	U	10	1.0	5	10	0.7
91-20-3	Naphthalene	U	10	1.0	5	10	3
87-61-6	1,2,3-Trichlorobenzene	U	10	1.0	5	10	3
1868-53-7	Dibromofluoromethane		* 53%				
17060-07-0	1,2-Dichloroethane-D4		* 44%				
2037-26-5	Toluene-D8		* 58%				
460-00-4	P-Bromofluorobenzene		* 31%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-14-02

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Matrix: (soil/water) SOIL Lab Sample ID: WV5583-6

Sample wt/vol: 5.000(g/mL) G Lab File ID: Z8000

Level: (low/med) LOW Date Received: 10/21/05

% Moisture: not dec. 52 Date Analyzed: 10/25/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	541-05-9	CYCLOTRISILOXANE, HEXAMETHY	11.19	10	NJ
2.					
3.					
4.					
5.					
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8.					
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FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date:
Analysis Date: 26-OCT-2005 12:15
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 48.4

Lab ID: WV5583-6RA
Client ID: SD-14-02
SDG: MID-5
Extracted by:
Extraction Method: SW846 5035
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22041
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	21	1.0	10	21	4
74-87-3	Chloromethane	U	21	1.0	10	21	2
75-01-4	Vinyl chloride	U	21	1.0	10	21	4
74-83-9	Bromomethane	U	21	1.0	10	21	4
75-00-3	Chloroethane	U	21	1.0	10	21	3
75-69-4	Trichlorofluoromethane	U	21	1.0	10	21	4
75-65-0	Tertiary-butyl alcohol	U	21	1.0	10	21	15
75-35-4	1,1-Dichloroethene	U	10	1.0	5	10	2
75-15-0	Carbon Disulfide	U	10	1.0	5	10	3
76-13-1	Freon-113	U	10	1.0	5	10	3
637-92-3	Ethyl tertiary-butyl ether	U	10	1.0	5	10	0.6
75-09-2	Methylene Chloride	U	10	1.0	5	10	4
67-64-1	Acetone	J	32	1.0	25	53	9
156-60-5	trans-1,2-Dichloroethene	U	10	1.0	5	10	2
1634-04-4	Methyl tert-butyl ether	U	21	1.0	10	21	1
108-20-3	Di-isopropyl ether	U	10	1.0	5	10	0.8
75-34-3	1,1-Dichloroethane	U	10	1.0	5	10	2
108-05-4	Vinyl Acetate	U	10	1.0	5	10	0.5
156-59-2	cis-1,2-Dichloroethene	U	10	1.0	5	10	1
540-59-0	1,2-Dichloroethylene (total)	U	21	1.0	10	21	3
594-20-7	2,2-Dichloropropane	U	10	1.0	5	10	3
74-97-5	Bromochloromethane	U	10	1.0	5	10	2
67-66-3	Chloroform	U	10	1.0	5	10	2
56-23-5	Carbon Tetrachloride	U	10	1.0	5	10	6
71-55-6	1,1,1-Trichloroethane	U	10	1.0	5	10	3
563-58-6	1,1-Dichloropropene	U	10	1.0	5	10	3
78-93-3	2-Butanone	U	53	1.0	25	53	7
71-43-2	Benzene	U	10	1.0	5	10	2
994-05-8	Tertiary-amyl methyl ether	U	10	1.0	5	10	0.8
107-06-2	1,2-Dichloroethane	U	10	1.0	5	10	1
79-01-6	Trichloroethene	U	10	1.0	5	10	2
74-95-3	Dibromomethane	U	10	1.0	5	10	1.0
78-87-5	1,2-Dichloropropane	U	10	1.0	5	10	2
75-27-4	Bromodichloromethane	U	10	1.0	5	10	1
10061-01-5	cis-1,3-dichloropropene	U	10	1.0	5	10	0.7
110-75-8	2-Chloroethylvinylether	U	10	1.0	5	10	2
108-88-3	Toluene	U	10	1.0	5	10	2
108-10-1	4-methyl-2-pentanone	U	53	1.0	25	53	9
127-18-4	Tetrachloroethene	U	10	1.0	5	10	2
10061-02-6	trans-1,3-Dichloropropene	U	10	1.0	5	10	1
124-48-1	Dibromochloromethane	U	10	1.0	5	10	1
142-28-9	1,3-Dichloropropane	U	10	1.0	5	10	0.7
106-93-4	1,2-Dibromoethane	U	10	1.0	5	10	1.0

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date:
Analysis Date: 26-OCT-2005 12:15
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 48.4

Lab ID: WV5583-6RA
Client ID: SD-14-02
SDG: MID-5
Extracted by:
Extraction Method: SW846 5035
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22041
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	53	1.0	25	53	8
108-90-7	Chlorobenzene	U	10	1.0	5	10	1
100-41-4	Ethylbenzene	U	10	1.0	5	10	2
630-20-6	1,1,1,2-Tetrachloroethane	U	10	1.0	5	10	1
1330-20-7	Xylenes (total)	U	32	1.0	15	32	4
	m+p-Xylenes	U	21	1.0	10	21	3
95-47-6	o-Xylene	U	10	1.0	5	10	1
100-42-5	Styrene	J	1	1.0	5	10	0.7
75-25-2	Bromoform	U	10	1.0	5	10	1
98-82-8	Isopropylbenzene	U	10	1.0	5	10	2
108-86-1	Bromobenzene	U	10	1.0	5	10	2
103-65-1	N-Propylbenzene	U	10	1.0	5	10	2
79-34-5	1,1,2,2-Tetrachloroethane	U	10	1.0	5	10	2
95-49-8	2-Chlorotoluene	U	10	1.0	5	10	1
96-18-4	1,2,3-Trichloropropane	U	10	1.0	5	10	2
106-43-4	4-Chlorotoluene	U	10	1.0	5	10	1
98-06-6	tert-Butylbenzene	U	10	1.0	5	10	1
95-63-6	1,2,4-Trimethylbenzene	U	10	1.0	5	10	1
99-87-6	P-Isopropyltoluene	U	10	1.0	5	10	1
541-73-1	1,3-Dichlorobenzene	U	10	1.0	5	10	0.7
106-46-7	1,4-Dichlorobenzene	U	10	1.0	5	10	0.5
104-51-8	N-Butylbenzene	U	10	1.0	5	10	1
135-98-8	sec-Butylbenzene	U	10	1.0	5	10	2
95-50-1	1,2-Dichlorobenzene	U	10	1.0	5	10	0.6
96-12-8	1,2-Dibromo-3-Chloropropane	U	10	1.0	5	10	2
87-68-3	Hexachlorobutadiene	U	10	1.0	5	10	2
120-82-1	1,2,4-Trichlorobenzene	U	10	1.0	5	10	2
526-73-8	1,2,3-Trimethylbenzene	U	10	1.0	5	10	0.7
91-20-3	Naphthalene	U	10	1.0	5	10	3
87-61-6	1,2,3-Trichlorobenzene	U	10	1.0	5	10	3
1868-53-7	Dibromofluoromethane		* 30%				
17060-07-0	1,2-Dichloroethane-D4		* 35%				
2037-26-5	Toluene-D8		* 29%				
460-00-4	P-Bromofluorobenzene		* 23%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-14-02

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Matrix: (soil/water) SOIL Lab Sample ID: WV5583-6RA

Sample wt/vol: 4.900(g/mL) G Lab File ID: Z8020

Level: (low/med) LOW Date Received: 10/21/05

% Moisture: not dec. 52 Date Analyzed: 10/26/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		C9H27ASO3SI3 ISOMER	11.19	10	J
2.					
3.					
4.					
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FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date:
Analysis Date: 25-OCT-2005 17:31
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 77.2

Lab ID: WV5583-4
Client ID: SD-14-SS
SDG: MID-5
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22012
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	13	1.0	10	13	2
74-87-3	Chloromethane	U	13	1.0	10	13	1
75-01-4	Vinyl chloride	U	13	1.0	10	13	2
74-83-9	Bromomethane	U	13	1.0	10	13	2
75-00-3	Chloroethane	U	13	1.0	10	13	2
75-69-4	Trichlorofluoromethane	U	13	1.0	10	13	2
75-65-0	Tertiary-butyl alcohol	U	13	1.0	10	13	9
75-35-4	1,1-Dichloroethene	U	6	1.0	5	6	1
75-15-0	Carbon Disulfide	U	6	1.0	5	6	2
76-13-1	Freon-113	U	6	1.0	5	6	2
637-92-3	Ethyl tertiary-butyl ether	U	6	1.0	5	6	0.3
75-09-2	Methylene Chloride	B	7	1.0	5	6	2
67-64-1	Acetone	U	32	1.0	25	32	5
156-60-5	trans-1,2-Dichloroethene	U	6	1.0	5	6	1
1634-04-4	Methyl tert-butyl ether	U	13	1.0	10	13	0.8
108-20-3	Di-isopropyl ether	U	6	1.0	5	6	0.5
75-34-3	1,1-Dichloroethane	U	6	1.0	5	6	1
108-05-4	Vinyl Acetate	U	6	1.0	5	6	0.3
156-59-2	cis-1,2-Dichloroethene	U	6	1.0	5	6	0.9
540-59-0	1,2-Dichloroethylene (total)	U	13	1.0	10	13	2
594-20-7	2,2-Dichloropropane	U	6	1.0	5	6	2
74-97-5	Bromochloromethane	U	6	1.0	5	6	2
67-66-3	Chloroform	U	6	1.0	5	6	1
56-23-5	Carbon Tetrachloride	U	6	1.0	5	6	4
71-55-6	1,1,1-Trichloroethane	U	6	1.0	5	6	2
563-58-6	1,1-Dichloropropene	U	6	1.0	5	6	2
78-93-3	2-Butanone	U	32	1.0	25	32	4
71-43-2	Benzene	U	6	1.0	5	6	1
994-05-8	Tertiary-amyl methyl ether	U	6	1.0	5	6	0.5
107-06-2	1,2-Dichloroethane	U	6	1.0	5	6	0.8
79-01-6	Trichloroethene	U	6	1.0	5	6	1.0
74-95-3	Dibromomethane	U	6	1.0	5	6	0.6
78-87-5	1,2-Dichloropropane	U	6	1.0	5	6	0.9
75-27-4	Bromodichloromethane	U	6	1.0	5	6	0.7
10061-01-5	cis-1,3-dichloropropene	U	6	1.0	5	6	0.4
110-75-8	2-Chloroethylvinylether	U	6	1.0	5	6	1
108-88-3	Toluene	U	6	1.0	5	6	1
108-10-1	4-methyl-2-pentanone	U	32	1.0	25	32	5
127-18-4	Tetrachloroethene	U	6	1.0	5	6	2
10061-02-6	trans-1,3-Dichloropropene	U	6	1.0	5	6	0.7
124-48-1	Dibromochloromethane	U	6	1.0	5	6	0.7
142-28-9	1,3-Dichloropropane	U	6	1.0	5	6	0.4
106-93-4	1,2-Dibromoethane	U	6	1.0	5	6	0.6

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date:
Analysis Date: 25-OCT-2005 17:31
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 77.2

Lab ID: WV5583-4
Client ID: SD-14-SS
SDG: MID-5
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22012
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	32	1.0	25	32	5
108-90-7	Chlorobenzene	U	6	1.0	5	6	0.8
100-41-4	Ethylbenzene	U	6	1.0	5	6	1.0
630-20-6	1,1,1,2-Tetrachloroethane	U	6	1.0	5	6	0.7
1330-20-7	Xylenes (total)	U	19	1.0	15	19	2
	m+p-Xylenes	U	13	1.0	10	13	2
95-47-6	o-Xylene	U	6	1.0	5	6	0.8
100-42-5	Styrene	JB	0.4	1.0	5	6	0.4
75-25-2	Bromoform	U	6	1.0	5	6	0.8
98-82-8	Isopropylbenzene	U	6	1.0	5	6	1.0
108-86-1	Bromobenzene	U	6	1.0	5	6	1
103-65-1	N-Propylbenzene	U	6	1.0	5	6	0.9
79-34-5	1,1,2,2-Tetrachloroethane	U	6	1.0	5	6	1
95-49-8	2-Chlorotoluene	U	6	1.0	5	6	0.9
96-18-4	1,2,3-Trichloropropane	U	6	1.0	5	6	1.0
106-43-4	4-Chlorotoluene	U	6	1.0	5	6	0.6
98-06-6	tert-Butylbenzene	U	6	1.0	5	6	0.9
95-63-6	1,2,4-Trimethylbenzene	U	6	1.0	5	6	0.7
99-87-6	P-Isopropyltoluene	U	6	1.0	5	6	0.9
541-73-1	1,3-Dichlorobenzene	U	6	1.0	5	6	0.4
106-46-7	1,4-Dichlorobenzene	U	6	1.0	5	6	0.3
104-51-8	N-Butylbenzene	U	6	1.0	5	6	0.8
135-98-8	sec-Butylbenzene	U	6	1.0	5	6	1
95-50-1	1,2-Dichlorobenzene	U	6	1.0	5	6	0.4
96-12-8	1,2-Dibromo-3-Chloropropane	U	6	1.0	5	6	1
87-68-3	Hexachlorobutadiene	U	6	1.0	5	6	1
120-82-1	1,2,4-Trichlorobenzene	U	6	1.0	5	6	1
526-73-8	1,2,3-Trimethylbenzene	U	6	1.0	5	6	0.4
91-20-3	Naphthalene	U	6	1.0	5	6	2
87-61-6	1,2,3-Trichlorobenzene	U	6	1.0	5	6	2
1868-53-7	Dibromofluoromethane		88%				
17060-07-0	1,2-Dichloroethane-D4		86%				
2037-26-5	Toluene-D8		97%				
460-00-4	P-Bromofluorobenzene		83%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-14-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Matrix: (soil/water) SOIL Lab Sample ID: WV5583-4

Sample wt/vol: 5.000(g/mL) G Lab File ID: Z7998

Level: (low/med) LOW Date Received: 10/21/05

% Moisture: not dec. 23 Date Analyzed: 10/25/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 5

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN CYCLOALKANE	11.18	8	J
2.		BRANCHED ALKANE	14.03	6	J
3.		BRANCHED ALKANE	14.16	10	J
4.		C14H30O ISOMER	14.31	7	J
5.		C11H20 ISOMER	14.83	10	J
6.					
7.					
8.					
9.					
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FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 26-OCT-2005 14:14
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 24.9

Lab ID: WV5604-1RA
Client ID: SD-15-SS
SDG: MID-5
Extracted by:
Extraction Method: SW846 5035
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22041
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	38	1.0	10	38	7
74-87-3	Chloromethane	U	38	1.0	10	38	4
75-01-4	Vinyl chloride	U	38	1.0	10	38	7
74-83-9	Bromomethane	U	38	1.0	10	38	8
75-00-3	Chloroethane	U	38	1.0	10	38	6
75-69-4	Trichlorofluoromethane	U	38	1.0	10	38	7
75-65-0	Tertiary-butyl alcohol	U	38	1.0	10	38	26
75-35-4	1,1-Dichloroethene	U	19	1.0	5	19	4
75-15-0	Carbon Disulfide	U	19	1.0	5	19	6
76-13-1	Freon-113	U	19	1.0	5	19	6
637-92-3	Ethyl tertiary-butyl ether	U	19	1.0	5	19	1
75-09-2	Methylene Chloride	JB	15	1.0	5	19	8
67-64-1	Acetone	J	61	1.0	25	95	16
156-60-5	trans-1,2-Dichloroethene	U	19	1.0	5	19	3
1634-04-4	Methyl tert-butyl ether	J	6	1.0	10	38	2
108-20-3	Di-isopropyl ether	U	19	1.0	5	19	1
75-34-3	1,1-Dichloroethane	U	19	1.0	5	19	4
108-05-4	Vinyl Acetate	U	19	1.0	5	19	0.9
156-59-2	cis-1,2-Dichloroethene	U	19	1.0	5	19	2
540-59-0	1,2-Dichloroethylene (total)	U	38	1.0	10	38	6
594-20-7	2,2-Dichloropropane	U	19	1.0	5	19	6
74-97-5	Bromochloromethane	U	19	1.0	5	19	5
67-66-3	Chloroform	U	19	1.0	5	19	3
56-23-5	Carbon Tetrachloride	U	19	1.0	5	19	11
71-55-6	1,1,1-Trichloroethane	U	19	1.0	5	19	5
563-58-6	1,1-Dichloropropene	U	19	1.0	5	19	5
78-93-3	2-Butanone	U	95	1.0	25	95	12
71-43-2	Benzene	U	19	1.0	5	19	3
994-05-8	Tertiary-amyl methyl ether	U	19	1.0	5	19	1
107-06-2	1,2-Dichloroethane	U	19	1.0	5	19	2
79-01-6	Trichloroethene	U	19	1.0	5	19	3
74-95-3	Dibromomethane	U	19	1.0	5	19	2
78-87-5	1,2-Dichloropropane	U	19	1.0	5	19	3
75-27-4	Bromodichloromethane	U	19	1.0	5	19	2
10061-01-5	cis-1,3-dichloropropene	U	19	1.0	5	19	1
110-75-8	2-Chloroethylvinylether	U	19	1.0	5	19	4
108-88-3	Toluene	J	4	1.0	5	19	3
108-10-1	4-methyl-2-pentanone	U	95	1.0	25	95	16
127-18-4	Tetrachloroethene	U	19	1.0	5	19	5
10061-02-6	trans-1,3-Dichloropropene	U	19	1.0	5	19	2
124-48-1	Dibromochloromethane	U	19	1.0	5	19	2
142-28-9	1,3-Dichloropropane	U	19	1.0	5	19	1
106-93-4	1,2-Dibromoethane	U	19	1.0	5	19	2

Sample Data Summary A0000051

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 26-OCT-2005 14:14
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 24.9

Lab ID: WV5604-1RA
Client ID: SD-15-SS
SDG: MID-5
Extracted by:
Extraction Method: SW846 5035
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22041
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	95	1.0	25	95	15
108-90-7	Chlorobenzene	U	19	1.0	5	19	2
100-41-4	Ethylbenzene	U	19	1.0	5	19	3
630-20-6	1,1,1,2-Tetrachloroethane	U	19	1.0	5	19	2
1330-20-7	Xylenes (total)	U	57	1.0	15	57	7
	m+p-Xylenes	U	38	1.0	10	38	5
95-47-6	o-Xylene	U	19	1.0	5	19	2
100-42-5	Styrene	U	19	1.0	5	19	1
75-25-2	Bromoform	U	19	1.0	5	19	2
98-82-8	Isopropylbenzene	U	19	1.0	5	19	3
108-86-1	Bromobenzene	U	19	1.0	5	19	4
103-65-1	N-Propylbenzene	U	19	1.0	5	19	3
79-34-5	1,1,2,2-Tetrachloroethane	U	19	1.0	5	19	4
95-49-8	2-Chlorotoluene	U	19	1.0	5	19	2
96-18-4	1,2,3-Trichloropropane	U	19	1.0	5	19	3
106-43-4	4-Chlorotoluene	U	19	1.0	5	19	2
98-06-6	tert-Butylbenzene	U	19	1.0	5	19	2
95-63-6	1,2,4-Trimethylbenzene	U	19	1.0	5	19	2
99-87-6	P-Isopropyltoluene	U	19	1.0	5	19	2
541-73-1	1,3-Dichlorobenzene	U	19	1.0	5	19	1
106-46-7	1,4-Dichlorobenzene	U	19	1.0	5	19	1.0
104-51-8	N-Butylbenzene	U	19	1.0	5	19	2
135-98-8	sec-Butylbenzene	U	19	1.0	5	19	4
95-50-1	1,2-Dichlorobenzene	U	19	1.0	5	19	1
96-12-8	1,2-Dibromo-3-Chloropropane	U	19	1.0	5	19	3
87-68-3	Hexachlorobutadiene	U	19	1.0	5	19	3
120-82-1	1,2,4-Trichlorobenzene	U	19	1.0	5	19	3
526-73-8	1,2,3-Trimethylbenzene	U	19	1.0	5	19	1
91-20-3	Naphthalene	U	19	1.0	5	19	6
87-61-6	1,2,3-Trichlorobenzene	U	19	1.0	5	19	5
1868-53-7	Dibromofluoromethane		57%				
17060-07-0	1,2-Dichloroethane-D4		78%				
2037-26-5	Toluene-D8		100%				
460-00-4	P-Bromofluorobenzene		69%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-15-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Matrix: (soil/water) SOIL Lab Sample ID: WV5604-1RA

Sample wt/vol: 5.300(g/mL) G Lab File ID: Z8023

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: not dec. 75 Date Analyzed: 10/26/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN CYCLOALKANE	11.18	20	J
2.					
3.					
4.					
5.					
6.					
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FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date:
Analysis Date: 26-OCT-2005 13:35
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 31.7

Lab ID: WV5583-8RA
Client ID: SD-16-01
SDG: MID-5
Extracted by:
Extraction Method: SW846 5035
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22041
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	32	1.0	10	32	6
74-87-3	Chloromethane	U	32	1.0	10	32	3
75-01-4	Vinyl chloride	U	32	1.0	10	32	6
74-83-9	Bromomethane	U	32	1.0	10	32	6
75-00-3	Chloroethane	U	32	1.0	10	32	5
75-69-4	Trichlorofluoromethane	U	32	1.0	10	32	6
75-65-0	Tertiary-butyl alcohol	U	32	1.0	10	32	22
75-35-4	1,1-Dichloroethene	U	16	1.0	5	16	3
75-15-0	Carbon Disulfide	J	7	1.0	5	16	5
76-13-1	Freon-113	U	16	1.0	5	16	5
637-92-3	Ethyl tertiary-butyl ether	U	16	1.0	5	16	0.9
75-09-2	Methylene Chloride	JB	9	1.0	5	16	6
67-64-1	Acetone		100	1.0	25	80	13
156-60-5	trans-1,2-Dichloroethene	U	16	1.0	5	16	3
1634-04-4	Methyl tert-butyl ether	J	4	1.0	10	32	2
108-20-3	Di-isopropyl ether	U	16	1.0	5	16	1
75-34-3	1,1-Dichloroethane	U	16	1.0	5	16	3
108-05-4	Vinyl Acetate	U	16	1.0	5	16	0.8
156-59-2	cis-1,2-Dichloroethene	U	16	1.0	5	16	2
540-59-0	1,2-Dichloroethylene (total)	U	32	1.0	10	32	5
594-20-7	2,2-Dichloropropane	U	16	1.0	5	16	5
74-97-5	Bromochloromethane	U	16	1.0	5	16	4
67-66-3	Chloroform	U	16	1.0	5	16	3
56-23-5	Carbon Tetrachloride	U	16	1.0	5	16	10
71-55-6	1,1,1-Trichloroethane	U	16	1.0	5	16	4
563-58-6	1,1-Dichloropropene	U	16	1.0	5	16	4
78-93-3	2-Butanone	J	18	1.0	25	80	10
71-43-2	Benzene	U	16	1.0	5	16	3
994-05-8	Tertiary-amyl methyl ether	U	16	1.0	5	16	1
107-06-2	1,2-Dichloroethane	U	16	1.0	5	16	2
79-01-6	Trichloroethene	U	16	1.0	5	16	2
74-95-3	Dibromomethane	U	16	1.0	5	16	1
78-87-5	1,2-Dichloropropane	U	16	1.0	5	16	2
75-27-4	Bromodichloromethane	U	16	1.0	5	16	2
10061-01-5	cis-1,3-dichloropropene	U	16	1.0	5	16	1
110-75-8	2-Chloroethylvinylether	U	16	1.0	5	16	3
108-88-3	Toluene	U	16	1.0	5	16	3
108-10-1	4-methyl-2-pentanone	U	80	1.0	25	80	14
127-18-4	Tetrachloroethene	U	16	1.0	5	16	4
10061-02-6	trans-1,3-Dichloropropene	U	16	1.0	5	16	2
124-48-1	Dibromochloromethane	U	16	1.0	5	16	2
142-28-9	1,3-Dichloropropane	U	16	1.0	5	16	1
106-93-4	1,2-Dibromoethane	U	16	1.0	5	16	1

Sample Data Summary A0000042

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date:
Analysis Date: 26-OCT-2005 13:35
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 31.7

Lab ID: WV5583-8RA
Client ID: SD-16-01
SDG: MID-5
Extracted by:
Extraction Method: SW846 5035
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22041
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	80	1.0	25	80	13
108-90-7	Chlorobenzene	U	16	1.0	5	16	2
100-41-4	Ethylbenzene	U	16	1.0	5	16	2
630-20-6	1,1,1,2-Tetrachloroethane	U	16	1.0	5	16	2
1330-20-7	Xylenes (total)	U	48	1.0	15	48	6
	m+p-Xylenes	U	32	1.0	10	32	4
95-47-6	o-Xylene	U	16	1.0	5	16	2
100-42-5	Styrene	U	16	1.0	5	16	1
75-25-2	Bromoform	U	16	1.0	5	16	2
98-82-8	Isopropylbenzene	U	16	1.0	5	16	2
108-86-1	Bromobenzene	U	16	1.0	5	16	3
103-65-1	N-Propylbenzene	U	16	1.0	5	16	2
79-34-5	1,1,2,2-Tetrachloroethane	U	16	1.0	5	16	4
95-49-8	2-Chlorotoluene	U	16	1.0	5	16	2
96-18-4	1,2,3-Trichloropropane	U	16	1.0	5	16	2
106-43-4	4-Chlorotoluene	U	16	1.0	5	16	2
98-06-6	tert-Butylbenzene	U	16	1.0	5	16	2
95-63-6	1,2,4-Trimethylbenzene	U	16	1.0	5	16	2
99-87-6	P-Isopropyltoluene	U	16	1.0	5	16	2
541-73-1	1,3-Dichlorobenzene	U	16	1.0	5	16	1
106-46-7	1,4-Dichlorobenzene	U	16	1.0	5	16	0.8
104-51-8	N-Butylbenzene	U	16	1.0	5	16	2
135-98-8	sec-Butylbenzene	U	16	1.0	5	16	3
95-50-1	1,2-Dichlorobenzene	U	16	1.0	5	16	0.9
96-12-8	1,2-Dibromo-3-Chloropropane	U	16	1.0	5	16	2
87-68-3	Hexachlorobutadiene	U	16	1.0	5	16	2
120-82-1	1,2,4-Trichlorobenzene	U	16	1.0	5	16	3
526-73-8	1,2,3-Trimethylbenzene	U	16	1.0	5	16	1
91-20-3	Naphthalene	U	16	1.0	5	16	5
87-61-6	1,2,3-Trichlorobenzene	U	16	1.0	5	16	4
1868-53-7	Dibromofluoromethane		91%				
17060-07-0	1,2-Dichloroethane-D4		93%				
2037-26-5	Toluene-D8		112%				
460-00-4	P-Bromofluorobenzene		77%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-16-01

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Matrix: (soil/water) SOIL Lab Sample ID: WV5583-8RA

Sample wt/vol: 4.900(g/mL) G Lab File ID: Z8022

Level: (low/med) LOW Date Received: 10/21/05

% Moisture: not dec. 68 Date Analyzed: 10/26/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN CYCLOALKANE	11.20	30	J
2.					
3.					
4.					
5.					
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FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date:
Analysis Date: 25-OCT-2005 22:58
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 31.8

Lab ID: WV5583-9
Client ID: SD-16-02
SDG: MID-5
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22012
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	31	1.0	10	31	6
74-87-3	Chloromethane	U	31	1.0	10	31	3
75-01-4	Vinyl chloride	U	31	1.0	10	31	6
74-83-9	Bromomethane	U	31	1.0	10	31	6
75-00-3	Chloroethane	U	31	1.0	10	31	5
75-69-4	Trichlorofluoromethane	U	31	1.0	10	31	6
75-65-0	Tertiary-butyl alcohol	U	31	1.0	10	31	22
75-35-4	1,1-Dichloroethene	U	16	1.0	5	16	3
75-15-0	Carbon Disulfide	J	11	1.0	5	16	5
76-13-1	Freon-113	U	16	1.0	5	16	5
637-92-3	Ethyl tertiary-butyl ether	U	16	1.0	5	16	0.8
75-09-2	Methylene Chloride	JB	9	1.0	5	16	6
67-64-1	Acetone		240	1.0	25	78	13
156-60-5	trans-1,2-Dichloroethene	U	16	1.0	5	16	3
1634-04-4	Methyl tert-butyl ether	J	2	1.0	10	31	2
108-20-3	Di-isopropyl ether	U	16	1.0	5	16	1
75-34-3	1,1-Dichloroethane	U	16	1.0	5	16	3
108-05-4	Vinyl Acetate	U	16	1.0	5	16	0.8
156-59-2	cis-1,2-Dichloroethene	U	16	1.0	5	16	2
540-59-0	1,2-Dichloroethylene (total)	U	31	1.0	10	31	5
594-20-7	2,2-Dichloropropane	U	16	1.0	5	16	5
74-97-5	Bromochloromethane	U	16	1.0	5	16	4
67-66-3	Chloroform	U	16	1.0	5	16	3
56-23-5	Carbon Tetrachloride	U	16	1.0	5	16	10
71-55-6	1,1,1-Trichloroethane	U	16	1.0	5	16	4
563-58-6	1,1-Dichloropropene	U	16	1.0	5	16	4
78-93-3	2-Butanone	J	40	1.0	25	78	10
71-43-2	Benzene	U	16	1.0	5	16	3
994-05-8	Tertiary-amyl methyl ether	U	16	1.0	5	16	1
107-06-2	1,2-Dichloroethane	U	16	1.0	5	16	2
79-01-6	Trichloroethene	U	16	1.0	5	16	2
74-95-3	Dibromomethane	U	16	1.0	5	16	1
78-87-5	1,2-Dichloropropane	U	16	1.0	5	16	2
75-27-4	Bromodichloromethane	U	16	1.0	5	16	2
10061-01-5	cis-1,3-dichloropropene	U	16	1.0	5	16	1
110-75-8	2-Chloroethylvinylether	U	16	1.0	5	16	3
108-88-3	Toluene	U	16	1.0	5	16	3
108-10-1	4-methyl-2-pentanone	U	78	1.0	25	78	13
127-18-4	Tetrachloroethene	U	16	1.0	5	16	4
10061-02-6	trans-1,3-Dichloropropene	U	16	1.0	5	16	2
124-48-1	Dibromochloromethane	U	16	1.0	5	16	2
142-28-9	1,3-Dichloropropane	U	16	1.0	5	16	1
106-93-4	1,2-Dibromoethane	U	16	1.0	5	16	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date:
Analysis Date: 25-OCT-2005 22:58
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 31.8

Lab ID: WV5583-9
Client ID: SD-16-02
SDG: MID-5
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22012
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	78	1.0	25	78	13
108-90-7	Chlorobenzene	U	16	1.0	5	16	2
100-41-4	Ethylbenzene	U	16	1.0	5	16	2
630-20-6	1,1,1,2-Tetrachloroethane	U	16	1.0	5	16	2
1330-20-7	Xylenes (total)	U	47	1.0	15	47	6
	m+p-Xylenes	U	31	1.0	10	31	4
95-47-6	o-Xylene	U	16	1.0	5	16	2
100-42-5	Styrene	JB	1	1.0	5	16	1
75-25-2	Bromoform	U	16	1.0	5	16	2
98-82-8	Isopropylbenzene	U	16	1.0	5	16	2
108-86-1	Bromobenzene	U	16	1.0	5	16	3
103-65-1	N-Propylbenzene	U	16	1.0	5	16	2
79-34-5	1,1,2,2-Tetrachloroethane	U	16	1.0	5	16	4
95-49-8	2-Chlorotoluene	U	16	1.0	5	16	2
96-18-4	1,2,3-Trichloropropane	U	16	1.0	5	16	2
106-43-4	4-Chlorotoluene	U	16	1.0	5	16	2
98-06-6	tert-Butylbenzene	U	16	1.0	5	16	2
95-63-6	1,2,4-Trimethylbenzene	U	16	1.0	5	16	2
99-87-6	P-Isopropyltoluene	U	16	1.0	5	16	2
541-73-1	1,3-Dichlorobenzene	U	16	1.0	5	16	1
106-46-7	1,4-Dichlorobenzene	U	16	1.0	5	16	0.8
104-51-8	N-Butylbenzene	U	16	1.0	5	16	2
135-98-8	sec-Butylbenzene	U	16	1.0	5	16	3
95-50-1	1,2-Dichlorobenzene	U	16	1.0	5	16	0.9
96-12-8	1,2-Dibromo-3-Chloropropane	U	16	1.0	5	16	2
87-68-3	Hexachlorobutadiene	U	16	1.0	5	16	2
120-82-1	1,2,4-Trichlorobenzene	U	16	1.0	5	16	3
526-73-8	1,2,3-Trimethylbenzene	U	16	1.0	5	16	1
91-20-3	Naphthalene	U	16	1.0	5	16	5
87-61-6	1,2,3-Trichlorobenzene	U	16	1.0	5	16	4
1868-53-7	Dibromofluoromethane		78%				
17060-07-0	1,2-Dichloroethane-D4		71%				
2037-26-5	Toluene-D8		82%				
460-00-4	P-Bromofluorobenzene		58%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-16-02

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Matrix: (soil/water) SOIL Lab Sample ID: WV5583-9

Sample wt/vol: 5.000(g/mL) G Lab File ID: Z8003

Level: (low/med) LOW Date Received: 10/21/05

% Moisture: not dec. 68 Date Analyzed: 10/25/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 11

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		BRANCHED ALKANE	7.93	20	J
2.	565-75-3	PENTANE, 2,3,4-TRIMETHYL-	9.91	20	NJ
3.		BRANCHED ALKANE	10.06	30	J
4.		BRANCHED ALKANE	10.54	20	J
5.	541-05-9	CYCLOTRISILOXANE, HEXAMETHY	11.20	20	NJ
6.		UNKNOWN CYCLOALKANE	13.52	20	J
7.		UNKNOWN CYCLOALKANE	13.98	20	J
8.		C7H12O ISOMER	14.03	20	J
9.		UNKNOWN CYCLOALKANE	14.15	20	J
10.	86-29-3	BENZENEACETONITRILE, .ALPHA	17.01	30	NJ
11.		C15H28 ISOMER	17.32	20	J
12.					
13.					
14.					
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FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date:
Analysis Date: 26-OCT-2005 12:55
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 24.0

Lab ID: WV5583-7RA
Client ID: SD-16-SS
SDG: MID-5
Extracted by:
Extraction Method: SW846 5035
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22041
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	40	1.0	10	40	7
74-87-3	Chloromethane	U	40	1.0	10	40	4
75-01-4	Vinyl chloride	U	40	1.0	10	40	7
74-83-9	Bromomethane	U	40	1.0	10	40	8
75-00-3	Chloroethane	U	40	1.0	10	40	6
75-69-4	Trichlorofluoromethane	U	40	1.0	10	40	7
75-65-0	Tertiary-butyl alcohol	U	40	1.0	10	40	28
75-35-4	1,1-Dichloroethene	U	20	1.0	5	20	4
75-15-0	Carbon Disulfide	U	20	1.0	5	20	6
76-13-1	Freon-113	U	20	1.0	5	20	7
637-92-3	Ethyl tertiary-butyl ether	U	20	1.0	5	20	1
75-09-2	Methylene Chloride	JB	14	1.0	5	20	8
67-64-1	Acetone	J	69	1.0	25	100	17
156-60-5	trans-1,2-Dichloroethene	U	20	1.0	5	20	4
1634-04-4	Methyl tert-butyl ether	J	9	1.0	10	40	3
108-20-3	Di-isopropyl ether	U	20	1.0	5	20	1
75-34-3	1,1-Dichloroethane	U	20	1.0	5	20	4
108-05-4	Vinyl Acetate	U	20	1.0	5	20	1.0
156-59-2	cis-1,2-Dichloroethene	U	20	1.0	5	20	3
540-59-0	1,2-Dichloroethylene (total)	U	40	1.0	10	40	6
594-20-7	2,2-Dichloropropane	U	20	1.0	5	20	6
74-97-5	Bromochloromethane	U	20	1.0	5	20	5
67-66-3	Chloroform	U	20	1.0	5	20	3
56-23-5	Carbon Tetrachloride	U	20	1.0	5	20	12
71-55-6	1,1,1-Trichloroethane	U	20	1.0	5	20	5
563-58-6	1,1-Dichloropropene	U	20	1.0	5	20	5
78-93-3	2-Butanone	U	100	1.0	25	100	13
71-43-2	Benzene	U	20	1.0	5	20	3
994-05-8	Tertiary-amyl methyl ether	U	20	1.0	5	20	2
107-06-2	1,2-Dichloroethane	U	20	1.0	5	20	2
79-01-6	Trichloroethene	U	20	1.0	5	20	3
74-95-3	Dibromomethane	U	20	1.0	5	20	2
78-87-5	1,2-Dichloropropane	U	20	1.0	5	20	3
75-27-4	Bromodichloromethane	U	20	1.0	5	20	2
10061-01-5	cis-1,3-dichloropropene	U	20	1.0	5	20	1
110-75-8	2-Chloroethylvinylether	U	20	1.0	5	20	4
108-88-3	Toluene	U	20	1.0	5	20	3
108-10-1	4-methyl-2-pentanone	U	100	1.0	25	100	17
127-18-4	Tetrachloroethene	U	20	1.0	5	20	5
10061-02-6	trans-1,3-Dichloropropene	U	20	1.0	5	20	2
124-48-1	Dibromochloromethane	U	20	1.0	5	20	2
142-28-9	1,3-Dichloropropane	U	20	1.0	5	20	1
106-93-4	1,2-Dibromoethane	U	20	1.0	5	20	2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date:
Analysis Date: 26-OCT-2005 12:55
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 24.0

Lab ID: WV5583-7RA
Client ID: SD-16-SS
SDG: MID-5
Extracted by:
Extraction Method: SW846 5035
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22041
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	100	1.0	25	100	16
108-90-7	Chlorobenzene	U	20	1.0	5	20	3
100-41-4	Ethylbenzene	U	20	1.0	5	20	3
630-20-6	1,1,1,2-Tetrachloroethane	U	20	1.0	5	20	2
1330-20-7	Xylenes (total)	U	60	1.0	15	60	7
	m+p-Xylenes	U	40	1.0	10	40	5
95-47-6	o-Xylene	U	20	1.0	5	20	2
100-42-5	Styrene	U	20	1.0	5	20	1
75-25-2	Bromoform	U	20	1.0	5	20	2
98-82-8	Isopropylbenzene	U	20	1.0	5	20	3
108-86-1	Bromobenzene	U	20	1.0	5	20	4
103-65-1	N-Propylbenzene	U	20	1.0	5	20	3
79-34-5	1,1,2,2-Tetrachloroethane	U	20	1.0	5	20	4
95-49-8	2-Chlorotoluene	U	20	1.0	5	20	3
96-18-4	1,2,3-Trichloropropane	U	20	1.0	5	20	3
106-43-4	4-Chlorotoluene	U	20	1.0	5	20	2
98-06-6	tert-Butylbenzene	U	20	1.0	5	20	3
95-63-6	1,2,4-Trimethylbenzene	U	20	1.0	5	20	2
99-87-6	P-Isopropyltoluene	U	20	1.0	5	20	3
541-73-1	1,3-Dichlorobenzene	U	20	1.0	5	20	1
106-46-7	1,4-Dichlorobenzene	U	20	1.0	5	20	1
104-51-8	N-Butylbenzene	U	20	1.0	5	20	3
135-98-8	sec-Butylbenzene	U	20	1.0	5	20	4
95-50-1	1,2-Dichlorobenzene	U	20	1.0	5	20	1
96-12-8	1,2-Dibromo-3-Chloropropane	U	20	1.0	5	20	3
87-68-3	Hexachlorobutadiene	U	20	1.0	5	20	3
120-82-1	1,2,4-Trichlorobenzene	U	20	1.0	5	20	4
526-73-8	1,2,3-Trimethylbenzene	U	20	1.0	5	20	1
91-20-3	Naphthalene	U	20	1.0	5	20	6
87-61-6	1,2,3-Trichlorobenzene	U	20	1.0	5	20	6
1868-53-7	Dibromofluoromethane		58%				
17060-07-0	1,2-Dichloroethane-D4		81%				
2037-26-5	Toluene-D8		99%				
460-00-4	P-Bromofluorobenzene		70%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-16-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Matrix: (soil/water) SOIL Lab Sample ID: WV5583-7RA

Sample wt/vol: 5.200(g/mL) G Lab File ID: Z8021

Level: (low/med) LOW Date Received: 10/21/05

% Moisture: not dec. 76 Date Analyzed: 10/26/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN CYCLOALKANE	11.21	40	J
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
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23.					
24.					
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27.					
28.					
29.					
30.					

FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 26-OCT-2005 14:54
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 24.8

Lab ID: WV5604-2RA
Client ID: SD-17-SS
SDG: MID-5
Extracted by:
Extraction Method: SW846 5035
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22041
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	41	1.0	10	41	8
74-87-3	Chloromethane	U	41	1.0	10	41	4
75-01-4	Vinyl chloride	U	41	1.0	10	41	7
74-83-9	Bromomethane	U	41	1.0	10	41	8
75-00-3	Chloroethane	U	41	1.0	10	41	6
75-69-4	Trichlorofluoromethane	U	41	1.0	10	41	7
75-65-0	Tertiary-butyl alcohol	U	41	1.0	10	41	29
75-35-4	1,1-Dichloroethene	U	21	1.0	5	21	4
75-15-0	Carbon Disulfide	U	21	1.0	5	21	6
76-13-1	Freon-113	U	21	1.0	5	21	7
637-92-3	Ethyl tertiary-butyl ether	U	21	1.0	5	21	1
75-09-2	Methylene Chloride	JB	19	1.0	5	21	8
67-64-1	Acetone	J	58	1.0	25	100	17
156-60-5	trans-1,2-Dichloroethene	U	21	1.0	5	21	4
1634-04-4	Methyl tert-butyl ether	J	8	1.0	10	41	3
108-20-3	Di-isopropyl ether	U	21	1.0	5	21	1
75-34-3	1,1-Dichloroethane	U	21	1.0	5	21	4
108-05-4	Vinyl Acetate	U	21	1.0	5	21	1.0
156-59-2	cis-1,2-Dichloroethene	U	21	1.0	5	21	3
540-59-0	1,2-Dichloroethylene (total)	U	41	1.0	10	41	6
594-20-7	2,2-Dichloropropane	U	21	1.0	5	21	6
74-97-5	Bromochloromethane	U	21	1.0	5	21	5
67-66-3	Chloroform	U	21	1.0	5	21	3
56-23-5	Carbon Tetrachloride	U	21	1.0	5	21	12
71-55-6	1,1,1-Trichloroethane	U	21	1.0	5	21	5
563-58-6	1,1-Dichloropropene	U	21	1.0	5	21	5
78-93-3	2-Butanone	U	100	1.0	25	100	13
71-43-2	Benzene	U	21	1.0	5	21	3
994-05-8	Tertiary-amyl methyl ether	U	21	1.0	5	21	2
107-06-2	1,2-Dichloroethane	U	21	1.0	5	21	2
79-01-6	Trichloroethene	U	21	1.0	5	21	3
74-95-3	Dibromomethane	U	21	1.0	5	21	2
78-87-5	1,2-Dichloropropane	U	21	1.0	5	21	3
75-27-4	Bromodichloromethane	U	21	1.0	5	21	2
10061-01-5	cis-1,3-dichloropropene	U	21	1.0	5	21	1
110-75-8	2-Chloroethylvinylether	U	21	1.0	5	21	4
108-88-3	Toluene	U	21	1.0	5	21	4
108-10-1	4-methyl-2-pentanone	U	100	1.0	25	100	17
127-18-4	Tetrachloroethene	U	21	1.0	5	21	5
10061-02-6	trans-1,3-Dichloropropene	U	21	1.0	5	21	2
124-48-1	Dibromochloromethane	U	21	1.0	5	21	2
142-28-9	1,3-Dichloropropane	U	21	1.0	5	21	1
106-93-4	1,2-Dibromoethane	U	21	1.0	5	21	2

Sample Data Summary A0000054

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 26-OCT-2005 14:54
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 24.8

Lab ID: WV5604-2RA
Client ID: SD-17-SS
SDG: MID-5
Extracted by:
Extraction Method: SW846 5035
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22041
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	100	1.0	25	100	17
108-90-7	Chlorobenzene	U	21	1.0	5	21	3
100-41-4	Ethylbenzene	U	21	1.0	5	21	3
630-20-6	1,1,1,2-Tetrachloroethane	U	21	1.0	5	21	2
1330-20-7	Xylenes (total)	U	62	1.0	15	62	8
	m+p-Xylenes	U	41	1.0	10	41	5
95-47-6	o-Xylene	U	21	1.0	5	21	2
100-42-5	Styrene	U	21	1.0	5	21	1
75-25-2	Bromoform	U	21	1.0	5	21	2
98-82-8	Isopropylbenzene	U	21	1.0	5	21	3
108-86-1	Bromobenzene	U	21	1.0	5	21	4
103-65-1	N-Propylbenzene	U	21	1.0	5	21	3
79-34-5	1,1,2,2-Tetrachloroethane	U	21	1.0	5	21	5
95-49-8	2-Chlorotoluene	U	21	1.0	5	21	3
96-18-4	1,2,3-Trichloropropane	U	21	1.0	5	21	3
106-43-4	4-Chlorotoluene	U	21	1.0	5	21	2
98-06-6	tert-Butylbenzene	U	21	1.0	5	21	3
95-63-6	1,2,4-Trimethylbenzene	U	21	1.0	5	21	2
99-87-6	P-Isopropyltoluene	U	21	1.0	5	21	3
541-73-1	1,3-Dichlorobenzene	U	21	1.0	5	21	1
106-46-7	1,4-Dichlorobenzene	U	21	1.0	5	21	1
104-51-8	N-Butylbenzene	U	21	1.0	5	21	3
135-98-8	sec-Butylbenzene	U	21	1.0	5	21	4
95-50-1	1,2-Dichlorobenzene	U	21	1.0	5	21	1
96-12-8	1,2-Dibromo-3-Chloropropane	U	21	1.0	5	21	3
87-68-3	Hexachlorobutadiene	U	21	1.0	5	21	3
120-82-1	1,2,4-Trichlorobenzene	U	21	1.0	5	21	4
526-73-8	1,2,3-Trimethylbenzene	U	21	1.0	5	21	1
91-20-3	Naphthalene	U	21	1.0	5	21	6
87-61-6	1,2,3-Trichlorobenzene	U	21	1.0	5	21	6
1868-53-7	Dibromofluoromethane		62%				
17060-07-0	1,2-Dichloroethane-D4		86%				
2037-26-5	Toluene-D8		109%				
460-00-4	P-Bromofluorobenzene		76%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-17-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Matrix: (soil/water) SOIL Lab Sample ID: WV5604-2RA

Sample wt/vol: 4.900(g/mL) G Lab File ID: Z8024

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: not dec. 75 Date Analyzed: 10/26/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	55429-29-3	ARSENOUS ACID, TRIS(TRIMETH	11.21	30	NJ
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
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FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 26-OCT-2005 00:58
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 21.8

Lab ID: WV5604-3
Client ID: SD-18-SS
SDG: MID-5
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22012
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	46	1.0	10	46	8
74-87-3	Chloromethane	U	46	1.0	10	46	4
75-01-4	Vinyl chloride	U	46	1.0	10	46	8
74-83-9	Bromomethane	U	46	1.0	10	46	9
75-00-3	Chloroethane	U	46	1.0	10	46	7
75-69-4	Trichlorofluoromethane	U	46	1.0	10	46	8
75-65-0	Tertiary-butyl alcohol	U	46	1.0	10	46	32
75-35-4	1,1-Dichloroethene	U	23	1.0	5	23	4
75-15-0	Carbon Disulfide	U	23	1.0	5	23	7
76-13-1	Freon-113	U	23	1.0	5	23	8
637-92-3	Ethyl tertiary-butyl ether	U	23	1.0	5	23	1
75-09-2	Methylene Chloride	JB	14	1.0	5	23	9
67-64-1	Acetone	J	69	1.0	25	110	19
156-60-5	trans-1,2-Dichloroethene	U	23	1.0	5	23	4
1634-04-4	Methyl tert-butyl ether	J	9	1.0	10	46	3
108-20-3	Di-isopropyl ether	U	23	1.0	5	23	2
75-34-3	1,1-Dichloroethane	U	23	1.0	5	23	5
108-05-4	Vinyl Acetate	U	23	1.0	5	23	1
156-59-2	cis-1,2-Dichloroethene	U	23	1.0	5	23	3
540-59-0	1,2-Dichloroethylene (total)	U	46	1.0	10	46	7
594-20-7	2,2-Dichloropropane	U	23	1.0	5	23	7
74-97-5	Bromochloromethane	U	23	1.0	5	23	6
67-66-3	Chloroform	U	23	1.0	5	23	4
56-23-5	Carbon Tetrachloride	U	23	1.0	5	23	14
71-55-6	1,1,1-Trichloroethane	U	23	1.0	5	23	6
563-58-6	1,1-Dichloropropene	U	23	1.0	5	23	6
78-93-3	2-Butanone	U	110	1.0	25	110	14
71-43-2	Benzene	U	23	1.0	5	23	4
994-05-8	Tertiary-amyl methyl ether	U	23	1.0	5	23	2
107-06-2	1,2-Dichloroethane	U	23	1.0	5	23	3
79-01-6	Trichloroethene	U	23	1.0	5	23	4
74-95-3	Dibromomethane	U	23	1.0	5	23	2
78-87-5	1,2-Dichloropropane	U	23	1.0	5	23	3
75-27-4	Bromodichloromethane	U	23	1.0	5	23	2
10061-01-5	cis-1,3-dichloropropene	U	23	1.0	5	23	2
110-75-8	2-Chloroethylvinylether	U	23	1.0	5	23	4
108-88-3	Toluene	U	23	1.0	5	23	4
108-10-1	4-methyl-2-pentanone	U	110	1.0	25	110	19
127-18-4	Tetrachloroethene	U	23	1.0	5	23	6
10061-02-6	trans-1,3-Dichloropropene	U	23	1.0	5	23	2
124-48-1	Dibromochloromethane	U	23	1.0	5	23	2
142-28-9	1,3-Dichloropropane	U	23	1.0	5	23	2
106-93-4	1,2-Dibromoethane	U	23	1.0	5	23	2

Sample Data Summary A0000057

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 26-OCT-2005 00:58
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 21.8

Lab ID: WV5604-3
Client ID: SD-18-SS
SDG: MID-5
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22012
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	110	1.0	25	110	18
108-90-7	Chlorobenzene	U	23	1.0	5	23	3
100-41-4	Ethylbenzene	U	23	1.0	5	23	3
630-20-6	1,1,1,2-Tetrachloroethane	U	23	1.0	5	23	2
1330-20-7	Xylenes (total)	U	69	1.0	15	69	8
	m+p-Xylenes	U	46	1.0	10	46	6
95-47-6	o-Xylene	U	23	1.0	5	23	3
100-42-5	Styrene	U	23	1.0	5	23	1
75-25-2	Bromoform	U	23	1.0	5	23	3
98-82-8	Isopropylbenzene	U	23	1.0	5	23	4
108-86-1	Bromobenzene	U	23	1.0	5	23	4
103-65-1	N-Propylbenzene	U	23	1.0	5	23	3
79-34-5	1,1,2,2-Tetrachloroethane	U	23	1.0	5	23	5
95-49-8	2-Chlorotoluene	U	23	1.0	5	23	3
96-18-4	1,2,3-Trichloropropane	U	23	1.0	5	23	3
106-43-4	4-Chlorotoluene	U	23	1.0	5	23	2
98-06-6	tert-Butylbenzene	U	23	1.0	5	23	3
95-63-6	1,2,4-Trimethylbenzene	U	23	1.0	5	23	2
99-87-6	P-Isopropyltoluene	U	23	1.0	5	23	3
541-73-1	1,3-Dichlorobenzene	U	23	1.0	5	23	2
106-46-7	1,4-Dichlorobenzene	U	23	1.0	5	23	1
104-51-8	N-Butylbenzene	U	23	1.0	5	23	3
135-98-8	sec-Butylbenzene	U	23	1.0	5	23	4
95-50-1	1,2-Dichlorobenzene	U	23	1.0	5	23	1
96-12-8	1,2-Dibromo-3-Chloropropane	U	23	1.0	5	23	4
87-68-3	Hexachlorobutadiene	U	23	1.0	5	23	4
120-82-1	1,2,4-Trichlorobenzene	U	23	1.0	5	23	4
526-73-8	1,2,3-Trimethylbenzene	U	23	1.0	5	23	2
91-20-3	Naphthalene	U	23	1.0	5	23	7
87-61-6	1,2,3-Trichlorobenzene	U	23	1.0	5	23	6
1868-53-7	Dibromofluoromethane		* 33%				
17060-07-0	1,2-Dichloroethane-D4		64%				
2037-26-5	Toluene-D8		73%				
460-00-4	P-Bromofluorobenzene		42%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-18-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Matrix: (soil/water) SOIL Lab Sample ID: WV5604-3

Sample wt/vol: 5.000(g/mL) G Lab File ID: Z8006

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: not dec. 78 Date Analyzed: 10/26/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		C10H30O3SI4 ISOMER	11.21	40	J
2.		C8H24O4SI4 ISOMER	13.55	20	J
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
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14.					
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16.					
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23.					
24.					
25.					
26.					
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28.					
29.					
30.					

FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 26-OCT-2005 15:34
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 21.8

Lab ID: WV5604-3RA
Client ID: SD-18-SS
SDG: MID-5
Extracted by:
Extraction Method: SW846 5035
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22041
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	44	1.0	10	44	8
74-87-3	Chloromethane	U	44	1.0	10	44	4
75-01-4	Vinyl chloride	U	44	1.0	10	44	8
74-83-9	Bromomethane	U	44	1.0	10	44	9
75-00-3	Chloroethane	U	44	1.0	10	44	6
75-69-4	Trichlorofluoromethane	U	44	1.0	10	44	8
75-65-0	Tertiary-butyl alcohol	U	44	1.0	10	44	31
75-35-4	1,1-Dichloroethene	U	22	1.0	5	22	4
75-15-0	Carbon Disulfide	U	22	1.0	5	22	7
76-13-1	Freon-113	U	22	1.0	5	22	7
637-92-3	Ethyl tertiary-butyl ether	U	22	1.0	5	22	1
75-09-2	Methylene Chloride	JB	19	1.0	5	22	9
67-64-1	Acetone	J	35	1.0	25	110	18
156-60-5	trans-1,2-Dichloroethene	U	22	1.0	5	22	4
1634-04-4	Methyl tert-butyl ether	J	9	1.0	10	44	3
108-20-3	Di-isopropyl ether	U	22	1.0	5	22	2
75-34-3	1,1-Dichloroethane	U	22	1.0	5	22	5
108-05-4	Vinyl Acetate	U	22	1.0	5	22	1
156-59-2	cis-1,2-Dichloroethene	U	22	1.0	5	22	3
540-59-0	1,2-Dichloroethylene (total)	U	44	1.0	10	44	7
594-20-7	2,2-Dichloropropane	U	22	1.0	5	22	7
74-97-5	Bromochloromethane	U	22	1.0	5	22	5
67-66-3	Chloroform	U	22	1.0	5	22	4
56-23-5	Carbon Tetrachloride	U	22	1.0	5	22	13
71-55-6	1,1,1-Trichloroethane	U	22	1.0	5	22	6
563-58-6	1,1-Dichloropropene	U	22	1.0	5	22	6
78-93-3	2-Butanone	U	110	1.0	25	110	14
71-43-2	Benzene	U	22	1.0	5	22	4
994-05-8	Tertiary-amyl methyl ether	U	22	1.0	5	22	2
107-06-2	1,2-Dichloroethane	U	22	1.0	5	22	2
79-01-6	Trichloroethene	U	22	1.0	5	22	3
74-95-3	Dibromomethane	U	22	1.0	5	22	2
78-87-5	1,2-Dichloropropane	U	22	1.0	5	22	3
75-27-4	Bromodichloromethane	U	22	1.0	5	22	2
10061-01-5	cis-1,3-dichloropropene	U	22	1.0	5	22	1
110-75-8	2-Chloroethylvinylether	U	22	1.0	5	22	4
108-88-3	Toluene	U	22	1.0	5	22	4
108-10-1	4-methyl-2-pentanone	U	110	1.0	25	110	19
127-18-4	Tetrachloroethene	U	22	1.0	5	22	5
10061-02-6	trans-1,3-Dichloropropene	U	22	1.0	5	22	2
124-48-1	Dibromochloromethane	U	22	1.0	5	22	2
142-28-9	1,3-Dichloropropane	U	22	1.0	5	22	1
106-93-4	1,2-Dibromoethane	U	22	1.0	5	22	2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 26-OCT-2005 15:34
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 21.8

Lab ID: WV5604-3RA
Client ID: SD-18-SS
SDG: MID-5
Extracted by:
Extraction Method: SW846 5035
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22041
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	110	1.0	25	110	18
108-90-7	Chlorobenzene	U	22	1.0	5	22	3
100-41-4	Ethylbenzene	U	22	1.0	5	22	3
630-20-6	1,1,1,2-Tetrachloroethane	U	22	1.0	5	22	2
1330-20-7	Xylenes (total)	U	66	1.0	15	66	8
	m+p-Xylenes	U	44	1.0	10	44	6
95-47-6	o-Xylene	U	22	1.0	5	22	3
100-42-5	Styrene	U	22	1.0	5	22	1
75-25-2	Bromoform	U	22	1.0	5	22	3
98-82-8	Isopropylbenzene	U	22	1.0	5	22	3
108-86-1	Bromobenzene	U	22	1.0	5	22	4
103-65-1	N-Propylbenzene	U	22	1.0	5	22	3
79-34-5	1,1,2,2-Tetrachloroethane	U	22	1.0	5	22	5
95-49-8	2-Chlorotoluene	U	22	1.0	5	22	3
96-18-4	1,2,3-Trichloropropane	U	22	1.0	5	22	3
106-43-4	4-Chlorotoluene	U	22	1.0	5	22	2
98-06-6	tert-Butylbenzene	U	22	1.0	5	22	3
95-63-6	1,2,4-Trimethylbenzene	U	22	1.0	5	22	2
99-87-6	P-Isopropyltoluene	U	22	1.0	5	22	3
541-73-1	1,3-Dichlorobenzene	U	22	1.0	5	22	1
106-46-7	1,4-Dichlorobenzene	U	22	1.0	5	22	1
104-51-8	N-Butylbenzene	U	22	1.0	5	22	3
135-98-8	sec-Butylbenzene	U	22	1.0	5	22	4
95-50-1	1,2-Dichlorobenzene	U	22	1.0	5	22	1
96-12-8	1,2-Dibromo-3-Chloropropane	U	22	1.0	5	22	4
87-68-3	Hexachlorobutadiene	U	22	1.0	5	22	3
120-82-1	1,2,4-Trichlorobenzene	U	22	1.0	5	22	4
526-73-8	1,2,3-Trimethylbenzene	U	22	1.0	5	22	1
91-20-3	Naphthalene	U	22	1.0	5	22	7
87-61-6	1,2,3-Trichlorobenzene	U	22	1.0	5	22	6
1868-53-7	Dibromofluoromethane		* 43%				
17060-07-0	1,2-Dichloroethane-D4		73%				
2037-26-5	Toluene-D8		91%				
460-00-4	P-Bromofluorobenzene		54%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-18-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Matrix: (soil/water) SOIL Lab Sample ID: WV5604-3RA

Sample wt/vol: 5.200(g/mL) G Lab File ID: Z8025

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: not dec. 78 Date Analyzed: 10/26/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
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FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 26-OCT-2005 16:55
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 31.7

Lab ID: WV5604-5RA
Client ID: SD-19-01
SDG: MID-5
Extracted by:
Extraction Method: SW846 5035
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22041
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	30	1.0	10	30	6
74-87-3	Chloromethane	U	30	1.0	10	30	3
75-01-4	Vinyl chloride	U	30	1.0	10	30	5
74-83-9	Bromomethane	U	30	1.0	10	30	6
75-00-3	Chloroethane	U	30	1.0	10	30	4
75-69-4	Trichlorofluoromethane	U	30	1.0	10	30	5
75-65-0	Tertiary-butyl alcohol	U	30	1.0	10	30	21
75-35-4	1,1-Dichloroethene	U	15	1.0	5	15	3
75-15-0	Carbon Disulfide	J	6	1.0	5	15	4
76-13-1	Freon-113	U	15	1.0	5	15	5
637-92-3	Ethyl tertiary-butyl ether	U	15	1.0	5	15	0.8
75-09-2	Methylene Chloride	B	17	1.0	5	15	6
67-64-1	Acetone		220	1.0	25	74	12
156-60-5	trans-1,2-Dichloroethene	U	15	1.0	5	15	3
1634-04-4	Methyl tert-butyl ether	U	30	1.0	10	30	2
108-20-3	Di-isopropyl ether	U	15	1.0	5	15	1
75-34-3	1,1-Dichloroethane	U	15	1.0	5	15	3
108-05-4	Vinyl Acetate	U	15	1.0	5	15	0.7
156-59-2	cis-1,2-Dichloroethene	U	15	1.0	5	15	2
540-59-0	1,2-Dichloroethylene (total)	U	30	1.0	10	30	5
594-20-7	2,2-Dichloropropane	U	15	1.0	5	15	4
74-97-5	Bromochloromethane	U	15	1.0	5	15	4
67-66-3	Chloroform	U	15	1.0	5	15	2
56-23-5	Carbon Tetrachloride	U	15	1.0	5	15	9
71-55-6	1,1,1-Trichloroethane	U	15	1.0	5	15	4
563-58-6	1,1-Dichloropropene	U	15	1.0	5	15	4
78-93-3	2-Butanone	J	37	1.0	25	74	9
71-43-2	Benzene	U	15	1.0	5	15	2
994-05-8	Tertiary-amyl methyl ether	U	15	1.0	5	15	1
107-06-2	1,2-Dichloroethane	U	15	1.0	5	15	2
79-01-6	Trichloroethene	U	15	1.0	5	15	2
74-95-3	Dibromomethane	U	15	1.0	5	15	1
78-87-5	1,2-Dichloropropane	U	15	1.0	5	15	2
75-27-4	Bromodichloromethane	U	15	1.0	5	15	2
10061-01-5	cis-1,3-dichloropropene	U	15	1.0	5	15	1.0
110-75-8	2-Chloroethylvinylether	U	15	1.0	5	15	3
108-88-3	Toluene	U	15	1.0	5	15	2
108-10-1	4-methyl-2-pentanone	U	74	1.0	25	74	12
127-18-4	Tetrachloroethene	U	15	1.0	5	15	4
10061-02-6	trans-1,3-Dichloropropene	U	15	1.0	5	15	2
124-48-1	Dibromochloromethane	U	15	1.0	5	15	2
142-28-9	1,3-Dichloropropane	U	15	1.0	5	15	1
106-93-4	1,2-Dibromoethane	U	15	1.0	5	15	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 26-OCT-2005 16:55
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 31.7

Lab ID: WV5604-5RA
Client ID: SD-19-01
SDG: MID-5
Extracted by:
Extraction Method: SW846 5035
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22041
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	74	1.0	25	74	12
108-90-7	Chlorobenzene	U	15	1.0	5	15	2
100-41-4	Ethylbenzene	U	15	1.0	5	15	2
630-20-6	1,1,1,2-Tetrachloroethane	U	15	1.0	5	15	2
1330-20-7	Xylenes (total)	U	45	1.0	15	45	6
	m+p-Xylenes	U	30	1.0	10	30	4
95-47-6	o-Xylene	U	15	1.0	5	15	2
100-42-5	Styrene	U	15	1.0	5	15	1.0
75-25-2	Bromoform	U	15	1.0	5	15	2
98-82-8	Isopropylbenzene	J	10	1.0	5	15	2
108-86-1	Bromobenzene	U	15	1.0	5	15	3
103-65-1	N-Propylbenzene	U	15	1.0	5	15	2
79-34-5	1,1,2,2-Tetrachloroethane	U	15	1.0	5	15	3
95-49-8	2-Chlorotoluene	U	15	1.0	5	15	2
96-18-4	1,2,3-Trichloropropane	U	15	1.0	5	15	2
106-43-4	4-Chlorotoluene	U	15	1.0	5	15	1
98-06-6	tert-Butylbenzene	J	2	1.0	5	15	2
95-63-6	1,2,4-Trimethylbenzene	U	15	1.0	5	15	2
99-87-6	P-Isopropyltoluene	U	15	1.0	5	15	2
541-73-1	1,3-Dichlorobenzene	U	15	1.0	5	15	1.0
106-46-7	1,4-Dichlorobenzene	U	15	1.0	5	15	0.8
104-51-8	N-Butylbenzene	U	15	1.0	5	15	2
135-98-8	sec-Butylbenzene		33	1.0	5	15	3
95-50-1	1,2-Dichlorobenzene	U	15	1.0	5	15	0.9
96-12-8	1,2-Dibromo-3-Chloropropane	U	15	1.0	5	15	2
87-68-3	Hexachlorobutadiene	U	15	1.0	5	15	2
120-82-1	1,2,4-Trichlorobenzene	U	15	1.0	5	15	3
526-73-8	1,2,3-Trimethylbenzene	U	15	1.0	5	15	1
91-20-3	Naphthalene	U	15	1.0	5	15	5
87-61-6	1,2,3-Trichlorobenzene	U	15	1.0	5	15	4
1868-53-7	Dibromofluoromethane		94%				
17060-07-0	1,2-Dichloroethane-D4		86%				
2037-26-5	Toluene-D8		100%				
460-00-4	P-Bromofluorobenzene		81%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-19-01

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Matrix: (soil/water) SOIL Lab Sample ID: WV5604-5RA

Sample wt/vol: 5.300(g/mL) G Lab File ID: Z8027

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: not dec. 68 Date Analyzed: 10/26/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 16

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		BRANCHED ALKANE	10.52	20	J
2.		UNKNOWN CYCLOALKANE	12.84	20	J
3.		BRANCHED ALKANE	13.04	30	J
4.		UNKNOWN CYCLOALKANE	13.11	20	J
5.		BRANCHED ALKANE	13.16	40	J
6.		C9H14O ISOMER	13.30	20	J
7.		C12H24 ISOMER	13.52	30	J
8.		C11H24 ISOMER	13.97	60	J
9.	493-02-7	NAPHTHALENE, DECAHYDRO-, TR	14.42	40	NJ
10.		C10H16O ISOMER	14.47	40	J
11.		C10H18O ISOMER	14.54	30	J
12.	2958-76-1	NAPHTHALENE, DECAHYDRO-2-ME	14.82	90	NJ
13.		C20H42 ISOMER	15.51	50	J
14.		BRANCHED ALKANE	16.11	20	J
15.	0-00-0	DECAHYDRO-4,4,8,9,10-PENTAM	17.01	30	NJ
16.	0-00-0	DECAHYDRO-4,4,8,9,10-PENTAM	17.34	20	NJ
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FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 26-OCT-2005 17:34
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 66.8

Lab ID: WV5604-6RA
Client ID: SD-19-02
SDG: MID-5
Extracted by:
Extraction Method: SW846 5035
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22041
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	14	1.0	10	14	3
74-87-3	Chloromethane	U	14	1.0	10	14	1
75-01-4	Vinyl chloride	U	14	1.0	10	14	2
74-83-9	Bromomethane	U	14	1.0	10	14	3
75-00-3	Chloroethane	U	14	1.0	10	14	2
75-69-4	Trichlorofluoromethane	U	14	1.0	10	14	3
75-65-0	Tertiary-butyl alcohol	U	14	1.0	10	14	10
75-35-4	1,1-Dichloroethene	U	7	1.0	5	7	1
75-15-0	Carbon Disulfide	U	7	1.0	5	7	2
76-13-1	Freon-113	U	7	1.0	5	7	2
637-92-3	Ethyl tertiary-butyl ether	U	7	1.0	5	7	0.4
75-09-2	Methylene Chloride	B	9	1.0	5	7	3
67-64-1	Acetone		110	1.0	25	36	6
156-60-5	trans-1,2-Dichloroethene	U	7	1.0	5	7	1
1634-04-4	Methyl tert-butyl ether	U	14	1.0	10	14	0.9
108-20-3	Di-isopropyl ether	U	7	1.0	5	7	0.5
75-34-3	1,1-Dichloroethane	U	7	1.0	5	7	2
108-05-4	Vinyl Acetate	U	7	1.0	5	7	0.3
156-59-2	cis-1,2-Dichloroethene	J	2	1.0	5	7	1.0
540-59-0	1,2-Dichloroethylene (total)	U	14	1.0	10	14	2
594-20-7	2,2-Dichloropropane	U	7	1.0	5	7	2
74-97-5	Bromochloromethane	U	7	1.0	5	7	2
67-66-3	Chloroform	U	7	1.0	5	7	1
56-23-5	Carbon Tetrachloride	U	7	1.0	5	7	4
71-55-6	1,1,1-Trichloroethane	U	7	1.0	5	7	2
563-58-6	1,1-Dichloropropene	U	7	1.0	5	7	2
78-93-3	2-Butanone	J	21	1.0	25	36	4
71-43-2	Benzene	U	7	1.0	5	7	1
994-05-8	Tertiary-amyl methyl ether	U	7	1.0	5	7	0.6
107-06-2	1,2-Dichloroethane	U	7	1.0	5	7	0.8
79-01-6	Trichloroethene	U	7	1.0	5	7	1
74-95-3	Dibromomethane	U	7	1.0	5	7	0.7
78-87-5	1,2-Dichloropropane	U	7	1.0	5	7	1
75-27-4	Bromodichloromethane	U	7	1.0	5	7	0.7
10061-01-5	cis-1,3-dichloropropene	U	7	1.0	5	7	0.5
110-75-8	2-Chloroethylvinylether	U	7	1.0	5	7	1
108-88-3	Toluene		10	1.0	5	7	1
108-10-1	4-methyl-2-pentanone	U	36	1.0	25	36	6
127-18-4	Tetrachloroethene	U	7	1.0	5	7	2
10061-02-6	trans-1,3-Dichloropropene	U	7	1.0	5	7	0.8
124-48-1	Dibromochloromethane	U	7	1.0	5	7	0.7
142-28-9	1,3-Dichloropropane	U	7	1.0	5	7	0.5
106-93-4	1,2-Dibromoethane	U	7	1.0	5	7	0.7

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 26-OCT-2005 17:34
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 66.8

Lab ID: WV5604-6RA
Client ID: SD-19-02
SDG: MID-5
Extracted by:
Extraction Method: SW846 5035
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22041
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	36	1.0	25	36	6
108-90-7	Chlorobenzene	U	7	1.0	5	7	0.9
100-41-4	Ethylbenzene	U	7	1.0	5	7	1
630-20-6	1,1,1,2-Tetrachloroethane	U	7	1.0	5	7	0.7
1330-20-7	Xylenes (total)	U	22	1.0	15	22	3
	m+p-Xylenes	U	14	1.0	10	14	2
95-47-6	o-Xylene	U	7	1.0	5	7	0.9
100-42-5	Styrene	U	7	1.0	5	7	0.5
75-25-2	Bromoform	U	7	1.0	5	7	0.9
98-82-8	Isopropylbenzene	J	3	1.0	5	7	1
108-86-1	Bromobenzene	U	7	1.0	5	7	1
103-65-1	N-Propylbenzene	U	7	1.0	5	7	1
79-34-5	1,1,2,2-Tetrachloroethane	U	7	1.0	5	7	2
95-49-8	2-Chlorotoluene	U	7	1.0	5	7	1.0
96-18-4	1,2,3-Trichloropropane	U	7	1.0	5	7	1
106-43-4	4-Chlorotoluene	U	7	1.0	5	7	0.7
98-06-6	tert-Butylbenzene	U	7	1.0	5	7	1.0
95-63-6	1,2,4-Trimethylbenzene	U	7	1.0	5	7	0.8
99-87-6	P-Isopropyltoluene	U	7	1.0	5	7	1.0
541-73-1	1,3-Dichlorobenzene	U	7	1.0	5	7	0.5
106-46-7	1,4-Dichlorobenzene	U	7	1.0	5	7	0.4
104-51-8	N-Butylbenzene	U	7	1.0	5	7	0.9
135-98-8	sec-Butylbenzene	J	7	1.0	5	7	1
95-50-1	1,2-Dichlorobenzene	U	7	1.0	5	7	0.4
96-12-8	1,2-Dibromo-3-Chloropropane	U	7	1.0	5	7	1
87-68-3	Hexachlorobutadiene	U	7	1.0	5	7	1
120-82-1	1,2,4-Trichlorobenzene	U	7	1.0	5	7	1
526-73-8	1,2,3-Trimethylbenzene	U	7	1.0	5	7	0.5
91-20-3	Naphthalene	U	7	1.0	5	7	2
87-61-6	1,2,3-Trichlorobenzene	U	7	1.0	5	7	2
1868-53-7	Dibromofluoromethane		88%				
17060-07-0	1,2-Dichloroethane-D4		88%				
2037-26-5	Toluene-D8		85%				
460-00-4	P-Bromofluorobenzene		71%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-19-02

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Matrix: (soil/water) SOIL Lab Sample ID: WV5604-6RA

Sample wt/vol: 5.200(g/mL) G Lab File ID: Z8028

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: not dec. 33 Date Analyzed: 10/26/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 10

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		BRANCHED ALKANE	10.52	9	J
2.		UNKNOWN CYCLOALKANE	11.19	8	J
3.		C18H34O ISOMER	13.97	8	J
4.		BRANCHED ALKANE	14.30	7	J
5.		C10H20 ISOMER	14.47	7	J
6.		UNKNOWN CYCLOALKANE	14.83	20	J
7.		C11H20 ISOMER	14.93	10	J
8.	17301-23-4	UNDECANE, 2,6-DIMETHYL-	15.18	40	NJ
9.		BRANCHED ALKANE	15.50	50	J
10.		BRANCHED ALKANE	16.11	30	J
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
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27.					
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29.					
30.					

FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 26-OCT-2005 16:14
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 29.8

Lab ID: WV5604-4RA
Client ID: SD-19-SS
SDG: MID-5
Extracted by:
Extraction Method: SW846 5035
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22041
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	32	1.0	10	32	6
74-87-3	Chloromethane	U	32	1.0	10	32	3
75-01-4	Vinyl chloride	U	32	1.0	10	32	6
74-83-9	Bromomethane	U	32	1.0	10	32	6
75-00-3	Chloroethane	U	32	1.0	10	32	5
75-69-4	Trichlorofluoromethane	U	32	1.0	10	32	6
75-65-0	Tertiary-butyl alcohol	U	32	1.0	10	32	22
75-35-4	1,1-Dichloroethene	U	16	1.0	5	16	3
75-15-0	Carbon Disulfide	U	16	1.0	5	16	5
76-13-1	Freon-113	U	16	1.0	5	16	5
637-92-3	Ethyl tertiary-butyl ether	U	16	1.0	5	16	0.9
75-09-2	Methylene Chloride	JB	15	1.0	5	16	6
67-64-1	Acetone	J	78	1.0	25	81	13
156-60-5	trans-1,2-Dichloroethene	U	16	1.0	5	16	3
1634-04-4	Methyl tert-butyl ether	U	32	1.0	10	32	2
108-20-3	Di-isopropyl ether	U	16	1.0	5	16	1
75-34-3	1,1-Dichloroethane	U	16	1.0	5	16	3
108-05-4	Vinyl Acetate	U	16	1.0	5	16	0.8
156-59-2	cis-1,2-Dichloroethene	U	16	1.0	5	16	2
540-59-0	1,2-Dichloroethylene (total)	U	32	1.0	10	32	5
594-20-7	2,2-Dichloropropane	U	16	1.0	5	16	5
74-97-5	Bromochloromethane	U	16	1.0	5	16	4
67-66-3	Chloroform	U	16	1.0	5	16	3
56-23-5	Carbon Tetrachloride	U	16	1.0	5	16	10
71-55-6	1,1,1-Trichloroethane	U	16	1.0	5	16	4
563-58-6	1,1-Dichloropropene	U	16	1.0	5	16	4
78-93-3	2-Butanone	J	23	1.0	25	81	10
71-43-2	Benzene	U	16	1.0	5	16	3
994-05-8	Tertiary-amyl methyl ether	U	16	1.0	5	16	1
107-06-2	1,2-Dichloroethane	U	16	1.0	5	16	2
79-01-6	Trichloroethene	U	16	1.0	5	16	2
74-95-3	Dibromomethane	U	16	1.0	5	16	1
78-87-5	1,2-Dichloropropane	U	16	1.0	5	16	2
75-27-4	Bromodichloromethane	U	16	1.0	5	16	2
10061-01-5	cis-1,3-dichloropropene	U	16	1.0	5	16	1
110-75-8	2-Chloroethylvinylether	U	16	1.0	5	16	3
108-88-3	Toluene	U	16	1.0	5	16	3
108-10-1	4-methyl-2-pentanone	U	81	1.0	25	81	14
127-18-4	Tetrachloroethene	U	16	1.0	5	16	4
10061-02-6	trans-1,3-Dichloropropene	U	16	1.0	5	16	2
124-48-1	Dibromochloromethane	U	16	1.0	5	16	2
142-28-9	1,3-Dichloropropane	U	16	1.0	5	16	1
106-93-4	1,2-Dibromoethane	U	16	1.0	5	16	1

Sample Data Summary A0000063

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 26-OCT-2005 16:14
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 29.8

Lab ID: WV5604-4RA
Client ID: SD-19-SS
SDG: MID-5
Extracted by:
Extraction Method: SW846 5035
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22041
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	81	1.0	25	81	13
108-90-7	Chlorobenzene	U	16	1.0	5	16	2
100-41-4	Ethylbenzene	U	16	1.0	5	16	2
630-20-6	1,1,1,2-Tetrachloroethane	U	16	1.0	5	16	2
1330-20-7	Xylenes (total)	U	48	1.0	15	48	6
	m+p-Xylenes	U	32	1.0	10	32	4
95-47-6	o-Xylene	U	16	1.0	5	16	2
100-42-5	Styrene	U	16	1.0	5	16	1
75-25-2	Bromoform	U	16	1.0	5	16	2
98-82-8	Isopropylbenzene	U	16	1.0	5	16	2
108-86-1	Bromobenzene	U	16	1.0	5	16	3
103-65-1	N-Propylbenzene	U	16	1.0	5	16	2
79-34-5	1,1,2,2-Tetrachloroethane	U	16	1.0	5	16	4
95-49-8	2-Chlorotoluene	U	16	1.0	5	16	2
96-18-4	1,2,3-Trichloropropane	U	16	1.0	5	16	2
106-43-4	4-Chlorotoluene	U	16	1.0	5	16	2
98-06-6	tert-Butylbenzene	U	16	1.0	5	16	2
95-63-6	1,2,4-Trimethylbenzene	U	16	1.0	5	16	2
99-87-6	P-Isopropyltoluene	U	16	1.0	5	16	2
541-73-1	1,3-Dichlorobenzene	U	16	1.0	5	16	1
106-46-7	1,4-Dichlorobenzene	U	16	1.0	5	16	0.8
104-51-8	N-Butylbenzene	U	16	1.0	5	16	2
135-98-8	sec-Butylbenzene	U	16	1.0	5	16	3
95-50-1	1,2-Dichlorobenzene	U	16	1.0	5	16	0.9
96-12-8	1,2-Dibromo-3-Chloropropane	U	16	1.0	5	16	2
87-68-3	Hexachlorobutadiene	U	16	1.0	5	16	2
120-82-1	1,2,4-Trichlorobenzene	U	16	1.0	5	16	3
526-73-8	1,2,3-Trimethylbenzene	U	16	1.0	5	16	1
91-20-3	Naphthalene	U	16	1.0	5	16	5
87-61-6	1,2,3-Trichlorobenzene	U	16	1.0	5	16	4
1868-53-7	Dibromofluoromethane		69%				
17060-07-0	1,2-Dichloroethane-D4		88%				
2037-26-5	Toluene-D8		102%				
460-00-4	P-Bromofluorobenzene		67%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-19-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Matrix: (soil/water) SOIL Lab Sample ID: WV5604-4RA

Sample wt/vol: 5.200(g/mL) G Lab File ID: Z8026

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: not dec. 70 Date Analyzed: 10/26/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		C9H27AS03SI3 ISOMER	11.21	20	J
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
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29.					
30.					

FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 26-OCT-2005 19:21
Report Date: 11/07/2005
Matrix: SOIL
% Solids: 22.1

Lab ID: WV5604-7
Client ID: SD-20-SS
SDG: MID-5
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22077
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	45	1.0	10	45	8
74-87-3	Chloromethane	U	45	1.0	10	45	4
75-01-4	Vinyl chloride	U	45	1.0	10	45	8
74-83-9	Bromomethane	U	45	1.0	10	45	9
75-00-3	Chloroethane	U	45	1.0	10	45	7
75-69-4	Trichlorofluoromethane	U	45	1.0	10	45	8
75-65-0	Tertiary-butyl alcohol	U	45	1.0	10	45	31
75-35-4	1,1-Dichloroethene	U	22	1.0	5	22	4
75-15-0	Carbon Disulfide	U	22	1.0	5	22	7
76-13-1	Freon-113	U	22	1.0	5	22	7
637-92-3	Ethyl tertiary-butyl ether	U	22	1.0	5	22	1
75-09-2	Methylene Chloride	U	22	1.0	5	22	9
67-64-1	Acetone		230	1.0	25	110	19
156-60-5	trans-1,2-Dichloroethene	U	22	1.0	5	22	4
1634-04-4	Methyl tert-butyl ether	J	6	1.0	10	45	3
108-20-3	Di-isopropyl ether	U	22	1.0	5	22	2
75-34-3	1,1-Dichloroethane	U	22	1.0	5	22	5
108-05-4	Vinyl Acetate	U	22	1.0	5	22	1
156-59-2	cis-1,2-Dichloroethene	U	22	1.0	5	22	3
540-59-0	1,2-Dichloroethylene (total)	U	45	1.0	10	45	7
594-20-7	2,2-Dichloropropane	U	22	1.0	5	22	7
74-97-5	Bromochloromethane	U	22	1.0	5	22	6
67-66-3	Chloroform	U	22	1.0	5	22	4
56-23-5	Carbon Tetrachloride	U	22	1.0	5	22	14
71-55-6	1,1,1-Trichloroethane	U	22	1.0	5	22	6
563-58-6	1,1-Dichloropropene	U	22	1.0	5	22	6
78-93-3	2-Butanone	U	110	1.0	25	110	14
71-43-2	Benzene	U	22	1.0	5	22	4
994-05-8	Tertiary-amyl methyl ether	U	22	1.0	5	22	2
107-06-2	1,2-Dichloroethane	U	22	1.0	5	22	3
79-01-6	Trichloroethene	U	22	1.0	5	22	3
74-95-3	Dibromomethane	U	22	1.0	5	22	2
78-87-5	1,2-Dichloropropane	U	22	1.0	5	22	3
75-27-4	Bromodichloromethane	U	22	1.0	5	22	2
10061-01-5	cis-1,3-dichloropropene	U	22	1.0	5	22	1
110-75-8	2-Chloroethylvinylether	U	22	1.0	5	22	4
108-88-3	Toluene	U	22	1.0	5	22	4
108-10-1	4-methyl-2-pentanone	U	110	1.0	25	110	19
127-18-4	Tetrachloroethene	U	22	1.0	5	22	6
10061-02-6	trans-1,3-Dichloropropene	U	22	1.0	5	22	2
124-48-1	Dibromochloromethane	U	22	1.0	5	22	2
142-28-9	1,3-Dichloropropane	U	22	1.0	5	22	2
106-93-4	1,2-Dibromoethane	U	22	1.0	5	22	2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 26-OCT-2005 19:21
Report Date: 11/07/2005
Matrix: SOIL
% Solids: 22.1

Lab ID: WV5604-7
Client ID: SD-20-SS
SDG: MID-5
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22077
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	110	1.0	25	110	18
108-90-7	Chlorobenzene	U	22	1.0	5	22	3
100-41-4	Ethylbenzene	U	22	1.0	5	22	3
630-20-6	1,1,1,2-Tetrachloroethane	U	22	1.0	5	22	2
1330-20-7	Xylenes (total)	U	68	1.0	15	68	8
	m+p-Xylenes	U	45	1.0	10	45	6
95-47-6	o-Xylene	U	22	1.0	5	22	3
100-42-5	Styrene	U	22	1.0	5	22	1
75-25-2	Bromoform	U	22	1.0	5	22	3
98-82-8	Isopropylbenzene	U	22	1.0	5	22	3
108-86-1	Bromobenzene	U	22	1.0	5	22	4
103-65-1	N-Propylbenzene	U	22	1.0	5	22	3
79-34-5	1,1,2,2-Tetrachloroethane	U	22	1.0	5	22	5
95-49-8	2-Chlorotoluene	U	22	1.0	5	22	3
96-18-4	1,2,3-Trichloropropane	U	22	1.0	5	22	3
106-43-4	4-Chlorotoluene	U	22	1.0	5	22	2
98-06-6	tert-Butylbenzene	U	22	1.0	5	22	3
95-63-6	1,2,4-Trimethylbenzene	U	22	1.0	5	22	2
99-87-6	P-Isopropyltoluene	U	22	1.0	5	22	3
541-73-1	1,3-Dichlorobenzene	U	22	1.0	5	22	1
106-46-7	1,4-Dichlorobenzene	J	2	1.0	5	22	1
104-51-8	N-Butylbenzene	U	22	1.0	5	22	3
135-98-8	sec-Butylbenzene	U	22	1.0	5	22	4
95-50-1	1,2-Dichlorobenzene	U	22	1.0	5	22	1
96-12-8	1,2-Dibromo-3-Chloropropane	U	22	1.0	5	22	4
87-68-3	Hexachlorobutadiene	U	22	1.0	5	22	4
120-82-1	1,2,4-Trichlorobenzene	BJ	14	1.0	5	22	4
526-73-8	1,2,3-Trimethylbenzene	U	22	1.0	5	22	2
91-20-3	Naphthalene	U	22	1.0	5	22	7
87-61-6	1,2,3-Trichlorobenzene	U	22	1.0	5	22	6
1868-53-7	Dibromofluoromethane		83%				
17060-07-0	1,2-Dichloroethane-D4		91%				
2037-26-5	Toluene-D8		96%				
460-00-4	P-Bromofluorobenzene		99%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-20-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Matrix: (soil/water) SOIL Lab Sample ID: WV5604-7

Sample wt/vol: 5.000(g/mL) G Lab File ID: M9822

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: not dec. 78 Date Analyzed: 10/26/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN ALCOHOL	14.91	30	J
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
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29.					
30.					

FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 26-OCT-2005 20:00
Report Date: 11/07/2005
Matrix: SOIL
% Solids: 25.2

Lab ID: WV5604-8
Client ID: SD-21-SS
SDG: MID-5
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22077
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	40	1.0	10	40	7
74-87-3	Chloromethane	U	40	1.0	10	40	4
75-01-4	Vinyl chloride	U	40	1.0	10	40	7
74-83-9	Bromomethane	U	40	1.0	10	40	8
75-00-3	Chloroethane	U	40	1.0	10	40	6
75-69-4	Trichlorofluoromethane	U	40	1.0	10	40	7
75-65-0	Tertiary-butyl alcohol	U	40	1.0	10	40	28
75-35-4	1,1-Dichloroethene	U	20	1.0	5	20	4
75-15-0	Carbon Disulfide	U	20	1.0	5	20	6
76-13-1	Freon-113	U	20	1.0	5	20	6
637-92-3	Ethyl tertiary-butyl ether	U	20	1.0	5	20	1
75-09-2	Methylene Chloride	U	20	1.0	5	20	8
67-64-1	Acetone		200	1.0	25	99	16
156-60-5	trans-1,2-Dichloroethene	U	20	1.0	5	20	4
1634-04-4	Methyl tert-butyl ether	J	8	1.0	10	40	3
108-20-3	Di-isopropyl ether	U	20	1.0	5	20	1
75-34-3	1,1-Dichloroethane	U	20	1.0	5	20	4
108-05-4	Vinyl Acetate	U	20	1.0	5	20	1.0
156-59-2	cis-1,2-Dichloroethene	U	20	1.0	5	20	3
540-59-0	1,2-Dichloroethylene (total)	U	40	1.0	10	40	6
594-20-7	2,2-Dichloropropane	U	20	1.0	5	20	6
74-97-5	Bromochloromethane	U	20	1.0	5	20	5
67-66-3	Chloroform	U	20	1.0	5	20	3
56-23-5	Carbon Tetrachloride	U	20	1.0	5	20	12
71-55-6	1,1,1-Trichloroethane	U	20	1.0	5	20	5
563-58-6	1,1-Dichloropropene	U	20	1.0	5	20	5
78-93-3	2-Butanone	U	99	1.0	25	99	12
71-43-2	Benzene	U	20	1.0	5	20	3
994-05-8	Tertiary-amyl methyl ether	U	20	1.0	5	20	2
107-06-2	1,2-Dichloroethane	U	20	1.0	5	20	2
79-01-6	Trichloroethene	U	20	1.0	5	20	3
74-95-3	Dibromomethane	U	20	1.0	5	20	2
78-87-5	1,2-Dichloropropane	U	20	1.0	5	20	3
75-27-4	Bromodichloromethane	U	20	1.0	5	20	2
10061-01-5	cis-1,3-dichloropropene	U	20	1.0	5	20	1
110-75-8	2-Chloroethylvinylether	U	20	1.0	5	20	4
108-88-3	Toluene	U	20	1.0	5	20	3
108-10-1	4-methyl-2-pentanone	U	99	1.0	25	99	17
127-18-4	Tetrachloroethene	U	20	1.0	5	20	5
10061-02-6	trans-1,3-Dichloropropene	U	20	1.0	5	20	2
124-48-1	Dibromochloromethane	U	20	1.0	5	20	2
142-28-9	1,3-Dichloropropane	U	20	1.0	5	20	1
106-93-4	1,2-Dibromoethane	U	20	1.0	5	20	2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 26-OCT-2005 20:00
Report Date: 11/07/2005
Matrix: SOIL
% Solids: 25.2

Lab ID: WV5604-8
Client ID: SD-21-SS
SDG: MID-5
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22077
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	99	1.0	25	99	16
108-90-7	Chlorobenzene	U	20	1.0	5	20	3
100-41-4	Ethylbenzene	U	20	1.0	5	20	3
630-20-6	1,1,1,2-Tetrachloroethane	U	20	1.0	5	20	2
1330-20-7	Xylenes (total)	U	59	1.0	15	59	7
	m+p-Xylenes	U	40	1.0	10	40	5
95-47-6	o-Xylene	U	20	1.0	5	20	2
100-42-5	Styrene	U	20	1.0	5	20	1
75-25-2	Bromoform	U	20	1.0	5	20	2
98-82-8	Isopropylbenzene	U	20	1.0	5	20	3
108-86-1	Bromobenzene	U	20	1.0	5	20	4
103-65-1	N-Propylbenzene	U	20	1.0	5	20	3
79-34-5	1,1,2,2-Tetrachloroethane	U	20	1.0	5	20	4
95-49-8	2-Chlorotoluene	U	20	1.0	5	20	3
96-18-4	1,2,3-Trichloropropane	U	20	1.0	5	20	3
106-43-4	4-Chlorotoluene	U	20	1.0	5	20	2
98-06-6	tert-Butylbenzene	U	20	1.0	5	20	3
95-63-6	1,2,4-Trimethylbenzene	U	20	1.0	5	20	2
99-87-6	P-Isopropyltoluene	U	20	1.0	5	20	3
541-73-1	1,3-Dichlorobenzene	U	20	1.0	5	20	1
106-46-7	1,4-Dichlorobenzene	J	1	1.0	5	20	1
104-51-8	N-Butylbenzene	U	20	1.0	5	20	3
135-98-8	sec-Butylbenzene	U	20	1.0	5	20	4
95-50-1	1,2-Dichlorobenzene	U	20	1.0	5	20	1
96-12-8	1,2-Dibromo-3-Chloropropane	U	20	1.0	5	20	3
87-68-3	Hexachlorobutadiene	U	20	1.0	5	20	3
120-82-1	1,2,4-Trichlorobenzene	BJ	12	1.0	5	20	4
526-73-8	1,2,3-Trimethylbenzene	U	20	1.0	5	20	1
91-20-3	Naphthalene	U	20	1.0	5	20	6
87-61-6	1,2,3-Trichlorobenzene	U	20	1.0	5	20	6
1868-53-7	Dibromofluoromethane		71%				
17060-07-0	1,2-Dichloroethane-D4		102%				
2037-26-5	Toluene-D8		105%				
460-00-4	P-Bromofluorobenzene		90%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-21-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Matrix: (soil/water) SOIL Lab Sample ID: WV5604-8

Sample wt/vol: 5.000(g/mL) G Lab File ID: M9823

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: not dec. 75 Date Analyzed: 10/26/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN ALCOHOL	14.91	20	J
2.					
3.					
4.					
5.					
6.					
7.					
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FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 26-OCT-2005 20:38
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 22.9

Lab ID: WV5604-9
Client ID: SD-22-SS
SDG: MID-5
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22077
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	44	1.0	10	44	8
74-87-3	Chloromethane	U	44	1.0	10	44	4
75-01-4	Vinyl chloride	U	44	1.0	10	44	8
74-83-9	Bromomethane	U	44	1.0	10	44	9
75-00-3	Chloroethane	U	44	1.0	10	44	6
75-69-4	Trichlorofluoromethane	U	44	1.0	10	44	8
75-65-0	Tertiary-butyl alcohol	U	44	1.0	10	44	30
75-35-4	1,1-Dichloroethene	U	22	1.0	5	22	4
75-15-0	Carbon Disulfide	U	22	1.0	5	22	6
76-13-1	Freon-113	U	22	1.0	5	22	7
637-92-3	Ethyl tertiary-butyl ether	U	22	1.0	5	22	1
75-09-2	Methylene Chloride	U	22	1.0	5	22	9
67-64-1	Acetone		240	1.0	25	110	18
156-60-5	trans-1,2-Dichloroethene	U	22	1.0	5	22	4
1634-04-4	Methyl tert-butyl ether	J	5	1.0	10	44	3
108-20-3	Di-isopropyl ether	U	22	1.0	5	22	2
75-34-3	1,1-Dichloroethane	U	22	1.0	5	22	5
108-05-4	Vinyl Acetate	U	22	1.0	5	22	1
156-59-2	cis-1,2-Dichloroethene	U	22	1.0	5	22	3
540-59-0	1,2-Dichloroethylene (total)	U	44	1.0	10	44	7
594-20-7	2,2-Dichloropropane	U	22	1.0	5	22	6
74-97-5	Bromochloromethane	U	22	1.0	5	22	5
67-66-3	Chloroform	U	22	1.0	5	22	4
56-23-5	Carbon Tetrachloride	U	22	1.0	5	22	13
71-55-6	1,1,1-Trichloroethane	U	22	1.0	5	22	6
563-58-6	1,1-Dichloropropene	U	22	1.0	5	22	6
78-93-3	2-Butanone	U	110	1.0	25	110	14
71-43-2	Benzene	U	22	1.0	5	22	4
994-05-8	Tertiary-amyl methyl ether	U	22	1.0	5	22	2
107-06-2	1,2-Dichloroethane	U	22	1.0	5	22	2
79-01-6	Trichloroethene	U	22	1.0	5	22	3
74-95-3	Dibromomethane	U	22	1.0	5	22	2
78-87-5	1,2-Dichloropropane	U	22	1.0	5	22	3
75-27-4	Bromodichloromethane	U	22	1.0	5	22	2
10061-01-5	cis-1,3-dichloropropene	U	22	1.0	5	22	1
110-75-8	2-Chloroethylvinylether	U	22	1.0	5	22	4
108-88-3	Toluene	U	22	1.0	5	22	4
108-10-1	4-methyl-2-pentanone	U	110	1.0	25	110	18
127-18-4	Tetrachloroethene	U	22	1.0	5	22	5
10061-02-6	trans-1,3-Dichloropropene	U	22	1.0	5	22	2
124-48-1	Dibromochloromethane	U	22	1.0	5	22	2
142-28-9	1,3-Dichloropropane	U	22	1.0	5	22	1
106-93-4	1,2-Dibromoethane	U	22	1.0	5	22	2

Sample Data Summary A0000078

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 26-OCT-2005 20:38
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 22.9

Lab ID: WV5604-9
Client ID: SD-22-SS
SDG: MID-5
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22077
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	110	1.0	25	110	18
108-90-7	Chlorobenzene	J	3	1.0	5	22	3
100-41-4	Ethylbenzene	U	22	1.0	5	22	3
630-20-6	1,1,1,2-Tetrachloroethane	U	22	1.0	5	22	2
1330-20-7	Xylenes (total)	U	65	1.0	15	65	8
	m+p-Xylenes	U	44	1.0	10	44	6
95-47-6	o-Xylene	U	22	1.0	5	22	3
100-42-5	Styrene	U	22	1.0	5	22	1
75-25-2	Bromoform	U	22	1.0	5	22	3
98-82-8	Isopropylbenzene	U	22	1.0	5	22	3
108-86-1	Bromobenzene	U	22	1.0	5	22	4
103-65-1	N-Propylbenzene	U	22	1.0	5	22	3
79-34-5	1,1,2,2-Tetrachloroethane	U	22	1.0	5	22	5
95-49-8	2-Chlorotoluene	U	22	1.0	5	22	3
96-18-4	1,2,3-Trichloropropane	U	22	1.0	5	22	3
106-43-4	4-Chlorotoluene	U	22	1.0	5	22	2
98-06-6	tert-Butylbenzene	U	22	1.0	5	22	3
95-63-6	1,2,4-Trimethylbenzene	U	22	1.0	5	22	2
99-87-6	P-Isopropyltoluene	U	22	1.0	5	22	3
541-73-1	1,3-Dichlorobenzene	J	2	1.0	5	22	1
106-46-7	1,4-Dichlorobenzene	J	3	1.0	5	22	1
104-51-8	N-Butylbenzene	U	22	1.0	5	22	3
135-98-8	sec-Butylbenzene	U	22	1.0	5	22	4
95-50-1	1,2-Dichlorobenzene	U	22	1.0	5	22	1
96-12-8	1,2-Dibromo-3-Chloropropane	U	22	1.0	5	22	3
87-68-3	Hexachlorobutadiene	U	22	1.0	5	22	3
120-82-1	1,2,4-Trichlorobenzene	JB	13	1.0	5	22	4
526-73-8	1,2,3-Trimethylbenzene	U	22	1.0	5	22	1
91-20-3	Naphthalene	U	22	1.0	5	22	7
87-61-6	1,2,3-Trichlorobenzene	U	22	1.0	5	22	6
1868-53-7	Dibromofluoromethane		58%				
17060-07-0	1,2-Dichloroethane-D4		87%				
2037-26-5	Toluene-D8		89%				
460-00-4	P-Bromofluorobenzene		62%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-22-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Matrix: (soil/water) SOIL Lab Sample ID: WV5604-9

Sample wt/vol: 5.000(g/mL) G Lab File ID: M9824

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: not dec. 77 Date Analyzed: 10/26/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN ALCOHOL	14.91	30	J
2.					
3.					
4.					
5.					
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FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 26-OCT-2005 21:17
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 23.1

Lab ID: WV5604-10
Client ID: SD-23-SS
SDG: MID-5
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22077
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	43	1.0	10	43	8
74-87-3	Chloromethane	U	43	1.0	10	43	4
75-01-4	Vinyl chloride	U	43	1.0	10	43	8
74-83-9	Bromomethane	U	43	1.0	10	43	9
75-00-3	Chloroethane	U	43	1.0	10	43	6
75-69-4	Trichlorofluoromethane	U	43	1.0	10	43	8
75-65-0	Tertiary-butyl alcohol	U	43	1.0	10	43	30
75-35-4	1,1-Dichloroethene	U	22	1.0	5	22	4
75-15-0	Carbon Disulfide	U	22	1.0	5	22	6
76-13-1	Freon-113	U	22	1.0	5	22	7
637-92-3	Ethyl tertiary-butyl ether	U	22	1.0	5	22	1
75-09-2	Methylene Chloride	U	22	1.0	5	22	9
67-64-1	Acetone		140	1.0	25	110	18
156-60-5	trans-1,2-Dichloroethene	U	22	1.0	5	22	4
1634-04-4	Methyl tert-butyl ether	J	9	1.0	10	43	3
108-20-3	Di-isopropyl ether	U	22	1.0	5	22	2
75-34-3	1,1-Dichloroethane	U	22	1.0	5	22	4
108-05-4	Vinyl Acetate	U	22	1.0	5	22	1
156-59-2	cis-1,2-Dichloroethene	U	22	1.0	5	22	3
540-59-0	1,2-Dichloroethylene (total)	U	43	1.0	10	43	7
594-20-7	2,2-Dichloropropane	U	22	1.0	5	22	6
74-97-5	Bromochloromethane	U	22	1.0	5	22	5
67-66-3	Chloroform	U	22	1.0	5	22	4
56-23-5	Carbon Tetrachloride	U	22	1.0	5	22	13
71-55-6	1,1,1-Trichloroethane	U	22	1.0	5	22	6
563-58-6	1,1-Dichloropropene	U	22	1.0	5	22	6
78-93-3	2-Butanone	U	110	1.0	25	110	14
71-43-2	Benzene	U	22	1.0	5	22	4
994-05-8	Tertiary-amyl methyl ether	U	22	1.0	5	22	2
107-06-2	1,2-Dichloroethane	U	22	1.0	5	22	2
79-01-6	Trichloroethene	U	22	1.0	5	22	3
74-95-3	Dibromomethane	U	22	1.0	5	22	2
78-87-5	1,2-Dichloropropane	U	22	1.0	5	22	3
75-27-4	Bromodichloromethane	U	22	1.0	5	22	2
10061-01-5	cis-1,3-dichloropropene	U	22	1.0	5	22	1
110-75-8	2-Chloroethylvinylether	U	22	1.0	5	22	4
108-88-3	Toluene	U	22	1.0	5	22	4
108-10-1	4-methyl-2-pentanone	U	110	1.0	25	110	18
127-18-4	Tetrachloroethene	U	22	1.0	5	22	5
10061-02-6	trans-1,3-Dichloropropene	U	22	1.0	5	22	2
124-48-1	Dibromochloromethane	U	22	1.0	5	22	2
142-28-9	1,3-Dichloropropane	U	22	1.0	5	22	1
106-93-4	1,2-Dibromoethane	U	22	1.0	5	22	2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 26-OCT-2005 21:17
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 23.1

Lab ID: WV5604-10
Client ID: SD-23-SS
SDG: MID-5
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22077
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	110	1.0	25	110	18
108-90-7	Chlorobenzene	U	22	1.0	5	22	3
100-41-4	Ethylbenzene	U	22	1.0	5	22	3
630-20-6	1,1,1,2-Tetrachloroethane	U	22	1.0	5	22	2
1330-20-7	Xylenes (total)	U	65	1.0	15	65	8
	m+p-Xylenes	U	43	1.0	10	43	6
95-47-6	o-Xylene	U	22	1.0	5	22	3
100-42-5	Styrene	U	22	1.0	5	22	1
75-25-2	Bromoform	U	22	1.0	5	22	2
98-82-8	Isopropylbenzene	U	22	1.0	5	22	3
108-86-1	Bromobenzene	U	22	1.0	5	22	4
103-65-1	N-Propylbenzene	U	22	1.0	5	22	3
79-34-5	1,1,2,2-Tetrachloroethane	U	22	1.0	5	22	5
95-49-8	2-Chlorotoluene	U	22	1.0	5	22	3
96-18-4	1,2,3-Trichloropropane	U	22	1.0	5	22	3
106-43-4	4-Chlorotoluene	U	22	1.0	5	22	2
98-06-6	tert-Butylbenzene	U	22	1.0	5	22	3
95-63-6	1,2,4-Trimethylbenzene	U	22	1.0	5	22	2
99-87-6	P-Isopropyltoluene	U	22	1.0	5	22	3
541-73-1	1,3-Dichlorobenzene	U	22	1.0	5	22	1
106-46-7	1,4-Dichlorobenzene	J	1	1.0	5	22	1
104-51-8	N-Butylbenzene	U	22	1.0	5	22	3
135-98-8	sec-Butylbenzene	U	22	1.0	5	22	4
95-50-1	1,2-Dichlorobenzene	U	22	1.0	5	22	1
96-12-8	1,2-Dibromo-3-Chloropropane	U	22	1.0	5	22	3
87-68-3	Hexachlorobutadiene	U	22	1.0	5	22	3
120-82-1	1,2,4-Trichlorobenzene	JB	13	1.0	5	22	4
526-73-8	1,2,3-Trimethylbenzene	U	22	1.0	5	22	1
91-20-3	Naphthalene	U	22	1.0	5	22	7
87-61-6	1,2,3-Trichlorobenzene	U	22	1.0	5	22	6
1868-53-7	Dibromofluoromethane		77%				
17060-07-0	1,2-Dichloroethane-D4		92%				
2037-26-5	Toluene-D8		76%				
460-00-4	P-Bromofluorobenzene		66%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-23-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Matrix: (soil/water) SOIL Lab Sample ID: WV5604-10

Sample wt/vol: 5.000(g/mL) G Lab File ID: M9825

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: not dec. 77 Date Analyzed: 10/26/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
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FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date: 10/25/05
Analysis Date: 28-OCT-2005 23:07
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 32.3

Lab ID: WV5583-2
Client ID: SD-13-01
SDG: MID-5
Extracted by: GN
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG21993
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
123-91-1	1,4-Dioxane	U	1000	1.0	330	1000	510
62-75-9	N-Nitrosodimethylamine	U	1000	1.0	330	1000	510
110-86-1	Pyridine	U	1000	1.0	330	1000	510
62-53-3	Aniline	U	1000	1.0	330	1000	510
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	1000	1.0	330	1000	95
108-95-2	Phenol	U	1000	1.0	330	1000	280
111-44-4	Bis(2-Chloroethyl)ether	U	1000	1.0	330	1000	100
95-57-8	2-Chlorophenol	U	1000	1.0	330	1000	280
541-73-1	1,3-Dichlorobenzene	U	1000	1.0	330	1000	160
106-46-7	1,4-Dichlorobenzene	J	180	1.0	330	1000	78
100-51-6	Benzyl alcohol	U	1000	1.0	330	1000	95
95-48-7	2-Methylphenol	U	1000	1.0	330	1000	420
95-50-1	1,2-Dichlorobenzene	J	260	1.0	330	1000	130
621-64-7	N-Nitroso-di-n-propylamine	U	1000	1.0	330	1000	170
106-44-5	3&4-Methylphenol	U	1000	1.0	330	1000	460
67-72-1	Hexachloroethane	U	1000	1.0	330	1000	190
98-95-3	Nitrobenzene	U	1000	1.0	330	1000	230
78-59-1	Isophorone	U	1000	1.0	330	1000	160
88-75-5	2-Nitrophenol	U	1000	1.0	330	1000	330
105-67-9	2,4-Dimethylphenol	U	1000	1.0	330	1000	360
111-91-1	Bis(2-Chloroethoxy)methane	U	1000	1.0	330	1000	160
65-85-0	Benzoic acid	U	2500	1.0	820	2500	1300
120-83-2	2,4-Dichlorophenol	U	1000	1.0	330	1000	420
120-82-1	1,2,4-Trichlorobenzene	U	1000	1.0	330	1000	140
91-20-3	Naphthalene	J	550	1.0	330	1000	200
106-47-8	4-Chloroaniline	U	1000	1.0	330	1000	160
87-68-3	Hexachlorobutadiene	U	1000	1.0	330	1000	140
59-50-7	4-Chloro-3-Methylphenol	U	1000	1.0	330	1000	370
91-57-6	2-Methylnaphthalene	J	340	1.0	330	1000	180
90-12-0	1-Methylnaphthalene	U	1000	1.0	330	1000	510
77-47-4	Hexachlorocyclopentadiene	U	1000	1.0	330	1000	230
88-06-2	2,4,6-Trichlorophenol	U	1000	1.0	330	1000	360
95-95-4	2,4,5-Trichlorophenol	U	2500	1.0	820	2500	560
91-58-7	2-Chloronaphthalene	U	1000	1.0	330	1000	150
88-74-4	2-Nitroaniline	U	2500	1.0	820	2500	230
131-11-3	Dimethyl Phthalate	U	1000	1.0	330	1000	190
606-20-2	2,6-Dinitrotoluene	U	1000	1.0	330	1000	240
208-96-8	Acenaphthylene	U	1000	1.0	330	1000	120
99-09-2	3-Nitroaniline	U	2500	1.0	820	2500	220
83-32-9	Acenaphthene	J	750	1.0	330	1000	180
51-28-5	2,4-Dinitrophenol	U	2500	1.0	820	2500	190
132-64-9	Dibenzofuran	J	400	1.0	330	1000	190
100-02-7	4-Nitrophenol	U	2500	1.0	820	2500	480

Sample Data Summary A0000180

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date: 10/25/05
Analysis Date: 28-OCT-2005 23:07
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 32.3

Lab ID: WV5583-2
Client ID: SD-13-01
SDG: MID-5
Extracted by: GN
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG21993
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
121-14-2	2,4-Dinitrotoluene	U	1000	1.0	330	1000	300
84-66-2	Diethylphthalate	U	1000	1.0	330	1000	320
86-73-7	Fluorene	J	570	1.0	330	1000	160
7005-72-3	4-Chlorophenyl-phenylether	U	1000	1.0	330	1000	160
100-01-6	4-Nitroaniline	U	2500	1.0	820	2500	270
534-52-1	4,6-Dinitro-2-Methylphenol	U	2500	1.0	820	2500	640
86-30-6	N-Nitrosodiphenylamine	U	1000	1.0	330	1000	220
103-33-3	Azobenzene	U	1000	1.0	330	1000	510
101-55-3	4-Bromophenyl-phenylether	U	1000	1.0	330	1000	170
118-74-1	Hexachlorobenzene	U	1000	1.0	330	1000	720
87-86-5	Pentachlorophenol	U	2500	1.0	820	2500	440
85-01-8	Phenanthrene		7900	1.0	330	1000	180
120-12-7	Anthracene		1600	1.0	330	1000	180
86-74-8	Carbazole	J	1000	1.0	330	1000	180
84-74-2	Di-n-butylphthalate	U	1000	1.0	330	1000	260
206-44-0	Fluoranthene		11000	1.0	330	1000	220
92-87-5	Benzidine	U	2500	1.0	820	2500	1300
129-00-0	Pyrene	E	21000	1.0	330	1000	220
85-68-7	Butylbenzylphthalate	J	830	1.0	330	1000	210
56-55-3	Benzo(a)anthracene		7600	1.0	330	1000	180
91-94-1	3,3'-Dichlorobenzidine	U	1000	1.0	330	1000	410
218-01-9	Chrysene		9300	1.0	330	1000	200
117-81-7	bis(2-Ethylhexyl)phthalate		3400	1.0	330	1000	230
117-84-0	Di-n-octylphthalate	U	1000	1.0	330	1000	230
205-99-2	Benzo(b)fluoranthene		10000	1.0	330	1000	200
207-08-9	Benzo(k)fluoranthene		4500	1.0	330	1000	180
50-32-8	Benzo(a)pyrene		7300	1.0	330	1000	140
193-39-5	Indeno(1,2,3-cd)pyrene		5600	1.0	330	1000	410
53-70-3	Dibenzo(a,h)anthracene	J	790	1.0	330	1000	440
191-24-2	Benzo(g,h,i)perylene		4800	1.0	330	1000	400
367-12-4	2-Fluorophenol		75%				
13127-88-3	Phenol-D6		88%				
4165-60-0	Nitrobenzene-D5		77%				
321-60-8	2-Fluorobiphenyl		80%				
118-79-6	2,4,6-Tribromophenol		40%				
1718-51-0	Terphenyl-D14		90%				

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-13-01

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Matrix: (soil/water) SOIL Lab Sample ID: WV5583-2

Sample wt/vol: 0.030(Kg/mL) KG Lab File ID: X9002

Level: (low/med) LOW Date Received: 10/21/05

% Moisture: 68 decanted: (Y/N) N Date Extracted:10/25/05

Concentrated Extract Volume: 0.001(L) Date Analyzed: 10/28/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 30

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	5.24	2000	JB
2.		UNKNOWN ALKANE	7.14	900	J
3.		UNKNOWN ALKANE	7.24	900	J
4.		UNKNOWN CYCLOALKANE	7.63	1000	J
5.		UNKNOWN CYCLOALKANE	7.93	1000	J
6.		UNKNOWN CYCLOALKANE	8.15	1000	J
7.		UNKNOWN CYCLOALKANE	8.35	900	J
8.		UNKNOWN ALKANE	8.80	900	J
9.		UNKNOWN	8.87	2000	J
10.		UNKNOWN ALKANE	9.08	800	J
11.		UNKNOWN ALKANE	9.32	900	J
12.		UNKNOWN	9.76	1000	J
13.		UNKNOWN CYCLOALKANE	10.11	1000	J
14.	2958-76-1	NAPHTHALENE, DECAHYDRO-2-MET	10.42	1000	NJ
15.	2958-76-1	NAPHTHALENE, DECAHYDRO-2-MET	10.68	700	NJ
16.		UNKNOWN	11.32	600	J
17.		UNKNOWN	11.69	1000	J
18.		UNKNOWN ALKANE	11.90	800	J
19.		UNKNOWN CYCLOALKANE	12.65	600	J
20.		UNKNOWN ALKANE	12.77	1000	J
21.		UNKNOWN ALKANE	13.39	800	J
22.		UNKNOWN ALKANE	13.63	1000	J
23.		UNKNOWN	14.05	700	J
24.		UNKNOWN ALKANE	14.20	1000	J
25.		UNKNOWN	14.97	1000	J
26.		UNKNOWN ALKANE	15.30	2000	J
27.		UNKNOWN	15.46	2000	J
28.		UNKNOWN ALKANE	18.20	5000	J
29.		C15H10 ISOMER	20.61	5000	J
30.	84-65-1	9,10-ANTHRACENEDIONE	21.15	10000	NJ

FORM I SV-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date: 10/25/05
Analysis Date: 31-OCT-2005 04:06
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 32.3

Lab ID: WV5583-2DL
Client ID: SD-13-01
SDG: MID-5
Extracted by: GN
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG21993
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
123-91-1	1,4-Dioxane	U	2000	2.0	330	2000	1000
62-75-9	N-Nitrosodimethylamine	U	2000	2.0	330	2000	1000
110-86-1	Pyridine	U	2000	2.0	330	2000	1000
62-53-3	Aniline	U	2000	2.0	330	2000	1000
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	2000	2.0	330	2000	190
108-95-2	Phenol	U	2000	2.0	330	2000	560
111-44-4	Bis(2-Chloroethyl)ether	U	2000	2.0	330	2000	200
95-57-8	2-Chlorophenol	U	2000	2.0	330	2000	560
541-73-1	1,3-Dichlorobenzene	U	2000	2.0	330	2000	330
106-46-7	1,4-Dichlorobenzene	J	170	2.0	330	2000	160
100-51-6	Benzyl alcohol	U	2000	2.0	330	2000	190
95-48-7	2-Methylphenol	U	2000	2.0	330	2000	840
95-50-1	1,2-Dichlorobenzene	U	2000	2.0	330	2000	260
621-64-7	N-Nitroso-di-n-propylamine	U	2000	2.0	330	2000	350
106-44-5	3&4-Methylphenol	U	2000	2.0	330	2000	930
67-72-1	Hexachloroethane	U	2000	2.0	330	2000	380
98-95-3	Nitrobenzene	U	2000	2.0	330	2000	460
78-59-1	Isophorone	U	2000	2.0	330	2000	320
88-75-5	2-Nitrophenol	U	2000	2.0	330	2000	660
105-67-9	2,4-Dimethylphenol	U	2000	2.0	330	2000	730
111-91-1	Bis(2-Chloroethoxy)methane	U	2000	2.0	330	2000	320
65-85-0	Benzoic acid	U	5100	2.0	820	5100	2500
120-83-2	2,4-Dichlorophenol	U	2000	2.0	330	2000	830
120-82-1	1,2,4-Trichlorobenzene	U	2000	2.0	330	2000	270
91-20-3	Naphthalene	J	520	2.0	330	2000	390
106-47-8	4-Chloroaniline	U	2000	2.0	330	2000	330
87-68-3	Hexachlorobutadiene	U	2000	2.0	330	2000	270
59-50-7	4-Chloro-3-Methylphenol	U	2000	2.0	330	2000	730
91-57-6	2-Methylnaphthalene	J	360	2.0	330	2000	350
90-12-0	1-Methylnaphthalene	U	2000	2.0	330	2000	1000
77-47-4	Hexachlorocyclopentadiene	U	2000	2.0	330	2000	460
88-06-2	2,4,6-Trichlorophenol	U	2000	2.0	330	2000	730
95-95-4	2,4,5-Trichlorophenol	U	5100	2.0	820	5100	1100
91-58-7	2-Chloronaphthalene	U	2000	2.0	330	2000	300
88-74-4	2-Nitroaniline	U	5100	2.0	820	5100	460
131-11-3	Dimethyl Phthalate	U	2000	2.0	330	2000	390
606-20-2	2,6-Dinitrotoluene	U	2000	2.0	330	2000	480
208-96-8	Acenaphthylene	U	2000	2.0	330	2000	250
99-09-2	3-Nitroaniline	U	5100	2.0	820	5100	440
83-32-9	Acenaphthene	J	700	2.0	330	2000	370
51-28-5	2,4-Dinitrophenol	U	5100	2.0	820	5100	380
132-64-9	Dibenzofuran	J	410	2.0	330	2000	380
100-02-7	4-Nitrophenol	U	5100	2.0	820	5100	960

Sample Data Summary A0000183

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date: 10/25/05
Analysis Date: 31-OCT-2005 04:06
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 32.3

Lab ID: WV5583-2DL
Client ID: SD-13-01
SDG: MID-5
Extracted by: GN
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG21993
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
121-14-2	2,4-Dinitrotoluene	U	2000	2.0	330	2000	600
84-66-2	Diethylphthalate	U	2000	2.0	330	2000	640
86-73-7	Fluorene	J	660	2.0	330	2000	330
7005-72-3	4-Chlorophenyl-phenylether	U	2000	2.0	330	2000	310
100-01-6	4-Nitroaniline	U	5100	2.0	820	5100	530
534-52-1	4,6-Dinitro-2-Methylphenol	U	5100	2.0	820	5100	1300
86-30-6	N-Nitrosodiphenylamine	U	2000	2.0	330	2000	450
103-33-3	Azobenzene	U	2000	2.0	330	2000	1000
101-55-3	4-Bromophenyl-phenylether	U	2000	2.0	330	2000	340
118-74-1	Hexachlorobenzene	U	2000	2.0	330	2000	1400
87-86-5	Pentachlorophenol	U	5100	2.0	820	5100	870
85-01-8	Phenanthrene		7800	2.0	330	2000	360
120-12-7	Anthracene	J	1500	2.0	330	2000	360
86-74-8	Carbazole	J	1000	2.0	330	2000	370
84-74-2	Di-n-butylphthalate	U	2000	2.0	330	2000	520
206-44-0	Fluoranthene		11000	2.0	330	2000	440
92-87-5	Benzidine	U	5100	2.0	820	5100	2500
129-00-0	Pyrene		24000	2.0	330	2000	450
85-68-7	Butylbenzylphthalate	J	1200	2.0	330	2000	420
56-55-3	Benzo(a)anthracene		7200	2.0	330	2000	360
91-94-1	3,3'-Dichlorobenzidine	U	2000	2.0	330	2000	830
218-01-9	Chrysene		9100	2.0	330	2000	410
117-81-7	bis(2-Ethylhexyl)phthalate		3500	2.0	330	2000	460
117-84-0	Di-n-octylphthalate	U	2000	2.0	330	2000	460
205-99-2	Benzo(b)fluoranthene		10000	2.0	330	2000	400
207-08-9	Benzo(k)fluoranthene		4400	2.0	330	2000	360
50-32-8	Benzo(a)pyrene		7400	2.0	330	2000	280
193-39-5	Indeno(1,2,3-cd)pyrene		6900	2.0	330	2000	820
53-70-3	Dibenzo(a,h)anthracene	J	1200	2.0	330	2000	870
191-24-2	Benzo(g,h,i)perylene		5300	2.0	330	2000	800
367-12-4	2-Fluorophenol		80%				
13127-88-3	Phenol-D6		77%				
4165-60-0	Nitrobenzene-D5		70%				
321-60-8	2-Fluorobiphenyl		76%				
118-79-6	2,4,6-Tribromophenol		49%				
1718-51-0	Terphenyl-D14		101%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date: 10/25/05
Analysis Date: 28-OCT-2005 23:51
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 41.2

Lab ID: WV5583-3
Client ID: SD-13-02
SDG: MID-5
Extracted by: GN
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG21993
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
123-91-1	1,4-Dioxane	U	800	1.0	330	800	400
62-75-9	N-Nitrosodimethylamine	U	800	1.0	330	800	400
110-86-1	Pyridine	U	800	1.0	330	800	400
62-53-3	Aniline	U	800	1.0	330	800	400
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	800	1.0	330	800	74
108-95-2	Phenol	U	800	1.0	330	800	220
111-44-4	Bis(2-Chloroethyl)ether	U	800	1.0	330	800	80
95-57-8	2-Chlorophenol	U	800	1.0	330	800	220
541-73-1	1,3-Dichlorobenzene	U	800	1.0	330	800	130
106-46-7	1,4-Dichlorobenzene	U	800	1.0	330	800	61
100-51-6	Benzyl alcohol	U	800	1.0	330	800	74
95-48-7	2-Methylphenol	U	800	1.0	330	800	330
95-50-1	1,2-Dichlorobenzene	U	800	1.0	330	800	100
621-64-7	N-Nitroso-di-n-propylamine	U	800	1.0	330	800	140
106-44-5	3&4-Methylphenol	U	800	1.0	330	800	360
67-72-1	Hexachloroethane	U	800	1.0	330	800	150
98-95-3	Nitrobenzene	U	800	1.0	330	800	180
78-59-1	Isophorone	U	800	1.0	330	800	130
88-75-5	2-Nitrophenol	U	800	1.0	330	800	260
105-67-9	2,4-Dimethylphenol	U	800	1.0	330	800	280
111-91-1	Bis(2-Chloroethoxy)methane	U	800	1.0	330	800	130
65-85-0	Benzoic acid	U	2000	1.0	820	2000	1000
120-83-2	2,4-Dichlorophenol	U	800	1.0	330	800	320
120-82-1	1,2,4-Trichlorobenzene	U	800	1.0	330	800	110
91-20-3	Naphthalene		860	1.0	330	800	150
106-47-8	4-Chloroaniline	U	800	1.0	330	800	130
87-68-3	Hexachlorobutadiene	U	800	1.0	330	800	100
59-50-7	4-Chloro-3-Methylphenol	U	800	1.0	330	800	290
91-57-6	2-Methylnaphthalene	J	520	1.0	330	800	140
90-12-0	1-Methylnaphthalene	U	800	1.0	330	800	400
77-47-4	Hexachlorocyclopentadiene	U	800	1.0	330	800	180
88-06-2	2,4,6-Trichlorophenol	U	800	1.0	330	800	280
95-95-4	2,4,5-Trichlorophenol	U	2000	1.0	820	2000	440
91-58-7	2-Chloronaphthalene	U	800	1.0	330	800	120
88-74-4	2-Nitroaniline	U	2000	1.0	820	2000	180
131-11-3	Dimethyl Phthalate	U	800	1.0	330	800	150
606-20-2	2,6-Dinitrotoluene	U	800	1.0	330	800	190
208-96-8	Acenaphthylene	J	110	1.0	330	800	98
99-09-2	3-Nitroaniline	U	2000	1.0	820	2000	170
83-32-9	Acenaphthene	J	600	1.0	330	800	140
51-28-5	2,4-Dinitrophenol	U	2000	1.0	820	2000	150
132-64-9	Dibenzofuran	J	330	1.0	330	800	150
100-02-7	4-Nitrophenol	U	2000	1.0	820	2000	380

Sample Data Summary A0000185

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date: 10/25/05
Analysis Date: 28-OCT-2005 23:51
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 41.2

Lab ID: WV5583-3
Client ID: SD-13-02
SDG: MID-5
Extracted by: GN
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG21993
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
121-14-2	2,4-Dinitrotoluene	U	800	1.0	330	800	240
84-66-2	Diethylphthalate	U	800	1.0	330	800	250
86-73-7	Fluorene		920	1.0	330	800	130
7005-72-3	4-Chlorophenyl-phenylether	U	800	1.0	330	800	120
100-01-6	4-Nitroaniline	U	2000	1.0	820	2000	210
534-52-1	4,6-Dinitro-2-Methylphenol	U	2000	1.0	820	2000	500
86-30-6	N-Nitrosodiphenylamine	U	800	1.0	330	800	170
103-33-3	Azobenzene	U	800	1.0	330	800	400
101-55-3	4-Bromophenyl-phenylether	U	800	1.0	330	800	140
118-74-1	Hexachlorobenzene	U	800	1.0	330	800	560
87-86-5	Pentachlorophenol	U	2000	1.0	820	2000	340
85-01-8	Phenanthrene		6200	1.0	330	800	140
120-12-7	Anthracene		1400	1.0	330	800	140
86-74-8	Carbazole	J	400	1.0	330	800	140
84-74-2	Di-n-butylphthalate	U	800	1.0	330	800	200
206-44-0	Fluoranthene		9700	1.0	330	800	170
92-87-5	Benzidine	U	2000	1.0	820	2000	1000
129-00-0	Pyrene	E	19000	1.0	330	800	170
85-68-7	Butylbenzylphthalate	U	800	1.0	330	800	160
56-55-3	Benzo(a)anthracene		5800	1.0	330	800	140
91-94-1	3,3'-Dichlorobenzidine	U	800	1.0	330	800	320
218-01-9	Chrysene		8900	1.0	330	800	160
117-81-7	bis(2-Ethylhexyl)phthalate	J	350	1.0	330	800	180
117-84-0	Di-n-octylphthalate	U	800	1.0	330	800	180
205-99-2	Benzo(b)fluoranthene		8400	1.0	330	800	160
207-08-9	Benzo(k)fluoranthene		3400	1.0	330	800	140
50-32-8	Benzo(a)pyrene		6000	1.0	330	800	110
193-39-5	Indeno(1,2,3-cd)pyrene		4000	1.0	330	800	320
53-70-3	Dibenzo(a,h)anthracene		1100	1.0	330	800	340
191-24-2	Benzo(g,h,i)perylene		3900	1.0	330	800	310
367-12-4	2-Fluorophenol		110%				
13127-88-3	Phenol-D6		*125%				
4165-60-0	Nitrobenzene-D5		121%				
321-60-8	2-Fluorobiphenyl		106%				
118-79-6	2,4,6-Tribromophenol		58%				
1718-51-0	Terphenyl-D14		92%				

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-13-02

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Matrix: (soil/water) SOIL Lab Sample ID: WV5583-3

Sample wt/vol: 0.030(Kg/mL) KG Lab File ID: X9003

Level: (low/med) LOW Date Received: 10/21/05

% Moisture: 59 decanted: (Y/N) N Date Extracted:10/25/05

Concentrated Extract Volume: 0.001(L) Date Analyzed: 10/28/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 30

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	5.25	900	JB
2.		UNKNOWN ALKANE	7.15	2000	J
3.		UNKNOWN ALKANE	7.26	2000	J
4.		UNKNOWN CYCLOALKANE	7.64	1000	J
5.		UNKNOWN CYCLOALKANE	7.92	2000	J
6.		UNKNOWN ALKANE	8.15	1000	J
7.		UNKNOWN ALKANE	8.37	1000	J
8.		UNKNOWN	8.88	2000	J
9.		UNKNOWN ALKANE	9.04	2000	J
10.		UNKNOWN ALKANE	9.11	1000	J
11.		UNKNOWN ALKANE	9.30	1000	J
12.	493-02-7	NAPHTHALENE, DECAHYDRO-, TRA	9.49	2000	NJ
13.		UNKNOWN ALKANE	9.68	900	J
14.		UNKNOWN	9.78	2000	J
15.		UNKNOWN	10.00	1000	J
16.		UNKNOWN CYCLOALKANE	10.13	4000	J
17.		UNKNOWN	10.24	2000	J
18.		UNKNOWN	10.32	2000	J
19.	2958-76-1	NAPHTHALENE, DECAHYDRO-2-MET	10.44	2000	NJ
20.		UNKNOWN ALKANE	10.58	1000	J
21.	2958-76-1	NAPHTHALENE, DECAHYDRO-2-MET	10.70	3000	NJ
22.		UNKNOWN ALKANE	10.82	1000	J
23.		UNKNOWN	11.33	2000	J
24.		UNKNOWN	11.70	2000	J
25.		UNKNOWN ALKANE	12.77	1000	J
26.		UNKNOWN CYCLOALKANE	13.82	3000	J
27.		UNKNOWN ALKANE	14.20	3000	J
28.	0-00-0	DECAHYDRO-4,4,8,9,10-PENTAME	14.98	2000	NJ
29.	0-00-0	DECAHYDRO-4,4,8,9,10-PENTAME	15.47	4000	NJ
30.		UNKNOWN ALKANE	18.20	9000	J

FORM I SV-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date: 10/25/05
Analysis Date: 31-OCT-2005 04:51
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 41.2

Lab ID: WV5583-3DL
Client ID: SD-13-02
SDG: MID-5
Extracted by: GN
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG21993
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
123-91-1	1,4-Dioxane	U	2400	3.0	330	2400	1200
62-75-9	N-Nitrosodimethylamine	U	2400	3.0	330	2400	1200
110-86-1	Pyridine	U	2400	3.0	330	2400	1200
62-53-3	Aniline	U	2400	3.0	330	2400	1200
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	2400	3.0	330	2400	220
108-95-2	Phenol	U	2400	3.0	330	2400	660
111-44-4	Bis(2-Chloroethyl)ether	U	2400	3.0	330	2400	240
95-57-8	2-Chlorophenol	U	2400	3.0	330	2400	660
541-73-1	1,3-Dichlorobenzene	U	2400	3.0	330	2400	380
106-46-7	1,4-Dichlorobenzene	U	2400	3.0	330	2400	180
100-51-6	Benzyl alcohol	U	2400	3.0	330	2400	220
95-48-7	2-Methylphenol	U	2400	3.0	330	2400	990
95-50-1	1,2-Dichlorobenzene	U	2400	3.0	330	2400	310
621-64-7	N-Nitroso-di-n-propylamine	U	2400	3.0	330	2400	410
106-44-5	3&4-Methylphenol	U	2400	3.0	330	2400	1100
67-72-1	Hexachloroethane	U	2400	3.0	330	2400	440
98-95-3	Nitrobenzene	U	2400	3.0	330	2400	540
78-59-1	Isophorone	U	2400	3.0	330	2400	380
88-75-5	2-Nitrophenol	U	2400	3.0	330	2400	780
105-67-9	2,4-Dimethylphenol	U	2400	3.0	330	2400	850
111-91-1	Bis(2-Chloroethoxy)methane	U	2400	3.0	330	2400	380
65-85-0	Benzoic acid	U	6000	3.0	820	6000	3000
120-83-2	2,4-Dichlorophenol	U	2400	3.0	330	2400	980
120-82-1	1,2,4-Trichlorobenzene	U	2400	3.0	330	2400	320
91-20-3	Naphthalene	J	790	3.0	330	2400	460
106-47-8	4-Chloroaniline	U	2400	3.0	330	2400	390
87-68-3	Hexachlorobutadiene	U	2400	3.0	330	2400	320
59-50-7	4-Chloro-3-Methylphenol	U	2400	3.0	330	2400	860
91-57-6	2-Methylnaphthalene	J	500	3.0	330	2400	410
90-12-0	1-Methylnaphthalene	U	2400	3.0	330	2400	1200
77-47-4	Hexachlorocyclopentadiene	U	2400	3.0	330	2400	550
88-06-2	2,4,6-Trichlorophenol	U	2400	3.0	330	2400	850
95-95-4	2,4,5-Trichlorophenol	U	6000	3.0	820	6000	1300
91-58-7	2-Chloronaphthalene	U	2400	3.0	330	2400	350
88-74-4	2-Nitroaniline	U	6000	3.0	820	6000	550
131-11-3	Dimethyl Phthalate	U	2400	3.0	330	2400	450
606-20-2	2,6-Dinitrotoluene	U	2400	3.0	330	2400	560
208-96-8	Acenaphthylene	U	2400	3.0	330	2400	290
99-09-2	3-Nitroaniline	U	6000	3.0	820	6000	520
83-32-9	Acenaphthene	J	520	3.0	330	2400	430
51-28-5	2,4-Dinitrophenol	U	6000	3.0	820	6000	450
132-64-9	Dibenzofuran	U	2400	3.0	330	2400	450
100-02-7	4-Nitrophenol	U	6000	3.0	820	6000	1100

Sample Data Summary A0000188

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date: 10/25/05
Analysis Date: 31-OCT-2005 04:51
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 41.2

Lab ID: WV5583-3DL
Client ID: SD-13-02
SDG: MID-5
Extracted by: GN
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG21993
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
121-14-2	2,4-Dinitrotoluene	U	2400	3.0	330	2400	710
84-66-2	Diethylphthalate	U	2400	3.0	330	2400	750
86-73-7	Fluorene	J	920	3.0	330	2400	380
7005-72-3	4-Chlorophenyl-phenylether	U	2400	3.0	330	2400	370
100-01-6	4-Nitroaniline	U	6000	3.0	820	6000	630
534-52-1	4,6-Dinitro-2-Methylphenol	U	6000	3.0	820	6000	1500
86-30-6	N-Nitrosodiphenylamine	U	2400	3.0	330	2400	520
103-33-3	Azobenzene	U	2400	3.0	330	2400	1200
101-55-3	4-Bromophenyl-phenylether	U	2400	3.0	330	2400	400
118-74-1	Hexachlorobenzene	U	2400	3.0	330	2400	1700
87-86-5	Pentachlorophenol	U	6000	3.0	820	6000	1000
85-01-8	Phenanthrene		5800	3.0	330	2400	420
120-12-7	Anthracene	J	1400	3.0	330	2400	420
86-74-8	Carbazole	U	2400	3.0	330	2400	440
84-74-2	Di-n-butylphthalate	U	2400	3.0	330	2400	610
206-44-0	Fluoranthene		8600	3.0	330	2400	520
92-87-5	Benzidine	U	6000	3.0	820	6000	3000
129-00-0	Pyrene		24000	3.0	330	2400	520
85-68-7	Butylbenzylphthalate	U	2400	3.0	330	2400	500
56-55-3	Benzo(a)anthracene		5700	3.0	330	2400	430
91-94-1	3,3'-Dichlorobenzidine	U	2400	3.0	330	2400	970
218-01-9	Chrysene		8400	3.0	330	2400	480
117-81-7	bis(2-Ethylhexyl)phthalate	U	2400	3.0	330	2400	540
117-84-0	Di-n-octylphthalate	U	2400	3.0	330	2400	540
205-99-2	Benzo(b)fluoranthene		8200	3.0	330	2400	470
207-08-9	Benzo(k)fluoranthene		3300	3.0	330	2400	430
50-32-8	Benzo(a)pyrene		6100	3.0	330	2400	330
193-39-5	Indeno(1,2,3-cd)pyrene		3900	3.0	330	2400	970
53-70-3	Dibenzo(a,h)anthracene	U	2400	3.0	330	2400	1000
191-24-2	Benzo(g,h,i)perylene		4900	3.0	330	2400	940
367-12-4	2-Fluorophenol		91%				
13127-88-3	Phenol-D6		103%				
4165-60-0	Nitrobenzene-D5		96%				
321-60-8	2-Fluorobiphenyl		97%				
118-79-6	2,4,6-Tribromophenol		66%				
1718-51-0	Terphenyl-D14		*119%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date: 10/25/05
Analysis Date: 28-OCT-2005 22:23
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 25.6

Lab ID: WV5583-1
Client ID: SD-13-SS
SDG: MID-5
Extracted by: GN
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG21993
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
123-91-1	1,4-Dioxane	U	1300	1.0	330	1300	640
62-75-9	N-Nitrosodimethylamine	U	1300	1.0	330	1300	640
110-86-1	Pyridine	U	1300	1.0	330	1300	640
62-53-3	Aniline	U	1300	1.0	330	1300	640
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	1300	1.0	330	1300	120
108-95-2	Phenol	U	1300	1.0	330	1300	360
111-44-4	Bis(2-Chloroethyl)ether	U	1300	1.0	330	1300	130
95-57-8	2-Chlorophenol	U	1300	1.0	330	1300	350
541-73-1	1,3-Dichlorobenzene	U	1300	1.0	330	1300	200
106-46-7	1,4-Dichlorobenzene	J	230	1.0	330	1300	98
100-51-6	Benzyl alcohol	U	1300	1.0	330	1300	120
95-48-7	2-Methylphenol	U	1300	1.0	330	1300	530
95-50-1	1,2-Dichlorobenzene	U	1300	1.0	330	1300	170
621-64-7	N-Nitroso-di-n-propylamine	U	1300	1.0	330	1300	220
106-44-5	3&4-Methylphenol	U	1300	1.0	330	1300	580
67-72-1	Hexachloroethane	U	1300	1.0	330	1300	240
98-95-3	Nitrobenzene	U	1300	1.0	330	1300	290
78-59-1	Isophorone	U	1300	1.0	330	1300	200
88-75-5	2-Nitrophenol	U	1300	1.0	330	1300	420
105-67-9	2,4-Dimethylphenol	U	1300	1.0	330	1300	460
111-91-1	Bis(2-Chloroethoxy)methane	U	1300	1.0	330	1300	200
65-85-0	Benzoic acid	U	3200	1.0	820	3200	1600
120-83-2	2,4-Dichlorophenol	U	1300	1.0	330	1300	520
120-82-1	1,2,4-Trichlorobenzene	U	1300	1.0	330	1300	170
91-20-3	Naphthalene	J	250	1.0	330	1300	250
106-47-8	4-Chloroaniline	U	1300	1.0	330	1300	210
87-68-3	Hexachlorobutadiene	U	1300	1.0	330	1300	170
59-50-7	4-Chloro-3-Methylphenol	U	1300	1.0	330	1300	460
91-57-6	2-Methylnaphthalene	U	1300	1.0	330	1300	220
90-12-0	1-Methylnaphthalene	U	1300	1.0	330	1300	640
77-47-4	Hexachlorocyclopentadiene	U	1300	1.0	330	1300	290
88-06-2	2,4,6-Trichlorophenol	U	1300	1.0	330	1300	460
95-95-4	2,4,5-Trichlorophenol	U	3200	1.0	820	3200	700
91-58-7	2-Chloronaphthalene	U	1300	1.0	330	1300	190
88-74-4	2-Nitroaniline	U	3200	1.0	820	3200	290
131-11-3	Dimethyl Phthalate	U	1300	1.0	330	1300	240
606-20-2	2,6-Dinitrotoluene	U	1300	1.0	330	1300	300
208-96-8	Acenaphthylene	U	1300	1.0	330	1300	160
99-09-2	3-Nitroaniline	U	3200	1.0	820	3200	280
83-32-9	Acenaphthene	U	1300	1.0	330	1300	230
51-28-5	2,4-Dinitrophenol	U	3200	1.0	820	3200	240
132-64-9	Dibenzofuran	U	1300	1.0	330	1300	240
100-02-7	4-Nitrophenol	U	3200	1.0	820	3200	600

Sample Data Summary A0000177

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date: 10/25/05
Analysis Date: 28-OCT-2005 22:23
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 25.6

Lab ID: WV5583-1
Client ID: SD-13-SS
SDG: MID-5
Extracted by: GN
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG21993
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
121-14-2	2,4-Dinitrotoluene	U	1300	1.0	330	1300	380
84-66-2	Diethylphthalate	U	1300	1.0	330	1300	400
86-73-7	Fluorene	U	1300	1.0	330	1300	200
7005-72-3	4-Chlorophenyl-phenylether	U	1300	1.0	330	1300	200
100-01-6	4-Nitroaniline	U	3200	1.0	820	3200	340
534-52-1	4,6-Dinitro-2-Methylphenol	U	3200	1.0	820	3200	810
86-30-6	N-Nitrosodiphenylamine	U	1300	1.0	330	1300	280
103-33-3	Azobenzene	U	1300	1.0	330	1300	640
101-55-3	4-Bromophenyl-phenylether	U	1300	1.0	330	1300	220
118-74-1	Hexachlorobenzene	U	1300	1.0	330	1300	910
87-86-5	Pentachlorophenol	U	3200	1.0	820	3200	550
85-01-8	Phenanthrene		1500	1.0	330	1300	220
120-12-7	Anthracene	J	310	1.0	330	1300	230
86-74-8	Carbazole	U	1300	1.0	330	1300	230
84-74-2	Di-n-butylphthalate	U	1300	1.0	330	1300	330
206-44-0	Fluoranthene		4200	1.0	330	1300	280
92-87-5	Benzidine	U	3200	1.0	820	3200	1600
129-00-0	Pyrene		6800	1.0	330	1300	280
85-68-7	Butylbenzylphthalate	U	1300	1.0	330	1300	260
56-55-3	Benzo(a)anthracene		2000	1.0	330	1300	230
91-94-1	3,3'-Dichlorobenzidine	U	1300	1.0	330	1300	520
218-01-9	Chrysene		3000	1.0	330	1300	260
117-81-7	bis(2-Ethylhexyl)phthalate		1400	1.0	330	1300	290
117-84-0	Di-n-octylphthalate	U	1300	1.0	330	1300	290
205-99-2	Benzo(b)fluoranthene		3700	1.0	330	1300	250
207-08-9	Benzo(k)fluoranthene		1800	1.0	330	1300	230
50-32-8	Benzo(a)pyrene		2500	1.0	330	1300	180
193-39-5	Indeno(1,2,3-cd)pyrene		2000	1.0	330	1300	520
53-70-3	Dibenzo(a,h)anthracene	U	1300	1.0	330	1300	550
191-24-2	Benzo(g,h,i)perylene		2000	1.0	330	1300	500
367-12-4	2-Fluorophenol		81%				
13127-88-3	Phenol-D6		89%				
4165-60-0	Nitrobenzene-D5		73%				
321-60-8	2-Fluorobiphenyl		71%				
118-79-6	2,4,6-Tribromophenol		51%				
1718-51-0	Terphenyl-D14		* 72%				

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-13-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Matrix: (soil/water) SOIL Lab Sample ID: WV5583-1

Sample wt/vol: 0.030(Kg/mL) KG Lab File ID: X9001

Level: (low/med) LOW Date Received: 10/21/05

% Moisture: 74 decanted: (Y/N) N Date Extracted:10/25/05

Concentrated Extract Volume: 0.001(L) Date Analyzed: 10/28/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 10

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	3.54	900	J
2.		UNKNOWN	5.25	4000	JB
3.		UNKNOWN	5.83	600	J
4.	108-94-1	CYCLOHEXANONE	6.37	1000	NJ
5.		UNKNOWN	8.42	600	J
6.	24324-17-2	FLUORENE-9-METHANOL	16.94	500	NJ
7.		UNKNOWN ALKANE	18.16	600	J
8.	17233-71-5	HEXATHIEPANE	18.68	1000	NJ
9.		UNKNOWN	22.29	3000	JB
10.		C17H12 ISOMER	23.56	1000	J
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I SV-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date: 10/25/05
Analysis Date: 28-OCT-2005 20:09
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 46.3

Lab ID: WV5583-5
Client ID: SD-14-01
SDG: MID-5
Extracted by: GN
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG21993
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
123-91-1	1,4-Dioxane	U	710	1.0	330	710	360
62-75-9	N-Nitrosodimethylamine	U	710	1.0	330	710	360
110-86-1	Pyridine	U	710	1.0	330	710	360
62-53-3	Aniline	U	710	1.0	330	710	360
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	710	1.0	330	710	66
108-95-2	Phenol	U	710	1.0	330	710	200
111-44-4	Bis(2-Chloroethyl)ether	U	710	1.0	330	710	71
95-57-8	2-Chlorophenol	U	710	1.0	330	710	190
541-73-1	1,3-Dichlorobenzene	U	710	1.0	330	710	110
106-46-7	1,4-Dichlorobenzene	U	710	1.0	330	710	54
100-51-6	Benzyl alcohol	U	710	1.0	330	710	66
95-48-7	2-Methylphenol	U	710	1.0	330	710	290
95-50-1	1,2-Dichlorobenzene	U	710	1.0	330	710	92
621-64-7	N-Nitroso-di-n-propylamine	U	710	1.0	330	710	120
106-44-5	3&4-Methylphenol	U	710	1.0	330	710	320
67-72-1	Hexachloroethane	U	710	1.0	330	710	130
98-95-3	Nitrobenzene	U	710	1.0	330	710	160
78-59-1	Isophorone	U	710	1.0	330	710	110
88-75-5	2-Nitrophenol	U	710	1.0	330	710	230
105-67-9	2,4-Dimethylphenol	U	710	1.0	330	710	250
111-91-1	Bis(2-Chloroethoxy)methane	U	710	1.0	330	710	110
65-85-0	Benzoic acid	U	1800	1.0	820	1800	890
120-83-2	2,4-Dichlorophenol	U	710	1.0	330	710	290
120-82-1	1,2,4-Trichlorobenzene	U	710	1.0	330	710	94
91-20-3	Naphthalene	U	710	1.0	330	710	140
106-47-8	4-Chloroaniline	U	710	1.0	330	710	120
87-68-3	Hexachlorobutadiene	U	710	1.0	330	710	94
59-50-7	4-Chloro-3-Methylphenol	U	710	1.0	330	710	260
91-57-6	2-Methylnaphthalene	U	710	1.0	330	710	120
90-12-0	1-Methylnaphthalene	U	710	1.0	330	710	360
77-47-4	Hexachlorocyclopentadiene	U	710	1.0	330	710	160
88-06-2	2,4,6-Trichlorophenol	U	710	1.0	330	710	250
95-95-4	2,4,5-Trichlorophenol	U	1800	1.0	820	1800	390
91-58-7	2-Chloronaphthalene	U	710	1.0	330	710	100
88-74-4	2-Nitroaniline	U	1800	1.0	820	1800	160
131-11-3	Dimethyl Phthalate	U	710	1.0	330	710	130
606-20-2	2,6-Dinitrotoluene	U	710	1.0	330	710	170
208-96-8	Acenaphthylene	U	710	1.0	330	710	87
99-09-2	3-Nitroaniline	U	1800	1.0	820	1800	150
83-32-9	Acenaphthene	U	710	1.0	330	710	130
51-28-5	2,4-Dinitrophenol	U	1800	1.0	820	1800	130
132-64-9	Dibenzofuran	U	710	1.0	330	710	130
100-02-7	4-Nitrophenol	U	1800	1.0	820	1800	340

Sample Data Summary A0000193

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date: 10/25/05
Analysis Date: 28-OCT-2005 20:09
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 46.3

Lab ID: WV5583-5
Client ID: SD-14-01
SDG: MID-5
Extracted by: GN
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG21993
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
121-14-2	2,4-Dinitrotoluene	U	710	1.0	330	710	210
84-66-2	Diethylphthalate	U	710	1.0	330	710	220
86-73-7	Fluorene	U	710	1.0	330	710	110
7005-72-3	4-Chlorophenyl-phenylether	U	710	1.0	330	710	110
100-01-6	4-Nitroaniline	U	1800	1.0	820	1800	180
534-52-1	4,6-Dinitro-2-Methylphenol	U	1800	1.0	820	1800	450
86-30-6	N-Nitrosodiphenylamine	U	710	1.0	330	710	160
103-33-3	Azobenzene	U	710	1.0	330	710	360
101-55-3	4-Bromophenyl-phenylether	U	710	1.0	330	710	120
118-74-1	Hexachlorobenzene	U	710	1.0	330	710	500
87-86-5	Pentachlorophenol	U	1800	1.0	820	1800	300
85-01-8	Phenanthrene	U	710	1.0	330	710	120
120-12-7	Anthracene	U	710	1.0	330	710	120
86-74-8	Carbazole	U	710	1.0	330	710	130
84-74-2	Di-n-butylphthalate	U	710	1.0	330	710	180
206-44-0	Fluoranthene	U	710	1.0	330	710	150
92-87-5	Benzidine	U	1800	1.0	820	1800	890
129-00-0	Pyrene	U	710	1.0	330	710	160
85-68-7	Butylbenzylphthalate	U	710	1.0	330	710	150
56-55-3	Benzo(a)anthracene	U	710	1.0	330	710	130
91-94-1	3,3'-Dichlorobenzidine	U	710	1.0	330	710	290
218-01-9	Chrysene	U	710	1.0	330	710	140
117-81-7	bis(2-Ethylhexyl)phthalate	U	710	1.0	330	710	160
117-84-0	Di-n-octylphthalate	U	710	1.0	330	710	160
205-99-2	Benzo(b)fluoranthene	U	710	1.0	330	710	140
207-08-9	Benzo(k)fluoranthene	U	710	1.0	330	710	130
50-32-8	Benzo(a)pyrene	U	710	1.0	330	710	98
193-39-5	Indeno(1,2,3-cd)pyrene	U	710	1.0	330	710	290
53-70-3	Dibenzo(a,h)anthracene	U	710	1.0	330	710	300
191-24-2	Benzo(g,h,i)perylene	U	710	1.0	330	710	280
367-12-4	2-Fluorophenol		83%				
13127-88-3	Phenol-D6		98%				
4165-60-0	Nitrobenzene-D5		79%				
321-60-8	2-Fluorobiphenyl		76%				
118-79-6	2,4,6-Tribromophenol		79%				
1718-51-0	Terphenyl-D14		100%				

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-14-01

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Matrix: (soil/water) SOIL Lab Sample ID: WV5583-5

Sample wt/vol: 0.030(Kg/mL) KG Lab File ID: X8998

Level: (low/med) LOW Date Received: 10/21/05

% Moisture: 54 decanted: (Y/N) N Date Extracted:10/25/05

Concentrated Extract Volume: 0.001(L) Date Analyzed: 10/28/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 12

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	2.43	800	JB
2.		UNKNOWN	3.55	300	J
3.		UNKNOWN	4.32	600	J
4.		UNKNOWN	5.24	2000	JB
5.		UNKNOWN	19.57	500	JB
6.		UNKNOWN	19.97	1000	J
7.	10544-50-0	SULFUR, MOL. (S8)	22.02	300	NJ
8.		UNKNOWN	22.28	3000	JB
9.		UNKNOWN ALKANE	23.99	1000	J
10.		UNKNOWN	24.51	4000	JB
11.		UNKNOWN ALKANE	25.63	900	J
12.		UNKNOWN ALKANE	27.15	800	J
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FORM I SV-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date: 10/25/05
Analysis Date: 28-OCT-2005 20:53
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 48.4

Lab ID: WV5583-6
Client ID: SD-14-02
SDG: MID-5
Extracted by: GN
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG21993
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
123-91-1	1,4-Dioxane	U	680	1.0	330	680	340
62-75-9	N-Nitrosodimethylamine	U	680	1.0	330	680	340
110-86-1	Pyridine	U	680	1.0	330	680	340
62-53-3	Aniline	U	680	1.0	330	680	340
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	680	1.0	330	680	63
108-95-2	Phenol	U	680	1.0	330	680	190
111-44-4	Bis(2-Chloroethyl)ether	U	680	1.0	330	680	68
95-57-8	2-Chlorophenol	U	680	1.0	330	680	180
541-73-1	1,3-Dichlorobenzene	U	680	1.0	330	680	110
106-46-7	1,4-Dichlorobenzene	U	680	1.0	330	680	52
100-51-6	Benzyl alcohol	U	680	1.0	330	680	63
95-48-7	2-Methylphenol	U	680	1.0	330	680	280
95-50-1	1,2-Dichlorobenzene	U	680	1.0	330	680	88
621-64-7	N-Nitroso-di-n-propylamine	U	680	1.0	330	680	120
106-44-5	3&4-Methylphenol	U	680	1.0	330	680	310
67-72-1	Hexachloroethane	U	680	1.0	330	680	120
98-95-3	Nitrobenzene	U	680	1.0	330	680	150
78-59-1	Isophorone	U	680	1.0	330	680	110
88-75-5	2-Nitrophenol	U	680	1.0	330	680	220
105-67-9	2,4-Dimethylphenol	U	680	1.0	330	680	240
111-91-1	Bis(2-Chloroethoxy)methane	U	680	1.0	330	680	110
65-85-0	Benzoic acid	U	1700	1.0	820	1700	850
120-83-2	2,4-Dichlorophenol	U	680	1.0	330	680	280
120-82-1	1,2,4-Trichlorobenzene	U	680	1.0	330	680	90
91-20-3	Naphthalene	U	680	1.0	330	680	130
106-47-8	4-Chloroaniline	U	680	1.0	330	680	110
87-68-3	Hexachlorobutadiene	U	680	1.0	330	680	90
59-50-7	4-Chloro-3-Methylphenol	U	680	1.0	330	680	240
91-57-6	2-Methylnaphthalene	U	680	1.0	330	680	120
90-12-0	1-Methylnaphthalene	U	680	1.0	330	680	340
77-47-4	Hexachlorocyclopentadiene	U	680	1.0	330	680	150
88-06-2	2,4,6-Trichlorophenol	U	680	1.0	330	680	240
95-95-4	2,4,5-Trichlorophenol	U	1700	1.0	820	1700	370
91-58-7	2-Chloronaphthalene	U	680	1.0	330	680	100
88-74-4	2-Nitroaniline	U	1700	1.0	820	1700	150
131-11-3	Dimethyl Phthalate	U	680	1.0	330	680	130
606-20-2	2,6-Dinitrotoluene	U	680	1.0	330	680	160
208-96-8	Acenaphthylene	U	680	1.0	330	680	83
99-09-2	3-Nitroaniline	U	1700	1.0	820	1700	150
83-32-9	Acenaphthene	U	680	1.0	330	680	120
51-28-5	2,4-Dinitrophenol	U	1700	1.0	820	1700	130
132-64-9	Dibenzofuran	U	680	1.0	330	680	130
100-02-7	4-Nitrophenol	U	1700	1.0	820	1700	320

Sample Data Summary A0000196

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date: 10/25/05
Analysis Date: 28-OCT-2005 20:53
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 48.4

Lab ID: WV5583-6
Client ID: SD-14-02
SDG: MID-5
Extracted by: GN
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG21993
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
121-14-2	2,4-Dinitrotoluene	U	680	1.0	330	680	200
84-66-2	Diethylphthalate	U	680	1.0	330	680	210
86-73-7	Fluorene	U	680	1.0	330	680	110
7005-72-3	4-Chlorophenyl-phenylether	U	680	1.0	330	680	100
100-01-6	4-Nitroaniline	U	1700	1.0	820	1700	180
534-52-1	4,6-Dinitro-2-Methylphenol	U	1700	1.0	820	1700	430
86-30-6	N-Nitrosodiphenylamine	U	680	1.0	330	680	150
103-33-3	Azobenzene	U	680	1.0	330	680	340
101-55-3	4-Bromophenyl-phenylether	U	680	1.0	330	680	120
118-74-1	Hexachlorobenzene	U	680	1.0	330	680	480
87-86-5	Pentachlorophenol	U	1700	1.0	820	1700	290
85-01-8	Phenanthrene	U	680	1.0	330	680	120
120-12-7	Anthracene	U	680	1.0	330	680	120
86-74-8	Carbazole	U	680	1.0	330	680	120
84-74-2	Di-n-butylphthalate	U	680	1.0	330	680	170
206-44-0	Fluoranthene	U	680	1.0	330	680	150
92-87-5	Benzidine	U	1700	1.0	820	1700	850
129-00-0	Pyrene	U	680	1.0	330	680	150
85-68-7	Butylbenzylphthalate	U	680	1.0	330	680	140
56-55-3	Benzo(a)anthracene	U	680	1.0	330	680	120
91-94-1	3,3'-Dichlorobenzidine	U	680	1.0	330	680	280
218-01-9	Chrysene	U	680	1.0	330	680	140
117-81-7	bis(2-Ethylhexyl)phthalate	U	680	1.0	330	680	150
117-84-0	Di-n-octylphthalate	U	680	1.0	330	680	150
205-99-2	Benzo(b)fluoranthene	U	680	1.0	330	680	130
207-08-9	Benzo(k)fluoranthene	U	680	1.0	330	680	120
50-32-8	Benzo(a)pyrene	U	680	1.0	330	680	94
193-39-5	Indeno(1,2,3-cd)pyrene	U	680	1.0	330	680	270
53-70-3	Dibenzo(a,h)anthracene	U	680	1.0	330	680	290
191-24-2	Benzo(g,h,i)perylene	U	680	1.0	330	680	270
367-12-4	2-Fluorophenol		79%				
13127-88-3	Phenol-D6		92%				
4165-60-0	Nitrobenzene-D5		65%				
321-60-8	2-Fluorobiphenyl		62%				
118-79-6	2,4,6-Tribromophenol		59%				
1718-51-0	Terphenyl-D14		87%				

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-14-02

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Matrix: (soil/water) SOIL Lab Sample ID: WV5583-6

Sample wt/vol: 0.030(Kg/mL) KG Lab File ID: X8999

Level: (low/med) LOW Date Received: 10/21/05

% Moisture: 52 decanted: (Y/N) N Date Extracted:10/25/05

Concentrated Extract Volume: 0.001(L) Date Analyzed: 10/28/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 12

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	2.42	600	JB
2.		UNKNOWN	4.32	700	J
3.		UNKNOWN	5.24	2000	JB
4.		UNKNOWN	19.57	400	JB
5.		UNKNOWN	19.98	1000	J
6.		UNKNOWN	22.28	3000	JB
7.		UNKNOWN ALKANE	24.00	800	J
8.		UNKNOWN	24.58	10000	JB
9.		UNKNOWN ALKANE	25.63	900	J
10.		UNKNOWN	25.86	300	JB
11.		UNKNOWN ALKANE	27.14	1000	J
12.		UNKNOWN	30.29	7000	J
13.					
14.					
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FORM I SV-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date: 10/25/05
Analysis Date: 28-OCT-2005 19:25
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 77.2

Lab ID: WV5583-4
Client ID: SD-14-SS
SDG: MID-5
Extracted by: GN
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG21993
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
123-91-1	1,4-Dioxane	U	430	1.0	330	430	210
62-75-9	N-Nitrosodimethylamine	U	430	1.0	330	430	210
110-86-1	Pyridine	U	430	1.0	330	430	210
62-53-3	Aniline	U	430	1.0	330	430	210
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	430	1.0	330	430	40
108-95-2	Phenol	U	430	1.0	330	430	120
111-44-4	Bis(2-Chloroethyl)ether	U	430	1.0	330	430	43
95-57-8	2-Chlorophenol	U	430	1.0	330	430	120
541-73-1	1,3-Dichlorobenzene	U	430	1.0	330	430	68
106-46-7	1,4-Dichlorobenzene	U	430	1.0	330	430	33
100-51-6	Benzyl alcohol	U	430	1.0	330	430	40
95-48-7	2-Methylphenol	U	430	1.0	330	430	180
95-50-1	1,2-Dichlorobenzene	U	430	1.0	330	430	55
621-64-7	N-Nitroso-di-n-propylamine	U	430	1.0	330	430	73
106-44-5	3&4-Methylphenol	U	430	1.0	330	430	190
67-72-1	Hexachloroethane	U	430	1.0	330	430	78
98-95-3	Nitrobenzene	U	430	1.0	330	430	96
78-59-1	Isophorone	U	430	1.0	330	430	67
88-75-5	2-Nitrophenol	U	430	1.0	330	430	140
105-67-9	2,4-Dimethylphenol	U	430	1.0	330	430	150
111-91-1	Bis(2-Chloroethoxy)methane	U	430	1.0	330	430	68
65-85-0	Benzoic acid	U	1100	1.0	820	1100	530
120-83-2	2,4-Dichlorophenol	U	430	1.0	330	430	170
120-82-1	1,2,4-Trichlorobenzene	U	430	1.0	330	430	57
91-20-3	Naphthalene	U	430	1.0	330	430	82
106-47-8	4-Chloroaniline	U	430	1.0	330	430	69
87-68-3	Hexachlorobutadiene	U	430	1.0	330	430	56
59-50-7	4-Chloro-3-Methylphenol	U	430	1.0	330	430	150
91-57-6	2-Methylnaphthalene	U	430	1.0	330	430	73
90-12-0	1-Methylnaphthalene	U	430	1.0	330	430	210
77-47-4	Hexachlorocyclopentadiene	U	430	1.0	330	430	97
88-06-2	2,4,6-Trichlorophenol	U	430	1.0	330	430	150
95-95-4	2,4,5-Trichlorophenol	U	1100	1.0	820	1100	230
91-58-7	2-Chloronaphthalene	U	430	1.0	330	430	63
88-74-4	2-Nitroaniline	U	1100	1.0	820	1100	97
131-11-3	Dimethyl Phthalate	U	430	1.0	330	430	81
606-20-2	2,6-Dinitrotoluene	U	430	1.0	330	430	100
208-96-8	Acenaphthylene	U	430	1.0	330	430	52
99-09-2	3-Nitroaniline	U	1100	1.0	820	1100	92
83-32-9	Acenaphthene	U	430	1.0	330	430	77
51-28-5	2,4-Dinitrophenol	U	1100	1.0	820	1100	80
132-64-9	Dibenzofuran	U	430	1.0	330	430	80
100-02-7	4-Nitrophenol	U	1100	1.0	820	1100	200

Sample Data Summary A0000190

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date: 10/25/05
Analysis Date: 28-OCT-2005 19:25
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 77.2

Lab ID: WV5583-4
Client ID: SD-14-SS
SDG: MID-5
Extracted by: GN
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG21993
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
121-14-2	2,4-Dinitrotoluene	U	430	1.0	330	430	130
84-66-2	Diethylphthalate	U	430	1.0	330	430	130
86-73-7	Fluorene	J	81	1.0	330	430	68
7005-72-3	4-Chlorophenyl-phenylether	U	430	1.0	330	430	65
100-01-6	4-Nitroaniline	U	1100	1.0	820	1100	110
534-52-1	4,6-Dinitro-2-Methylphenol	U	1100	1.0	820	1100	270
86-30-6	N-Nitrosodiphenylamine	U	430	1.0	330	430	93
103-33-3	Azobenzene	U	430	1.0	330	430	210
101-55-3	4-Bromophenyl-phenylether	U	430	1.0	330	430	72
118-74-1	Hexachlorobenzene	U	430	1.0	330	430	300
87-86-5	Pentachlorophenol	U	1100	1.0	820	1100	180
85-01-8	Phenanthrene		830	1.0	330	430	75
120-12-7	Anthracene	J	200	1.0	330	430	75
86-74-8	Carbazole	J	130	1.0	330	430	78
84-74-2	Di-n-butylphthalate	U	430	1.0	330	430	110
206-44-0	Fluoranthene		2400	1.0	330	430	92
92-87-5	Benzidine	U	1100	1.0	820	1100	530
129-00-0	Pyrene		2400	1.0	330	430	93
85-68-7	Butylbenzylphthalate	U	430	1.0	330	430	88
56-55-3	Benzo(a)anthracene		1100	1.0	330	430	76
91-94-1	3,3'-Dichlorobenzidine	U	430	1.0	330	430	170
218-01-9	Chrysene		1200	1.0	330	430	85
117-81-7	bis(2-Ethylhexyl)phthalate	J	210	1.0	330	430	96
117-84-0	Di-n-octylphthalate	U	430	1.0	330	430	95
205-99-2	Benzo(b)fluoranthene		1400	1.0	330	430	83
207-08-9	Benzo(k)fluoranthene		560	1.0	330	430	76
50-32-8	Benzo(a)pyrene		790	1.0	330	430	59
193-39-5	Indeno(1,2,3-cd)pyrene		460	1.0	330	430	170
53-70-3	Dibenzo(a,h)anthracene	U	430	1.0	330	430	180
191-24-2	Benzo(g,h,i)perylene	J	360	1.0	330	430	170
367-12-4	2-Fluorophenol		64%				
13127-88-3	Phenol-D6		72%				
4165-60-0	Nitrobenzene-D5		59%				
321-60-8	2-Fluorobiphenyl		60%				
118-79-6	2,4,6-Tribromophenol		58%				
1718-51-0	Terphenyl-D14		* 63%				

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-14-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Matrix: (soil/water) SOIL Lab Sample ID: WV5583-4

Sample wt/vol: 0.030(Kg/mL) KG Lab File ID: X8997

Level: (low/med) LOW Date Received: 10/21/05

% Moisture: 23 decanted: (Y/N) N Date Extracted:10/25/05

Concentrated Extract Volume: 0.001(L) Date Analyzed: 10/28/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 11

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	2.42	500	JB
2.		UNKNOWN	4.31	500	J
3.		UNKNOWN	4.95	300	J
4.		UNKNOWN	5.24	1000	JB
5.		UNKNOWN ALKANE	8.98	200	J
6.		UNKNOWN ALKANE	9.32	200	J
7.	10544-50-0	SULFUR, MOL. (S8)	16.13	800	NJ
8.	32774-16-6	1,1'-BIPHENYL, 3,3',4,4',5,5	23.31	500	NJ
9.	38380-08-4	1,1'-BIPHENYL, 2,3,3',4,4',5	23.53	900	NJ
10.	35065-27-1	1,1'-BIPHENYL, 2,2',4,4',5,5	23.89	300	NJ
11.	32774-16-6	1,1'-BIPHENYL, 3,3',4,4',5,5	24.01	1000	NJ
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FORM I SV-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/25/05
Analysis Date: 31-OCT-2005 02:37
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 24.9

Lab ID: WV5604-1
Client ID: SD-15-SS
SDG: MID-5
Extracted by: GN
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG21993
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
123-91-1	1,4-Dioxane	U	1300	1.0	330	1300	660
62-75-9	N-Nitrosodimethylamine	U	1300	1.0	330	1300	660
110-86-1	Pyridine	U	1300	1.0	330	1300	660
62-53-3	Aniline	U	1300	1.0	330	1300	660
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	1300	1.0	330	1300	120
108-95-2	Phenol	U	1300	1.0	330	1300	370
111-44-4	Bis(2-Chloroethyl)ether	U	1300	1.0	330	1300	130
95-57-8	2-Chlorophenol	U	1300	1.0	330	1300	360
541-73-1	1,3-Dichlorobenzene	U	1300	1.0	330	1300	210
106-46-7	1,4-Dichlorobenzene	U	1300	1.0	330	1300	100
100-51-6	Benzyl alcohol	U	1300	1.0	330	1300	120
95-48-7	2-Methylphenol	U	1300	1.0	330	1300	540
95-50-1	1,2-Dichlorobenzene	U	1300	1.0	330	1300	170
621-64-7	N-Nitroso-di-n-propylamine	U	1300	1.0	330	1300	230
106-44-5	3&4-Methylphenol	U	1300	1.0	330	1300	600
67-72-1	Hexachloroethane	U	1300	1.0	330	1300	240
98-95-3	Nitrobenzene	U	1300	1.0	330	1300	300
78-59-1	Isophorone	U	1300	1.0	330	1300	210
88-75-5	2-Nitrophenol	U	1300	1.0	330	1300	430
105-67-9	2,4-Dimethylphenol	U	1300	1.0	330	1300	470
111-91-1	Bis(2-Chloroethoxy)methane	U	1300	1.0	330	1300	210
65-85-0	Benzoic acid	U	3300	1.0	820	3300	1600
120-83-2	2,4-Dichlorophenol	U	1300	1.0	330	1300	540
120-82-1	1,2,4-Trichlorobenzene	U	1300	1.0	330	1300	180
91-20-3	Naphthalene	U	1300	1.0	330	1300	260
106-47-8	4-Chloroaniline	U	1300	1.0	330	1300	210
87-68-3	Hexachlorobutadiene	U	1300	1.0	330	1300	180
59-50-7	4-Chloro-3-Methylphenol	U	1300	1.0	330	1300	470
91-57-6	2-Methylnaphthalene	U	1300	1.0	330	1300	230
90-12-0	1-Methylnaphthalene	U	1300	1.0	330	1300	660
77-47-4	Hexachlorocyclopentadiene	U	1300	1.0	330	1300	300
88-06-2	2,4,6-Trichlorophenol	U	1300	1.0	330	1300	470
95-95-4	2,4,5-Trichlorophenol	U	3300	1.0	820	3300	720
91-58-7	2-Chloronaphthalene	U	1300	1.0	330	1300	190
88-74-4	2-Nitroaniline	U	3300	1.0	820	3300	300
131-11-3	Dimethyl Phthalate	U	1300	1.0	330	1300	250
606-20-2	2,6-Dinitrotoluene	U	1300	1.0	330	1300	310
208-96-8	Acenaphthylene	U	1300	1.0	330	1300	160
99-09-2	3-Nitroaniline	U	3300	1.0	820	3300	290
83-32-9	Acenaphthene	U	1300	1.0	330	1300	240
51-28-5	2,4-Dinitrophenol	U	3300	1.0	820	3300	250
132-64-9	Dibenzofuran	U	1300	1.0	330	1300	250
100-02-7	4-Nitrophenol	U	3300	1.0	820	3300	620

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/25/05
Analysis Date: 31-OCT-2005 02:37
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 24.9

Lab ID: WV5604-1
Client ID: SD-15-SS
SDG: MID-5
Extracted by: GN
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG21993
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
121-14-2	2,4-Dinitrotoluene	U	1300	1.0	330	1300	390
84-66-2	Diethylphthalate	U	1300	1.0	330	1300	410
86-73-7	Fluorene	U	1300	1.0	330	1300	210
7005-72-3	4-Chlorophenyl-phenylether	U	1300	1.0	330	1300	200
100-01-6	4-Nitroaniline	U	3300	1.0	820	3300	340
534-52-1	4,6-Dinitro-2-Methylphenol	U	3300	1.0	820	3300	830
86-30-6	N-Nitrosodiphenylamine	U	1300	1.0	330	1300	290
103-33-3	Azobenzene	U	1300	1.0	330	1300	660
101-55-3	4-Bromophenyl-phenylether	U	1300	1.0	330	1300	220
118-74-1	Hexachlorobenzene	U	1300	1.0	330	1300	940
87-86-5	Pentachlorophenol	U	3300	1.0	820	3300	560
85-01-8	Phenanthrene	J	940	1.0	330	1300	230
120-12-7	Anthracene	U	1300	1.0	330	1300	230
86-74-8	Carbazole	U	1300	1.0	330	1300	240
84-74-2	Di-n-butylphthalate	U	1300	1.0	330	1300	340
206-44-0	Fluoranthene		2000	1.0	330	1300	280
92-87-5	Benzidine	U	3300	1.0	820	3300	1600
129-00-0	Pyrene		3900	1.0	330	1300	290
85-68-7	Butylbenzylphthalate	U	1300	1.0	330	1300	270
56-55-3	Benzo(a)anthracene	J	1000	1.0	330	1300	240
91-94-1	3,3'-Dichlorobenzidine	U	1300	1.0	330	1300	540
218-01-9	Chrysene		1400	1.0	330	1300	260
117-81-7	bis(2-Ethylhexyl)phthalate	J	820	1.0	330	1300	300
117-84-0	Di-n-octylphthalate	U	1300	1.0	330	1300	300
205-99-2	Benzo(b)fluoranthene		1800	1.0	330	1300	260
207-08-9	Benzo(k)fluoranthene	J	750	1.0	330	1300	240
50-32-8	Benzo(a)pyrene	J	1200	1.0	330	1300	180
193-39-5	Indeno(1,2,3-cd)pyrene	J	840	1.0	330	1300	530
53-70-3	Dibenzo(a,h)anthracene	U	1300	1.0	330	1300	560
191-24-2	Benzo(g,h,i)perylene	J	730	1.0	330	1300	520
367-12-4	2-Fluorophenol		88%				
13127-88-3	Phenol-D6		87%				
4165-60-0	Nitrobenzene-D5		82%				
321-60-8	2-Fluorobiphenyl		68%				
118-79-6	2,4,6-Tribromophenol		61%				
1718-51-0	Terphenyl-D14		103%				

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-15-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Matrix: (soil/water) SOIL Lab Sample ID: WV5604-1

Sample wt/vol: 0.030(Kg/mL) KG Lab File ID: X9034

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: 75 decanted: (Y/N) N Date Extracted:10/25/05

Concentrated Extract Volume: 0.001(L) Date Analyzed: 10/31/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 6

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	3.47	600	J
2.		UNKNOWN	5.17	5000	JB
3.	108-94-1	CYCLOHEXANONE	6.29	1000	NJ
4.		UNKNOWN ORGANIC ACID	20.78	700	J
5.		C17H12 ISOMER	23.31	700	J
6.		C17H12 ISOMER	23.46	1000	J
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FORM I SV-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date: 10/25/05
Analysis Date: 29-OCT-2005 00:36
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 31.7

Lab ID: WV5583-8
Client ID: SD-16-01
SDG: MID-5
Extracted by: GN
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG21993
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
123-91-1	1,4-Dioxane	U	1000	1.0	330	1000	520
62-75-9	N-Nitrosodimethylamine	U	1000	1.0	330	1000	520
110-86-1	Pyridine	U	1000	1.0	330	1000	520
62-53-3	Aniline	U	1000	1.0	330	1000	520
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	1000	1.0	330	1000	97
108-95-2	Phenol	U	1000	1.0	330	1000	290
111-44-4	Bis(2-Chloroethyl)ether	U	1000	1.0	330	1000	100
95-57-8	2-Chlorophenol	U	1000	1.0	330	1000	280
541-73-1	1,3-Dichlorobenzene	U	1000	1.0	330	1000	170
106-46-7	1,4-Dichlorobenzene	U	1000	1.0	330	1000	79
100-51-6	Benzyl alcohol	U	1000	1.0	330	1000	97
95-48-7	2-Methylphenol	U	1000	1.0	330	1000	430
95-50-1	1,2-Dichlorobenzene	U	1000	1.0	330	1000	130
621-64-7	N-Nitroso-di-n-propylamine	U	1000	1.0	330	1000	180
106-44-5	3&4-Methylphenol	U	1000	1.0	330	1000	470
67-72-1	Hexachloroethane	U	1000	1.0	330	1000	190
98-95-3	Nitrobenzene	U	1000	1.0	330	1000	230
78-59-1	Isophorone	U	1000	1.0	330	1000	160
88-75-5	2-Nitrophenol	U	1000	1.0	330	1000	340
105-67-9	2,4-Dimethylphenol	U	1000	1.0	330	1000	370
111-91-1	Bis(2-Chloroethoxy)methane	U	1000	1.0	330	1000	160
65-85-0	Benzoic acid	U	2600	1.0	820	2600	1300
120-83-2	2,4-Dichlorophenol	U	1000	1.0	330	1000	420
120-82-1	1,2,4-Trichlorobenzene	U	1000	1.0	330	1000	140
91-20-3	Naphthalene	J	360	1.0	330	1000	200
106-47-8	4-Chloroaniline	U	1000	1.0	330	1000	170
87-68-3	Hexachlorobutadiene	U	1000	1.0	330	1000	140
59-50-7	4-Chloro-3-Methylphenol	U	1000	1.0	330	1000	370
91-57-6	2-Methylnaphthalene	J	220	1.0	330	1000	180
90-12-0	1-Methylnaphthalene	U	1000	1.0	330	1000	520
77-47-4	Hexachlorocyclopentadiene	U	1000	1.0	330	1000	240
88-06-2	2,4,6-Trichlorophenol	U	1000	1.0	330	1000	370
95-95-4	2,4,5-Trichlorophenol	U	2600	1.0	820	2600	570
91-58-7	2-Chloronaphthalene	U	1000	1.0	330	1000	150
88-74-4	2-Nitroaniline	U	2600	1.0	820	2600	240
131-11-3	Dimethyl Phthalate	U	1000	1.0	330	1000	200
606-20-2	2,6-Dinitrotoluene	U	1000	1.0	330	1000	240
208-96-8	Acenaphthylene	U	1000	1.0	330	1000	130
99-09-2	3-Nitroaniline	U	2600	1.0	820	2600	220
83-32-9	Acenaphthene	J	480	1.0	330	1000	190
51-28-5	2,4-Dinitrophenol	U	2600	1.0	820	2600	190
132-64-9	Dibenzofuran	U	1000	1.0	330	1000	200
100-02-7	4-Nitrophenol	U	2600	1.0	820	2600	490

Sample Data Summary A0000202

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date: 10/25/05
Analysis Date: 29-OCT-2005 00:36
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 31.7

Lab ID: WV5583-8
Client ID: SD-16-01
SDG: MID-5
Extracted by: GN
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG21993
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
121-14-2	2,4-Dinitrotoluene	U	1000	1.0	330	1000	310
84-66-2	Diethylphthalate	U	1000	1.0	330	1000	330
86-73-7	Fluorene	J	330	1.0	330	1000	170
7005-72-3	4-Chlorophenyl-phenylether	U	1000	1.0	330	1000	160
100-01-6	4-Nitroaniline	U	2600	1.0	820	2600	270
534-52-1	4,6-Dinitro-2-Methylphenol	U	2600	1.0	820	2600	650
86-30-6	N-Nitrosodiphenylamine	U	1000	1.0	330	1000	230
103-33-3	Azobenzene	U	1000	1.0	330	1000	520
101-55-3	4-Bromophenyl-phenylether	U	1000	1.0	330	1000	180
118-74-1	Hexachlorobenzene	U	1000	1.0	330	1000	740
87-86-5	Pentachlorophenol	U	2600	1.0	820	2600	440
85-01-8	Phenanthrene		3200	1.0	330	1000	180
120-12-7	Anthracene	J	820	1.0	330	1000	180
86-74-8	Carbazole	J	310	1.0	330	1000	190
84-74-2	Di-n-butylphthalate	U	1000	1.0	330	1000	270
206-44-0	Fluoranthene		3500	1.0	330	1000	220
92-87-5	Benzidine	U	2600	1.0	820	2600	1300
129-00-0	Pyrene		11000	1.0	330	1000	230
85-68-7	Butylbenzylphthalate	U	1000	1.0	330	1000	210
56-55-3	Benzo(a)anthracene		2600	1.0	330	1000	190
91-94-1	3,3'-Dichlorobenzidine	U	1000	1.0	330	1000	420
218-01-9	Chrysene		2900	1.0	330	1000	210
117-81-7	bis(2-Ethylhexyl)phthalate		1100	1.0	330	1000	230
117-84-0	Di-n-octylphthalate	U	1000	1.0	330	1000	230
205-99-2	Benzo(b)fluoranthene		4600	1.0	330	1000	200
207-08-9	Benzo(k)fluoranthene		1600	1.0	330	1000	180
50-32-8	Benzo(a)pyrene		3000	1.0	330	1000	140
193-39-5	Indeno(1,2,3-cd)pyrene		1600	1.0	330	1000	420
53-70-3	Dibenzo(a,h)anthracene	U	1000	1.0	330	1000	440
191-24-2	Benzo(g,h,i)perylene		1800	1.0	330	1000	410
367-12-4	2-Fluorophenol		87%				
13127-88-3	Phenol-D6		104%				
4165-60-0	Nitrobenzene-D5		91%				
321-60-8	2-Fluorobiphenyl		88%				
118-79-6	2,4,6-Tribromophenol		42%				
1718-51-0	Terphenyl-D14		*114%				

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-16-01

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Matrix: (soil/water) SOIL Lab Sample ID: WV5583-8

Sample wt/vol: 0.030(Kg/mL) KG Lab File ID: X9004

Level: (low/med) LOW Date Received: 10/21/05

% Moisture: 68 decanted: (Y/N) N Date Extracted:10/25/05

Concentrated Extract Volume: 0.001(L) Date Analyzed: 10/29/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 12

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	5.26	4000	JB
2.	100-42-5	STYRENE	6.29	700	NJ
3.	108-94-1	CYCLOHEXANONE	6.37	700	NJ
4.		UNKNOWN ALKANE	18.17	1000	J
5.		UNKNOWN	18.28	2000	J
6.	17233-71-5	HEXATHIEPANE	18.69	800	NJ
7.		C15H12 ISOMER	20.45	700	J
8.		C15H10 ISOMER	20.61	500	J
9.		UNKNOWN ORGANIC ACID	20.86	900	J
10.		UNKNOWN	20.96	700	J
11.		C17H12 ISOMER	23.56	8000	J
12.		UNKNOWN	27.35	5000	J
13.					
14.					
15.					
16.					
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30.					

FORM I SV-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date: 10/25/05
Analysis Date: 01-NOV-2005 23:59
Report Date: 11/03/2005
Matrix: SOIL
% Solids: 31.7

Lab ID: WV5583-8DL
Client ID: SD-16-01
SDG: MID-5
Extracted by: GN
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG21993
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
123-91-1	1,4-Dioxane	U	2100	2.0	330	2100	1000
62-75-9	N-Nitrosodimethylamine	U	2100	2.0	330	2100	1000
110-86-1	Pyridine	U	2100	2.0	330	2100	1000
62-53-3	Aniline	U	2100	2.0	330	2100	1000
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	2100	2.0	330	2100	190
108-95-2	Phenol	U	2100	2.0	330	2100	580
111-44-4	Bis(2-Chloroethyl)ether	U	2100	2.0	330	2100	210
95-57-8	2-Chlorophenol	U	2100	2.0	330	2100	570
541-73-1	1,3-Dichlorobenzene	U	2100	2.0	330	2100	330
106-46-7	1,4-Dichlorobenzene	U	2100	2.0	330	2100	160
100-51-6	Benzyl alcohol	U	2100	2.0	330	2100	190
95-48-7	2-Methylphenol	U	2100	2.0	330	2100	860
95-50-1	1,2-Dichlorobenzene	U	2100	2.0	330	2100	270
621-64-7	N-Nitroso-di-n-propylamine	U	2100	2.0	330	2100	360
106-44-5	3&4-Methylphenol	U	2100	2.0	330	2100	950
67-72-1	Hexachloroethane	U	2100	2.0	330	2100	380
98-95-3	Nitrobenzene	U	2100	2.0	330	2100	470
78-59-1	Isophorone	U	2100	2.0	330	2100	330
88-75-5	2-Nitrophenol	U	2100	2.0	330	2100	680
105-67-9	2,4-Dimethylphenol	U	2100	2.0	330	2100	740
111-91-1	Bis(2-Chloroethoxy)methane	U	2100	2.0	330	2100	330
65-85-0	Benzoic acid	U	5200	2.0	820	5200	2600
120-83-2	2,4-Dichlorophenol	U	2100	2.0	330	2100	850
120-82-1	1,2,4-Trichlorobenzene	U	2100	2.0	330	2100	280
91-20-3	Naphthalene	U	2100	2.0	330	2100	400
106-47-8	4-Chloroaniline	U	2100	2.0	330	2100	340
87-68-3	Hexachlorobutadiene	U	2100	2.0	330	2100	280
59-50-7	4-Chloro-3-Methylphenol	U	2100	2.0	330	2100	750
91-57-6	2-Methylnaphthalene	U	2100	2.0	330	2100	360
90-12-0	1-Methylnaphthalene	U	2100	2.0	330	2100	1000
77-47-4	Hexachlorocyclopentadiene	U	2100	2.0	330	2100	470
88-06-2	2,4,6-Trichlorophenol	U	2100	2.0	330	2100	740
95-95-4	2,4,5-Trichlorophenol	U	5200	2.0	820	5200	1100
91-58-7	2-Chloronaphthalene	U	2100	2.0	330	2100	300
88-74-4	2-Nitroaniline	U	5200	2.0	820	5200	470
131-11-3	Dimethyl Phthalate	U	2100	2.0	330	2100	390
606-20-2	2,6-Dinitrotoluene	U	2100	2.0	330	2100	490
208-96-8	Acenaphthylene	U	2100	2.0	330	2100	250
99-09-2	3-Nitroaniline	U	5200	2.0	820	5200	450
83-32-9	Acenaphthene	J	440	2.0	330	2100	380
51-28-5	2,4-Dinitrophenol	U	5200	2.0	820	5200	390
132-64-9	Dibenzofuran	U	2100	2.0	330	2100	390
100-02-7	4-Nitrophenol	U	5200	2.0	820	5200	980

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date: 10/25/05
Analysis Date: 01-NOV-2005 23:59
Report Date: 11/03/2005
Matrix: SOIL
% Solids: 31.7

Lab ID: WV5583-8DL
Client ID: SD-16-01
SDG: MID-5
Extracted by: GN
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG21993
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
121-14-2	2,4-Dinitrotoluene	U	2100	2.0	330	2100	620
84-66-2	Diethylphthalate	U	2100	2.0	330	2100	650
86-73-7	Fluorene	J	400	2.0	330	2100	330
7005-72-3	4-Chlorophenyl-phenylether	U	2100	2.0	330	2100	320
100-01-6	4-Nitroaniline	U	5200	2.0	820	5200	540
534-52-1	4,6-Dinitro-2-Methylphenol	U	5200	2.0	820	5200	1300
86-30-6	N-Nitrosodiphenylamine	U	2100	2.0	330	2100	450
103-33-3	Azobenzene	U	2100	2.0	330	2100	1000
101-55-3	4-Bromophenyl-phenylether	U	2100	2.0	330	2100	350
118-74-1	Hexachlorobenzene	U	2100	2.0	330	2100	1500
87-86-5	Pentachlorophenol	U	5200	2.0	820	5200	890
85-01-8	Phenanthrene	J	810	2.0	330	2100	360
120-12-7	Anthracene	U	2100	2.0	330	2100	370
86-74-8	Carbazole	U	2100	2.0	330	2100	380
84-74-2	Di-n-butylphthalate	U	2100	2.0	330	2100	530
206-44-0	Fluoranthene		4300	2.0	330	2100	450
92-87-5	Benzidine	U	5200	2.0	820	5200	2600
129-00-0	Pyrene		8800	2.0	330	2100	450
85-68-7	Butylbenzylphthalate	U	2100	2.0	330	2100	430
56-55-3	Benzo(a)anthracene		2800	2.0	330	2100	370
91-94-1	3,3'-Dichlorobenzidine	U	2100	2.0	330	2100	840
218-01-9	Chrysene		3000	2.0	330	2100	410
117-81-7	bis(2-Ethylhexyl)phthalate	J	710	2.0	330	2100	470
117-84-0	Di-n-octylphthalate	U	2100	2.0	330	2100	460
205-99-2	Benzo(b)fluoranthene		3800	2.0	330	2100	400
207-08-9	Benzo(k)fluoranthene	J	1700	2.0	330	2100	370
50-32-8	Benzo(a)pyrene		2800	2.0	330	2100	290
193-39-5	Indeno(1,2,3-cd)pyrene	J	2000	2.0	330	2100	840
53-70-3	Dibenzo(a,h)anthracene	U	2100	2.0	330	2100	890
191-24-2	Benzo(g,h,i)perylene	J	1700	2.0	330	2100	820
367-12-4	2-Fluorophenol		82%				
13127-88-3	Phenol-D6		87%				
4165-60-0	Nitrobenzene-D5		64%				
321-60-8	2-Fluorobiphenyl		78%				
118-79-6	2,4,6-Tribromophenol		40%				
1718-51-0	Terphenyl-D14		95%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date: 10/25/05
Analysis Date: 29-OCT-2005 17:42
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 31.8

Lab ID: WV5583-9RA
Client ID: SD-16-02
SDG: MID-5
Extracted by: GN
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG21993
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
123-91-1	1,4-Dioxane	U	1000	1.0	330	1000	520
62-75-9	N-Nitrosodimethylamine	U	1000	1.0	330	1000	520
110-86-1	Pyridine	U	1000	1.0	330	1000	520
62-53-3	Aniline	U	1000	1.0	330	1000	520
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	1000	1.0	330	1000	96
108-95-2	Phenol	U	1000	1.0	330	1000	290
111-44-4	Bis(2-Chloroethyl)ether	U	1000	1.0	330	1000	100
95-57-8	2-Chlorophenol	U	1000	1.0	330	1000	280
541-73-1	1,3-Dichlorobenzene	U	1000	1.0	330	1000	160
106-46-7	1,4-Dichlorobenzene	U	1000	1.0	330	1000	79
100-51-6	Benzyl alcohol	U	1000	1.0	330	1000	96
95-48-7	2-Methylphenol	U	1000	1.0	330	1000	430
95-50-1	1,2-Dichlorobenzene	U	1000	1.0	330	1000	130
621-64-7	N-Nitroso-di-n-propylamine	U	1000	1.0	330	1000	180
106-44-5	3&4-Methylphenol	U	1000	1.0	330	1000	470
67-72-1	Hexachloroethane	U	1000	1.0	330	1000	190
98-95-3	Nitrobenzene	U	1000	1.0	330	1000	230
78-59-1	Isophorone	U	1000	1.0	330	1000	160
88-75-5	2-Nitrophenol	U	1000	1.0	330	1000	340
105-67-9	2,4-Dimethylphenol	U	1000	1.0	330	1000	370
111-91-1	Bis(2-Chloroethoxy)methane	U	1000	1.0	330	1000	160
65-85-0	Benzoic acid	U	2600	1.0	820	2600	1300
120-83-2	2,4-Dichlorophenol	U	1000	1.0	330	1000	420
120-82-1	1,2,4-Trichlorobenzene	U	1000	1.0	330	1000	140
91-20-3	Naphthalene	J	540	1.0	330	1000	200
106-47-8	4-Chloroaniline	U	1000	1.0	330	1000	170
87-68-3	Hexachlorobutadiene	U	1000	1.0	330	1000	140
59-50-7	4-Chloro-3-Methylphenol	U	1000	1.0	330	1000	370
91-57-6	2-Methylnaphthalene	J	340	1.0	330	1000	180
90-12-0	1-Methylnaphthalene	U	1000	1.0	330	1000	520
77-47-4	Hexachlorocyclopentadiene	U	1000	1.0	330	1000	240
88-06-2	2,4,6-Trichlorophenol	U	1000	1.0	330	1000	370
95-95-4	2,4,5-Trichlorophenol	U	2600	1.0	820	2600	560
91-58-7	2-Chloronaphthalene	U	1000	1.0	330	1000	150
88-74-4	2-Nitroaniline	U	2600	1.0	820	2600	240
131-11-3	Dimethyl Phthalate	U	1000	1.0	330	1000	200
606-20-2	2,6-Dinitrotoluene	U	1000	1.0	330	1000	240
208-96-8	Acenaphthylene	U	1000	1.0	330	1000	130
99-09-2	3-Nitroaniline	U	2600	1.0	820	2600	220
83-32-9	Acenaphthene	J	530	1.0	330	1000	190
51-28-5	2,4-Dinitrophenol	U	2600	1.0	820	2600	190
132-64-9	Dibenzofuran	J	240	1.0	330	1000	190
100-02-7	4-Nitrophenol	U	2600	1.0	820	2600	490

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date: 10/25/05
Analysis Date: 29-OCT-2005 17:42
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 31.8

Lab ID: WV5583-9RA
Client ID: SD-16-02
SDG: MID-5
Extracted by: GN
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG21993
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
121-14-2	2,4-Dinitrotoluene	U	1000	1.0	330	1000	310
84-66-2	Diethylphthalate	U	1000	1.0	330	1000	320
86-73-7	Fluorene	J	490	1.0	330	1000	160
7005-72-3	4-Chlorophenyl-phenylether	U	1000	1.0	330	1000	160
100-01-6	4-Nitroaniline	U	2600	1.0	820	2600	270
534-52-1	4,6-Dinitro-2-Methylphenol	U	2600	1.0	820	2600	650
86-30-6	N-Nitrosodiphenylamine	U	1000	1.0	330	1000	230
103-33-3	Azobenzene	U	1000	1.0	330	1000	520
101-55-3	4-Bromophenyl-phenylether	U	1000	1.0	330	1000	170
118-74-1	Hexachlorobenzene	U	1000	1.0	330	1000	730
87-86-5	Pentachlorophenol	U	2600	1.0	820	2600	440
85-01-8	Phenanthrene		3700	1.0	330	1000	180
120-12-7	Anthracene		1100	1.0	330	1000	180
86-74-8	Carbazole	J	410	1.0	330	1000	190
84-74-2	Di-n-butylphthalate	U	1000	1.0	330	1000	260
206-44-0	Fluoranthene		7700	1.0	330	1000	220
92-87-5	Benzidine	U	2600	1.0	820	2600	1300
129-00-0	Pyrene		10000	1.0	330	1000	230
85-68-7	Butylbenzylphthalate	U	1000	1.0	330	1000	210
56-55-3	Benzo(a)anthracene		3600	1.0	330	1000	180
91-94-1	3,3'-Dichlorobenzidine	U	1000	1.0	330	1000	420
218-01-9	Chrysene		5000	1.0	330	1000	210
117-81-7	bis(2-Ethylhexyl)phthalate	J	350	1.0	330	1000	230
117-84-0	Di-n-octylphthalate	U	1000	1.0	330	1000	230
205-99-2	Benzo(b)fluoranthene		5200	1.0	330	1000	200
207-08-9	Benzo(k)fluoranthene		2100	1.0	330	1000	180
50-32-8	Benzo(a)pyrene		3900	1.0	330	1000	140
193-39-5	Indeno(1,2,3-cd)pyrene		2700	1.0	330	1000	420
53-70-3	Dibenzo(a,h)anthracene	J	640	1.0	330	1000	440
191-24-2	Benzo(g,h,i)perylene		2300	1.0	330	1000	410
367-12-4	2-Fluorophenol		100%				
13127-88-3	Phenol-D6		107%				
4165-60-0	Nitrobenzene-D5		90%				
321-60-8	2-Fluorobiphenyl		86%				
118-79-6	2,4,6-Tribromophenol		99%				
1718-51-0	Terphenyl-D14		93%				

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-16-02

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Matrix: (soil/water) SOIL Lab Sample ID: WV5583-9RA

Sample wt/vol: 0.030(Kg/mL) KG Lab File ID: X9013

Level: (low/med) LOW Date Received: 10/21/05

% Moisture: 68 decanted: (Y/N) N Date Extracted:10/25/05

Concentrated Extract Volume: 0.001(L) Date Analyzed: 10/29/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 14

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	2.42	1000	JB
2.		UNKNOWN	5.23	4000	JB
3.		UNKNOWN	5.81	1000	J
4.	108-94-1	CYCLOHEXANONE	6.34	2000	NJ
5.		UNKNOWN	14.34	400	J
6.	0-00-0	DECAHYDRO-4,4,8,9,10-PENTAME	14.95	800	NJ
7.	575-43-9	NAPHTHALENE, 1,6-DIMETHYL-	15.11	400	NJ
8.		UNKNOWN	15.32	600	J
9.	0-00-0	DECAHYDRO-4,4,8,9,10-PENTAME	15.43	600	NJ
10.		UNKNOWN	16.45	800	J
11.		UNKNOWN	16.61	500	J
12.	17233-71-5	HEXATHIEPANE	18.66	800	NJ
13.		UNKNOWN	21.13	30000	J
14.		UNKNOWN	24.61	10000	J
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16.					
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FORM I SV-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date: 10/25/05
Analysis Date: 28-OCT-2005 21:38
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 24.0

Lab ID: WV5583-7
Client ID: SD-16-SS
SDG: MID-5
Extracted by: GN
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG21993
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
123-91-1	1,4-Dioxane	U	1400	1.0	330	1400	690
62-75-9	N-Nitrosodimethylamine	U	1400	1.0	330	1400	690
110-86-1	Pyridine	U	1400	1.0	330	1400	690
62-53-3	Aniline	U	1400	1.0	330	1400	690
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	1400	1.0	330	1400	130
108-95-2	Phenol	U	1400	1.0	330	1400	380
111-44-4	Bis(2-Chloroethyl)ether	U	1400	1.0	330	1400	140
95-57-8	2-Chlorophenol	U	1400	1.0	330	1400	370
541-73-1	1,3-Dichlorobenzene	U	1400	1.0	330	1400	220
106-46-7	1,4-Dichlorobenzene	J	240	1.0	330	1400	100
100-51-6	Benzyl alcohol	U	1400	1.0	330	1400	130
95-48-7	2-Methylphenol	U	1400	1.0	330	1400	570
95-50-1	1,2-Dichlorobenzene	U	1400	1.0	330	1400	180
621-64-7	N-Nitroso-di-n-propylamine	U	1400	1.0	330	1400	230
106-44-5	3&4-Methylphenol	U	1400	1.0	330	1400	620
67-72-1	Hexachloroethane	U	1400	1.0	330	1400	250
98-95-3	Nitrobenzene	U	1400	1.0	330	1400	310
78-59-1	Isophorone	U	1400	1.0	330	1400	220
88-75-5	2-Nitrophenol	U	1400	1.0	330	1400	440
105-67-9	2,4-Dimethylphenol	U	1400	1.0	330	1400	490
111-91-1	Bis(2-Chloroethoxy)methane	U	1400	1.0	330	1400	220
65-85-0	Benzoic acid	U	3400	1.0	820	3400	1700
120-83-2	2,4-Dichlorophenol	U	1400	1.0	330	1400	560
120-82-1	1,2,4-Trichlorobenzene	U	1400	1.0	330	1400	180
91-20-3	Naphthalene	U	1400	1.0	330	1400	260
106-47-8	4-Chloroaniline	U	1400	1.0	330	1400	220
87-68-3	Hexachlorobutadiene	U	1400	1.0	330	1400	180
59-50-7	4-Chloro-3-Methylphenol	U	1400	1.0	330	1400	490
91-57-6	2-Methylnaphthalene	U	1400	1.0	330	1400	240
90-12-0	1-Methylnaphthalene	U	1400	1.0	330	1400	690
77-47-4	Hexachlorocyclopentadiene	U	1400	1.0	330	1400	310
88-06-2	2,4,6-Trichlorophenol	U	1400	1.0	330	1400	490
95-95-4	2,4,5-Trichlorophenol	U	3400	1.0	820	3400	750
91-58-7	2-Chloronaphthalene	U	1400	1.0	330	1400	200
88-74-4	2-Nitroaniline	U	3400	1.0	820	3400	310
131-11-3	Dimethyl Phthalate	U	1400	1.0	330	1400	260
606-20-2	2,6-Dinitrotoluene	U	1400	1.0	330	1400	320
208-96-8	Acenaphthylene	U	1400	1.0	330	1400	170
99-09-2	3-Nitroaniline	U	3400	1.0	820	3400	300
83-32-9	Acenaphthene	U	1400	1.0	330	1400	250
51-28-5	2,4-Dinitrophenol	U	3400	1.0	820	3400	260
132-64-9	Dibenzofuran	U	1400	1.0	330	1400	260
100-02-7	4-Nitrophenol	U	3400	1.0	820	3400	640

Sample Data Summary A0000199

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date: 10/25/05
Analysis Date: 28-OCT-2005 21:38
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 24.0

Lab ID: WV5583-7
Client ID: SD-16-SS
SDG: MID-5
Extracted by: GN
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG21993
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
121-14-2	2,4-Dinitrotoluene	U	1400	1.0	330	1400	410
84-66-2	Diethylphthalate	U	1400	1.0	330	1400	430
86-73-7	Fluorene	U	1400	1.0	330	1400	220
7005-72-3	4-Chlorophenyl-phenylether	U	1400	1.0	330	1400	210
100-01-6	4-Nitroaniline	U	3400	1.0	820	3400	360
534-52-1	4,6-Dinitro-2-Methylphenol	U	3400	1.0	820	3400	860
86-30-6	N-Nitrosodiphenylamine	U	1400	1.0	330	1400	300
103-33-3	Azobenzene	U	1400	1.0	330	1400	690
101-55-3	4-Bromophenyl-phenylether	U	1400	1.0	330	1400	230
118-74-1	Hexachlorobenzene	U	1400	1.0	330	1400	970
87-86-5	Pentachlorophenol	U	3400	1.0	820	3400	590
85-01-8	Phenanthrene	J	440	1.0	330	1400	240
120-12-7	Anthracene	U	1400	1.0	330	1400	240
86-74-8	Carbazole	U	1400	1.0	330	1400	250
84-74-2	Di-n-butylphthalate	U	1400	1.0	330	1400	350
206-44-0	Fluoranthene	J	940	1.0	330	1400	300
92-87-5	Benzidine	U	3400	1.0	820	3400	1700
129-00-0	Pyrene		1500	1.0	330	1400	300
85-68-7	Butylbenzylphthalate	U	1400	1.0	330	1400	280
56-55-3	Benzo(a)anthracene	J	490	1.0	330	1400	240
91-94-1	3,3'-Dichlorobenzidine	U	1400	1.0	330	1400	560
218-01-9	Chrysene	J	720	1.0	330	1400	270
117-81-7	bis(2-Ethylhexyl)phthalate	J	520	1.0	330	1400	310
117-84-0	Di-n-octylphthalate	U	1400	1.0	330	1400	310
205-99-2	Benzo(b)fluoranthene	J	810	1.0	330	1400	270
207-08-9	Benzo(k)fluoranthene	J	480	1.0	330	1400	240
50-32-8	Benzo(a)pyrene	J	540	1.0	330	1400	190
193-39-5	Indeno(1,2,3-cd)pyrene	U	1400	1.0	330	1400	550
53-70-3	Dibenzo(a,h)anthracene	U	1400	1.0	330	1400	590
191-24-2	Benzo(g,h,i)perylene	U	1400	1.0	330	1400	540
367-12-4	2-Fluorophenol		70%				
13127-88-3	Phenol-D6		81%				
4165-60-0	Nitrobenzene-D5		62%				
321-60-8	2-Fluorobiphenyl		59%				
118-79-6	2,4,6-Tribromophenol		73%				
1718-51-0	Terphenyl-D14		* 72%				

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-16-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Matrix: (soil/water) SOIL Lab Sample ID: WV5583-7

Sample wt/vol: 0.030(Kg/mL) KG Lab File ID: X9000

Level: (low/med) LOW Date Received: 10/21/05

% Moisture: 76 decanted: (Y/N) N Date Extracted:10/25/05

Concentrated Extract Volume: 0.001(L) Date Analyzed: 10/28/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 13

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	2.42	1000	JB
2.		UNKNOWN	4.30	1000	J
3.		UNKNOWN	4.95	600	J
4.		UNKNOWN	5.24	3000	JB
5.		UNKNOWN	6.37	600	J
6.		UNKNOWN	18.68	1000	J
7.		UNKNOWN	19.58	1000	JB
8.		UNKNOWN	22.25	4000	JB
9.		UNKNOWN	24.00	1000	J
10.		UNKNOWN	24.52	4000	JB
11.		UNKNOWN	24.57	7000	JB
12.		UNKNOWN ALKANE	25.62	1000	J
13.		UNKNOWN	26.64	10000	J
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FORM I SV-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/25/05
Analysis Date: 29-OCT-2005 22:08
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 24.8

Lab ID: WV5604-2
Client ID: SD-17-SS
SDG: MID-5
Extracted by: GN
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG21993
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
123-91-1	1,4-Dioxane	U	1300	1.0	330	1300	670
62-75-9	N-Nitrosodimethylamine	U	1300	1.0	330	1300	670
110-86-1	Pyridine	U	1300	1.0	330	1300	670
62-53-3	Aniline	U	1300	1.0	330	1300	670
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	1300	1.0	330	1300	120
108-95-2	Phenol	U	1300	1.0	330	1300	370
111-44-4	Bis(2-Chloroethyl)ether	U	1300	1.0	330	1300	130
95-57-8	2-Chlorophenol	U	1300	1.0	330	1300	360
541-73-1	1,3-Dichlorobenzene	U	1300	1.0	330	1300	210
106-46-7	1,4-Dichlorobenzene	U	1300	1.0	330	1300	100
100-51-6	Benzyl alcohol	U	1300	1.0	330	1300	120
95-48-7	2-Methylphenol	U	1300	1.0	330	1300	550
95-50-1	1,2-Dichlorobenzene	U	1300	1.0	330	1300	170
621-64-7	N-Nitroso-di-n-propylamine	U	1300	1.0	330	1300	230
106-44-5	3&4-Methylphenol	U	1300	1.0	330	1300	600
67-72-1	Hexachloroethane	U	1300	1.0	330	1300	240
98-95-3	Nitrobenzene	U	1300	1.0	330	1300	300
78-59-1	Isophorone	U	1300	1.0	330	1300	210
88-75-5	2-Nitrophenol	U	1300	1.0	330	1300	430
105-67-9	2,4-Dimethylphenol	U	1300	1.0	330	1300	470
111-91-1	Bis(2-Chloroethoxy)methane	U	1300	1.0	330	1300	210
65-85-0	Benzoic acid	U	3300	1.0	820	3300	1600
120-83-2	2,4-Dichlorophenol	U	1300	1.0	330	1300	540
120-82-1	1,2,4-Trichlorobenzene	U	1300	1.0	330	1300	180
91-20-3	Naphthalene	U	1300	1.0	330	1300	260
106-47-8	4-Chloroaniline	U	1300	1.0	330	1300	220
87-68-3	Hexachlorobutadiene	U	1300	1.0	330	1300	180
59-50-7	4-Chloro-3-Methylphenol	U	1300	1.0	330	1300	480
91-57-6	2-Methylnaphthalene	U	1300	1.0	330	1300	230
90-12-0	1-Methylnaphthalene	U	1300	1.0	330	1300	670
77-47-4	Hexachlorocyclopentadiene	U	1300	1.0	330	1300	300
88-06-2	2,4,6-Trichlorophenol	U	1300	1.0	330	1300	470
95-95-4	2,4,5-Trichlorophenol	U	3300	1.0	820	3300	720
91-58-7	2-Chloronaphthalene	U	1300	1.0	330	1300	200
88-74-4	2-Nitroaniline	U	3300	1.0	820	3300	300
131-11-3	Dimethyl Phthalate	U	1300	1.0	330	1300	250
606-20-2	2,6-Dinitrotoluene	U	1300	1.0	330	1300	310
208-96-8	Acenaphthylene	U	1300	1.0	330	1300	160
99-09-2	3-Nitroaniline	U	3300	1.0	820	3300	290
83-32-9	Acenaphthene	U	1300	1.0	330	1300	240
51-28-5	2,4-Dinitrophenol	U	3300	1.0	820	3300	250
132-64-9	Dibenzofuran	U	1300	1.0	330	1300	250
100-02-7	4-Nitrophenol	U	3300	1.0	820	3300	630

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/25/05
Analysis Date: 29-OCT-2005 22:08
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 24.8

Lab ID: WV5604-2
Client ID: SD-17-SS
SDG: MID-5
Extracted by: GN
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG21993
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
121-14-2	2,4-Dinitrotoluene	U	1300	1.0	330	1300	390
84-66-2	Diethylphthalate	U	1300	1.0	330	1300	420
86-73-7	Fluorene	U	1300	1.0	330	1300	210
7005-72-3	4-Chlorophenyl-phenylether	U	1300	1.0	330	1300	200
100-01-6	4-Nitroaniline	U	3300	1.0	820	3300	350
534-52-1	4,6-Dinitro-2-Methylphenol	U	3300	1.0	820	3300	830
86-30-6	N-Nitrosodiphenylamine	U	1300	1.0	330	1300	290
103-33-3	Azobenzene	U	1300	1.0	330	1300	670
101-55-3	4-Bromophenyl-phenylether	U	1300	1.0	330	1300	220
118-74-1	Hexachlorobenzene	U	1300	1.0	330	1300	940
87-86-5	Pentachlorophenol	U	3300	1.0	820	3300	570
85-01-8	Phenanthrene	J	580	1.0	330	1300	230
120-12-7	Anthracene	U	1300	1.0	330	1300	230
86-74-8	Carbazole	U	1300	1.0	330	1300	240
84-74-2	Di-n-butylphthalate	U	1300	1.0	330	1300	340
206-44-0	Fluoranthene	J	1200	1.0	330	1300	290
92-87-5	Benzidine	U	3300	1.0	820	3300	1600
129-00-0	Pyrene		1600	1.0	330	1300	290
85-68-7	Butylbenzylphthalate	U	1300	1.0	330	1300	270
56-55-3	Benzo(a)anthracene	J	510	1.0	330	1300	240
91-94-1	3,3'-Dichlorobenzidine	U	1300	1.0	330	1300	540
218-01-9	Chrysene	J	770	1.0	330	1300	260
117-81-7	bis(2-Ethylhexyl)phthalate	J	330	1.0	330	1300	300
117-84-0	Di-n-octylphthalate	U	1300	1.0	330	1300	300
205-99-2	Benzo(b)fluoranthene	J	1100	1.0	330	1300	260
207-08-9	Benzo(k)fluoranthene	J	480	1.0	330	1300	240
50-32-8	Benzo(a)pyrene	J	650	1.0	330	1300	180
193-39-5	Indeno(1,2,3-cd)pyrene	U	1300	1.0	330	1300	540
53-70-3	Dibenzo(a,h)anthracene	U	1300	1.0	330	1300	570
191-24-2	Benzo(g,h,i)perylene	U	1300	1.0	330	1300	520
367-12-4	2-Fluorophenol		62%				
13127-88-3	Phenol-D6		81%				
4165-60-0	Nitrobenzene-D5		56%				
321-60-8	2-Fluorobiphenyl		60%				
118-79-6	2,4,6-Tribromophenol		72%				
1718-51-0	Terphenyl-D14		78%				

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-17-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Matrix: (soil/water) SOIL Lab Sample ID: WV5604-2

Sample wt/vol: 0.030(Kg/mL) KG Lab File ID: X9019

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: 75 decanted: (Y/N) N Date Extracted:10/25/05

Concentrated Extract Volume: 0.001(L) Date Analyzed: 10/29/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 6

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	2.41	600	JB
2.		UNKNOWN	5.22	3000	JB
3.		UNKNOWN ALKANE	18.14	1000	J
4.	10544-50-0	SULFUR, MOL. (S8)	21.13	6000	NJ
5.		UNKNOWN	22.25	4000	JB
6.		UNKNOWN	24.58	20000	JB
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FORM I SV-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/25/05
Analysis Date: 29-OCT-2005 22:53
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 21.8

Lab ID: WV5604-3
Client ID: SD-18-SS
SDG: MID-5
Extracted by: GN
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG21993
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
123-91-1	1,4-Dioxane	U	1500	1.0	330	1500	760
62-75-9	N-Nitrosodimethylamine	U	1500	1.0	330	1500	760
110-86-1	Pyridine	U	1500	1.0	330	1500	760
62-53-3	Aniline	U	1500	1.0	330	1500	760
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	1500	1.0	330	1500	140
108-95-2	Phenol	U	1500	1.0	330	1500	420
111-44-4	Bis(2-Chloroethyl)ether	U	1500	1.0	330	1500	150
95-57-8	2-Chlorophenol	U	1500	1.0	330	1500	410
541-73-1	1,3-Dichlorobenzene	U	1500	1.0	330	1500	240
106-46-7	1,4-Dichlorobenzene	U	1500	1.0	330	1500	120
100-51-6	Benzyl alcohol	U	1500	1.0	330	1500	140
95-48-7	2-Methylphenol	U	1500	1.0	330	1500	620
95-50-1	1,2-Dichlorobenzene	U	1500	1.0	330	1500	200
621-64-7	N-Nitroso-di-n-propylamine	U	1500	1.0	330	1500	260
106-44-5	3&4-Methylphenol	U	1500	1.0	330	1500	690
67-72-1	Hexachloroethane	U	1500	1.0	330	1500	280
98-95-3	Nitrobenzene	U	1500	1.0	330	1500	340
78-59-1	Isophorone	U	1500	1.0	330	1500	240
88-75-5	2-Nitrophenol	U	1500	1.0	330	1500	490
105-67-9	2,4-Dimethylphenol	U	1500	1.0	330	1500	540
111-91-1	Bis(2-Chloroethoxy)methane	U	1500	1.0	330	1500	240
65-85-0	Benzoic acid	U	3800	1.0	820	3800	1900
120-83-2	2,4-Dichlorophenol	U	1500	1.0	330	1500	610
120-82-1	1,2,4-Trichlorobenzene	U	1500	1.0	330	1500	200
91-20-3	Naphthalene	U	1500	1.0	330	1500	290
106-47-8	4-Chloroaniline	U	1500	1.0	330	1500	240
87-68-3	Hexachlorobutadiene	U	1500	1.0	330	1500	200
59-50-7	4-Chloro-3-Methylphenol	U	1500	1.0	330	1500	540
91-57-6	2-Methylnaphthalene	U	1500	1.0	330	1500	260
90-12-0	1-Methylnaphthalene	U	1500	1.0	330	1500	760
77-47-4	Hexachlorocyclopentadiene	U	1500	1.0	330	1500	340
88-06-2	2,4,6-Trichlorophenol	U	1500	1.0	330	1500	540
95-95-4	2,4,5-Trichlorophenol	U	3800	1.0	820	3800	820
91-58-7	2-Chloronaphthalene	U	1500	1.0	330	1500	220
88-74-4	2-Nitroaniline	U	3800	1.0	820	3800	340
131-11-3	Dimethyl Phthalate	U	1500	1.0	330	1500	280
606-20-2	2,6-Dinitrotoluene	U	1500	1.0	330	1500	350
208-96-8	Acenaphthylene	U	1500	1.0	330	1500	180
99-09-2	3-Nitroaniline	U	3800	1.0	820	3800	330
83-32-9	Acenaphthene	U	1500	1.0	330	1500	270
51-28-5	2,4-Dinitrophenol	U	3800	1.0	820	3800	280
132-64-9	Dibenzofuran	U	1500	1.0	330	1500	280
100-02-7	4-Nitrophenol	U	3800	1.0	820	3800	710

Sample Data Summary A0000216

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/25/05
Analysis Date: 29-OCT-2005 22:53
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 21.8

Lab ID: WV5604-3
Client ID: SD-18-SS
SDG: MID-5
Extracted by: GN
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG21993
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
121-14-2	2,4-Dinitrotoluene	U	1500	1.0	330	1500	450
84-66-2	Diethylphthalate	U	1500	1.0	330	1500	470
86-73-7	Fluorene	U	1500	1.0	330	1500	240
7005-72-3	4-Chlorophenyl-phenylether	U	1500	1.0	330	1500	230
100-01-6	4-Nitroaniline	U	3800	1.0	820	3800	390
534-52-1	4,6-Dinitro-2-Methylphenol	U	3800	1.0	820	3800	950
86-30-6	N-Nitrosodiphenylamine	U	1500	1.0	330	1500	330
103-33-3	Azobenzene	U	1500	1.0	330	1500	760
101-55-3	4-Bromophenyl-phenylether	U	1500	1.0	330	1500	250
118-74-1	Hexachlorobenzene	U	1500	1.0	330	1500	1100
87-86-5	Pentachlorophenol	U	3800	1.0	820	3800	640
85-01-8	Phenanthrene	J	370	1.0	330	1500	260
120-12-7	Anthracene	U	1500	1.0	330	1500	260
86-74-8	Carbazole	U	1500	1.0	330	1500	270
84-74-2	Di-n-butylphthalate	U	1500	1.0	330	1500	390
206-44-0	Fluoranthene	J	980	1.0	330	1500	320
92-87-5	Benzidine	U	3800	1.0	820	3800	1900
129-00-0	Pyrene	J	1200	1.0	330	1500	330
85-68-7	Butylbenzylphthalate	U	1500	1.0	330	1500	310
56-55-3	Benzo(a)anthracene	J	380	1.0	330	1500	270
91-94-1	3,3'-Dichlorobenzidine	U	1500	1.0	330	1500	610
218-01-9	Chrysene	J	600	1.0	330	1500	300
117-81-7	bis(2-Ethylhexyl)phthalate	J	550	1.0	330	1500	340
117-84-0	Di-n-octylphthalate	U	1500	1.0	330	1500	340
205-99-2	Benzo(b)fluoranthene	J	930	1.0	330	1500	290
207-08-9	Benzo(k)fluoranthene	J	430	1.0	330	1500	270
50-32-8	Benzo(a)pyrene	J	540	1.0	330	1500	210
193-39-5	Indeno(1,2,3-cd)pyrene	U	1500	1.0	330	1500	610
53-70-3	Dibenzo(a,h)anthracene	U	1500	1.0	330	1500	640
191-24-2	Benzo(g,h,i)perylene	U	1500	1.0	330	1500	590
367-12-4	2-Fluorophenol		70%				
13127-88-3	Phenol-D6		78%				
4165-60-0	Nitrobenzene-D5		66%				
321-60-8	2-Fluorobiphenyl		68%				
118-79-6	2,4,6-Tribromophenol		74%				
1718-51-0	Terphenyl-D14		84%				

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-18-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Matrix: (soil/water) SOIL Lab Sample ID: WV5604-3

Sample wt/vol: 0.030(Kg/mL) KG Lab File ID: X9020

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: 78 decanted: (Y/N) N Date Extracted:10/25/05

Concentrated Extract Volume: 0.001(L) Date Analyzed: 10/29/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 8

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	2.41	1000	JB
2.		UNKNOWN	5.22	4000	JB
3.		UNKNOWN ALKANE	18.15	700	J
4.	17233-71-5	HEXATHIEPANE	18.66	1000	NJ
5.	10544-50-0	SULFUR, MOL. (S8)	20.66	7000	NJ
6.		UNKNOWN	22.26	3000	JB
7.		UNKNOWN ALKANE	25.61	900	J
8.		UNKNOWN	29.88	600	J
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FORM I SV-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/25/05
Analysis Date: 31-OCT-2005 00:23
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 31.7

Lab ID: WV5604-5
Client ID: SD-19-01
SDG: MID-5
Extracted by: GN
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG21993
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
123-91-1	1,4-Dioxane	U	1000	1.0	330	1000	520
62-75-9	N-Nitrosodimethylamine	U	1000	1.0	330	1000	520
110-86-1	Pyridine	U	1000	1.0	330	1000	520
62-53-3	Aniline	U	1000	1.0	330	1000	520
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	1000	1.0	330	1000	97
108-95-2	Phenol	U	1000	1.0	330	1000	290
111-44-4	Bis(2-Chloroethyl)ether	U	1000	1.0	330	1000	100
95-57-8	2-Chlorophenol	U	1000	1.0	330	1000	280
541-73-1	1,3-Dichlorobenzene	U	1000	1.0	330	1000	170
106-46-7	1,4-Dichlorobenzene	U	1000	1.0	330	1000	79
100-51-6	Benzyl alcohol	U	1000	1.0	330	1000	97
95-48-7	2-Methylphenol	U	1000	1.0	330	1000	430
95-50-1	1,2-Dichlorobenzene	U	1000	1.0	330	1000	130
621-64-7	N-Nitroso-di-n-propylamine	U	1000	1.0	330	1000	180
106-44-5	3&4-Methylphenol	U	1000	1.0	330	1000	470
67-72-1	Hexachloroethane	U	1000	1.0	330	1000	190
98-95-3	Nitrobenzene	U	1000	1.0	330	1000	230
78-59-1	Isophorone	U	1000	1.0	330	1000	160
88-75-5	2-Nitrophenol	U	1000	1.0	330	1000	340
105-67-9	2,4-Dimethylphenol	U	1000	1.0	330	1000	370
111-91-1	Bis(2-Chloroethoxy)methane	U	1000	1.0	330	1000	160
65-85-0	Benzoic acid	U	2600	1.0	820	2600	1300
120-83-2	2,4-Dichlorophenol	U	1000	1.0	330	1000	420
120-82-1	1,2,4-Trichlorobenzene	U	1000	1.0	330	1000	140
91-20-3	Naphthalene	J	300	1.0	330	1000	200
106-47-8	4-Chloroaniline	U	1000	1.0	330	1000	170
87-68-3	Hexachlorobutadiene	U	1000	1.0	330	1000	140
59-50-7	4-Chloro-3-Methylphenol	U	1000	1.0	330	1000	370
91-57-6	2-Methylnaphthalene	U	1000	1.0	330	1000	180
90-12-0	1-Methylnaphthalene	U	1000	1.0	330	1000	520
77-47-4	Hexachlorocyclopentadiene	U	1000	1.0	330	1000	240
88-06-2	2,4,6-Trichlorophenol	U	1000	1.0	330	1000	370
95-95-4	2,4,5-Trichlorophenol	U	2600	1.0	820	2600	570
91-58-7	2-Chloronaphthalene	U	1000	1.0	330	1000	150
88-74-4	2-Nitroaniline	U	2600	1.0	820	2600	240
131-11-3	Dimethyl Phthalate	U	1000	1.0	330	1000	200
606-20-2	2,6-Dinitrotoluene	U	1000	1.0	330	1000	240
208-96-8	Acenaphthylene	U	1000	1.0	330	1000	130
99-09-2	3-Nitroaniline	U	2600	1.0	820	2600	220
83-32-9	Acenaphthene	J	190	1.0	330	1000	190
51-28-5	2,4-Dinitrophenol	U	2600	1.0	820	2600	190
132-64-9	Dibenzofuran	U	1000	1.0	330	1000	200
100-02-7	4-Nitrophenol	U	2600	1.0	820	2600	490

Sample Data Summary A0000222

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/25/05
Analysis Date: 31-OCT-2005 00:23
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 31.7

Lab ID: WV5604-5
Client ID: SD-19-01
SDG: MID-5
Extracted by: GN
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG21993
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
121-14-2	2,4-Dinitrotoluene	U	1000	1.0	330	1000	310
84-66-2	Diethylphthalate	U	1000	1.0	330	1000	320
86-73-7	Fluorene	J	290	1.0	330	1000	170
7005-72-3	4-Chlorophenyl-phenylether	U	1000	1.0	330	1000	160
100-01-6	4-Nitroaniline	U	2600	1.0	820	2600	270
534-52-1	4,6-Dinitro-2-Methylphenol	U	2600	1.0	820	2600	650
86-30-6	N-Nitrosodiphenylamine	U	1000	1.0	330	1000	230
103-33-3	Azobenzene	U	1000	1.0	330	1000	520
101-55-3	4-Bromophenyl-phenylether	U	1000	1.0	330	1000	180
118-74-1	Hexachlorobenzene	U	1000	1.0	330	1000	730
87-86-5	Pentachlorophenol	U	2600	1.0	820	2600	440
85-01-8	Phenanthrene		2800	1.0	330	1000	180
120-12-7	Anthracene	J	640	1.0	330	1000	180
86-74-8	Carbazole	J	310	1.0	330	1000	190
84-74-2	Di-n-butylphthalate	U	1000	1.0	330	1000	260
206-44-0	Fluoranthene		4400	1.0	330	1000	220
92-87-5	Benzidine	U	2600	1.0	820	2600	1300
129-00-0	Pyrene		6000	1.0	330	1000	230
85-68-7	Butylbenzylphthalate	U	1000	1.0	330	1000	210
56-55-3	Benzo(a)anthracene		2300	1.0	330	1000	180
91-94-1	3,3'-Dichlorobenzidine	U	1000	1.0	330	1000	420
218-01-9	Chrysene		2800	1.0	330	1000	210
117-81-7	bis(2-Ethylhexyl)phthalate	J	360	1.0	330	1000	230
117-84-0	Di-n-octylphthalate	U	1000	1.0	330	1000	230
205-99-2	Benzo(b)fluoranthene		3100	1.0	330	1000	200
207-08-9	Benzo(k)fluoranthene		1300	1.0	330	1000	180
50-32-8	Benzo(a)pyrene		2300	1.0	330	1000	140
193-39-5	Indeno(1,2,3-cd)pyrene		2000	1.0	330	1000	420
53-70-3	Dibenzo(a,h)anthracene	J	480	1.0	330	1000	440
191-24-2	Benzo(g,h,i)perylene		1800	1.0	330	1000	410
367-12-4	2-Fluorophenol		71%				
13127-88-3	Phenol-D6		77%				
4165-60-0	Nitrobenzene-D5		62%				
321-60-8	2-Fluorobiphenyl		65%				
118-79-6	2,4,6-Tribromophenol		53%				
1718-51-0	Terphenyl-D14		* 65%				

Sample Data Summary A0000223

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-19-01

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Matrix: (soil/water) SOIL Lab Sample ID: WV5604-5

Sample wt/vol: 0.030(Kg/mL) KG Lab File ID: X9031

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: 68 decanted: (Y/N) N Date Extracted:10/25/05

Concentrated Extract Volume: 0.001(L) Date Analyzed: 10/31/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 6

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	5.16	3000	JB
2.		UNKNOWN ALKANE	18.08	600	J
3.		C15H12 ISOMER	20.36	800	J
4.		C17H12 ISOMER	23.48	1000	J
5.		C18H10 ISOMER	24.85	2000	J
6.		C20H12 ISOMER	28.29	600	J
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FORM I SV-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/25/05
Analysis Date: 29-OCT-2005 18:27
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 66.8

Lab ID: WV5604-6
Client ID: SD-19-02
SDG: MID-5
Extracted by: GN
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG21993
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
123-91-1	1,4-Dioxane	U	490	1.0	330	490	250
62-75-9	N-Nitrosodimethylamine	U	490	1.0	330	490	250
110-86-1	Pyridine	U	490	1.0	330	490	250
62-53-3	Aniline	U	490	1.0	330	490	250
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	490	1.0	330	490	46
108-95-2	Phenol	U	490	1.0	330	490	140
111-44-4	Bis(2-Chloroethyl)ether	U	490	1.0	330	490	49
95-57-8	2-Chlorophenol	U	490	1.0	330	490	130
541-73-1	1,3-Dichlorobenzene	U	490	1.0	330	490	79
106-46-7	1,4-Dichlorobenzene	U	490	1.0	330	490	38
100-51-6	Benzyl alcohol	U	490	1.0	330	490	46
95-48-7	2-Methylphenol	U	490	1.0	330	490	200
95-50-1	1,2-Dichlorobenzene	U	490	1.0	330	490	64
621-64-7	N-Nitroso-di-n-propylamine	U	490	1.0	330	490	84
106-44-5	3&4-Methylphenol	U	490	1.0	330	490	220
67-72-1	Hexachloroethane	U	490	1.0	330	490	91
98-95-3	Nitrobenzene	U	490	1.0	330	490	110
78-59-1	Isophorone	U	490	1.0	330	490	78
88-75-5	2-Nitrophenol	U	490	1.0	330	490	160
105-67-9	2,4-Dimethylphenol	U	490	1.0	330	490	180
111-91-1	Bis(2-Chloroethoxy)methane	U	490	1.0	330	490	78
65-85-0	Benzoic acid	U	1200	1.0	820	1200	610
120-83-2	2,4-Dichlorophenol	U	490	1.0	330	490	200
120-82-1	1,2,4-Trichlorobenzene	U	490	1.0	330	490	65
91-20-3	Naphthalene	U	490	1.0	330	490	95
106-47-8	4-Chloroaniline	U	490	1.0	330	490	80
87-68-3	Hexachlorobutadiene	U	490	1.0	330	490	65
59-50-7	4-Chloro-3-Methylphenol	U	490	1.0	330	490	180
91-57-6	2-Methylnaphthalene	U	490	1.0	330	490	85
90-12-0	1-Methylnaphthalene	U	490	1.0	330	490	250
77-47-4	Hexachlorocyclopentadiene	U	490	1.0	330	490	110
88-06-2	2,4,6-Trichlorophenol	U	490	1.0	330	490	180
95-95-4	2,4,5-Trichlorophenol	U	1200	1.0	820	1200	270
91-58-7	2-Chloronaphthalene	U	490	1.0	330	490	72
88-74-4	2-Nitroaniline	U	1200	1.0	820	1200	110
131-11-3	Dimethyl Phthalate	U	490	1.0	330	490	93
606-20-2	2,6-Dinitrotoluene	U	490	1.0	330	490	120
208-96-8	Acenaphthylene	U	490	1.0	330	490	60
99-09-2	3-Nitroaniline	U	1200	1.0	820	1200	110
83-32-9	Acenaphthene	U	490	1.0	330	490	89
51-28-5	2,4-Dinitrophenol	U	1200	1.0	820	1200	92
132-64-9	Dibenzofuran	U	490	1.0	330	490	93
100-02-7	4-Nitrophenol	U	1200	1.0	820	1200	230

Sample Data Summary A0000225

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/25/05
Analysis Date: 29-OCT-2005 18:27
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 66.8

Lab ID: WV5604-6
Client ID: SD-19-02
SDG: MID-5
Extracted by: GN
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG21993
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
121-14-2	2,4-Dinitrotoluene	U	490	1.0	330	490	150
84-66-2	Diethylphthalate	U	490	1.0	330	490	150
86-73-7	Fluorene	U	490	1.0	330	490	79
7005-72-3	4-Chlorophenyl-phenylether	U	490	1.0	330	490	75
100-01-6	4-Nitroaniline	U	1200	1.0	820	1200	130
534-52-1	4,6-Dinitro-2-Methylphenol	U	1200	1.0	820	1200	310
86-30-6	N-Nitrosodiphenylamine	U	490	1.0	330	490	110
103-33-3	Azobenzene	U	490	1.0	330	490	250
101-55-3	4-Bromophenyl-phenylether	U	490	1.0	330	490	83
118-74-1	Hexachlorobenzene	U	490	1.0	330	490	350
87-86-5	Pentachlorophenol	U	1200	1.0	820	1200	210
85-01-8	Phenanthrene	J	170	1.0	330	490	86
120-12-7	Anthracene	U	490	1.0	330	490	87
86-74-8	Carbazole	U	490	1.0	330	490	90
84-74-2	Di-n-butylphthalate	U	490	1.0	330	490	130
206-44-0	Fluoranthene	J	340	1.0	330	490	110
92-87-5	Benzidine	U	1200	1.0	820	1200	610
129-00-0	Pyrene	J	370	1.0	330	490	110
85-68-7	Butylbenzylphthalate	U	490	1.0	330	490	100
56-55-3	Benzo(a)anthracene	J	150	1.0	330	490	88
91-94-1	3,3'-Dichlorobenzidine	U	490	1.0	330	490	200
218-01-9	Chrysene	J	200	1.0	330	490	98
117-81-7	bis(2-Ethylhexyl)phthalate	J	140	1.0	330	490	110
117-84-0	Di-n-octylphthalate	U	490	1.0	330	490	110
205-99-2	Benzo(b)fluoranthene	J	190	1.0	330	490	96
207-08-9	Benzo(k)fluoranthene	U	490	1.0	330	490	88
50-32-8	Benzo(a)pyrene	J	160	1.0	330	490	68
193-39-5	Indeno(1,2,3-cd)pyrene	U	490	1.0	330	490	200
53-70-3	Dibenzo(a,h)anthracene	U	490	1.0	330	490	210
191-24-2	Benzo(g,h,i)perylene	U	490	1.0	330	490	190
367-12-4	2-Fluorophenol		71%				
13127-88-3	Phenol-D6		77%				
4165-60-0	Nitrobenzene-D5		68%				
321-60-8	2-Fluorobiphenyl		70%				
118-79-6	2,4,6-Tribromophenol		79%				
1718-51-0	Terphenyl-D14		85%				

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-19-02

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Matrix: (soil/water) SOIL Lab Sample ID: WV5604-6

Sample wt/vol: 0.030(Kg/mL) KG Lab File ID: X9014

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: 33 decanted: (Y/N) N Date Extracted:10/25/05

Concentrated Extract Volume: 0.001(L) Date Analyzed: 10/29/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 14

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	79-01-6	TRICHLOROETHYLENE	2.55	400	NJ
2.		UNKNOWN	5.22	1000	JB
3.		UNKNOWN	5.81	300	J
4.	108-94-1	CYCLOHEXANONE	6.34	800	NJ
5.		UNKNOWN	16.18	200	J
6.		UNKNOWN ALKANE	18.17	400	J
7.		UNKNOWN ALKANE	19.29	300	J
8.		UNKNOWN	22.26	1000	JB
9.		UNKNOWN ALKANE	23.98	400	J
10.		UNKNOWN	24.61	3000	JB
11.		UNKNOWN	26.69	1000	J
12.		UNKNOWN ALKANE	27.13	300	J
13.		UNKNOWN ALKANE	29.88	200	J
14.		UNKNOWN	33.02	700	J
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FORM I SV-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/25/05
Analysis Date: 29-OCT-2005 23:37
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 29.8

Lab ID: WV5604-4
Client ID: SD-19-SS
SDG: MID-5
Extracted by: GN
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG21993
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
123-91-1	1,4-Dioxane	U	1100	1.0	330	1100	550
62-75-9	N-Nitrosodimethylamine	U	1100	1.0	330	1100	550
110-86-1	Pyridine	U	1100	1.0	330	1100	550
62-53-3	Aniline	U	1100	1.0	330	1100	550
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	1100	1.0	330	1100	100
108-95-2	Phenol	U	1100	1.0	330	1100	310
111-44-4	Bis(2-Chloroethyl)ether	U	1100	1.0	330	1100	110
95-57-8	2-Chlorophenol	U	1100	1.0	330	1100	300
541-73-1	1,3-Dichlorobenzene	U	1100	1.0	330	1100	180
106-46-7	1,4-Dichlorobenzene	J	140	1.0	330	1100	84
100-51-6	Benzyl alcohol	U	1100	1.0	330	1100	100
95-48-7	2-Methylphenol	U	1100	1.0	330	1100	460
95-50-1	1,2-Dichlorobenzene	U	1100	1.0	330	1100	140
621-64-7	N-Nitroso-di-n-propylamine	U	1100	1.0	330	1100	190
106-44-5	3&4-Methylphenol	U	1100	1.0	330	1100	500
67-72-1	Hexachloroethane	U	1100	1.0	330	1100	200
98-95-3	Nitrobenzene	U	1100	1.0	330	1100	250
78-59-1	Isophorone	U	1100	1.0	330	1100	170
88-75-5	2-Nitrophenol	U	1100	1.0	330	1100	360
105-67-9	2,4-Dimethylphenol	U	1100	1.0	330	1100	390
111-91-1	Bis(2-Chloroethoxy)methane	U	1100	1.0	330	1100	180
65-85-0	Benzoic acid	U	2700	1.0	820	2700	1400
120-83-2	2,4-Dichlorophenol	U	1100	1.0	330	1100	450
120-82-1	1,2,4-Trichlorobenzene	U	1100	1.0	330	1100	150
91-20-3	Naphthalene	U	1100	1.0	330	1100	210
106-47-8	4-Chloroaniline	U	1100	1.0	330	1100	180
87-68-3	Hexachlorobutadiene	U	1100	1.0	330	1100	150
59-50-7	4-Chloro-3-Methylphenol	U	1100	1.0	330	1100	400
91-57-6	2-Methylnaphthalene	U	1100	1.0	330	1100	190
90-12-0	1-Methylnaphthalene	U	1100	1.0	330	1100	550
77-47-4	Hexachlorocyclopentadiene	U	1100	1.0	330	1100	250
88-06-2	2,4,6-Trichlorophenol	U	1100	1.0	330	1100	390
95-95-4	2,4,5-Trichlorophenol	U	2700	1.0	820	2700	600
91-58-7	2-Chloronaphthalene	U	1100	1.0	330	1100	160
88-74-4	2-Nitroaniline	U	2700	1.0	820	2700	250
131-11-3	Dimethyl Phthalate	U	1100	1.0	330	1100	210
606-20-2	2,6-Dinitrotoluene	U	1100	1.0	330	1100	260
208-96-8	Acenaphthylene	U	1100	1.0	330	1100	140
99-09-2	3-Nitroaniline	U	2700	1.0	820	2700	240
83-32-9	Acenaphthene	U	1100	1.0	330	1100	200
51-28-5	2,4-Dinitrophenol	U	2700	1.0	820	2700	210
132-64-9	Dibenzofuran	U	1100	1.0	330	1100	210
100-02-7	4-Nitrophenol	U	2700	1.0	820	2700	520

Sample Data Summary A0000219

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/25/05
Analysis Date: 29-OCT-2005 23:37
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 29.8

Lab ID: WV5604-4
Client ID: SD-19-SS
SDG: MID-5
Extracted by: GN
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG21993
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
121-14-2	2,4-Dinitrotoluene	U	1100	1.0	330	1100	330
84-66-2	Diethylphthalate	U	1100	1.0	330	1100	350
86-73-7	Fluorene	U	1100	1.0	330	1100	180
7005-72-3	4-Chlorophenyl-phenylether	U	1100	1.0	330	1100	170
100-01-6	4-Nitroaniline	U	2700	1.0	820	2700	290
534-52-1	4,6-Dinitro-2-Methylphenol	U	2700	1.0	820	2700	690
86-30-6	N-Nitrosodiphenylamine	U	1100	1.0	330	1100	240
103-33-3	Azobenzene	U	1100	1.0	330	1100	550
101-55-3	4-Bromophenyl-phenylether	U	1100	1.0	330	1100	190
118-74-1	Hexachlorobenzene	U	1100	1.0	330	1100	780
87-86-5	Pentachlorophenol	U	2700	1.0	820	2700	470
85-01-8	Phenanthrene	J	770	1.0	330	1100	190
120-12-7	Anthracene	J	210	1.0	330	1100	190
86-74-8	Carbazole	U	1100	1.0	330	1100	200
84-74-2	Di-n-butylphthalate	U	1100	1.0	330	1100	280
206-44-0	Fluoranthene		1500	1.0	330	1100	240
92-87-5	Benzidine	U	2700	1.0	820	2700	1400
129-00-0	Pyrene		2200	1.0	330	1100	240
85-68-7	Butylbenzylphthalate	U	1100	1.0	330	1100	230
56-55-3	Benzo(a)anthracene	J	770	1.0	330	1100	200
91-94-1	3,3'-Dichlorobenzidine	U	1100	1.0	330	1100	450
218-01-9	Chrysene	J	960	1.0	330	1100	220
117-81-7	bis(2-Ethylhexyl)phthalate	J	960	1.0	330	1100	250
117-84-0	Di-n-octylphthalate	U	1100	1.0	330	1100	250
205-99-2	Benzo(b)fluoranthene		1400	1.0	330	1100	210
207-08-9	Benzo(k)fluoranthene	J	670	1.0	330	1100	200
50-32-8	Benzo(a)pyrene	J	960	1.0	330	1100	150
193-39-5	Indeno(1,2,3-cd)pyrene	J	590	1.0	330	1100	450
53-70-3	Dibenzo(a,h)anthracene	U	1100	1.0	330	1100	470
191-24-2	Benzo(g,h,i)perylene	J	460	1.0	330	1100	430
367-12-4	2-Fluorophenol		79%				
13127-88-3	Phenol-D6		78%				
4165-60-0	Nitrobenzene-D5		70%				
321-60-8	2-Fluorobiphenyl		61%				
118-79-6	2,4,6-Tribromophenol		76%				
1718-51-0	Terphenyl-D14		80%				

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-19-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Matrix: (soil/water) SOIL Lab Sample ID: WV5604-4

Sample wt/vol: 0.030(Kg/mL) KG Lab File ID: X9021

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: 70 decanted: (Y/N) N Date Extracted:10/25/05

Concentrated Extract Volume: 0.001(L) Date Analyzed: 10/29/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 8

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	3.54	500	J
2.		UNKNOWN	5.23	4000	JB
3.	108-94-1	CYCLOHEXANONE	6.35	600	NJ
4.		UNKNOWN	16.86	600	J
5.	17233-71-5	HEXATHIEPANE	18.67	800	NJ
6.	10544-50-0	SULFUR, MOL. (S8)	20.43	5000	NJ
7.		UNKNOWN	24.58	9000	JB
8.		UNKNOWN	31.75	3000	J
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FORM I SV-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/25/05
Analysis Date: 29-OCT-2005 19:12
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 22.1

Lab ID: WV5604-7
Client ID: SD-20-SS
SDG: MID-5
Extracted by: GN
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG21993
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
123-91-1	1,4-Dioxane	U	1500	1.0	330	1500	740
62-75-9	N-Nitrosodimethylamine	U	1500	1.0	330	1500	740
110-86-1	Pyridine	U	1500	1.0	330	1500	740
62-53-3	Aniline	U	1500	1.0	330	1500	740
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	1500	1.0	330	1500	140
108-95-2	Phenol	U	1500	1.0	330	1500	410
111-44-4	Bis(2-Chloroethyl)ether	U	1500	1.0	330	1500	150
95-57-8	2-Chlorophenol	U	1500	1.0	330	1500	410
541-73-1	1,3-Dichlorobenzene	U	1500	1.0	330	1500	240
106-46-7	1,4-Dichlorobenzene	U	1500	1.0	330	1500	110
100-51-6	Benzyl alcohol	U	1500	1.0	330	1500	140
95-48-7	2-Methylphenol	U	1500	1.0	330	1500	610
95-50-1	1,2-Dichlorobenzene	U	1500	1.0	330	1500	190
621-64-7	N-Nitroso-di-n-propylamine	U	1500	1.0	330	1500	250
106-44-5	3&4-Methylphenol	U	1500	1.0	330	1500	680
67-72-1	Hexachloroethane	U	1500	1.0	330	1500	270
98-95-3	Nitrobenzene	U	1500	1.0	330	1500	340
78-59-1	Isophorone	U	1500	1.0	330	1500	230
88-75-5	2-Nitrophenol	U	1500	1.0	330	1500	480
105-67-9	2,4-Dimethylphenol	U	1500	1.0	330	1500	530
111-91-1	Bis(2-Chloroethoxy)methane	U	1500	1.0	330	1500	240
65-85-0	Benzoic acid	U	3700	1.0	820	3700	1800
120-83-2	2,4-Dichlorophenol	U	1500	1.0	330	1500	600
120-82-1	1,2,4-Trichlorobenzene	U	1500	1.0	330	1500	200
91-20-3	Naphthalene	U	1500	1.0	330	1500	290
106-47-8	4-Chloroaniline	U	1500	1.0	330	1500	240
87-68-3	Hexachlorobutadiene	U	1500	1.0	330	1500	200
59-50-7	4-Chloro-3-Methylphenol	U	1500	1.0	330	1500	530
91-57-6	2-Methylnaphthalene	U	1500	1.0	330	1500	260
90-12-0	1-Methylnaphthalene	U	1500	1.0	330	1500	740
77-47-4	Hexachlorocyclopentadiene	U	1500	1.0	330	1500	340
88-06-2	2,4,6-Trichlorophenol	U	1500	1.0	330	1500	530
95-95-4	2,4,5-Trichlorophenol	U	3700	1.0	820	3700	810
91-58-7	2-Chloronaphthalene	U	1500	1.0	330	1500	220
88-74-4	2-Nitroaniline	U	3700	1.0	820	3700	340
131-11-3	Dimethyl Phthalate	U	1500	1.0	330	1500	280
606-20-2	2,6-Dinitrotoluene	U	1500	1.0	330	1500	350
208-96-8	Acenaphthylene	U	1500	1.0	330	1500	180
99-09-2	3-Nitroaniline	U	3700	1.0	820	3700	320
83-32-9	Acenaphthene	U	1500	1.0	330	1500	270
51-28-5	2,4-Dinitrophenol	U	3700	1.0	820	3700	280
132-64-9	Dibenzofuran	U	1500	1.0	330	1500	280
100-02-7	4-Nitrophenol	U	3700	1.0	820	3700	700

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/25/05
Analysis Date: 29-OCT-2005 19:12
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 22.1

Lab ID: WV5604-7
Client ID: SD-20-SS
SDG: MID-5
Extracted by: GN
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG21993
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
121-14-2	2,4-Dinitrotoluene	U	1500	1.0	330	1500	440
84-66-2	Diethylphthalate	U	1500	1.0	330	1500	470
86-73-7	Fluorene	U	1500	1.0	330	1500	240
7005-72-3	4-Chlorophenyl-phenylether	U	1500	1.0	330	1500	230
100-01-6	4-Nitroaniline	U	3700	1.0	820	3700	390
534-52-1	4,6-Dinitro-2-Methylphenol	U	3700	1.0	820	3700	930
86-30-6	N-Nitrosodiphenylamine	U	1500	1.0	330	1500	320
103-33-3	Azobenzene	U	1500	1.0	330	1500	740
101-55-3	4-Bromophenyl-phenylether	U	1500	1.0	330	1500	250
118-74-1	Hexachlorobenzene	U	1500	1.0	330	1500	1000
87-86-5	Pentachlorophenol	U	3700	1.0	820	3700	640
85-01-8	Phenanthrene	J	350	1.0	330	1500	260
120-12-7	Anthracene	U	1500	1.0	330	1500	260
86-74-8	Carbazole	U	1500	1.0	330	1500	270
84-74-2	Di-n-butylphthalate	U	1500	1.0	330	1500	380
206-44-0	Fluoranthene	J	920	1.0	330	1500	320
92-87-5	Benzidine	U	3700	1.0	820	3700	1800
129-00-0	Pyrene	J	820	1.0	330	1500	320
85-68-7	Butylbenzylphthalate	U	1500	1.0	330	1500	310
56-55-3	Benzo(a)anthracene	J	360	1.0	330	1500	270
91-94-1	3,3'-Dichlorobenzidine	U	1500	1.0	330	1500	600
218-01-9	Chrysene	J	490	1.0	330	1500	300
117-81-7	bis(2-Ethylhexyl)phthalate	U	1500	1.0	330	1500	340
117-84-0	Di-n-octylphthalate	U	1500	1.0	330	1500	330
205-99-2	Benzo(b)fluoranthene	J	740	1.0	330	1500	290
207-08-9	Benzo(k)fluoranthene	J	290	1.0	330	1500	260
50-32-8	Benzo(a)pyrene	J	420	1.0	330	1500	200
193-39-5	Indeno(1,2,3-cd)pyrene	U	1500	1.0	330	1500	600
53-70-3	Dibenzo(a,h)anthracene	U	1500	1.0	330	1500	640
191-24-2	Benzo(g,h,i)perylene	U	1500	1.0	330	1500	580
367-12-4	2-Fluorophenol		69%				
13127-88-3	Phenol-D6		77%				
4165-60-0	Nitrobenzene-D5		62%				
321-60-8	2-Fluorobiphenyl		62%				
118-79-6	2,4,6-Tribromophenol		74%				
1718-51-0	Terphenyl-D14		* 66%				

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-20-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Matrix: (soil/water) SOIL Lab Sample ID: WV5604-7

Sample wt/vol: 0.030(Kg/mL) KG Lab File ID: X9015

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: 78 decanted: (Y/N) N Date Extracted:10/25/05

Concentrated Extract Volume: 0.001(L) Date Analyzed: 10/29/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 6

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	2.40	1000	JB
2.		UNKNOWN	5.21	4000	JB
3.	108-94-1	CYCLOHEXANONE	6.34	700	NJ
4.	17233-71-5	HEXATHIEPANE	18.66	1000	NJ
5.	10544-50-0	SULFUR, MOL. (S8)	21.12	40000	NJ
6.		UNKNOWN	24.59	8000	JB
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FORM I SV-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/25/05
Analysis Date: 29-OCT-2005 19:56
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 25.2

Lab ID: WV5604-8
Client ID: SD-21-SS
SDG: MID-5
Extracted by: GN
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG21993
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
123-91-1	1,4-Dioxane	U	1300	1.0	330	1300	650
62-75-9	N-Nitrosodimethylamine	U	1300	1.0	330	1300	650
110-86-1	Pyridine	U	1300	1.0	330	1300	650
62-53-3	Aniline	U	1300	1.0	330	1300	650
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	1300	1.0	330	1300	120
108-95-2	Phenol	U	1300	1.0	330	1300	360
111-44-4	Bis(2-Chloroethyl)ether	U	1300	1.0	330	1300	130
95-57-8	2-Chlorophenol	U	1300	1.0	330	1300	360
541-73-1	1,3-Dichlorobenzene	U	1300	1.0	330	1300	210
106-46-7	1,4-Dichlorobenzene	U	1300	1.0	330	1300	100
100-51-6	Benzyl alcohol	U	1300	1.0	330	1300	120
95-48-7	2-Methylphenol	U	1300	1.0	330	1300	540
95-50-1	1,2-Dichlorobenzene	U	1300	1.0	330	1300	170
621-64-7	N-Nitroso-di-n-propylamine	U	1300	1.0	330	1300	220
106-44-5	3&4-Methylphenol	U	1300	1.0	330	1300	590
67-72-1	Hexachloroethane	U	1300	1.0	330	1300	240
98-95-3	Nitrobenzene	U	1300	1.0	330	1300	290
78-59-1	Isophorone	U	1300	1.0	330	1300	210
88-75-5	2-Nitrophenol	U	1300	1.0	330	1300	420
105-67-9	2,4-Dimethylphenol	U	1300	1.0	330	1300	460
111-91-1	Bis(2-Chloroethoxy)methane	U	1300	1.0	330	1300	210
65-85-0	Benzoic acid	U	3200	1.0	820	3200	1600
120-83-2	2,4-Dichlorophenol	U	1300	1.0	330	1300	530
120-82-1	1,2,4-Trichlorobenzene	U	1300	1.0	330	1300	170
91-20-3	Naphthalene	U	1300	1.0	330	1300	250
106-47-8	4-Chloroaniline	U	1300	1.0	330	1300	210
87-68-3	Hexachlorobutadiene	U	1300	1.0	330	1300	170
59-50-7	4-Chloro-3-Methylphenol	U	1300	1.0	330	1300	470
91-57-6	2-Methylnaphthalene	U	1300	1.0	330	1300	220
90-12-0	1-Methylnaphthalene	U	1300	1.0	330	1300	650
77-47-4	Hexachlorocyclopentadiene	U	1300	1.0	330	1300	300
88-06-2	2,4,6-Trichlorophenol	U	1300	1.0	330	1300	460
95-95-4	2,4,5-Trichlorophenol	U	3200	1.0	820	3200	710
91-58-7	2-Chloronaphthalene	U	1300	1.0	330	1300	190
88-74-4	2-Nitroaniline	U	3200	1.0	820	3200	300
131-11-3	Dimethyl Phthalate	U	1300	1.0	330	1300	250
606-20-2	2,6-Dinitrotoluene	U	1300	1.0	330	1300	310
208-96-8	Acenaphthylene	U	1300	1.0	330	1300	160
99-09-2	3-Nitroaniline	U	3200	1.0	820	3200	280
83-32-9	Acenaphthene	U	1300	1.0	330	1300	240
51-28-5	2,4-Dinitrophenol	U	3200	1.0	820	3200	240
132-64-9	Dibenzofuran	U	1300	1.0	330	1300	240
100-02-7	4-Nitrophenol	U	3200	1.0	820	3200	610

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/25/05
Analysis Date: 29-OCT-2005 19:56
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 25.2

Lab ID: WV5604-8
Client ID: SD-21-SS
SDG: MID-5
Extracted by: GN
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG21993
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
121-14-2	2,4-Dinitrotoluene	U	1300	1.0	330	1300	390
84-66-2	Diethylphthalate	U	1300	1.0	330	1300	410
86-73-7	Fluorene	U	1300	1.0	330	1300	210
7005-72-3	4-Chlorophenyl-phenylether	U	1300	1.0	330	1300	200
100-01-6	4-Nitroaniline	U	3200	1.0	820	3200	340
534-52-1	4,6-Dinitro-2-Methylphenol	U	3200	1.0	820	3200	820
86-30-6	N-Nitrosodiphenylamine	U	1300	1.0	330	1300	280
103-33-3	Azobenzene	U	1300	1.0	330	1300	650
101-55-3	4-Bromophenyl-phenylether	U	1300	1.0	330	1300	220
118-74-1	Hexachlorobenzene	U	1300	1.0	330	1300	920
87-86-5	Pentachlorophenol	U	3200	1.0	820	3200	560
85-01-8	Phenanthrene	J	350	1.0	330	1300	230
120-12-7	Anthracene	U	1300	1.0	330	1300	230
86-74-8	Carbazole	U	1300	1.0	330	1300	240
84-74-2	Di-n-butylphthalate	U	1300	1.0	330	1300	330
206-44-0	Fluoranthene	J	990	1.0	330	1300	280
92-87-5	Benzidine	U	3200	1.0	820	3200	1600
129-00-0	Pyrene	J	950	1.0	330	1300	280
85-68-7	Butylbenzylphthalate	U	1300	1.0	330	1300	270
56-55-3	Benzo(a)anthracene	J	350	1.0	330	1300	230
91-94-1	3,3'-Dichlorobenzidine	U	1300	1.0	330	1300	530
218-01-9	Chrysene	J	570	1.0	330	1300	260
117-81-7	bis(2-Ethylhexyl)phthalate	J	360	1.0	330	1300	290
117-84-0	Di-n-octylphthalate	U	1300	1.0	330	1300	290
205-99-2	Benzo(b)fluoranthene	J	800	1.0	330	1300	250
207-08-9	Benzo(k)fluoranthene	J	350	1.0	330	1300	230
50-32-8	Benzo(a)pyrene	J	520	1.0	330	1300	180
193-39-5	Indeno(1,2,3-cd)pyrene	U	1300	1.0	330	1300	530
53-70-3	Dibenzo(a,h)anthracene	U	1300	1.0	330	1300	560
191-24-2	Benzo(g,h,i)perylene	U	1300	1.0	330	1300	510
367-12-4	2-Fluorophenol		68%				
13127-88-3	Phenol-D6		82%				
4165-60-0	Nitrobenzene-D5		63%				
321-60-8	2-Fluorobiphenyl		68%				
118-79-6	2,4,6-Tribromophenol		85%				
1718-51-0	Terphenyl-D14		* 74%				

Sample Data Summary A0000232

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-21-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Matrix: (soil/water) SOIL Lab Sample ID: WV5604-8

Sample wt/vol: 0.030(Kg/mL) KG Lab File ID: X9016

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: 75 decanted: (Y/N) N Date Extracted:10/25/05

Concentrated Extract Volume: 0.001(L) Date Analyzed: 10/29/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 12

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	2.40	700	JB
2.		UNKNOWN	5.22	3000	JB
3.		UNKNOWN	16.60	800	J
4.		UNKNOWN ALKANE	18.14	1000	J
5.	17233-71-5	HEXATHIEPANE	18.66	2000	J
6.	10544-50-0	SULFUR, MOL. (S8)	20.85	60000	NJ
7.		UNKNOWN	22.27	4000	JB
8.		UNKNOWN	24.59	10000	JB
9.		UNKNOWN	25.30	800	J
10.		UNKNOWN ALKANE	25.61	600	J
11.		UNKNOWN	30.81	1000	J
12.		UNKNOWN	31.75	7000	J
13.					
14.					
15.					
16.					
17.					
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19.					
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FORM I SV-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/27/05
Analysis Date: 29-OCT-2005 20:40
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 22.9

Lab ID: WV5604-9
Client ID: SD-22-SS
SDG: MID-5
Extracted by: KF
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG22096
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
123-91-1	1,4-Dioxane	U	1400	1.0	330	1400	720
62-75-9	N-Nitrosodimethylamine	U	1400	1.0	330	1400	720
110-86-1	Pyridine	U	1400	1.0	330	1400	720
62-53-3	Aniline	U	1400	1.0	330	1400	720
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	1400	1.0	330	1400	130
108-95-2	Phenol	U	1400	1.0	330	1400	400
111-44-4	Bis(2-Chloroethyl)ether	U	1400	1.0	330	1400	140
95-57-8	2-Chlorophenol	U	1400	1.0	330	1400	390
541-73-1	1,3-Dichlorobenzene	U	1400	1.0	330	1400	230
106-46-7	1,4-Dichlorobenzene	J	450	1.0	330	1400	110
100-51-6	Benzyl alcohol	U	1400	1.0	330	1400	130
95-48-7	2-Methylphenol	U	1400	1.0	330	1400	590
95-50-1	1,2-Dichlorobenzene	U	1400	1.0	330	1400	180
621-64-7	N-Nitroso-di-n-propylamine	U	1400	1.0	330	1400	240
106-44-5	3&4-Methylphenol	U	1400	1.0	330	1400	650
67-72-1	Hexachloroethane	U	1400	1.0	330	1400	260
98-95-3	Nitrobenzene	U	1400	1.0	330	1400	320
78-59-1	Isophorone	U	1400	1.0	330	1400	230
88-75-5	2-Nitrophenol	U	1400	1.0	330	1400	470
105-67-9	2,4-Dimethylphenol	U	1400	1.0	330	1400	510
111-91-1	Bis(2-Chloroethoxy)methane	U	1400	1.0	330	1400	230
65-85-0	Benzoic acid	U	3600	1.0	820	3600	1800
120-83-2	2,4-Dichlorophenol	U	1400	1.0	330	1400	580
120-82-1	1,2,4-Trichlorobenzene	U	1400	1.0	330	1400	190
91-20-3	Naphthalene	U	1400	1.0	330	1400	280
106-47-8	4-Chloroaniline	U	1400	1.0	330	1400	230
87-68-3	Hexachlorobutadiene	U	1400	1.0	330	1400	190
59-50-7	4-Chloro-3-Methylphenol	U	1400	1.0	330	1400	520
91-57-6	2-Methylnaphthalene	U	1400	1.0	330	1400	250
90-12-0	1-Methylnaphthalene	U	1400	1.0	330	1400	720
77-47-4	Hexachlorocyclopentadiene	U	1400	1.0	330	1400	330
88-06-2	2,4,6-Trichlorophenol	U	1400	1.0	330	1400	510
95-95-4	2,4,5-Trichlorophenol	U	3600	1.0	820	3600	780
91-58-7	2-Chloronaphthalene	U	1400	1.0	330	1400	210
88-74-4	2-Nitroaniline	U	3600	1.0	820	3600	330
131-11-3	Dimethyl Phthalate	U	1400	1.0	330	1400	270
606-20-2	2,6-Dinitrotoluene	U	1400	1.0	330	1400	340
208-96-8	Acenaphthylene	U	1400	1.0	330	1400	180
99-09-2	3-Nitroaniline	U	3600	1.0	820	3600	310
83-32-9	Acenaphthene	U	1400	1.0	330	1400	260
51-28-5	2,4-Dinitrophenol	U	3600	1.0	820	3600	270
132-64-9	Dibenzofuran	U	1400	1.0	330	1400	270
100-02-7	4-Nitrophenol	U	3600	1.0	820	3600	680

Sample Data Summary A0000234

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/27/05
Analysis Date: 29-OCT-2005 20:40
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 22.9

Lab ID: WV5604-9
Client ID: SD-22-SS
SDG: MID-5
Extracted by: KF
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG22096
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
121-14-2	2,4-Dinitrotoluene	U	1400	1.0	330	1400	420
84-66-2	Diethylphthalate	U	1400	1.0	330	1400	450
86-73-7	Fluorene	U	1400	1.0	330	1400	230
7005-72-3	4-Chlorophenyl-phenylether	U	1400	1.0	330	1400	220
100-01-6	4-Nitroaniline	U	3600	1.0	820	3600	370
534-52-1	4,6-Dinitro-2-Methylphenol	U	3600	1.0	820	3600	900
86-30-6	N-Nitrosodiphenylamine	U	1400	1.0	330	1400	310
103-33-3	Azobenzene	U	1400	1.0	330	1400	720
101-55-3	4-Bromophenyl-phenylether	U	1400	1.0	330	1400	240
118-74-1	Hexachlorobenzene	U	1400	1.0	330	1400	1000
87-86-5	Pentachlorophenol	U	3600	1.0	820	3600	610
85-01-8	Phenanthrene	J	460	1.0	330	1400	250
120-12-7	Anthracene	U	1400	1.0	330	1400	250
86-74-8	Carbazole	U	1400	1.0	330	1400	260
84-74-2	Di-n-butylphthalate	U	1400	1.0	330	1400	370
206-44-0	Fluoranthene	J	1000	1.0	330	1400	310
92-87-5	Benzidine	U	3600	1.0	820	3600	1800
129-00-0	Pyrene	J	1300	1.0	330	1400	310
85-68-7	Butylbenzylphthalate	U	1400	1.0	330	1400	300
56-55-3	Benzo(a)anthracene	J	400	1.0	330	1400	260
91-94-1	3,3'-Dichlorobenzidine	U	1400	1.0	330	1400	580
218-01-9	Chrysene	J	690	1.0	330	1400	290
117-81-7	bis(2-Ethylhexyl)phthalate	J	440	1.0	330	1400	320
117-84-0	Di-n-octylphthalate	U	1400	1.0	330	1400	320
205-99-2	Benzo(b)fluoranthene	J	1000	1.0	330	1400	280
207-08-9	Benzo(k)fluoranthene	J	520	1.0	330	1400	260
50-32-8	Benzo(a)pyrene	J	580	1.0	330	1400	200
193-39-5	Indeno(1,2,3-cd)pyrene	U	1400	1.0	330	1400	580
53-70-3	Dibenzo(a,h)anthracene	U	1400	1.0	330	1400	610
191-24-2	Benzo(g,h,i)perylene	U	1400	1.0	330	1400	560
367-12-4	2-Fluorophenol		88%				
13127-88-3	Phenol-D6		97%				
4165-60-0	Nitrobenzene-D5		77%				
321-60-8	2-Fluorobiphenyl		69%				
118-79-6	2,4,6-Tribromophenol		69%				
1718-51-0	Terphenyl-D14		84%				

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-22-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Matrix: (soil/water) SOIL Lab Sample ID: WV5604-9

Sample wt/vol: 0.030(Kg/mL) KG Lab File ID: X9017

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: 77 decanted: (Y/N) N Date Extracted:10/27/05

Concentrated Extract Volume: 0.001(L) Date Analyzed: 10/29/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 8

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	2.42	800	JB
2.		UNKNOWN	4.20	600	J
3.		UNKNOWN	5.23	5000	JB
4.		UNKNOWN ALKANE	18.14	2000	J
5.	10544-50-0	SULFUR, MOL. (S8)	20.85	6000	NJ
6.		UNKNOWN ALKANE	25.62	2000	J
7.		UNKNOWN ALKANE	27.14	1000	J
8.		UNKNOWN	27.67	700	J
9.					
10.					
11.					
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FORM I SV-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/27/05
Analysis Date: 29-OCT-2005 21:24
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 23.1

Lab ID: WV5604-10
Client ID: SD-23-SS
SDG: MID-5
Extracted by: KF
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG22096
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
123-91-1	1,4-Dioxane	U	1400	1.0	330	1400	710
62-75-9	N-Nitrosodimethylamine	U	1400	1.0	330	1400	710
110-86-1	Pyridine	U	1400	1.0	330	1400	710
62-53-3	Aniline	U	1400	1.0	330	1400	710
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	1400	1.0	330	1400	130
108-95-2	Phenol	U	1400	1.0	330	1400	400
111-44-4	Bis(2-Chloroethyl)ether	U	1400	1.0	330	1400	140
95-57-8	2-Chlorophenol	U	1400	1.0	330	1400	390
541-73-1	1,3-Dichlorobenzene	U	1400	1.0	330	1400	230
106-46-7	1,4-Dichlorobenzene	U	1400	1.0	330	1400	110
100-51-6	Benzyl alcohol	U	1400	1.0	330	1400	130
95-48-7	2-Methylphenol	U	1400	1.0	330	1400	590
95-50-1	1,2-Dichlorobenzene	U	1400	1.0	330	1400	180
621-64-7	N-Nitroso-di-n-propylamine	U	1400	1.0	330	1400	240
106-44-5	3&4-Methylphenol	U	1400	1.0	330	1400	650
67-72-1	Hexachloroethane	U	1400	1.0	330	1400	260
98-95-3	Nitrobenzene	U	1400	1.0	330	1400	320
78-59-1	Isophorone	U	1400	1.0	330	1400	220
88-75-5	2-Nitrophenol	U	1400	1.0	330	1400	460
105-67-9	2,4-Dimethylphenol	U	1400	1.0	330	1400	510
111-91-1	Bis(2-Chloroethoxy)methane	U	1400	1.0	330	1400	230
65-85-0	Benzoic acid	U	3600	1.0	820	3600	1800
120-83-2	2,4-Dichlorophenol	U	1400	1.0	330	1400	580
120-82-1	1,2,4-Trichlorobenzene	U	1400	1.0	330	1400	190
91-20-3	Naphthalene	U	1400	1.0	330	1400	280
106-47-8	4-Chloroaniline	U	1400	1.0	330	1400	230
87-68-3	Hexachlorobutadiene	U	1400	1.0	330	1400	190
59-50-7	4-Chloro-3-Methylphenol	U	1400	1.0	330	1400	510
91-57-6	2-Methylnaphthalene	U	1400	1.0	330	1400	240
90-12-0	1-Methylnaphthalene	U	1400	1.0	330	1400	710
77-47-4	Hexachlorocyclopentadiene	U	1400	1.0	330	1400	320
88-06-2	2,4,6-Trichlorophenol	U	1400	1.0	330	1400	510
95-95-4	2,4,5-Trichlorophenol	U	3600	1.0	820	3600	780
91-58-7	2-Chloronaphthalene	U	1400	1.0	330	1400	210
88-74-4	2-Nitroaniline	U	3600	1.0	820	3600	320
131-11-3	Dimethyl Phthalate	U	1400	1.0	330	1400	270
606-20-2	2,6-Dinitrotoluene	U	1400	1.0	330	1400	330
208-96-8	Acenaphthylene	U	1400	1.0	330	1400	170
99-09-2	3-Nitroaniline	U	3600	1.0	820	3600	310
83-32-9	Acenaphthene	U	1400	1.0	330	1400	260
51-28-5	2,4-Dinitrophenol	U	3600	1.0	820	3600	270
132-64-9	Dibenzofuran	U	1400	1.0	330	1400	270
100-02-7	4-Nitrophenol	U	3600	1.0	820	3600	670

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/27/05
Analysis Date: 29-OCT-2005 21:24
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 23.1

Lab ID: WV5604-10
Client ID: SD-23-SS
SDG: MID-5
Extracted by: KF
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG22096
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
121-14-2	2,4-Dinitrotoluene	U	1400	1.0	330	1400	420
84-66-2	Diethylphthalate	U	1400	1.0	330	1400	450
86-73-7	Fluorene	U	1400	1.0	330	1400	230
7005-72-3	4-Chlorophenyl-phenylether	U	1400	1.0	330	1400	220
100-01-6	4-Nitroaniline	U	3600	1.0	820	3600	370
534-52-1	4,6-Dinitro-2-Methylphenol	U	3600	1.0	820	3600	900
86-30-6	N-Nitrosodiphenylamine	U	1400	1.0	330	1400	310
103-33-3	Azobenzene	U	1400	1.0	330	1400	710
101-55-3	4-Bromophenyl-phenylether	U	1400	1.0	330	1400	240
118-74-1	Hexachlorobenzene	U	1400	1.0	330	1400	1000
87-86-5	Pentachlorophenol	U	3600	1.0	820	3600	610
85-01-8	Phenanthrene	J	300	1.0	330	1400	250
120-12-7	Anthracene	U	1400	1.0	330	1400	250
86-74-8	Carbazole	U	1400	1.0	330	1400	260
84-74-2	Di-n-butylphthalate	U	1400	1.0	330	1400	360
206-44-0	Fluoranthene	J	860	1.0	330	1400	310
92-87-5	Benzidine	U	3600	1.0	820	3600	1800
129-00-0	Pyrene	J	1100	1.0	330	1400	310
85-68-7	Butylbenzylphthalate	U	1400	1.0	330	1400	290
56-55-3	Benzo(a)anthracene	J	350	1.0	330	1400	260
91-94-1	3,3'-Dichlorobenzidine	U	1400	1.0	330	1400	580
218-01-9	Chrysene	J	530	1.0	330	1400	280
117-81-7	bis(2-Ethylhexyl)phthalate	J	360	1.0	330	1400	320
117-84-0	Di-n-octylphthalate	U	1400	1.0	330	1400	320
205-99-2	Benzo(b)fluoranthene	J	830	1.0	330	1400	280
207-08-9	Benzo(k)fluoranthene	J	280	1.0	330	1400	250
50-32-8	Benzo(a)pyrene	J	480	1.0	330	1400	200
193-39-5	Indeno(1,2,3-cd)pyrene	U	1400	1.0	330	1400	580
53-70-3	Dibenzo(a,h)anthracene	U	1400	1.0	330	1400	610
191-24-2	Benzo(g,h,i)perylene	U	1400	1.0	330	1400	560
367-12-4	2-Fluorophenol		60%				
13127-88-3	Phenol-D6		72%				
4165-60-0	Nitrobenzene-D5		55%				
321-60-8	2-Fluorobiphenyl		61%				
118-79-6	2,4,6-Tribromophenol		73%				
1718-51-0	Terphenyl-D14		81%				

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-23-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Matrix: (soil/water) SOIL Lab Sample ID: WV5604-10

Sample wt/vol: 0.030(Kg/mL) KG Lab File ID: X9018

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: 77 decanted: (Y/N) N Date Extracted:10/27/05

Concentrated Extract Volume: 0.001(L) Date Analyzed: 10/29/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 6

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	2.41	800	JB
2.		UNKNOWN	5.22	3000	JB
3.		UNKNOWN ALKANE	18.14	80	J
4.	10544-50-0	SULFUR, MOL. (S8)	22.03	200	NJ
5.		UNKNOWN	26.66	6000	J
6.		UNKNOWN ALKANE	27.14	1000	J
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FORM I SV-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date: 10/25/05
Analysis Date: 27-OCT-2005 21:51
Report Date: 10/31/2005
Matrix: SOIL
% Solids: 32.3

Lab ID: WV5583-2RA
Client ID: SD-13-01
SDG: MID-5
Extracted by: GN
Extraction Method: SW846 3545
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG21992
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	53	1.0	17	53	23
11104-28-2	Aroclor-1221	U	53	1.0	17	53	28
11141-16-5	Aroclor-1232	U	53	1.0	17	53	16
53469-21-9	Aroclor-1242	U	53	1.0	17	53	21
12672-29-6	Aroclor-1248	U	53	1.0	17	53	18
11097-69-1	Aroclor-1254	U	53	1.0	17	53	40
11096-82-5	Aroclor-1260		2500	1.0	17	53	13
877-09-8	Tetrachloro-m-xylene		80%				
2051-24-3	Decachlorobiphenyl		*122%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date: 10/25/05
Analysis Date: 27-OCT-2005 22:20
Report Date: 10/31/2005
Matrix: SOIL
% Solids: 41.2

Lab ID: WV5583-3
Client ID: SD-13-02
SDG: MID-5
Extracted by: GN
Extraction Method: SW846 3545
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG21992
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	41	1.0	17	41	18
11104-28-2	Aroclor-1221	U	41	1.0	17	41	22
11141-16-5	Aroclor-1232	U	41	1.0	17	41	13
53469-21-9	Aroclor-1242	U	41	1.0	17	41	16
12672-29-6	Aroclor-1248	U	41	1.0	17	41	14
11097-69-1	Aroclor-1254	U	41	1.0	17	41	31
11096-82-5	Aroclor-1260		670	1.0	17	41	10
877-09-8	Tetrachloro-m-xylene		79%				
2051-24-3	Decachlorobiphenyl		*108%				

6VJ7022.d

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date: 10/25/05
Analysis Date: 27-OCT-2005 21:23
Report Date: 10/31/2005
Matrix: SOIL
% Solids: 25.6

Lab ID: WV5583-1RA
Client ID: SD-13-SS
SDG: MID-5
Extracted by: GN
Extraction Method: SW846 3545
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG21992
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	66	1.0	17	66	29
11104-28-2	Aroclor-1221	U	66	1.0	17	66	35
11141-16-5	Aroclor-1232	U	66	1.0	17	66	20
53469-21-9	Aroclor-1242	U	66	1.0	17	66	26
12672-29-6	Aroclor-1248	U	66	1.0	17	66	22
11097-69-1	Aroclor-1254	U	66	1.0	17	66	50
11096-82-5	Aroclor-1260		1400	1.0	17	66	16
877-09-8	Tetrachloro-m-xylene		80%				
2051-24-3	Decachlorobiphenyl		82%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date: 10/25/05
Analysis Date: 27-OCT-2005 23:16
Report Date: 10/31/2005
Matrix: SOIL
% Solids: 46.3

Lab ID: WV5583-5
Client ID: SD-14-01
SDG: MID-5
Extracted by: GN
Extraction Method: SW846 3545
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG21992
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	37	1.0	17	37	16
11104-28-2	Aroclor-1221	U	37	1.0	17	37	19
11141-16-5	Aroclor-1232	U	37	1.0	17	37	11
53469-21-9	Aroclor-1242	U	37	1.0	17	37	14
12672-29-6	Aroclor-1248	U	37	1.0	17	37	12
11097-69-1	Aroclor-1254	U	37	1.0	17	37	28
11096-82-5	Aroclor-1260	U	37	1.0	17	37	9.0
877-09-8	Tetrachloro-m-xylene		62%				
2051-24-3	Decachlorobiphenyl		71%				

6VJ7024.d

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date: 10/25/05
Analysis Date: 27-OCT-2005 23:44
Report Date: 10/31/2005
Matrix: SOIL
% Solids: 48.4

Lab ID: WV5583-6
Client ID: SD-14-02
SDG: MID-5
Extracted by: GN
Extraction Method: SW846 3545
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG21992
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	35	1.0	17	35	16
11104-28-2	Aroclor-1221	U	35	1.0	17	35	18
11141-16-5	Aroclor-1232	U	35	1.0	17	35	11
53469-21-9	Aroclor-1242	U	35	1.0	17	35	14
12672-29-6	Aroclor-1248	U	35	1.0	17	35	12
11097-69-1	Aroclor-1254	U	35	1.0	17	35	26
11096-82-5	Aroclor-1260	U	35	1.0	17	35	8.6
877-09-8	Tetrachloro-m-xylene		93%				
2051-24-3	Decachlorobiphenyl		89%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date: 10/25/05
Analysis Date: 27-OCT-2005 22:48
Report Date: 10/31/2005
Matrix: SOIL
% Solids: 77.2

Lab ID: WV5583-4
Client ID: SD-14-SS
SDG: MID-5
Extracted by: GN
Extraction Method: SW846 3545
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG21992
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	22	1.0	17	22	9.8
11104-28-2	Aroclor-1221	U	22	1.0	17	22	12
11141-16-5	Aroclor-1232	U	22	1.0	17	22	6.8
53469-21-9	Aroclor-1242	U	22	1.0	17	22	8.7
12672-29-6	Aroclor-1248	U	22	1.0	17	22	7.4
11097-69-1	Aroclor-1254	U	22	1.0	17	22	17
11096-82-5	Aroclor-1260		480	1.0	17	22	5.4
877-09-8	Tetrachloro-m-xylene		84%				
2051-24-3	Decachlorobiphenyl		85%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/25/05
Analysis Date: 28-OCT-2005 01:37
Report Date: 10/31/2005
Matrix: SOIL
% Solids: 24.9

Lab ID: WV5604-1
Client ID: SD-15-SS
SDG: MID-5
Extracted by: GN
Extraction Method: SW846 3545
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG21992
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	68	1.0	17	68	30
11104-28-2	Aroclor-1221	U	68	1.0	17	68	36
11141-16-5	Aroclor-1232	U	68	1.0	17	68	21
53469-21-9	Aroclor-1242	U	68	1.0	17	68	27
12672-29-6	Aroclor-1248	U	68	1.0	17	68	23
11097-69-1	Aroclor-1254	U	68	1.0	17	68	52
11096-82-5	Aroclor-1260		1300	1.0	17	68	17
877-09-8	Tetrachloro-m-xylene		82%				
2051-24-3	Decachlorobiphenyl		77%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date: 10/25/05
Analysis Date: 28-OCT-2005 13:44
Report Date: 10/31/2005
Matrix: SOIL
% Solids: 31.7

Lab ID: WV5583-8RA
Client ID: SD-16-01
SDG: MID-5
Extracted by: GN
Extraction Method: SW846 3545
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG21992
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	54	1.0	17	54	24
11104-28-2	Aroclor-1221	U	54	1.0	17	54	28
11141-16-5	Aroclor-1232	U	54	1.0	17	54	17
53469-21-9	Aroclor-1242	U	54	1.0	17	54	21
12672-29-6	Aroclor-1248	U	54	1.0	17	54	18
11097-69-1	Aroclor-1254	U	54	1.0	17	54	40
11096-82-5	Aroclor-1260		1400	1.0	17	54	13
877-09-8	Tetrachloro-m-xylene		86%				
2051-24-3	Decachlorobiphenyl		95%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date: 10/25/05
Analysis Date: 28-OCT-2005 14:12
Report Date: 10/31/2005
Matrix: SOIL
% Solids: 31.8

Lab ID: WV5583-9RA
Client ID: SD-16-02
SDG: MID-5
Extracted by: GN
Extraction Method: SW846 3545
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG21992
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	53	1.0	17	53	24
11104-28-2	Aroclor-1221	U	53	1.0	17	53	28
11141-16-5	Aroclor-1232	U	53	1.0	17	53	16
53469-21-9	Aroclor-1242	U	53	1.0	17	53	21
12672-29-6	Aroclor-1248	U	53	1.0	17	53	18
11097-69-1	Aroclor-1254	U	53	1.0	17	53	40
11096-82-5	Aroclor-1260	U	53	1.0	17	53	13
877-09-8	Tetrachloro-m-xylene		100%				
2051-24-3	Decachlorobiphenyl		80%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date: 10/25/05
Analysis Date: 28-OCT-2005 13:16
Report Date: 10/31/2005
Matrix: SOIL
% Solids: 24.0

Lab ID: WV5583-7RA
Client ID: SD-16-SS
SDG: MID-5
Extracted by: GN
Extraction Method: SW846 3545
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG21992
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	71	1.0	17	71	31
11104-28-2	Aroclor-1221	U	71	1.0	17	71	37
11141-16-5	Aroclor-1232	U	71	1.0	17	71	22
53469-21-9	Aroclor-1242	U	71	1.0	17	71	28
12672-29-6	Aroclor-1248	U	71	1.0	17	71	24
11097-69-1	Aroclor-1254	U	71	1.0	17	71	54
11096-82-5	Aroclor-1260		1400	1.0	17	71	17
877-09-8	Tetrachloro-m-xylene		81%				
2051-24-3	Decachlorobiphenyl		82%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/28/05
Analysis Date: 30-OCT-2005 17:59
Report Date: 10/31/2005
Matrix: SOIL
% Solids: 24.8

Lab ID: WV5604-2
Client ID: SD-17-SS
SDG: MID-5
Extracted by: GN
Extraction Method: SW846 3540
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG22175
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	69	1.0	17	69	30
11104-28-2	Aroclor-1221	U	69	1.0	17	69	36
11141-16-5	Aroclor-1232	U	69	1.0	17	69	21
53469-21-9	Aroclor-1242	U	69	1.0	17	69	27
12672-29-6	Aroclor-1248	U	69	1.0	17	69	23
11097-69-1	Aroclor-1254	U	69	1.0	17	69	52
11096-82-5	Aroclor-1260		1100	1.0	17	69	17
877-09-8	Tetrachloro-m-xylene		81%				
2051-24-3	Decachlorobiphenyl		81%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/28/05
Analysis Date: 30-OCT-2005 18:27
Report Date: 10/31/2005
Matrix: SOIL
% Solids: 21.8

Lab ID: WV5604-3
Client ID: SD-18-SS
SDG: MID-5
Extracted by: GN
Extraction Method: SW846 3540
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG22175
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	78	1.0	17	78	34
11104-28-2	Aroclor-1221	U	78	1.0	17	78	41
11141-16-5	Aroclor-1232	U	78	1.0	17	78	24
53469-21-9	Aroclor-1242	U	78	1.0	17	78	31
12672-29-6	Aroclor-1248	U	78	1.0	17	78	26
11097-69-1	Aroclor-1254	U	78	1.0	17	78	59
11096-82-5	Aroclor-1260		780	1.0	17	78	19
877-09-8	Tetrachloro-m-xylene		81%				
2051-24-3	Decachlorobiphenyl		78%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/28/05
Analysis Date: 30-OCT-2005 19:24
Report Date: 10/31/2005
Matrix: SOIL
% Solids: 31.7

Lab ID: WV5604-5
Client ID: SD-19-01
SDG: MID-5
Extracted by: GN
Extraction Method: SW846 3540
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG22175
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	54	1.0	17	54	24
11104-28-2	Aroclor-1221	U	54	1.0	17	54	28
11141-16-5	Aroclor-1232	U	54	1.0	17	54	17
53469-21-9	Aroclor-1242	U	54	1.0	17	54	21
12672-29-6	Aroclor-1248	U	54	1.0	17	54	18
11097-69-1	Aroclor-1254	U	54	1.0	17	54	40
11096-82-5	Aroclor-1260		330	1.0	17	54	13
877-09-8	Tetrachloro-m-xylene		86%				
2051-24-3	Decachlorobiphenyl		100%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/28/05
Analysis Date: 30-OCT-2005 19:52
Report Date: 10/31/2005
Matrix: SOIL
% Solids: 66.8

Lab ID: WV5604-6
Client ID: SD-19-02
SDG: MID-5
Extracted by: GN
Extraction Method: SW846 3540
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG22175
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	25	1.0	17	25	11
11104-28-2	Aroclor-1221	U	25	1.0	17	25	13
11141-16-5	Aroclor-1232	U	25	1.0	17	25	7.9
53469-21-9	Aroclor-1242	U	25	1.0	17	25	10
12672-29-6	Aroclor-1248	U	25	1.0	17	25	8.6
11097-69-1	Aroclor-1254	U	25	1.0	17	25	19
11096-82-5	Aroclor-1260		49	1.0	17	25	6.2
877-09-8	Tetrachloro-m-xylene		93%				
2051-24-3	Decachlorobiphenyl		86%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/28/05
Analysis Date: 30-OCT-2005 18:56
Report Date: 10/31/2005
Matrix: SOIL
% Solids: 29.8

Lab ID: WV5604-4
Client ID: SD-19-SS
SDG: MID-5
Extracted by: GN
Extraction Method: SW846 3540
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG22175
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	57	1.0	17	57	25
11104-28-2	Aroclor-1221	U	57	1.0	17	57	30
11141-16-5	Aroclor-1232	U	57	1.0	17	57	18
53469-21-9	Aroclor-1242	U	57	1.0	17	57	22
12672-29-6	Aroclor-1248	U	57	1.0	17	57	19
11097-69-1	Aroclor-1254	U	57	1.0	17	57	43
11096-82-5	Aroclor-1260		2800	1.0	17	57	14
877-09-8	Tetrachloro-m-xylene		74%				
2051-24-3	Decachlorobiphenyl		70%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/28/05
Analysis Date: 30-OCT-2005 20:21
Report Date: 10/31/2005
Matrix: SOIL
% Solids: 22.1

Lab ID: WV5604-7
Client ID: SD-20-SS
SDG: MID-5
Extracted by: GN
Extraction Method: SW846 3540
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG22175
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	77	1.0	17	77	34
11104-28-2	Aroclor-1221	U	77	1.0	17	77	41
11141-16-5	Aroclor-1232	U	77	1.0	17	77	24
53469-21-9	Aroclor-1242	U	77	1.0	17	77	30
12672-29-6	Aroclor-1248	U	77	1.0	17	77	26
11097-69-1	Aroclor-1254	U	77	1.0	17	77	58
11096-82-5	Aroclor-1260		1100	1.0	17	77	19
877-09-8	Tetrachloro-m-xylene		70%				
2051-24-3	Decachlorobiphenyl		59%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/28/05
Analysis Date: 30-OCT-2005 20:49
Report Date: 10/31/2005
Matrix: SOIL
% Solids: 25.2

Lab ID: WV5604-8
Client ID: SD-21-SS
SDG: MID-5
Extracted by: GN
Extraction Method: SW846 3540
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG22175
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	67	1.0	17	67	30
11104-28-2	Aroclor-1221	U	67	1.0	17	67	36
11141-16-5	Aroclor-1232	U	67	1.0	17	67	21
53469-21-9	Aroclor-1242	U	67	1.0	17	67	27
12672-29-6	Aroclor-1248	U	67	1.0	17	67	23
11097-69-1	Aroclor-1254	U	67	1.0	17	67	51
11096-82-5	Aroclor-1260		560	1.0	17	67	16
877-09-8	Tetrachloro-m-xylene		93%				
2051-24-3	Decachlorobiphenyl		77%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/28/05
Analysis Date: 30-OCT-2005 21:17
Report Date: 10/31/2005
Matrix: SOIL
% Solids: 22.9

Lab ID: WV5604-9
Client ID: SD-22-SS
SDG: MID-5
Extracted by: GN
Extraction Method: SW846 3540
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG22175
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	74	1.0	17	74	33
11104-28-2	Aroclor-1221	U	74	1.0	17	74	39
11141-16-5	Aroclor-1232	U	74	1.0	17	74	23
53469-21-9	Aroclor-1242	U	74	1.0	17	74	29
12672-29-6	Aroclor-1248	U	74	1.0	17	74	25
11097-69-1	Aroclor-1254	U	74	1.0	17	74	56
11096-82-5	Aroclor-1260		2000	1.0	17	74	18
877-09-8	Tetrachloro-m-xylene		92%				
2051-24-3	Decachlorobiphenyl		85%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/28/05
Analysis Date: 30-OCT-2005 21:46
Report Date: 10/31/2005
Matrix: SOIL
% Solids: 23.1

Lab ID: WV5604-10
Client ID: SD-23-SS
SDG: MID-5
Extracted by: GN
Extraction Method: SW846 3540
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG22175
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	74	1.0	17	74	33
11104-28-2	Aroclor-1221	U	74	1.0	17	74	39
11141-16-5	Aroclor-1232	U	74	1.0	17	74	23
53469-21-9	Aroclor-1242	U	74	1.0	17	74	29
12672-29-6	Aroclor-1248	U	74	1.0	17	74	25
11097-69-1	Aroclor-1254	U	74	1.0	17	74	56
11096-82-5	Aroclor-1260		750	1.0	17	74	18
877-09-8	Tetrachloro-m-xylene		79%				
2051-24-3	Decachlorobiphenyl		72%				

Appendix C

Support Documentation

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
TS	%	SD-19-01	WV5604-5	NM	10/21/2005	10/24/2005	10/25/2005	3	1	4
TS	%	SD-18-SS	WV5604-3	NM	10/21/2005	10/24/2005	10/25/2005	3	1	4
TS	%	SD-13-02	WV5583-3	NM	10/20/2005	10/24/2005	10/25/2005	4	1	5
TS	%	SD-14-01	WV5583-5	NM	10/20/2005	10/24/2005	10/25/2005	4	1	5
TS	%	SD-13-01	WV5583-2	NM	10/20/2005	10/24/2005	10/25/2005	4	1	5
TS	%	SD-16-SS	WV5583-7	NM	10/20/2005	10/24/2005	10/25/2005	4	1	5
TS	%	SD-23-SS	WV5604-10	NM	10/21/2005	10/24/2005	10/25/2005	3	1	4
TS	%	SD-14-SS	WV5583-4	NM	10/20/2005	10/24/2005	10/25/2005	4	1	5
TS	%	SD-15-SS	WV5604-1	NM	10/21/2005	10/24/2005	10/25/2005	3	1	4
TS	%	SD-16-01	WV5583-8	NM	10/20/2005	10/24/2005	10/25/2005	4	1	5
TS	%	SD-16-02	WV5583-9	NM	10/20/2005	10/24/2005	10/25/2005	4	1	5
TS	%	SD-14-02	WV5583-6	NM	10/20/2005	10/24/2005	10/25/2005	4	1	5
OS	%	SD-22-SS	WV5604-9	NM	10/21/2005	10/27/2005	10/29/2005	6	2	8
OS	%	SD-17-SS	WV5604-2	NM	10/21/2005	10/25/2005	10/29/2005	4	4	8
OS	%	SD-18-SS	WV5604-3	NM	10/21/2005	10/25/2005	10/29/2005	4	4	8
OS	%	SD-19-01	WV5604-5	NM	10/21/2005	10/25/2005	10/31/2005	4	6	10
OS	%	SD-19-02	WV5604-6	NM	10/21/2005	10/25/2005	10/29/2005	4	4	8
OS	%	SD-19-SS	WV5604-4	NM	10/21/2005	10/25/2005	10/29/2005	4	4	8

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
OS	%	SD-23-SS	WV5604-10	NM	10/21/2005	10/27/2005	10/29/2005	6	2	8
OS	%	SD-21-SS	WV5604-8	NM	10/21/2005	10/25/2005	10/29/2005	4	4	8
OS	%	SD-13-01	WV5583-2	NM	10/20/2005	10/25/2005	10/28/2005	5	3	8
OS	%	SD-16-SS	WV5583-7	NM	10/20/2005	10/25/2005	10/28/2005	5	3	8
OS	%	SD-20-SS	WV5604-7	NM	10/21/2005	10/25/2005	10/29/2005	4	4	8
OS	%	SD-16-01DL	WV5583-8DL	NM	10/20/2005	10/25/2005	11/1/2005	5	7	12
OS	%	SD-16-01	WV5583-8	NM	10/20/2005	10/25/2005	10/29/2005	5	4	9
OS	%	SD-15-SS	WV5604-1	NM	10/21/2005	10/25/2005	10/31/2005	4	6	10
OS	%	SD-14-SS	WV5583-4	NM	10/20/2005	10/25/2005	10/28/2005	5	3	8
OS	%	SD-14-02	WV5583-6	NM	10/20/2005	10/25/2005	10/28/2005	5	3	8
OS	%	SD-14-01	WV5583-5	NM	10/20/2005	10/25/2005	10/28/2005	5	3	8
OS	%	SD-13-SS	WV5583-1	NM	10/20/2005	10/25/2005	10/28/2005	5	3	8
OS	%	SD-13-02DL	WV5583-3DL	NM	10/20/2005	10/25/2005	10/31/2005	5	6	11
OS	%	SD-13-01DL	WV5583-2DL	NM	10/20/2005	10/25/2005	10/31/2005	5	6	11
OS	%	SD-13-02	WV5583-3	NM	10/20/2005	10/25/2005	10/28/2005	5	3	8
OS	%	SD-16-02RA	WV5583-9RA	NM	10/20/2005	10/25/2005	10/29/2005	5	4	9
OS	UG/KG	SD-17-SS	WV5604-2	NM	10/21/2005	10/25/2005	10/29/2005	4	4	8
OS	UG/KG	SD-23-SS	WV5604-10	NM	10/21/2005	10/27/2005	10/29/2005	6	2	8

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
OS	UG/KG	SD-22-SS	WV5604-9	NM	10/21/2005	10/27/2005	10/29/2005	6	2	8
OS	UG/KG	SD-21-SS	WV5604-8	NM	10/21/2005	10/25/2005	10/29/2005	4	4	8
OS	UG/KG	SD-20-SS	WV5604-7	NM	10/21/2005	10/25/2005	10/29/2005	4	4	8
OS	UG/KG	SD-19-SS	WV5604-4	NM	10/21/2005	10/25/2005	10/29/2005	4	4	8
OS	UG/KG	SD-19-02	WV5604-6	NM	10/21/2005	10/25/2005	10/29/2005	4	4	8
OS	UG/KG	SD-16-02RA	WV5583-9RA	NM	10/20/2005	10/25/2005	10/29/2005	5	4	9
OS	UG/KG	SD-18-SS	WV5604-3	NM	10/21/2005	10/25/2005	10/29/2005	4	4	8
OS	UG/KG	SD-14-01	WV5583-5	NM	10/20/2005	10/25/2005	10/28/2005	5	3	8
OS	UG/KG	SD-19-01	WV5604-5	NM	10/21/2005	10/25/2005	10/31/2005	4	6	10
OS	UG/KG	SD-16-01DL	WV5583-8DL	NM	10/20/2005	10/25/2005	11/1/2005	5	7	12
OS	UG/KG	SD-16-01	WV5583-8	NM	10/20/2005	10/25/2005	10/29/2005	5	4	9
OS	UG/KG	SD-15-SS	WV5604-1	NM	10/21/2005	10/25/2005	10/31/2005	4	6	10
OS	UG/KG	SD-14-SS	WV5583-4	NM	10/20/2005	10/25/2005	10/28/2005	5	3	8
OS	UG/KG	SD-14-02	WV5583-6	NM	10/20/2005	10/25/2005	10/28/2005	5	3	8
OS	UG/KG	SD-16-SS	WV5583-7	NM	10/20/2005	10/25/2005	10/28/2005	5	3	8
OS	UG/KG	SD-13-SS	WV5583-1	NM	10/20/2005	10/25/2005	10/28/2005	5	3	8
OS	UG/KG	SD-13-02DL	WV5583-3DL	NM	10/20/2005	10/25/2005	10/31/2005	5	6	11
OS	UG/KG	SD-13-02	WV5583-3	NM	10/20/2005	10/25/2005	10/28/2005	5	3	8

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
OS	UG/KG	SD-13-01DL	WV5583-2DL	NM	10/20/2005	10/25/2005	10/31/2005	5	6	11
OS	UG/KG	SD-13-01	WV5583-2	NM	10/20/2005	10/25/2005	10/28/2005	5	3	8
OV	%	SD-14-01RA2	WV5583-5RA2	NM	10/20/2005	10/27/2005	10/27/2005	7	0	7
OV	%	SD-19-02RA	WV5604-6RA	NM	10/21/2005	10/26/2005	10/26/2005	5	0	5
OV	%	SD-13-01	WV5583-2	NM	10/20/2005	10/25/2005	10/25/2005	5	0	5
OV	%	SD-13-SS	WV5583-1	NM	10/20/2005	10/25/2005	10/25/2005	5	0	5
OV	%	TB102005A	WV5583-10	NM	10/13/2005	10/28/2005	10/28/2005	15	0	15
OV	%	SD-23-SS	WV5604-10	NM	10/21/2005	10/26/2005	10/26/2005	5	0	5
OV	%	SD-22-SS	WV5604-9	NM	10/21/2005	10/26/2005	10/26/2005	5	0	5
OV	%	SD-21-SS	WV5604-8	NM	10/21/2005	10/26/2005	10/26/2005	5	0	5
OV	%	SD-19-SSRA	WV5604-4RA	NM	10/21/2005	10/26/2005	10/26/2005	5	0	5
OV	%	SD-19-01RA	WV5604-5RA	NM	10/21/2005	10/26/2005	10/26/2005	5	0	5
OV	%	SD-18-SSRA	WV5604-3RA	NM	10/21/2005	10/26/2005	10/26/2005	5	0	5
OV	%	SD-18-SS	WV5604-3	NM	10/21/2005	10/26/2005	10/26/2005	5	0	5
OV	%	SD-17-SSRA	WV5604-2RA	NM	10/21/2005	10/26/2005	10/26/2005	5	0	5
OV	%	SD-16-SSRA	WV5583-7RA	NM	10/20/2005	10/26/2005	10/26/2005	6	0	6
OV	%	SD-13-SSRA	WV5583-1RA	NM	10/20/2005	10/26/2005	10/26/2005	6	0	6
OV	%	SD-13-01RA	WV5583-2RA	NM	10/20/2005	10/26/2005	10/26/2005	6	0	6

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
OV	%	SD-20-SS	WV5604-7	NM	10/21/2005	10/26/2005	10/26/2005	5	0	5
OV	%	SD-16-02	WV5583-9	NM	10/20/2005	10/25/2005	10/25/2005	5	0	5
OV	%	SD-13-01DL	WV5583-2DL	NM	10/20/2005	11/3/2005	11/3/2005	14	0	14
OV	%	SD-13-02RA	WV5583-3RA	NM	10/20/2005	10/26/2005	10/26/2005	6	0	6
OV	%	SD-13-02	WV5583-3	NM	10/20/2005	10/25/2005	10/25/2005	5	0	5
OV	%	SD-14-02	WV5583-6	NM	10/20/2005	10/25/2005	10/25/2005	5	0	5
OV	%	SD-14-02RA	WV5583-6RA	NM	10/20/2005	10/26/2005	10/26/2005	6	0	6
OV	%	SD-14-SS	WV5583-4	NM	10/20/2005	10/25/2005	10/25/2005	5	0	5
OV	%	SD-15-SSRA	WV5604-1RA	NM	10/21/2005	10/26/2005	10/26/2005	5	0	5
OV	%	SD-16-01RA	WV5583-8RA	NM	10/20/2005	10/26/2005	10/26/2005	6	0	6
OV	%	SD-13-02DL	WV5583-3DL	NM	10/20/2005	11/3/2005	11/3/2005	14	0	14
OV	UG/KG	SD-16-SSRA	WV5583-7RA	NM	10/20/2005	10/26/2005	10/26/2005	6	0	6
OV	UG/KG	SD-16-02	WV5583-9	NM	10/20/2005	10/25/2005	10/25/2005	5	0	5
OV	UG/KG	SD-17-SSRA	WV5604-2RA	NM	10/21/2005	10/26/2005	10/26/2005	5	0	5
OV	UG/KG	SD-18-SS	WV5604-3	NM	10/21/2005	10/26/2005	10/26/2005	5	0	5
OV	UG/KG	SD-18-SSRA	WV5604-3RA	NM	10/21/2005	10/26/2005	10/26/2005	5	0	5
OV	UG/KG	SD-19-02RA	WV5604-6RA	NM	10/21/2005	10/26/2005	10/26/2005	5	0	5
OV	UG/KG	SD-20-SS	WV5604-7	NM	10/21/2005	10/26/2005	10/26/2005	5	0	5

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
OV	UG/KG	SD-21-SS	WV5604-8	NM	10/21/2005	10/26/2005	10/26/2005	5	0	5
OV	UG/KG	SD-23-SS	WV5604-10	NM	10/21/2005	10/26/2005	10/26/2005	5	0	5
OV	UG/KG	SD-16-01RA	WV5583-8RA	NM	10/20/2005	10/26/2005	10/26/2005	6	0	6
OV	UG/KG	SD-19-01RA	WV5604-5RA	NM	10/21/2005	10/26/2005	10/26/2005	5	0	5
OV	UG/KG	SD-22-SS	WV5604-9	NM	10/21/2005	10/26/2005	10/26/2005	5	0	5
OV	UG/KG	SD-13-01RA	WV5583-2RA	NM	10/20/2005	10/26/2005	10/26/2005	6	0	6
OV	UG/KG	SD-15-SSRA	WV5604-1RA	NM	10/21/2005	10/26/2005	10/26/2005	5	0	5
OV	UG/KG	SD-19-SSRA	WV5604-4RA	NM	10/21/2005	10/26/2005	10/26/2005	5	0	5
OV	UG/KG	SD-13-01DL	WV5583-2DL	NM	10/20/2005	11/3/2005	11/3/2005	14	0	14
OV	UG/KG	SD-13-02	WV5583-3	NM	10/20/2005	10/25/2005	10/25/2005	5	0	5
OV	UG/KG	SD-13-02DL	WV5583-3DL	NM	10/20/2005	11/3/2005	11/3/2005	14	0	14
OV	UG/KG	SD-13-02RA	WV5583-3RA	NM	10/20/2005	10/26/2005	10/26/2005	6	0	6
OV	UG/KG	SD-13-SSRA	WV5583-1RA	NM	10/20/2005	10/26/2005	10/26/2005	6	0	6
OV	UG/KG	SD-14-01RA2	WV5583-5RA2	NM	10/20/2005	10/27/2005	10/27/2005	7	0	7
OV	UG/KG	SD-14-SS	WV5583-4	NM	10/20/2005	10/25/2005	10/25/2005	5	0	5
OV	UG/KG	SD-14-02	WV5583-6	NM	10/20/2005	10/25/2005	10/25/2005	5	0	5
OV	UG/KG	SD-13-SS	WV5583-1	NM	10/20/2005	10/25/2005	10/25/2005	5	0	5
OV	UG/KG	SD-14-02RA	WV5583-6RA	NM	10/20/2005	10/26/2005	10/26/2005	6	0	6

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
OV	UG/KG	SD-13-01	WV5583-2	NM	10/20/2005	10/25/2005	10/25/2005	5	0	5
OV	UG/L	TB102005A	WV5583-10	NM	10/13/2005	10/28/2005	10/28/2005	15	0	15
PCB	%	SD-23-SS	WV5604-10	NM	10/21/2005	10/28/2005	10/30/2005	7	2	9
PCB	%	SD-19-01	WV5604-5	NM	10/21/2005	10/28/2005	10/30/2005	7	2	9
PCB	%	SD-19-SS	WV5604-4	NM	10/21/2005	10/28/2005	10/30/2005	7	2	9
PCB	%	SD-20-SS	WV5604-7	NM	10/21/2005	10/28/2005	10/30/2005	7	2	9
PCB	%	SD-22-SS	WV5604-9	NM	10/21/2005	10/28/2005	10/30/2005	7	2	9
PCB	%	SD-17-SS	WV5604-2	NM	10/21/2005	10/28/2005	10/30/2005	7	2	9
PCB	%	SD-18-SS	WV5604-3	NM	10/21/2005	10/28/2005	10/30/2005	7	2	9
PCB	%	SD-21-SS	WV5604-8	NM	10/21/2005	10/28/2005	10/30/2005	7	2	9
PCB	%	SD-13-01RA	WV5583-2RA	NM	10/20/2005	10/25/2005	10/27/2005	5	2	7
PCB	%	SD-16-02RA	WV5583-9RA	NM	10/20/2005	10/25/2005	10/28/2005	5	3	8
PCB	%	SD-16-01RA	WV5583-8RA	NM	10/20/2005	10/25/2005	10/28/2005	5	3	8
PCB	%	SD-15-SS	WV5604-1	NM	10/21/2005	10/25/2005	10/28/2005	4	3	7
PCB	%	SD-14-SS	WV5583-4	NM	10/20/2005	10/25/2005	10/27/2005	5	2	7
PCB	%	SD-14-02	WV5583-6	NM	10/20/2005	10/25/2005	10/27/2005	5	2	7
PCB	%	SD-14-01	WV5583-5	NM	10/20/2005	10/25/2005	10/27/2005	5	2	7
PCB	%	SD-13-SSRA	WV5583-1RA	NM	10/20/2005	10/25/2005	10/27/2005	5	2	7

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
PCB	%	SD-13-02	WV5583-3	NM	10/20/2005	10/25/2005	10/27/2005	5	2	7
PCB	%	SD-19-02	WV5604-6	NM	10/21/2005	10/28/2005	10/30/2005	7	2	9
PCB	%	SD-16-SSRA	WV5583-7RA	NM	10/20/2005	10/25/2005	10/28/2005	5	3	8
PCB	UG/KG	SD-19-01	WV5604-5	NM	10/21/2005	10/28/2005	10/30/2005	7	2	9
PCB	UG/KG	SD-19-02	WV5604-6	NM	10/21/2005	10/28/2005	10/30/2005	7	2	9
PCB	UG/KG	SD-19-SS	WV5604-4	NM	10/21/2005	10/28/2005	10/30/2005	7	2	9
PCB	UG/KG	SD-20-SS	WV5604-7	NM	10/21/2005	10/28/2005	10/30/2005	7	2	9
PCB	UG/KG	SD-21-SS	WV5604-8	NM	10/21/2005	10/28/2005	10/30/2005	7	2	9
PCB	UG/KG	SD-18-SS	WV5604-3	NM	10/21/2005	10/28/2005	10/30/2005	7	2	9
PCB	UG/KG	SD-23-SS	WV5604-10	NM	10/21/2005	10/28/2005	10/30/2005	7	2	9
PCB	UG/KG	SD-14-02	WV5583-6	NM	10/20/2005	10/25/2005	10/27/2005	5	2	7
PCB	UG/KG	SD-22-SS	WV5604-9	NM	10/21/2005	10/28/2005	10/30/2005	7	2	9
PCB	UG/KG	SD-17-SS	WV5604-2	NM	10/21/2005	10/28/2005	10/30/2005	7	2	9
PCB	UG/KG	SD-16-SSRA	WV5583-7RA	NM	10/20/2005	10/25/2005	10/28/2005	5	3	8
PCB	UG/KG	SD-16-02RA	WV5583-9RA	NM	10/20/2005	10/25/2005	10/28/2005	5	3	8
PCB	UG/KG	SD-16-01RA	WV5583-8RA	NM	10/20/2005	10/25/2005	10/28/2005	5	3	8
PCB	UG/KG	SD-14-SS	WV5583-4	NM	10/20/2005	10/25/2005	10/27/2005	5	2	7
PCB	UG/KG	SD-14-01	WV5583-5	NM	10/20/2005	10/25/2005	10/27/2005	5	2	7

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
PCB	UG/KG	SD-13-SSRA	WV5583-1RA	NM	10/20/2005	10/25/2005	10/27/2005	5	2	7
PCB	UG/KG	SD-13-02	WV5583-3	NM	10/20/2005	10/25/2005	10/27/2005	5	2	7
PCB	UG/KG	SD-13-01RA	WV5583-2RA	NM	10/20/2005	10/25/2005	10/27/2005	5	2	7
PCB	UG/KG	SD-15-SS	WV5604-1	NM	10/21/2005	10/25/2005	10/28/2005	4	3	7

SDG NARRATIVE
KATAHDIN ANALYTICAL SERVICES
TETRA TECH NUS
CASE MIDDLE RIVER
SDG: MID-5

Sample Receipt

The following samples were received on October 21 and 22, 2005 and were logged in under Katahdin Analytical Services work order numbers WV5583 and WV5604 for a hardcopy due date of October 28, 2005.

KATAHDIN Sample No.	TTNUS Sample Identification
WV5583-1	SD-13-SS
WV5583-2	SD-13-01
WV5583-3	SD-13-02
WV5583-4	SD-14-SS
WV5583-5	SD-14-01
WV5583-6	SD-14-02
WV5583-7	SD-16-SS
WV5583-8	SD-16-01
WV5583-9	SD-16-02
WV5583-10	TB102005A
WV5604-1	SD-15-SS
WV5604-2	SD-17-SS
WV5604-3	SD-18-SS
WV5604-4	SD-19-SS
WV5604-5	SD-19-01
WV5604-6	SD-19-02
WV5604-7	SD-20-SS
WV5604-8	SD-21-SS
WV5604-9	SD-22-SS
WV5604-10	SD-23-SS

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 MID-5 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, U.S. EPA, 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 a "M" (software-generated) on the pertinent quantitation reports.

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 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.

One or more target analytes may have been detected above the MDL in some method blanks. Any of these analytes that were also detected in any of the associated samples were flagged with a "B" qualifier indicating that the analyte was detected in the method blank analyzed and/or extracted concurrently with the sample.

The method blank WG22364-2 had a high recovery for one surrogate, which was outside of the laboratory established acceptance limits. Since a high recovery would indicate a high bias and there were no target analytes detected above the PQL in the sample that are quantitated against the same internal standard that is associated with this surrogate, the method blank was not reanalyzed.

The initial analysis of sample WV5583-1 had a low response for one internal standard, which was outside the laboratory acceptance limit of -50% to 100% of the response of the internal standard of the daily calibration verification standard. The sample was reanalyzed and also had a low response for one internal standard, which indicates a matrix effect. The results from both analyses are included in the report.

The initial analysis of sample WV5583-2 had a low response for one internal standard, which was outside the laboratory acceptance limit of -50% to 100% of the response of the internal standard of the daily calibration verification standard. The sample also had a low recovery for one surrogate, which was outside of the laboratory established acceptance limits. The sample was reanalyzed and had low recoveries for three surrogates, indicating a matrix effect. Also, the original analysis detected sec-butylbenzene outside of the calibration range. The reanalysis detected this analyte at a much lower concentration. The sample also contained several non target analytes at high concentrations. Per the client request, the sample was reanalyzed as a high concentration soil sample. The results from all three analyses are included in the report.

The initial analysis of sample WV5583-3 had high recoveries for two surrogates, which were outside of the laboratory established acceptance limits. The sample was reanalyzed and had low recoveries for three surrogates, indicating a matrix effect. The sample also contained several non target analytes at high concentrations. Per the client request, the sample was reanalyzed as a high concentration soil sample. The results from all three analyses are included in the report.

The first two analyses of sample WV5583-5 resulted in non-useable data, likely due to the sample matrix, which resulted in incomplete purges. The first two analyses used 5 grams of sample, while the third used only 1 gram of sample. The results from the third analysis are reported.

The initial analysis of sample WV5583-6 had low recoveries for all four surrogates, which were outside of the laboratory established acceptance limits. The sample was reanalyzed and also low recoveries for all four surrogates, which indicates a matrix effect. The results from both analyses are included in the report.

The initial analyses of samples WV5583-7, 8 and WV5604-1 had surrogate failures. The samples were reanalyzed and had acceptable surrogate recoveries. Therefore, only the reanalyses for each sample are reported.

The initial analyses of samples WV5604-2, 4, 5 and 6 were analyzed outside of the 12-hour analytical shift. The samples were reanalyzed and had acceptable QC. Therefore, only the reanalyses for each sample are reported.

The initial analysis of sample WV5604-3 had a low recovery for one surrogate and was analyzed 44 minutes outside of the 12-hour analytical shift. The reanalysis also had a surrogate failure, indicating matrix interference. The results from both analyses are reported.

8082 Analysis

The method blank, WG22175-1, and the laboratory control samples, WG21992-2RA and 3RA and WG22175-2 and 3, had high recoveries for the extraction surrogate TCX on one or both channels, which were outside of the laboratory established acceptance limits. Since the recoveries for DCB were acceptable on both channels, the associated samples were not reextracted.

Samples, WV5583-2RA and 3, had high recoveries for the extraction surrogate DCB on channel B, which were outside of the laboratory established acceptance limits. Since the recoveries for TCX on both channels and DCB on channel A were acceptable, the samples were not reextracted.

The LCSD WG22175-3 had a high recovery for Aroclor 1260, which was outside of the laboratory established acceptance limits. Since the LCS had an acceptable recovery, the associated samples were not reextracted.

The CV standard (file 6VJ8002) had a high response for DCB on channel B, which resulted in a %D that was outside of the method acceptance limits of 15%. Since the response was acceptable on channel A, the associated samples were not reanalyzed.

The CV standards (files 6VJ7034 and 6VJ8034) had high responses for Aroclor 1016 on both channels and Aroclor 1260 on channel B, which resulted in %D's that were outside of the method acceptance limits of 15%. Since a high response would indicate a high bias and Aroclor 1016 was not detected in the associated sample above the PQL and the response for Aroclor 1260 was acceptable on channel A, the associated samples were not reanalyzed.

The closing CV standards (files 6VJ7098 and 6VJ8098) had high responses for Aroclor 1016, Aroclor 1260 and DCB on both channels and TCX on channel A, which resulted in %D's that were outside of the method acceptance limits of 15%. Since the opening CV's had acceptable responses, the associated samples were not reanalyzed.

The Form 7 for the CV's (files 6VJ7034, 6VJ8034, 6VJ7098, and 6VJ8098) are flagged for the surrogates TCX and/or DCB indicating that the %D is greater than the method acceptance limit of 15%. With the exception of TCX on channel A and DCB on both channels for files 6VJ7098 and 6VJ8098, which were high, 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.

8270C 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 LCSD WG21993-3 had greater than ten percent of the spiked analytes with recoveries that were high and outside of the laboratory established acceptance limits. The RPD's for the LCS and LCSD were high for several analytes. Since the LCS WG21993-2 had acceptable recoveries, the associated samples were not reextracted.

The initial calibration analyzed on 10/22/05 on the X instrument had %RSD values for several analytes that exceeded the method acceptance limit of 15%. For these analytes, either a linear or quadratic model was used for quantitation instead of an average response factor. The target analytes benzoic acid, 2-chloronaphthalene, 4-nitrophenol, and 2,4-dinitrophenol 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 none of the associated samples detected any of the aforementioned target analytes above the PQL, the samples were not reanalyzed.

The initial calibration analyzed on 10/29/05 on the X instrument had %RSD values for eight analytes that exceeded the method acceptance limit of 15%. For these analytes, a linear or quadratic model was used for quantitation instead of an average response factor. The target analytes N-nitroso-di-n-propylamine, hexachlorocyclopentadiene, 2-chloronaphthalene, anthracene, benzidine, pyrene, and the surrogate terphenyl-d14 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.

The initial calibration standard (file X9008) had a response for the internal standards perylene-d12, which was low and outside the method acceptance limits of -50% to +100% of the responses of the internal standard of the mid-point level calibration standard from the initial calibration performed on 10/29/05.

The calibration verification standard (CV) (file X9053) 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%. The internal standard perylene-D12 had a response that was low and outside of the method acceptance limit of -50 to 100% of the response of the mid level standard from the initial calibration.

Samples WV5583-1, 3, 3DL, 4, 7, 8 and WV5604-5, 7 and 8 had high or low recoveries for one or more surrogates, which were outside the laboratory established acceptance limits. Samples WV5583-1, 2, 2DL, 3, 3DL, 8 and 9RA and WV5604-1 through 10 had low responses for one or more internal standards, which were outside the laboratory acceptance limit of -50% to 100% of the response of the internal standard of the daily calibration verification standard. The laboratory method blanks WG21993-1 and WG22096-1 and the LCSD WG21993-3 had low recoveries for one surrogate. The client was contacted and notified the laboratory to accept the data as long as the surrogate recoveries were greater than 15%, and the internal standard responses were at least 15% of the internal standard of the daily calibration verification standard. Since the surrogate recoveries and internal standard responses met these criteria, these samples were not reextracted. Sample WV5583-8 was reanalyzed at a dilution of 1:2, per client request in order to confirm internal standard response deviations.

Sample WV5583-9 was initially analyzed outside of the 12-hour analytical shift. The sample was reanalyzed and is labeled with the suffix "RA".

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

Metals Analysis

The samples of Katahdin SDG MID-5 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 Atomic Emission Spectrometric Analysis (ICP)

Solid-matrix Katahdin Sample Nos. WV5583-(1-9) and WV5604-(1-10) were digested for ICP analysis on 10/26/05 (QC Batch VJ26ICS0) in accordance with USEPA Method 3050B. Duplicate laboratory control samples were prepared in this batch.

ICP analyses of SDG MID-5 sample digestates were performed using a Thermo Jarrell Ash Trace ICP spectrometer in accordance with USEPA Method 6010B. All samples were analyzed within holding times and all analytical run QC criteria were met.

Analysis of Mercury by Cold Vapor Atomic Absorption (CVAA)

Solid-matrix Katahdin Sample Nos. WV5583-(1-9) were digested for mercury analysis on 10/24/05 (QC Batch VJ24HGS0) in accordance with USEPA Method 7471A. Duplicate laboratory control samples were prepared in this batch.

Solid-matrix Katahdin Sample Nos. WV5604-(1-10) were digested for mercury analysis on 10/27/05 (QC Batch VJ27HGS0) in accordance with USEPA Method 7471A. Katahdin Sample No. WV5604-10 was prepared with duplicate matrix-spiked aliquots. Duplicate laboratory control samples were prepared in this batch.

Mercury analyses of Katahdin SDG MID-5 sample digestates were performed using a Cetac M6100 automated mercury analyzer in accordance with USEPA Method 7471A. All samples were analyzed within holding times and all analytical run QC criteria were met.

Matrix QC Summary

One of the matrix spiked aliquots of Katahdin Sample No. WV5604-10 is outside the laboratory's acceptance criteria (75% - 125% recovery of the added element, if the native concentration is less than four times the amount added) for mercury.

The matrix-spike duplicate analysis of Katahdin Sample No. WV5604-10 is within the laboratory's acceptance limit (<20% relative difference between duplicate matrix-spiked aliquots) for mercury.

Wet Chemistry Analysis

The samples of SDG MID-5 were analyzed in accordance with the specific methods listed on the Report of Analysis.

Analyses for hexavalent chromium were performed according to "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, U.S. EPA.

Analyses for Total organic Carbon (TOC) were performed according to "Determination of Total Organic Carbon in Sediment", Lloyd Kahn, USEPA Region II, 7/88.

Analyses for total solids were performed according to "U.S. EPA Contract Laboratory Program Statement of Work for Inorganic Analysis", SOW 7/88.

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 time. All quality control criteria were met, with the following exceptions:

The recovery of hexavalent chromium from the matrix spike (33%) aliquot of Katahdin Sample No. WV5583-9 is outside the laboratory's acceptance limits of 75% - 125%. Low matrix spike recoveries for hexavalent chromium may indicate the presence of reducing conditions in the sample.

No other deviations were noted by the Wet Chemistry group.

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
11.8.05

Leslie Dimond
Quality Assurance Officer

Katahdin ANALYTICAL SERVICES
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Westbrook, ME 04092
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Fax: (207) 775-4029

CHAIN of CUSTODY

PLEASE BEAR DOWN AND PRINT LEGIBLY IN PEN

Client: Tetra Tech NUS, Inc. | Contact: Mike Martin | Phone #: (301) 528-3022 | Fax #: (301) 528 3000

Address: 20251 Century Blvd | City: Germantown | State: Md | Zip Code: 20874

Purchase Order # | Proj. Name / No.: LMC-MRC | Katahdin Quote #

Bill (if different than above): AS ABOVE | Address: AS ABOVE

Sampler (Print / Sign): FRED KOLBERG FJK | Copies To:

LAB USE ONLY | WORK ORDER #: W55825 | KATAHDIN PROJECT NUMBER

REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT

AIRBILL NO:

TEMP°C ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	ANALYSIS AND CONTAINER TYPE PRESERVATIVES: VOCs 2 oz GLASS	SVOCs 8 oz GLASS	PCBs	P.P. METALS 4 oz GLASS →	Cr+6	P.P. META-FIX
SD-13-SS	10/20/05 14:30	SED.	3	✓	✓	✓	✓	✓	
SD-13-Ø1	/ 15:30			✓	✓	✓	✓	✓	
SD-13-Ø2	/ 15:45			✓	✓	✓	✓	✓	
SD-14-SS	/ 16:00			✓	✓	✓	✓	✓	
SD-14-Ø1	/ 16:10			✓	✓	✓	✓	✓	
SD-14-Ø2	/ 16:30			✓	✓	✓	✓	✓	
SD-16-SS	/ 16:50			✓	✓	✓	✓	✓	
SD-16-Ø1	/ 17:00			✓	✓	✓	✓	✓	
SD-16-Ø2	/ 17:10			✓	✓	✓	✓	✓	
TB102005A	10/13/05 11:45	H2O	1	✓					
Temp Blank	— / —	H2O	1						
	/								
	11-18-05 JRS /								
	/								
	/								
	/								

COMMENTS

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
FJK	10/20/05 18:00	Fed Ex			10/21/05 0935
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)

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Client: Tetra Tech NUS, Inc. | Contact: Mike Martin | Phone #: (301) 528 3033 | Fax #: (301) 528 3000

Address: 20251 Century Blvd | City: Germantown | State: Md | Zip Code: 20878

Purchase Order # | Proj. Name / No.: LMC - MRC | Katahdin Quote #

Bill (if different than above): SAME AS ABOVE | Address

Sampler (Print / Sign): Fred Kolberg FJK | Copies To:

LAB USE ONLY | WORK ORDER #: WV5604 WV5605 | KATAHDIN PROJECT NUMBER

REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT

AIRBILL NO:

TEMP°C ____ ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	ANALYSIS AND CONTAINER TYPE PRESERVATIVES									
				Filt. ☐Y ☒N	Filt. ☐Y ☒N	Filt. ☐Y ☒N	Filt. ☐Y ☒N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N
				VOCs 8 oz Glass/Vials	P.P. metals 4 oz Glass CA46	TOC	SVOCs PCBs 8 oz Glass						
SD-15-SS	10/21/05 / 13:20	SED	3	✓	✓		✓						
SD-17-SS	/ 11:30			✓	✓	✓	✓						
SD-18-SS	/ 12:50			✓	✓		✓						
SD-19-SS	/ 9:45			✓	✓	✓	✓						
SD-19-01	/ 10:00			✓	✓	✓	✓						
SD-19-02	/ 10:15			✓	✓	✓	✓						
SD-20-SS	/ 13:00			✓	✓		✓						
SD-21-SS	/ 11:25			✓	✓		✓						
SD-22-SS	/ 13:10			✓	✓		✓						
SD-23-SS	/ 12:40			✓	✓	✓	✓						
SD-24-SS	/ 11:50			✓	✓		✓						
SD-25-SS	/ 11:20		6	✓	✓	✓	✓	+ MS/MSD Volumes					
SD-26-SS	/ 12:30		3	✓	✓		✓						
SD-27-SS	/ 11:15		6	✓	✓	✓	✓	+ MS/MSD Volumes					
SD-27-01	/ 11:20		3	✓	✓		✓						
SD-27-02	/ 11:25		3	✓	✓		✓						

COMMENTS

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
FJK 10/24/05	10/24/05 15:00				
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Client: Tetra Tech NUS, Inc. | Contact: Mike Martin | Phone #: (301) 528 3033 | Fax #: (301) 528 3000

Address: 20251 Century Blvd | City: Germantown | State: Md | Zip Code: 20874

Purchase Order # | Proj. Name / No. | Katahdin Quote #

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Sampler (Print / Sign): Fred Kolberg FJK | Copies To:

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AIRBILL NO:

TEMP°C ____ ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	VOCs 2oz/4oz Glass	P.P. METALS 4oz Glass	TOC 4oz. Glass	SVOCs PCBs 8 oz glass	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N
SD-28-SS	10/21/05 / 11:30	SED	3	✓	✓		✓								
SD-28-01	/ 11:35			✓	✓		✓								
SD-28-02	/ 11:40			✓	✓		✓								
SD-29-SS	/ 10:40			✓	✓		✓								
SD-29-01	/ 10:50			✓	✓		✓								
SD-29-02	/ 11:00			✓	✓		✓								
SD-30-SS	/ 11:15			✓	✓		✓								
SD-31-SS	/ 11:45			✓	✓		✓								
SD-31-01	/ 11:50			✓	✓		✓								
SD-31-02	/ 11:55		6	✓	✓	✓	✓		+ MS/MSD Volumes						
SD-32-SS	/ 12:20		3	✓	✓		✓								
SD-33-SS	/ 10:40		3	✓	✓	✓	✓								
SD-34-SS	/ 10:20		3	✓	✓		✓								
SD-35-SS	/ 10:10		3	✓	✓	✓	✓								
SD-36-SS	/ 10:30		3	✓	✓		✓								
SD-37-SS	/ 12:10		3	✓	✓		✓								

COMMENTS

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
FJK	10/21/05 13:00		10-22-05 1030		
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Client	Contact	Phone #	Fax #
Tetra Tech NUS, Inc	Mike Martin	(301) 528 3033	(301) 528 3000

Address	City	State	Zip Code
20251 Century Blv	Germantown	md	20874

Purchase Order # | Proj. Name / No. LMC-MRC | Katahdin Quote #

Bill (if different than above) SAME AS ABOVE | Address

Sampler (Print / Sign) Fred Kolbert FJK | Copies To:

LAB USE ONLY | WORK ORDER #: WV3666

KATAHDIN PROJECT NUMBER

REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT

AIRBILL NO:

TEMP°C ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	ANALYSIS AND CONTAINER TYPE PRESERVATIVES: VOCs 2 oz/4oz Glass	P.P. METALS; Cr+6 4-oz Glass	TOC 4-oz Glass	SVOC/PCBs 8-oz Glass	Filt. ☐Y ☐N (×6)
SD-38-SS	10/21/05 / 12:00	SED	3	✓	✓		✓	
SD-39-SS	/ 10:00			✓	✓	✓	✓	
SD-40-SS	/ 9:00			✓	✓	✓	✓	
SD-40-01	/ 9:15			✓	✓	✓	✓	
SD-40-02	/ 9:30			✓	✓	✓	✓	
SD-41 (FJK) -SS	/ 13:30			✓	✓			
SD-42-SS	/ 7:15			✓	✓			
SD-42-01	/ 7:30			✓	✓			
SD-42-02	/ 7:45			✓	✓			
TB102105	/	H_2O	2	✓	✓			
	/							
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COMMENTS

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FJK	10/21/05 15:00	FedEx		10/22/05 10:20	
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Lab File ID: SB045 BFB Injection Date: 10/20/05

Instrument ID: GCMS-S BFB Injection Time: 2315

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	22.4
75	30.0 - 60.0% of mass 95	46.3
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	8.3
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	74.1
175	5.0 - 9.0% of mass 174	5.2 (7.1)1
176	95.0 - 101.0% of mass 174	70.7 (95.4)1
177	5.0 - 9.0% of mass 176	4.8 (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:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		VSTD050S20C	S6827	10/20/05	2340
02		VSTD020S20C	S6828	10/21/05	0011
03		VSTD200S20D	S6833	10/21/05	0246
04		VSTD100S20D	S6834	10/21/05	0317
05		VSTD005S20D	S6837	10/21/05	0450
06		VSTD001S20E	S6839	10/21/05	0552
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project MIDDLE RIVER SDG No.: MID-5

Instrument ID: GCMS-S Calibration Date(s): 10/20/05 10/21/05

Column: RTX-VMS ID: 0.18 (mm) Calibration Time(s): 2340 0552

LAB FILE ID: RF1: S6839 RF5: S6837 RF20: S6828
RF50: S6827 RF100: S6834 RF200: S6833

								COEFFICENTS			%RSD	MAX %RSD
COMPOUND	RF1	RF5	RF20	RF50	RF100	RF200	CURVE	A0	A1	A2	OR R^2	OR R^2
Dichlorodifluoromethane	0.427	0.418	0.408	0.428	0.420	0.432	AVRG		0.42215377		2.104	15.000
Chloromethane	0.727	0.690	0.585	0.580	0.635	0.662	AVRG		0.64652723		8.981	15.000
Vinyl chloride	0.603	0.569	0.513	0.521	0.544	0.568	AVRG		0.55313622		6.084	15.000
Bromomethane	0.445	0.382	0.348	0.365	0.352	0.359	AVRG		0.37512486		9.632	15.000
Chloroethane	0.345	0.324	0.294	0.284	0.268	0.270	AVRG		0.29738311		10.432	15.000
Trichlorofluoromethane	0.728	0.682	0.674	0.710	0.670	0.694	AVRG		0.69297444		3.288	15.000
Tertiary-butyl alcohol	1286	14746	42415	95186	178650	325160	LINR	-0.3189202	47.7036616		0.99800	0.99000
1,1-Dichloroethene	0.448	0.426	0.405	0.419	0.411	0.430	AVRG		0.42307852		3.584	15.000
Carbon Disulfide	1.508	1.424	1.329	1.378	1.362	1.421	AVRG		1.40370287		4.469	15.000
Freon-113	0.396	0.348	0.346	0.361	0.343	0.361	AVRG		0.35909042		5.456	15.000
Ethyl tertiary-butyl ethe	1.460	1.435	1.458	1.504	1.475	1.577	AVRG		1.48484327		3.403	15.000
Methylene Chloride	17832	50870	160660	393570	797610	1584900	LINR	-9.34e-004	1.96958671		0.99972	0.99000
Acetone	0.028	0.026	0.024	0.026	0.026	0.030	AVRG		2.667e-002		8.050	15.000
trans-1,2-Dichloroethene	0.535	0.491	0.462	0.488	0.482	0.496	AVRG		0.49236014		4.852	15.000
Methyl tert-butyl ether	1.154	1.145	1.121	1.182	1.147	1.234	AVRG		1.16383506		3.423	15.000
Di-isopropyl ether	1.917	1.821	1.804	1.828	1.857	1.942	AVRG		1.86141478		3.021	15.000
1,1-Dichloroethane	0.968	0.932	0.878	0.872	0.881	0.886	AVRG		0.90281051		4.301	15.000
Vinyl Acetate	10244	58427	342880	886160	1738900	3717000	LINR	3.35e-002	1.38257714		0.99828	0.99000
cis-1,2-Dichloroethene	0.574	0.551	0.533	0.548	0.547	0.556	AVRG		0.55170961		2.433	15.000
1,2-Dichloroethylene (tot							AVRG					0.000
2,2-Dichloropropane	0.656	0.668	0.697	0.725	0.678	0.712	AVRG		0.68937783		3.831	15.000
Bromochloromethane	0.260	0.244	0.238	0.244	0.249	0.254	AVRG		0.24820693		3.188	15.000
Chloroform	0.916	0.900	0.851	0.887	0.864	0.879	AVRG		0.88287484		2.656	15.000
Carbon Tetrachloride	0.366	0.344	0.359	0.386	0.359	0.370	AVRG		0.36393748		3.872	15.000
1,1,1-Trichloroethane	0.740	0.736	0.723	0.746	0.715	0.740	AVRG		0.73344568		1.599	15.000
1,1-Dichloropropene	0.430	0.414	0.424	0.436	0.416	0.421	AVRG		0.42359885		2.022	15.000
2-Butanone	0.036	0.038	0.040	0.043	0.040	0.046	AVRG		4.029e-002		8.692	15.000
Benzene	1.311	1.263	1.204	1.234	1.206	1.185	AVRG		1.23379942		3.768	15.000
Tertiary-amyl methyl ethe	1.188	1.193	1.194	1.218	1.194	1.277	AVRG		1.21068772		2.827	15.000
1,2-Dichloroethane	0.430	0.380	0.381	0.401	0.370	0.387	AVRG		0.39144791		5.474	15.000
Trichloroethene	0.331	0.322	0.306	0.311	0.301	0.297	AVRG		0.31135572		4.177	15.000
Dibromomethane	0.190	0.173	0.173	0.184	0.175	0.181	AVRG		0.17946176		3.854	15.000
1,2-Dichloropropane	0.310	0.304	0.289	0.290	0.289	0.289	AVRG		0.29527630		3.237	15.000
Bromodichloromethane	0.411	0.391	0.408	0.430	0.409	0.414	AVRG		0.41031595		3.051	15.000
cis-1,3-dichloropropene	0.456	0.459	0.480	0.503	0.486	0.492	AVRG		0.47922783		3.875	15.000
2-Chloroethylvinylether	916	4392	9977	31270	78988	265220	2ORDR	2.05e-002	39.2642018	-96.850104	0.99896	0.99000
Toluene	0.792	0.800	0.773	0.788	0.772	0.758	AVRG		0.78060024		1.986	15.000
4-methyl-2-pentanone	0.200	0.214	0.228	0.233	0.209	0.219	AVRG		0.21746959		5.673	15.000
Tetrachloroethene	0.380	0.357	0.301	0.319	0.336	0.315	AVRG		0.33466801		8.719	15.000
trans-1,3-Dichloropropene	0.376	0.353	0.381	0.405	0.387	0.406	AVRG		0.38480218		5.169	15.000
Dibromochloromethane	0.307	0.300	0.328	0.345	0.327	0.345	AVRG		0.32536844		5.760	15.000
1,3-Dichloropropane	0.524	0.507	0.525	0.534	0.504	0.529	AVRG		0.52048636		2.331	15.000
1,2-Dibromoethane	0.241	0.236	0.251	0.266	0.249	0.265	AVRG		0.25124961		4.902	15.000
2-Hexanone	0.140	0.169	0.180	0.190	0.172	0.190	AVRG		0.17369810		10.701	15.000

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project MIDDLE RIVER SDG No.: MID-5

Instrument ID: GCMS-S Calibration Date(s): 10/20/05 10/21/05

Column: RTX-VMS ID: 0.18 (mm) Calibration Time(s): 2340 0552

LAB FILE ID: RF1: S6839 RF5: S6837 RF20: S6828
RF50: S6827 RF100: S6834 RF200: S6833

COMPOUND	RF1	RF5	RF20	RF50	RF100	RF200	CURVE	COEFFICENTS A0	COEFFICENTS A1	COEFFICENTS A2	%RSD OR R^2	MAX %RSD OR R^2
Chlorobenzene	1.084	1.012	0.989	1.007	0.968	0.957	AVRG		1.00280454		4.507	15.000
Ethylbenzene	1.866	1.760	1.750	1.774	1.710	1.656	AVRG		1.75246429		3.992	15.000
1,1,1,2-Tetrachloroethane	0.333	0.308	0.321	0.340	0.322	0.330	AVRG		0.32568779		3.365	15.000
Xylenes (total)							AVRG					0.000
m+p-Xylenes	0.659	0.667	0.659	0.665	0.640	0.606	AVRG		0.64933159		3.594	15.000
o-Xylene	0.580	0.616	0.622	0.641	0.633	0.625	AVRG		0.61950584		3.444	15.000
Styrene	0.913	1.030	1.073	1.116	1.100	1.080	AVRG		1.05208465		7.028	15.000
Bromoform	0.165	0.180	0.201	0.221	0.203	0.224	AVRG		0.19909886		11.503	15.000
Isopropylbenzene	2.712	2.908	2.905	2.962	2.898	2.858	AVRG		2.87391971		2.983	15.000
Bromobenzene	0.810	0.829	0.819	0.847	0.827	0.833	AVRG		0.82742769		1.511	15.000
N-Propylbenzene	3.909	4.072	4.003	4.033	3.997	3.853	AVRG		3.97792645		2.052	15.000
1,1,2,2-Tetrachloroethane	0.632	0.624	0.660	0.685	0.639	0.712	AVRG		0.65871460		5.219	15.000
2-Chlorotoluene	0.733	0.785	0.767	0.777	0.780	0.770	AVRG		0.76866459		2.431	15.000
1,2,3-Trichloropropane	0.544	0.524	0.525	0.529	0.490	0.525	AVRG		0.52300591		3.432	15.000
4-Chlorotoluene	2.525	2.516	2.399	2.474	2.463	2.407	AVRG		2.46392754		2.142	15.000
tert-Butylbenzene	2.322	2.425	2.543	2.605	2.508	2.517	AVRG		2.48651450		4.003	15.000
1,2,4-Trimethylbenzene	2.440	2.578	2.578	2.705	2.703	2.623	AVRG		2.60450156		3.779	15.000
P-Isopropyltoluene	2.427	2.646	2.624	2.724	2.728	2.692	AVRG		2.64022141		4.251	15.000
1,3-Dichlorobenzene	1.610	1.532	1.477	1.511	1.494	1.462	AVRG		1.51459986		3.483	15.000
1,4-Dichlorobenzene	1.688	1.552	1.510	1.534	1.525	1.485	AVRG		1.54893465		4.622	15.000
N-Butylbenzene	2.199	2.254	2.361	2.514	2.461	2.443	AVRG		2.37179969		5.239	15.000
sec-Butylbenzene	3.317	3.393	3.361	3.451	3.407	3.305	AVRG		3.37231089		1.649	15.000
1,2-Dichlorobenzene	1.430	1.372	1.360	1.403	1.384	1.370	AVRG		1.38646906		1.867	15.000
1,2-Dibromo-3-Chloropropa	0.100	0.093	0.098	0.107	0.092	0.117	AVRG		0.10145883		9.406	15.000
Hexachlorobutadiene	0.466	0.412	0.389	0.404	0.380	0.385	AVRG		0.40609511		7.870	15.000
1,2,4-Trichlorobenzene	0.791	0.783	0.790	0.850	0.792	0.864	AVRG		0.81177612		4.404	15.000
1,2,3-Trimethylbenzene	2.623	2.520	2.569	2.651	2.600	2.568	AVRG		2.58851275		1.791	15.000
Naphthalene	1.015	1.218	1.152	1.237	1.123	1.358	AVRG		1.18384947		9.806	15.000
1,2,3-Trichlorobenzene	0.588	0.658	0.634	0.655	0.582	0.644	AVRG		0.62700654		5.344	15.000
Dibromofluoromethane	0.532	0.505	0.496	0.510	0.506	0.510	AVRG		0.50974369		2.319	15.000
1,2-Dichloroethane-D4	0.598	0.537	0.501	0.517	0.504	0.506	AVRG		0.52733582		7.063	15.000
Toluene-D8	1.120	1.133	1.074	1.094	1.075	1.036	AVRG		1.08892908		3.213	15.000
P-Bromofluorobenzene	0.448	0.438	0.418	0.428	0.428	0.423	AVRG		0.43075922		2.542	15.000

FORM VI VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project MIDDLE RIVER SDG No.: MID-5

Instrument ID: GCMS-S Calibration Date(s): 10/20/05 10/21/05

Column: RTX-VMS ID: 0.18 (mm) Calibration Time(s): 2340 0552

Average %RSD test result.
Calculate Average %RSD: 4.783444405
Maximum Average %RSD: 15.00000000
Note: Passes Average %RSD Test.

FORM 2
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

	CLIENT SAMPLE ID	LAB SAMPLE ID	SMC1 DBF#	SMC2 DCA#	SMC3 TOL#	SMC4 BFB#	TOT OUT
01	WG22189-LCS	WG22189-1	104	102	101	99	0
02	WG22189-BLANK	WG22189-2	100	101	102	98	0
03	TB102005A	WV5583-10	101	105	102	97	0
04							
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
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16							
17							
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22							
23							
24							
25							
26							
27							
28							

	QC LIMITS
SMC1 (DBF) = Dibromofluoromethane	(76-118)
SMC2 (DCA) = 1,2-Dichloroethane-D4	(76-119)
SMC3 (TOL) = Toluene-D8	(68-122)
SMC4 (BFB) = P-Bromofluorobenzene	(56-119)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

FORM 2
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

	CLIENT SAMPLE ID	LAB SAMPLE ID	SMC1 DBF#	SMC2 DCA#	SMC3 TOL#	SMC4 BFB#	TOT OUT
01	WG22364-LCS	WG22364-1	106	118	107	115	0
02	WG22364-BLANK	WG22364-2	112	124*	110	107	1
03							
04							
05							
06							
07							
08							
09							
10							
11							
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26							
27							
28							

	QC LIMITS
SMC1 (DBF) = Dibromofluoromethane	(76-118)
SMC2 (DCA) = 1,2-Dichloroethane-D4	(76-119)
SMC3 (TOL) = Toluene-D8	(68-122)
SMC4 (BFB) = P-Bromofluorobenzene	(56-119)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Lab File ID: SB056 BFB Injection Date: 10/28/05

Instrument ID: GCMS-S BFB Injection Time: 1249

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	24.3
75	30.0 - 60.0% of mass 95	42.1
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	5.9
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	85.9
175	5.0 - 9.0% of mass 174	6.0 (7.0)1
176	95.0 - 101.0% of mass 174	86.2 (100.4)1
177	5.0 - 9.0% of mass 176	6.8 (7.9)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		VSTD050S28B	S7020	10/28/05	1313
02	WG22189-LCS	WG22189-1	S7021A	10/28/05	1400
03	WG22189-BLANK	WG22189-2	S7023A	10/28/05	1526
04	TB102005A	WV5583-10	S7026	10/28/05	1713
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Instrument ID: GCMS-S Calibration Date: 10/28/05 Time: 1313

Lab File ID: S7020 Init. Calib. Date(s): 10/20/05 10/21/05

Init. Calib. Times: 2340 0552

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	
Dichlorodifluoromethane	0.4220000	0.3967300	0.3967300	0.01	-5.99		AVRG	
Chloromethane	0.6460000	0.6281000	0.6281000	0.1	-2.77		AVRG	
Vinyl chloride	0.5530000	0.5783600	0.5783600	0.01	4.58	20.00	AVRG	
Bromomethane	0.3750000	0.3732700	0.3732700	0.01	-0.46		AVRG	
Chloroethane	0.2980000	0.3461000	0.3461000	0.01	16.14		AVRG	
Trichlorofluoromethane	0.6930000	0.7490500	0.7490500	0.01	8.09		AVRG	
Tertiary-butyl alcohol	209.73000	250.00000	1.89e-002	0.01	-16.11		LINR	
1,1-Dichloroethene	0.4230000	0.4688900	0.4688900	0.01	10.85	20.00	AVRG	
Carbon Disulfide	1.4040000	1.5237000	1.5237000	0.01	8.52		AVRG	
Freon-113	0.3590000	0.3553900	0.3553900	0.01	-1.00		AVRG	
Ethyl tertiary-butyl ether	1.4850000	1.5134000	1.5134000	0.01	1.91		AVRG	
Methylene Chloride	55.319000	50.000000	0.5622100	0.01	10.64		LINR	
Acetone	2.7e-002	2.9e-002	2.9e-002	0.01	7.41		AVRG	
trans-1,2-Dichloroethene	0.4920000	0.5260800	0.5260800	0.01	6.93		AVRG	
Methyl tert-butyl ether	1.1640000	1.1720000	1.1720000	0.01	0.69		AVRG	
Di-isopropyl ether	1.8620000	1.9608000	1.9608000	0.01	5.31		AVRG	
1,1-Dichloroethane	0.9030000	0.9308500	0.9308500	0.1	3.08		AVRG	
Vinyl Acetate	50.154000	50.000000	0.7012800	0.01	0.31		LINR	
cis-1,2-Dichloroethene	0.5520000	0.5645800	0.5645800	0.01	2.28		AVRG	
1,2-Dichloroethylene (total)	0.0000000	1.0907000	1.0907000	0.01	0.00		AVRG	<-
2,2-Dichloropropane	0.6890000	0.7693200	0.7693200	0.01	11.66		AVRG	
Bromochloromethane	0.2480000	0.2424900	0.2424900	0.01	-2.22		AVRG	
Chloroform	0.8830000	0.9074700	0.9074700	0.01	2.77	20.00	AVRG	
Carbon Tetrachloride	0.3640000	0.3665100	0.3665100	0.01	0.69		AVRG	
1,1,1-Trichloroethane	0.7330000	0.7582600	0.7582600	0.01	3.45		AVRG	
1,1-Dichloropropene	0.4240000	0.4342100	0.4342100	0.01	2.41		AVRG	
2-Butanone	4.e-002	3.83e-002	3.83e-002	0.01	-4.25		AVRG	
Benzene	1.2340000	1.2323000	1.2323000	0.01	-0.14		AVRG	
Tertiary-amyl methyl ether	1.2110000	1.1826000	1.1826000	0.01	-2.34		AVRG	

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Instrument ID: GCMS-S Calibration Date: 10/28/05 Time: 1313

Lab File ID: S7020 Init. Calib. Date(s): 10/20/05 10/21/05

Init. Calib. Times: 2340 0552

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	
1,2-Dichloroethane	0.3920000	0.3784000	0.3784000	0.01	-3.47		AVRG	
Trichloroethene	0.3110000	0.3088800	0.3088800	0.01	-0.68		AVRG	
Dibromomethane	0.1790000	0.1693600	0.1693600	0.01	-5.38		AVRG	
1,2-Dichloropropane	0.2950000	0.2943400	0.2943400	0.01	-0.22	20.00	AVRG	
Bromodichloromethane	0.4100000	0.4151400	0.4151400	0.01	1.25		AVRG	
cis-1,3-dichloropropene	0.4790000	0.4997900	0.4997900	0.01	4.34		AVRG	
2-Chloroethylvinylether	45.482000	50.000000	2.41e-002	0.01	-9.04		2RDR	
Toluene	0.7800000	0.7850700	0.7850700	0.01	0.65	20.00	AVRG	
4-methyl-2-pentanone	0.2170000	0.2042600	0.2042600	0.01	-5.87		AVRG	
Tetrachloroethene	0.3350000	0.2810200	0.2810200	0.01	-16.11		AVRG	
trans-1,3-Dichloropropene	0.3850000	0.3886800	0.3886800	0.01	0.96		AVRG	
Dibromochloromethane	0.3250000	0.3078000	0.3078000	0.01	-5.29		AVRG	
1,3-Dichloropropane	0.5200000	0.4989200	0.4989200	0.01	-4.05		AVRG	
1,2-Dibromoethane	0.2510000	0.2383000	0.2383000	0.01	-5.06		AVRG	
2-Hexanone	0.1740000	0.1638600	0.1638600	0.01	-5.83		AVRG	
Chlorobenzene	1.0030000	0.9811400	0.9811400	0.3	-2.18		AVRG	
Ethylbenzene	1.7530000	1.7675000	1.7675000	0.01	0.83	20.00	AVRG	
1,1,1,2-Tetrachloroethane	0.3260000	0.3216000	0.3216000	0.01	-1.35		AVRG	
Xylenes (total)	0.0000000	1.9471000	1.9471000	0.01	0.00		AVRG	<-
m+p-Xylenes	0.6490000	0.6568200	0.6568200	0.01	1.20		AVRG	
o-Xylene	0.6200000	0.6335100	0.6335100	0.01	2.18		AVRG	
Styrene	1.0520000	1.1009000	1.1009000	0.01	4.65		AVRG	
Bromoform	0.1990000	0.1800700	0.1800700	0.1	-9.51		AVRG	
Isopropylbenzene	2.8740000	3.0185000	3.0185000	0.01	5.03		AVRG	
Bromobenzene	0.8280000	0.8243500	0.8243500	0.01	-0.44		AVRG	
N-Propylbenzene	3.9780000	4.1981000	4.1981000	0.01	5.53		AVRG	
1,1,2,2-Tetrachloroethane	0.6590000	0.6091500	0.6091500	0.3	-7.56		AVRG	
2-Chlorotoluene	0.7690000	0.7861500	0.7861500	0.01	2.23		AVRG	
1,2,3-Trichloropropane	0.5230000	0.4868900	0.4868900	0.01	-6.90		AVRG	

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Instrument ID: GCMS-S Calibration Date: 10/28/05 Time: 1313

Lab File ID: S7020 Init. Calib. Date(s): 10/20/05 10/21/05

Init. Calib. Times: 2340 0552

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
4-Chlorotoluene	2.4640000	2.5620000	2.5620000	0.01	3.98		AVRG
tert-Butylbenzene	2.4870000	2.6732000	2.6732000	0.01	7.49		AVRG
1,2,4-Trimethylbenzene	2.6040000	2.7376000	2.7376000	0.01	5.13		AVRG
P-Isopropyltoluene	2.6400000	2.7812000	2.7812000	0.01	5.35		AVRG
1,3-Dichlorobenzene	1.5140000	1.5004000	1.5004000	0.01	-0.90		AVRG
1,4-Dichlorobenzene	1.5490000	1.5175000	1.5175000	0.01	-2.03		AVRG
N-Butylbenzene	2.3720000	2.5811000	2.5811000	0.01	8.82		AVRG
sec-Butylbenzene	3.3720000	3.5327000	3.5327000	0.01	4.76		AVRG
1,2-Dichlorobenzene	1.3860000	1.3284000	1.3284000	0.01	-4.16		AVRG
1,2-Dibromo-3-Chloropropane	0.1010000	8.2e-002	8.2e-002	0.01	-18.81		AVRG
Hexachlorobutadiene	0.4060000	0.3659600	0.3659600	0.01	-9.86		AVRG
1,2,4-Trichlorobenzene	0.8120000	0.6808900	0.6808900	0.01	-16.15		AVRG
1,2,3-Trimethylbenzene	2.5880000	2.7000000	2.7000000	0.01	4.33		AVRG
Naphthalene	1.1840000	0.8411600	0.8411600	0.01	-28.96		AVRG
1,2,3-Trichlorobenzene	0.6270000	0.4462100	0.4462100	0.01	-28.83		AVRG
Dibromofluoromethane	0.5100000	0.5244100	0.5244100	0.01	2.82		AVRG
1,2-Dichloroethane-D4	0.5270000	0.5180400	0.5180400	0.01	-1.70		AVRG
Toluene-D8	1.0890000	1.1229000	1.1229000	0.01	3.11		AVRG
P-Bromofluorobenzene	0.4300000	0.4315000	0.4315000	0.01	0.35		AVRG

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: MIDDLE RIVER
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 28-OCT-2005 15:26
Report Date: 11/01/2005
Matrix: WATER
% Solids: NA

Lab ID: WG22189-2
Client ID: WG22189-Blank
SDG: MID-5
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG22189
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	2	1.0	2	2	0.5
74-87-3	Chloromethane	U	2	1.0	2	2	0.3
75-01-4	Vinyl chloride	U	2	1.0	2	2	0.3
74-83-9	Bromomethane	U	2	1.0	2	2	0.6
75-00-3	Chloroethane	U	2	1.0	2	2	0.3
75-69-4	Trichlorofluoromethane	U	2	1.0	2	2	0.3
75-65-0	Tertiary-butyl alcohol	U	5	1.0	5	5	0.4
75-35-4	1,1-Dichloroethene	U	1	1.0	1	1	0.4
75-15-0	Carbon Disulfide	U	1	1.0	1	1	0.3
76-13-1	Freon-113	U	1	1.0	1	1	0.2
637-92-3	Ethyl tertiary-butyl ether	U	1	1.0	1	1	0.08
75-09-2	Methylene Chloride	U	2	1.0	2	2	2
67-64-1	Acetone	J	3	1.0	5	5	2
156-60-5	trans-1,2-Dichloroethene	U	1	1.0	1	1	0.3
1634-04-4	Methyl tert-butyl ether	U	2	1.0	2	2	0.8
108-20-3	Di-isopropyl ether	U	1	1.0	1	1	0.2
75-34-3	1,1-Dichloroethane	U	1	1.0	1	1	0.4
108-05-4	Vinyl Acetate	U	1	1.0	1	1	0.3
156-59-2	cis-1,2-Dichloroethene	U	1	1.0	1	1	0.3
540-59-0	1,2-Dichloroethylene (total)	U	2	1.0	2	2	0.6
594-20-7	2,2-Dichloropropane	U	1	1.0	1	1	0.2
74-97-5	Bromochloromethane	U	1	1.0	1	1	0.2
67-66-3	Chloroform	U	1	1.0	1	1	0.4
56-23-5	Carbon Tetrachloride	U	1	1.0	1	1	0.3
71-55-6	1,1,1-Trichloroethane	U	1	1.0	1	1	0.2
563-58-6	1,1-Dichloropropene	U	1	1.0	1	1	0.2
78-93-3	2-Butanone	U	5	1.0	5	5	3
71-43-2	Benzene	U	1	1.0	1	1	0.3
994-05-8	Tertiary-amyl methyl ether	U	1	1.0	1	1	0.1
107-06-2	1,2-Dichloroethane	U	1	1.0	1	1	0.3
79-01-6	Trichloroethene	U	1	1.0	1	1	0.3
74-95-3	Dibromomethane	U	1	1.0	1	1	0.2
78-87-5	1,2-Dichloropropane	U	1	1.0	1	1	0.3
75-27-4	Bromodichloromethane	U	1	1.0	1	1	0.2
10061-01-5	cis-1,3-dichloropropene	U	1	1.0	1	1	0.3
110-75-8	2-Chloroethylvinylether	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	3
127-18-4	Tetrachloroethene	U	1	1.0	1	1	0.4
10061-02-6	trans-1,3-Dichloropropene	U	1	1.0	1	1	0.4
124-48-1	Dibromochloromethane	U	1	1.0	1	1	0.4
142-28-9	1,3-Dichloropropane	U	1	1.0	1	1	0.3
106-93-4	1,2-Dibromoethane	U	1	1.0	1	1	0.4

Sample Data Summary A0000090

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: MIDDLE RIVER
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 28-OCT-2005 15:26
Report Date: 11/01/2005
Matrix: WATER
% Solids: NA

Lab ID: WG22189-2
Client ID: WG22189-Blank
SDG: MID-5
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG22189
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	1	1.0	1	1	0.2
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.2
630-20-6	1,1,1,2-Tetrachloroethane	U	1	1.0	1	1	0.2
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.8
	m+p-Xylenes	U	2	1.0	2	2	0.5
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
100-42-5	Styrene	U	1	1.0	1	1	0.6
75-25-2	Bromoform	U	1	1.0	1	1	0.5
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.3
108-86-1	Bromobenzene	U	1	1.0	1	1	0.2
103-65-1	N-Propylbenzene	U	1	1.0	1	1	0.3
79-34-5	1,1,2,2-Tetrachloroethane	U	1	1.0	1	1	0.5
95-49-8	2-Chlorotoluene	U	1	1.0	1	1	0.3
96-18-4	1,2,3-Trichloropropane	U	1	1.0	1	1	0.6
106-43-4	4-Chlorotoluene	U	1	1.0	1	1	0.3
98-06-6	tert-Butylbenzene	U	1	1.0	1	1	0.2
95-63-6	1,2,4-Trimethylbenzene	U	1	1.0	1	1	0.2
99-87-6	P-Isopropyltoluene	U	1	1.0	1	1	0.2
541-73-1	1,3-Dichlorobenzene	U	1	1.0	1	1	0.3
106-46-7	1,4-Dichlorobenzene	U	1	1.0	1	1	0.4
104-51-8	N-Butylbenzene	U	1	1.0	1	1	0.2
135-98-8	sec-Butylbenzene	U	1	1.0	1	1	0.3
95-50-1	1,2-Dichlorobenzene	U	1	1.0	1	1	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	1	1.0	1	1	0.3
87-68-3	Hexachlorobutadiene	U	1	1.0	1	1	0.4
120-82-1	1,2,4-Trichlorobenzene	U	1	1.0	1	1	0.3
526-73-8	1,2,3-Trimethylbenzene	U	1	1.0	1	1	0.2
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
87-61-6	1,2,3-Trichlorobenzene	J	0.4	1.0	1	1	0.2
1868-53-7	Dibromofluoromethane		100%				
17060-07-0	1,2-Dichloroethane-D4		101%				
2037-26-5	Toluene-D8		102%				
460-00-4	P-Bromofluorobenzene		98%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

WG22189-Blank

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Matrix: (soil/water) WATER Lab Sample ID: WG22189-2

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: S7023A

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/28/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
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30.					

FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: MIDDLE RIVER
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 10/28/05
Report Date: 11/01/2005
Matrix: WATER

Lab ID: WG22189-1
Client ID: WG22189-LCS
SDG: MID-5
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG22189
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.		%REC.	QC. LIMITS
Dichlorodifluoromethane	50	NA	76		151	0-183
Chloromethane	50	NA	61		121	35-145
Vinyl chloride	50	NA	60		120	43-136
Bromomethane	50	NA	56		111	57-139
Chloroethane	50	NA	61		122	48-132
Trichlorofluoromethane	50	NA	58		116	52-126
Tertiary-butyl alcohol	250	NA	304		122	55-138
1,1-Dichloroethene	50	NA	57		113	88-123
Carbon Disulfide	50	NA	57	*	114	63-105
Freon-113	50	NA	48		95	80-125
Ethyl tertiary-butyl ether	50	NA	54		107	84-120
Methylene Chloride	50	NA	57		114	79-122
Acetone	50	NA	83	*	166	65-156
trans-1,2-Dichloroethene	50	NA	56		112	83-121
Methyl tert-butyl ether	100	NA	115		115	68-127
Di-isopropyl ether	50	NA	54		108	82-124
1,1-Dichloroethane	50	NA	54		108	80-118
Vinyl Acetate	50	NA	42		83	77-151
cis-1,2-Dichloroethene	50	NA	53		105	85-113
1,2-Dichloroethylene (total)	100	NA	109		109	85-116
2,2-Dichloropropane	50	NA	56		112	67-134
Bromochloromethane	50	NA	55		110	85-111
Chloroform	50	NA	54		107	81-112
Carbon Tetrachloride	50	NA	51		102	79-119
1,1,1-Trichloroethane	50	NA	53		105	79-113
1,1-Dichloropropene	50	NA	53		106	82-121
2-Butanone	50	NA	93	*	185	97-179
Benzene	50	NA	52		103	83-117
Tertiary-amyl methyl ether	50	NA	53		106	88-117
1,2-Dichloroethane	50	NA	52		104	76-108
Trichloroethene	50	NA	51		102	85-118
Dibromomethane	50	NA	51		102	76-132
1,2-Dichloropropane	50	NA	52		105	82-110
Bromodichloromethane	50	NA	50	*	100	78- 98
cis-1,3-dichloropropene	50	NA	55		109	85-114
2-Chloroethylvinylether	50	NA	58		116	3-152
Toluene	50	NA	52		104	84-121
4-methyl-2-pentanone	50	NA	58		117	67-124
Tetrachloroethene	50	NA	44		89	73-112
trans-1,3-Dichloropropene	50	NA	59		118	91-120
Dibromochloromethane	50	NA	50		100	87-112
1,3-Dichloropropane	50	NA	52		105	87-113
1,2-Dibromoethane	50	NA	52		105	83-110
2-Hexanone	50	NA	62	*	123	77-122
Chlorobenzene	50	NA	51		102	84-117

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: MIDDLE RIVER
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 10/28/05
Report Date: 11/01/2005
Matrix: WATER

Lab ID: WG22189-1
Client ID: WG22189-LCS
SDG: MID-5
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG22189
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
Ethylbenzene	50	NA	51	102	81-115
1,1,1,2-Tetrachloroethane	50	NA	52	104	86-109
Xylenes (total)	150	NA	155	103	85-120
m+p-Xylenes	100	NA	102	102	87-119
o-Xylene	50	NA	53	105	78-125
Styrene	50	NA	53	107	82-107
Bromoform	50	NA	51	102	75-111
Isopropylbenzene	50	NA	58	116	75-132
Bromobenzene	50	NA	52	103	84-115
N-Propylbenzene	50	NA	53	107	85-118
1,1,2,2-Tetrachloroethane	50	NA	54	109	81-116
2-Chlorotoluene	50	NA	52	103	85-118
1,2,3-Trichloropropane	50	NA	55	110	81-112
4-Chlorotoluene	50	NA	53	107	88-114
tert-Butylbenzene	50	NA	54	108	68-125
1,2,4-Trimethylbenzene	50	NA	53	106	78-112
P-Isopropyltoluene	50	NA	55	109	77-116
1,3-Dichlorobenzene	50	NA	51	102	84-113
1,4-Dichlorobenzene	50	NA	51	103	83-110
N-Butylbenzene	50	NA	55	110	81-113
sec-Butylbenzene	50	NA	53	105	81-115
1,2-Dichlorobenzene	50	NA	51	102	84-114
1,2-Dibromo-3-Chloropropane	50	NA	48	95	72-112
Hexachlorobutadiene	50	NA	45	90	62-116
1,2,4-Trichlorobenzene	50	NA	51	102	59-123
1,2,3-Trimethylbenzene	50	NA	52	103	87-110
Naphthalene	50	NA	51	102	36-143
1,2,3-Trichlorobenzene	50	NA	49	97	53-100

FORM III VOA-1
S7021a.D

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Lab File ID: ZB208 BFB Injection Date: 10/25/05

Instrument ID: GCMS-Z BFB Injection Time: 0730

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	23.1
75	30.0 - 60.0% of mass 95	56.3
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	8.3
173	Less than 2.0% of mass 174	1.0 (1.0)1
174	Greater than 50.0% of mass 95	106.9
175	5.0 - 9.0% of mass 174	8.0 (7.5)1
176	95.0 - 101.0% of mass 174	105.4 (98.6)1
177	5.0 - 9.0% of mass 176	6.1 (5.8)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		VSTD050Z25A	Z7985	10/25/05	0800
02		VSTD020Z25A	Z7986	10/25/05	0839
03		VSTD010Z25A	Z7987	10/25/05	0919
04		VSTD005Z25A	Z7988	10/25/05	0959
05		VSTD200Z25A	Z7989	10/25/05	1038
06		VSTD100Z25A	Z7990	10/25/05	1118
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22					

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project MIDDLE RIVER SDG No.: MID-5

Instrument ID: GCMS-Z Calibration Date(s): 10/25/05 10/25/05

Column: RTX-VMS ID: 0.18 (mm) Calibration Time(s): 0800 1118

LAB FILE ID: RF5: Z7988 RF10: Z7987 RF20: Z7986
RF50: Z7985 RF100: Z7990 RF200: Z7989

								COEFFICENTS		%RSD	MAX %RSD
COMPOUND	RF5	RF10	RF20	RF50	RF100	RF200	CURVE	A0	A1	OR R^2	OR R^2
Dichlorodifluoromethane	0.518	0.491	0.603	0.564	0.570	0.572	AVRG		0.55316006	7.389	15.000
Chloromethane	17008	37127	89190	180400	594870	1054800	LINR	5.986e-002	1.58978037	0.99196	0.99000
Vinyl chloride	0.424	0.465	0.526	0.421	0.503	0.479	AVRG		0.46977450	8.943	15.000
Bromomethane	0.294	0.301	0.350	0.320	0.308	0.308	AVRG		0.31348507	6.287	15.000
Chloroethane	0.250	0.261	0.308	0.239	0.246	0.257	AVRG		0.26030193	9.413	15.000
Trichlorofluoromethane	0.917	0.860	1.053	1.054	0.989	1.037	AVRG		0.98489823	8.160	15.000
Tertiary-butyl alcohol	0.041	0.045	0.047	0.039	0.044	0.049	AVRG		4.455e-002	8.111	15.000
1,1-Dichloroethene	0.367	0.403	0.444	0.390	0.439	0.422	AVRG		0.41088404	7.258	15.000
Carbon Disulfide	1.160	1.140	1.438	1.205	1.467	1.370	AVRG		1.29668164	11.222	15.000
Freon-113	0.443	0.409	0.476	0.420	0.457	0.443	AVRG		0.44128778	5.534	15.000
Methylene Chloride	35481	53289	93135	182750	461950	878560	LINR	-2.52e-002	1.98343621	0.99827	0.99000
Acetone	0.025	0.025	0.028	0.022	0.027	0.028	AVRG		2.58e-002	8.543	15.000
trans-1,2-Dichloroethene	0.454	0.383	0.502	0.416	0.495	0.467	AVRG		0.45290566	10.176	15.000
Methyl tert-butyl ether	1.342	1.327	1.504	1.299	1.471	1.451	AVRG		1.39896638	6.174	15.000
Di-isopropyl ether	1.334	1.389	1.554	1.309	1.635	1.570	AVRG		1.46524117	9.402	15.000
1,1-Dichloroethane	0.877	0.799	0.926	0.832	0.939	0.902	AVRG		0.87929263	6.231	15.000
Ethyl tertiary-butyl ethe	1.522	1.588	1.682	1.579	1.704	1.695	AVRG		1.62824148	4.637	15.000
Vinyl Acetate	0.697	0.731	0.903	0.845	0.895	0.922	AVRG		0.83212280	11.511	15.000
cis-1,2-Dichloroethene	0.477	0.438	0.505	0.440	0.511	0.484	AVRG		0.47595109	6.544	15.000
1,2-Dichloroethylene (tot							AVRG				0.000
2,2-Dichloropropane	0.675	0.671	0.866	0.832	0.891	0.878	AVRG		0.80228399	12.708	15.000
Bromochloromethane	0.192	0.203	0.246	0.239	0.253	0.252	AVRG		0.23078005	11.497	15.000
Chloroform	0.977	0.916	1.047	0.991	1.054	1.014	AVRG		0.99983623	5.102	15.000
Carbon Tetrachloride	0.648	0.612	0.744	0.728	0.686	0.695	AVRG		0.68560519	7.198	15.000
1,1,1-Trichloroethane	0.805	0.836	1.004	0.934	0.966	0.942	AVRG		0.91465518	8.467	15.000
1,1-Dichloropropene	0.464	0.436	0.547	0.510	0.552	0.542	AVRG		0.50854555	9.548	15.000
2-Butanone	0.038	0.033	0.038	0.033	0.039	0.040	AVRG		3.696e-002	8.148	15.000
Benzene	1.110	1.034	1.240	1.092	1.249	1.189	AVRG		1.15204058	7.538	15.000
Tertiary-amyl methyl ethe	1.103	1.188	1.278	1.111	1.293	1.289	AVRG		1.21038609	7.347	15.000
1,2-Dichloroethane	0.629	0.626	0.740	0.687	0.646	0.616	AVRG		0.65731119	7.220	15.000
Trichloroethene	0.369	0.361	0.414	0.375	0.408	0.399	AVRG		0.38770148	5.725	15.000
Dibromomethane	0.222	0.193	0.240	0.221	0.201	0.210	AVRG		0.21476439	7.913	15.000
1,2-Dichloropropane	0.260	0.255	0.296	0.277	0.308	0.304	AVRG		0.28344718	8.086	15.000
Bromodichloromethane	0.595	0.546	0.678	0.636	0.643	0.632	AVRG		0.62178922	7.307	15.000
cis-1,3-dichloropropene	0.497	0.527	0.603	0.549	0.596	0.592	AVRG		0.56061988	7.672	15.000
2-Chloroethylvinylether	3960	8232	18854	47110	122140	271860	LINR	9.911e-002	8.00122764	0.99511	0.99000
Toluene	0.754	0.669	0.846	0.714	0.810	0.792	AVRG		0.76415605	8.550	15.000
4-methyl-2-pentanone	0.287	0.296	0.328	0.282	0.322	0.330	AVRG		0.30758832	7.140	15.000
Tetrachloroethene	0.382	0.443	0.501	0.443	0.460	0.449	AVRG		0.44639730	8.606	15.000
trans-1,3-Dichloropropene	0.520	0.489	0.579	0.543	0.542	0.560	AVRG		0.53872614	5.827	15.000
Dibromochloromethane	0.525	0.556	0.611	0.566	0.622	0.630	AVRG		0.58509165	7.227	15.000
1,3-Dichloropropane	0.500	0.524	0.588	0.504	0.579	0.573	AVRG		0.54466362	7.319	15.000
1,2-Dibromoethane	0.302	0.306	0.376	0.319	0.345	0.354	AVRG		0.33363892	8.795	15.000
2-Hexanone	0.240	0.250	0.276	0.228	0.271	0.287	AVRG		0.25861228	8.751	15.000

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project MIDDLE RIVER SDG No.: MID-5

Instrument ID: GCMS-Z Calibration Date(s): 10/25/05 10/25/05

Column: RTX-VMS ID: 0.18 (mm) Calibration Time(s): 0800 1118

LAB FILE ID: RF5: Z7988 RF10: Z7987 RF20: Z7986
RF50: Z7985 RF100: Z7990 RF200: Z7989

COMPOUND	RF5	RF10	RF20	RF50	RF100	RF200	CURVE	COEFFICENTS A0	COEFFICENTS A1	%RSD OR R^2	MAX %RSD OR R^2
Chlorobenzene	1.043	1.044	1.184	1.062	1.172	1.128	AVRG		1.10553500	5.816	15.000
Ethylbenzene	1.777	1.699	2.061	1.796	1.980	1.912	AVRG		1.87048292	7.315	15.000
1,1,1,2-Tetrachloroethane	0.488	0.477	0.548	0.492	0.540	0.530	AVRG		0.51280315	5.927	15.000
Xylenes (total)							AVRG				0.000
m+p-Xylenes	0.610	0.614	0.757	0.642	0.694	0.687	AVRG		0.66727656	8.480	15.000
o-Xylene	0.600	0.589	0.711	0.611	0.692	0.673	AVRG		0.64579421	8.101	15.000
Styrene	1.026	0.997	1.177	1.064	1.159	1.156	AVRG		1.09633390	7.049	15.000
Bromoform	0.395	0.398	0.466	0.418	0.447	0.458	AVRG		0.43012837	7.197	15.000
Isopropylbenzene	2.595	2.467	3.254	2.642	2.952	2.719	AVRG		2.77137120	10.321	15.000
Bromobenzene	1.007	0.985	1.120	0.967	1.082	0.988	AVRG		1.02493502	6.004	15.000
N-Propylbenzene	3.316	3.354	4.145	3.419	3.825	3.442	AVRG		3.58348836	9.210	15.000
1,1,2,2-Tetrachloroethane	0.565	0.578	0.697	0.593	0.723	0.681	AVRG		0.63930573	10.712	15.000
2-Chlorotoluene	2.439	2.466	2.930	2.458	2.760	2.475	AVRG		2.58794501	7.977	15.000
1,2,3-Trichloropropane	0.767	0.801	0.954	0.742	0.893	0.872	AVRG		0.83816405	9.708	15.000
4-Chlorotoluene	2.353	2.205	2.556	2.260	2.475	2.243	AVRG		2.34871709	5.977	15.000
tert-Butylbenzene	2.957	2.633	3.583	2.742	3.290	3.096	AVRG		3.04997766	11.552	15.000
1,2,4-Trimethylbenzene	2.669	2.422	3.077	2.578	2.864	2.683	AVRG		2.71563391	8.415	15.000
P-Isopropyltoluene	2.655	2.536	3.267	2.740	2.978	2.761	AVRG		2.82265823	9.275	15.000
1,3-Dichlorobenzene	1.650	1.584	1.902	1.697	1.808	1.684	AVRG		1.72097116	6.669	15.000
1,4-Dichlorobenzene	1.582	1.579	1.901	1.632	1.728	1.615	AVRG		1.67290737	7.432	15.000
N-Butylbenzene	2.313	2.315	2.912	2.492	2.802	2.536	AVRG		2.56174351	9.698	15.000
sec-Butylbenzene	3.062	2.990	3.727	3.204	3.541	3.148	AVRG		3.27848782	8.872	15.000
1,2-Dichlorobenzene	1.440	1.461	1.804	1.531	1.710	1.569	AVRG		1.58574428	9.068	15.000
1,2-Dibromo-3-Chloropropa	0.364	0.347	0.407	0.354	0.394	0.384	AVRG		0.37519222	6.281	15.000
Hexachlorobutadiene	0.720	0.676	0.912	0.756	0.807	0.722	AVRG		0.76532543	10.991	15.000
1,2,4-Trichlorobenzene	1.186	1.110	1.353	1.177	1.257	1.182	AVRG		1.21082242	6.914	15.000
1,2,3-Trimethylbenzene	1.613	1.546	1.810	1.597	1.698	1.646	AVRG		1.65181036	5.616	15.000
Naphthalene	1.747	1.720	1.754	1.278	1.815	1.806	AVRG		1.68675436	12.052	15.000
1,2,3-Trichlorobenzene	1.020	0.966	1.140	0.954	1.058	1.066	AVRG		1.03391893	6.702	15.000
Dibromofluoromethane	0.610	0.552	0.613	0.584	0.586	0.575	AVRG		0.58676463	3.883	15.000
1,2-Dichloroethane-D4	0.751	0.758	0.759	0.728	0.678	0.629	AVRG		0.71732555	7.393	15.000
Toluene-D8	1.163	1.068	1.227	1.152	1.223	1.144	AVRG		1.16268635	5.032	15.000
P-Bromofluorobenzene	0.497	0.478	0.554	0.497	0.506	0.470	AVRG		0.50029070	5.919	15.000

FORM VI VOA

FORM 2
SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Level:(low/med) LOW

	CLIENT SAMPLE ID	LAB SAMPLE ID	SMC1 DBF#	SMC2 DCA#	SMC3 TOL#	SMC4 BFB#	TOT OUT
01	WG22012-LCS	WG22012-1	96	96	103	98	0
02	WG22012-BLANK	WG22012-2	88	90	90	86	0
03	SD-13-SS	WV5583-1	105	109	112	87	0
04	SD-13-01	WV5583-2	106	99	105	338*	1
05	SD-13-02	WV5583-3	104	101	119*	1881*	2
06	SD-14-SS	WV5583-4	88	86	97	83	0
07	SD-14-02	WV5583-6	53*	44*	68*	31*	4
08	SD-16-02	WV5583-9	78	71	82	58	0
09	SD-18-SS	WV5604-3	33*	64	73	42	1
10	WG22041-LCS	WG22041-1	97	96	104	99	0
11	WG22041-BLANK	WG22041-2	106	105	113	107	0
12	SD-13-SS	WV5583-1RA	85	93	101	77	0
13	SD-13-01	WV5583-2RA	43*	47*	42*	59	3
14	SD-13-02	WV5583-3RA	53*	51*	49*	117	3
15	SD-14-02	WV5583-6RA	30*	35*	29*	23*	4
16	SD-16-SS	WV5583-7RA	58	81	99	70	0
17	SD-16-01	WV5583-8RA	91	93	112	77	0
18	SD-15-SS	WV5604-1RA	57	78	100	69	0
19	SD-17-SS	WV5604-2RA	62	86	109	76	0
20	SD-18-SS	WV5604-3RA	43*	73	91	54	1
21	SD-19-SS	WV5604-4RA	69	88	102	67	0
22	SD-19-01	WV5604-5RA	94	86	100	81	0
23	WG22077-LCS	WG22077-1	97	94	108	106	0
24	SD-19-02	WV5604-6RA	88	88	85	71	0
25	WG22077-BLANK	WG22077-2	87	93	77	72	0
26	SD-20-SS	WV5604-7	83	91	96	99	0
27	SD-21-SS	WV5604-8	71	102	105	90	0
28	SD-22-SS	WV5604-9	58	87	89	62	0

		QC LIMITS
SMC1 (DBF)	= Dibromofluoromethane	(57-122)
SMC2 (DCA)	= 1,2-Dichloroethane-D4	(53-127)
SMC3 (TOL)	= Toluene-D8	(62-117)
SMC4 (BFB)	= P-Bromofluorobenzene	(36-119)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

FORM 2
SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Level:(low/med) LOW

	CLIENT SAMPLE ID	LAB SAMPLE ID	SMC1 DBF#	SMC2 DCA#	SMC3 TOL#	SMC4 BFB#	TOT OUT
01	SD-23-SS	WV5604-10	77	92	76	66	0
02	WG22134-LCS	WG22134-1	96	90	96	92	0
03	WG22134-BLANK	WG22134-2	105	107	115	108	0
04	SD-14-01	WV5583-5RA2	67	80	65	72	0
05							
06							
07							
08							
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27							
28							

	QC LIMITS
SMC1 (DBF) = Dibromofluoromethane	(57-122)
SMC2 (DCA) = 1,2-Dichloroethane-D4	(53-127)
SMC3 (TOL) = Toluene-D8	(62-117)
SMC4 (BFB) = P-Bromofluorobenzene	(36-119)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Lab File ID: ZB209 BFB Injection Date: 10/25/05

Instrument ID: GCMS-Z BFB Injection Time: 1214

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	24.2
75	30.0 - 60.0% of mass 95	53.7
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.3
173	Less than 2.0% of mass 174	0.5 (0.5)1
174	Greater than 50.0% of mass 95	108.9
175	5.0 - 9.0% of mass 174	6.6 (6.1)1
176	95.0 - 101.0% of mass 174	106.8 (98.0)1
177	5.0 - 9.0% of mass 176	7.9 (7.4)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		VSTD050Z25A	Z7991	10/25/05	1244
02	WG22012-LCS	WG22012-1	Z7992	10/25/05	1326
03	WG22012-BLANK	WG22012-2	Z7994	10/25/05	1448
04	SD-13-SS	WV5583-1	Z7995	10/25/05	1531
05	SD-13-01	WV5583-2	Z7996	10/25/05	1611
06	SD-13-02	WV5583-3	Z7997	10/25/05	1651
07	SD-14-SS	WV5583-4	Z7998	10/25/05	1731
08	SD-14-02	WV5583-6	Z8000	10/25/05	2059
09	SD-16-02	WV5583-9	Z8003	10/25/05	2258
10	SD-18-SS	WV5604-3	Z8006	10/26/05	0058
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Instrument ID: GCMS-Z Calibration Date: 10/25/05 Time: 1244

Lab File ID: Z7991 Init. Calib. Date(s): 10/25/05 10/25/05

Init. Calib. Times: 0800 1118

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	
Dichlorodifluoromethane	0.5530000	0.5177100	0.5177100	0.01	-6.38		AVRG	
Chloromethane	48.109000	50.000000	0.5675800	0.1	-3.78		LINR	
Vinyl chloride	0.4700000	0.4506200	0.4506200	0.01	-4.12	20.00	AVRG	
Bromomethane	0.3140000	0.2776400	0.2776400	0.01	-11.58		AVRG	
Chloroethane	0.2600000	0.2328500	0.2328500	0.01	-10.44		AVRG	
Trichlorofluoromethane	0.9850000	0.8657100	0.8657100	0.01	-12.11		AVRG	
Tertiary-butyl alcohol	4.4e-002	4.32e-002	4.32e-002	0.01	-1.82		AVRG	
1,1-Dichloroethene	0.4110000	0.3791400	0.3791400	0.1	-7.75	20.00	AVRG	
Carbon Disulfide	1.2970000	1.2995000	1.2995000	0.01	0.19		AVRG	
Freon-113	0.4410000	0.4077200	0.4077200	0.01	-7.55		AVRG	
Ethyl tertiary-butyl ether	1.6280000	1.5588000	1.5588000	0.01	-4.25		AVRG	
Methylene Chloride	46.003000	50.000000	0.4766000	0.01	-7.99		LINR	
Acetone	2.6e-002	2.23e-002	2.23e-002	0.01	-14.23		AVRG	
trans-1,2-Dichloroethene	0.4530000	0.4400400	0.4400400	0.01	-2.86		AVRG	
Methyl tert-butyl ether	1.3990000	1.3241000	1.3241000	0.01	-5.35		AVRG	
Di-isopropyl ether	1.4650000	1.4728000	1.4728000	0.01	0.53		AVRG	
1,1-Dichloroethane	0.8790000	0.8608000	0.8608000	0.3	-2.07		AVRG	
Vinyl Acetate	0.8320000	0.8065800	0.8065800	0.01	-3.06		AVRG	
cis-1,2-Dichloroethene	0.4760000	0.4452900	0.4452900	0.01	-6.45		AVRG	
1,2-Dichloroethylene (total)	0.0000000	0.4426700	0.4426700	0.01	0.00		AVRG	<-
2,2-Dichloropropane	0.8020000	0.7715300	0.7715300	0.01	-3.80		AVRG	
Bromochloromethane	0.2310000	0.2280600	0.2280600	0.01	-1.27		AVRG	
Chloroform	1.0000000	0.9514600	0.9514600	0.01	-4.85	20.00	AVRG	
Carbon Tetrachloride	0.6860000	0.6217500	0.6217500	0.01	-9.36		AVRG	
1,1,1-Trichloroethane	0.9140000	0.8283000	0.8283000	0.01	-9.38		AVRG	
1,1-Dichloropropene	0.5080000	0.4950200	0.4950200	0.01	-2.56		AVRG	
2-Butanone	3.7e-002	3.28e-002	3.28e-002	0.01	-11.35		AVRG	
Benzene	1.1520000	1.1638000	1.1638000	0.01	1.02		AVRG	
Tertiary-amyl methyl ether	1.2100000	1.1739000	1.1739000	0.01	-2.98		AVRG	

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Instrument ID: GCMS-Z Calibration Date: 10/25/05 Time: 1244

Lab File ID: Z7991 Init. Calib. Date(s): 10/25/05 10/25/05

Init. Calib. Times: 0800 1118

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	
1,2-Dichloroethane	0.6570000	0.6377200	0.6377200	0.01	-2.93		AVRG	
Trichloroethene	0.3880000	0.3589400	0.3589400	0.01	-7.49		AVRG	
Dibromomethane	0.2140000	0.2002600	0.2002600	0.01	-6.42		AVRG	
1,2-Dichloropropane	0.2830000	0.2845500	0.2845500	0.01	0.55	20.00	AVRG	
Bromodichloromethane	0.6220000	0.5967800	0.5967800	0.01	-4.05		AVRG	
cis-1,3-dichloropropene	0.5610000	0.5696100	0.5696100	0.01	1.53		AVRG	
2-Chloroethylvinylether	42.390000	50.000000	9.36e-002	0.01	-15.22		LINR	
Toluene	0.7640000	0.7725900	0.7725900	0.01	1.12	20.00	AVRG	
4-methyl-2-pentanone	0.3080000	0.2893900	0.2893900	0.01	-6.04		AVRG	
Tetrachloroethene	0.4460000	0.4279400	0.4279400	0.01	-4.05		AVRG	
trans-1,3-Dichloropropene	0.5390000	0.5157700	0.5157700	0.01	-4.31		AVRG	
Dibromochloromethane	0.5850000	0.5781200	0.5781200	0.01	-1.18		AVRG	
1,3-Dichloropropane	0.5450000	0.5524500	0.5524500	0.01	1.37		AVRG	
1,2-Dibromoethane	0.3340000	0.3163700	0.3163700	0.01	-5.28		AVRG	
2-Hexanone	0.2590000	0.2522900	0.2522900	0.01	-2.59		AVRG	
Chlorobenzene	1.1060000	1.1033000	1.1033000	0.3	-0.24		AVRG	
Ethylbenzene	1.8710000	1.8419000	1.8419000	0.01	-1.56	20.00	AVRG	
1,1,1,2-Tetrachloroethane	0.5120000	0.5043100	0.5043100	0.01	-1.50		AVRG	
Xylenes (total)	0.0000000	0.6725200	0.6725200	0.01	0.00		AVRG	<-
m+p-Xylenes	0.6670000	0.6804600	0.6804600	0.01	2.02		AVRG	
o-Xylene	0.6460000	0.6566300	0.6566300	0.01	1.64		AVRG	
Styrene	1.0960000	1.1300000	1.1300000	0.01	3.10		AVRG	
Bromoform	0.4300000	0.4185800	0.4185800	0.1	-2.66		AVRG	
Isopropylbenzene	2.7720000	2.6096000	2.6096000	0.01	-5.86		AVRG	
Bromobenzene	1.0250000	0.9636900	0.9636900	0.01	-5.98		AVRG	
N-Propylbenzene	3.5840000	3.3444000	3.3444000	0.01	-6.68		AVRG	
1,1,2,2-Tetrachloroethane	0.6400000	0.6276400	0.6276400	0.3	-1.93		AVRG	
2-Chlorotoluene	2.5880000	2.4655000	2.4655000	0.01	-4.73		AVRG	
1,2,3-Trichloropropane	0.8380000	0.5359200	0.5359200	0.01	-36.05		AVRG	

FORM VII PEST

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Instrument ID: GCMS-Z Calibration Date: 10/25/05 Time: 1244

Lab File ID: Z7991 Init. Calib. Date(s): 10/25/05 10/25/05

Init. Calib. Times: 0800 1118

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
4-Chlorotoluene	2.3490000	2.1651000	2.1651000	0.01	-7.83		AVRG
tert-Butylbenzene	3.0500000	2.6838000	2.6838000	0.01	-12.01		AVRG
1,2,4-Trimethylbenzene	2.7160000	2.6244000	2.6244000	0.01	-3.37		AVRG
P-Isopropyltoluene	2.8230000	2.7215000	2.7215000	0.01	-3.60		AVRG
1,3-Dichlorobenzene	1.7210000	1.6280000	1.6280000	0.01	-5.40		AVRG
1,4-Dichlorobenzene	1.6730000	1.6154000	1.6154000	0.01	-3.44		AVRG
N-Butylbenzene	2.5620000	2.4476000	2.4476000	0.01	-4.46		AVRG
sec-Butylbenzene	3.2790000	3.1327000	3.1327000	0.01	-4.46		AVRG
1,2-Dichlorobenzene	1.5860000	1.5184000	1.5184000	0.01	-4.26		AVRG
1,2-Dibromo-3-Chloropropane	0.3750000	0.3398800	0.3398800	0.01	-9.36		AVRG
Hexachlorobutadiene	0.7660000	0.7006100	0.7006100	0.01	-8.54		AVRG
1,2,4-Trichlorobenzene	1.2110000	1.1244000	1.1244000	0.01	-7.15		AVRG
1,2,3-Trimethylbenzene	1.6520000	1.5738000	1.5738000	0.01	-4.73		AVRG
Naphthalene	1.6870000	1.7491000	1.7491000	0.01	3.68		AVRG
1,2,3-Trichlorobenzene	1.0340000	1.0257000	1.0257000	0.01	-0.80		AVRG
Dibromofluoromethane	0.5870000	0.5638900	0.5638900	0.01	-3.94		AVRG
1,2-Dichloroethane-D4	0.7170000	0.6736400	0.6736400	0.01	-6.05		AVRG
Toluene-D8	1.1630000	1.1584000	1.1584000	0.01	-0.40		AVRG
P-Bromofluorobenzene	0.5000000	0.4711700	0.4711700	0.01	-5.77		AVRG

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: MIDDLE RIVER
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 25-OCT-2005 14:48
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 100

Lab ID: WG22012-2
Client ID: WG22012-Blank
SDG: MID-5
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22012
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	10	1.0	10	10	2
74-87-3	Chloromethane	U	10	1.0	10	10	1.0
75-01-4	Vinyl chloride	U	10	1.0	10	10	2
74-83-9	Bromomethane	U	10	1.0	10	10	2
75-00-3	Chloroethane	U	10	1.0	10	10	1
75-69-4	Trichlorofluoromethane	U	10	1.0	10	10	2
75-65-0	Tertiary-butyl alcohol	U	10	1.0	10	10	7
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	1
75-15-0	Carbon Disulfide	U	5	1.0	5	5	2
76-13-1	Freon-113	U	5	1.0	5	5	2
637-92-3	Ethyl tertiary-butyl ether	U	5	1.0	5	5	0.3
75-09-2	Methylene Chloride		5	1.0	5	5	2
67-64-1	Acetone	U	25	1.0	25	25	4
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.9
1634-04-4	Methyl tert-butyl ether	U	10	1.0	10	10	0.7
108-20-3	Di-isopropyl ether	U	5	1.0	5	5	0.4
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	1
108-05-4	Vinyl Acetate	U	5	1.0	5	5	0.2
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.7
540-59-0	1,2-Dichloroethylene (total)	U	10	1.0	10	10	2
594-20-7	2,2-Dichloropropane	U	5	1.0	5	5	2
74-97-5	Bromochloromethane	U	5	1.0	5	5	1
67-66-3	Chloroform	U	5	1.0	5	5	0.8
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	1
563-58-6	1,1-Dichloropropene	U	5	1.0	5	5	1
78-93-3	2-Butanone	U	25	1.0	25	25	3
71-43-2	Benzene	U	5	1.0	5	5	0.8
994-05-8	Tertiary-amyl methyl ether	U	5	1.0	5	5	0.4
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.6
79-01-6	Trichloroethene	U	5	1.0	5	5	0.8
74-95-3	Dibromomethane	U	5	1.0	5	5	0.5
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.7
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.5
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.3
110-75-8	2-Chloroethylvinylether	U	5	1.0	5	5	1.0
108-88-3	Toluene	U	5	1.0	5	5	0.9
108-10-1	4-methyl-2-pentanone	U	25	1.0	25	25	4
127-18-4	Tetrachloroethene	U	5	1.0	5	5	1
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.6
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.5
142-28-9	1,3-Dichloropropane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.5

Sample Data Summary A0000093

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: MIDDLE RIVER
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 25-OCT-2005 14:48
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 100

Lab ID: WG22012-2
Client ID: WG22012-Blank
SDG: MID-5
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22012
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	25	1.0	25	25	4
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.7
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.8
630-20-6	1,1,1,2-Tetrachloroethane	U	5	1.0	5	5	0.5
1330-20-7	Xylenes (total)	U	15	1.0	15	15	2
	m+p-Xylenes	U	10	1.0	10	10	1
95-47-6	o-Xylene	U	5	1.0	5	5	0.6
100-42-5	Styrene	J	0.4	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.6
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.8
108-86-1	Bromobenzene	U	5	1.0	5	5	1
103-65-1	N-Propylbenzene	U	5	1.0	5	5	0.7
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	1
95-49-8	2-Chlorotoluene	U	5	1.0	5	5	0.7
96-18-4	1,2,3-Trichloropropane	U	5	1.0	5	5	0.8
106-43-4	4-Chlorotoluene	U	5	1.0	5	5	0.5
98-06-6	tert-Butylbenzene	U	5	1.0	5	5	0.7
95-63-6	1,2,4-Trimethylbenzene	U	5	1.0	5	5	0.6
99-87-6	P-Isopropyltoluene	U	5	1.0	5	5	0.7
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.3
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.3
104-51-8	N-Butylbenzene	U	5	1.0	5	5	0.7
135-98-8	sec-Butylbenzene	U	5	1.0	5	5	1.0
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.3
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.8
87-68-3	Hexachlorobutadiene	U	5	1.0	5	5	0.8
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.9
526-73-8	1,2,3-Trimethylbenzene	U	5	1.0	5	5	0.3
91-20-3	Naphthalene	U	5	1.0	5	5	2
87-61-6	1,2,3-Trichlorobenzene	U	5	1.0	5	5	1
1868-53-7	Dibromofluoromethane		88%				
17060-07-0	1,2-Dichloroethane-D4		90%				
2037-26-5	Toluene-D8		90%				
460-00-4	P-Bromofluorobenzene		86%				

Sample Data Summary A0000094

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

WG22012-Blank

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Matrix: (soil/water) SOIL Lab Sample ID: WG22012-2

Sample wt/vol: 5.000(g/mL) G Lab File ID: Z7994

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/25/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
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28.					
29.					
30.					

FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: MIDDLE RIVER
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 10/25/05
Report Date: 11/01/2005
Matrix: SOIL

Lab ID: WG22012-1
Client ID: WG22012-LCS
SDG: MID-5
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22012
Units: ug/Kg

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
Dichlorodifluoromethane	50	NA	47	94	13-217
Chloromethane	50	NA	49	97	36-165
Vinyl chloride	50	NA	53	105	47-159
Bromomethane	50	NA	51	102	43-181
Chloroethane	50	NA	47	95	54-157
Trichlorofluoromethane	50	NA	47	94	62-138
Tertiary-butyl alcohol	250	NA	288	115	74-127
1,1-Dichloroethene	50	NA	53	107	68-141
Carbon Disulfide	50	NA	57	113	45-141
Freon-113	50	NA	54	107	62-142
Ethyl tertiary-butyl ether	50	NA	53	106	75-125
Methylene Chloride	50	NA	50	101	34-171
Acetone	50	NA	90	180	44-226
trans-1,2-Dichloroethene	50	NA	56	111	72-133
Methyl tert-butyl ether	100	NA	105	105	11-259
Di-isopropyl ether	50	NA	56	111	74-126
1,1-Dichloroethane	50	NA	51	103	75-130
Vinyl Acetate	50	NA	45	91	59-162
cis-1,2-Dichloroethene	50	NA	52	105	67-129
1,2-Dichloroethylene (total)	100	NA	108	108	70-130
2,2-Dichloropropane	50	NA	51	103	70-138
Bromochloromethane	50	NA	51	102	73-122
Chloroform	50	NA	51	101	73-127
Carbon Tetrachloride	50	NA	49	98	75-130
1,1,1-Trichloroethane	50	NA	50	100	71-129
1,1-Dichloropropene	50	NA	56	111	84-121
2-Butanone	50	NA	100	200	22-267
Benzene	50	NA	54	109	76-123
Tertiary-amyl methyl ether	50	NA	55	109	73-126
1,2-Dichloroethane	50	NA	52	103	80-123
Trichloroethene	50	NA	52	104	75-136
Dibromomethane	50	NA	50	99	83-121
1,2-Dichloropropane	50	NA	55	110	77-123
Bromodichloromethane	50	NA	48	96	78-107
cis-1,3-dichloropropene	50	NA	53	105	76-125
2-Chloroethylvinylether	50	NA	44	89	0-159
Toluene	50	NA	52	104	76-121
4-methyl-2-pentanone	50	NA	57	115	69-148
Tetrachloroethene	50	NA	55	109	87-114
trans-1,3-Dichloropropene	50	NA	54	108	80-136
Dibromochloromethane	50	NA	51	101	87-114
1,3-Dichloropropane	50	NA	52	105	86-113
1,2-Dibromoethane	50	NA	52	105	81-120
2-Hexanone	50	NA	68	136	67-157
Chlorobenzene	50	NA	53	106	90-111

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: MIDDLE RIVER
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 10/25/05
Report Date: 11/01/2005
Matrix: SOIL

Lab ID: WG22012-1
Client ID: WG22012-LCS
SDG: MID-5
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22012
Units: ug/Kg

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.		%REC.	QC. LIMITS
Ethylbenzene	50	NA	52		103	89-111
1,1,1,2-Tetrachloroethane	50	NA	51		102	89-110
Xylenes (total)	150	NA	159		106	91-113
m+p-Xylenes	100	NA	107		107	91-113
o-Xylene	50	NA	52		103	91-112
Styrene	50	NA	54		108	85-114
Bromoform	50	NA	51		102	92-113
Isopropylbenzene	50	NA	55		111	89-132
Bromobenzene	50	NA	50		101	87-109
N-Propylbenzene	50	NA	52		104	86-119
1,1,2,2-Tetrachloroethane	50	NA	55		111	77-119
2-Chlorotoluene	50	NA	52		103	78-120
1,2,3-Trichloropropane	50	NA	35	*	71	83-115
4-Chlorotoluene	50	NA	52		104	84-118
tert-Butylbenzene	50	NA	49		98	76-128
1,2,4-Trimethylbenzene	50	NA	52		103	83-118
P-Isopropyltoluene	50	NA	56		111	91-120
1,3-Dichlorobenzene	50	NA	54		108	90-113
1,4-Dichlorobenzene	50	NA	54		107	89-112
N-Butylbenzene	50	NA	54		107	80-122
sec-Butylbenzene	50	NA	52		103	86-118
1,2-Dichlorobenzene	50	NA	53		106	90-110
1,2-Dibromo-3-Chloropropane	50	NA	52		105	66-137
Hexachlorobutadiene	50	NA	54		107	80-117
1,2,4-Trichlorobenzene	50	NA	53		106	75-128
1,2,3-Trimethylbenzene	50	NA	51		103	80-126
Naphthalene	50	NA	57		113	72-117
1,2,3-Trichlorobenzene	50	NA	56		112	72-126

FORM III VOA-2
Z7992.D

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Lab File ID (Standard): Z7991 Date Analyzed: 10/25/05

Instrument ID: GCMS-Z Time Analyzed: 1244

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

		IS1(PFB) AREA #	IS1(PFB) RT #	IS2(DFB) AREA #	IS2(DFB) RT #	IS3(CBZ) AREA #	IS3(CBZ) RT #
12 HOUR STD		446119	8.50	557318	9.33	457849	12.55
UPPER LIMIT		892238	9.00	1114636	9.83	915698	13.05
LOWER LIMIT		223060	8.00	278659	8.83	228925	12.05
	CLIENT SAMPLE ID	LAB SAMPLE ID					
01	WG22012-LCS	WG22012-1	453279	8.50	558071	9.33	460393	12.55
02	WG22012-BLANK	WG22012-2	430508	8.50	522631	9.33	439752	12.55
03	SD-13-SS	WV5583-1	393594	8.51	489529	9.33	355519	12.56
04	SD-13-01	WV5583-2	357330	8.49	491103	9.33	298229	12.55
05	SD-13-02	WV5583-3	409830	8.48	543076	9.33	325582	12.55
06	SD-14-SS	WV5583-4	458972	8.50	569666	9.33	468865	12.55
07	SD-14-02	WV5583-6	504342	8.51	631287	9.33	508186	12.56
08	SD-16-02	WV5583-9	425210	8.50	526682	9.33	376030	12.56
09	SD-18-SS	WV5604-3	422229	8.51	518283	9.33	405081	12.56
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

IS1 (PFB) = Pentafluorobenzene
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-D5

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 values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Lab File ID (Standard): Z7991 Date Analyzed: 10/25/05

Instrument ID: GCMS-Z Time Analyzed: 1244

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

		IS4(DCB) AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		276786	14.37				
UPPER LIMIT		553572	14.87				
LOWER LIMIT		138393	13.87				
	CLIENT SAMPLE ID	LAB SAMPLE ID					
01	WG22012-LCS	WG22012-1	280696	14.37				
02	WG22012-BLANK	WG22012-2	265175	14.38				
03	SD-13-SS	WV5583-1	127392*	14.39				
04	SD-13-01	WV5583-2	40640*	14.36				
05	SD-13-02	WV5583-3	148554	14.39				
06	SD-14-SS	WV5583-4	242244	14.38				
07	SD-14-02	WV5583-6	278073	14.38				
08	SD-16-02	WV5583-9	171066	14.37				
09	SD-18-SS	WV5604-3	182863	14.37				
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

IS4 (DCB) = 1,4-Dichlorobenzene-D4

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 values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

Data File: \\Target_server\GG\chem\gcms-f.i\F103105B.b\F9371.D
Report Date: 03-Nov-2005 13:34

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-f.i\F103105B.b\F9371.D
Lab Smp Id: VSTD020F31A
Inj Date : 31-OCT-2005 13:19
Operator : ALH Inst ID: gcms-f.i
Smp Info : VSTD020F31A
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-f.i\F103105B.b\F826A47.m
Meth Date : 01-Nov-2005 08:32 aheath Quant Type: ISTD
Cal Date : 31-OCT-2005 13:19 Cal File: F9371.D
Als bottle: 11 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	ON-COL (ug/l)
1	Dichlorodifluoromethane	85	2.429	2.423	(0.244)	146682	20.0000	21.4(M)
2	Chloromethane	50	2.731	2.701	(0.274)	146530	20.0000	21.7(M)
3	Vinyl chloride	62	2.812	2.806	(0.282)	136848	20.0000	21.7
4	Bromomethane	94	3.264	3.258	(0.328)	101499	20.0000	18.7
5	Chloroethane	64	3.462	3.455	(0.348)	75889	20.0000	19.2(M)
6	Trichlorofluoromethane	101	3.682	3.664	(0.370)	281141	20.0000	21.5
7	Diethyl Ether	59	4.158	4.151	(0.418)	82516	20.0000	19.6
8	Tertiary-butyl alcohol	59	6.200	6.193	(0.623)	29587	100.000	88.5
9	1,1-Dichloroethene	96	4.459	4.453	(0.448)	121320	20.0000	20.6
10	Carbon Disulfide	76	4.494	4.488	(0.451)	390467	20.0000	21.0(M)
11	Freon-113	151	4.564	4.546	(0.458)	116568	20.0000	19.9
12	Iodomethane	142	4.691	4.673	(0.471)	122778	20.0000	19.2(M)
13	Acrolein	56	4.993	4.987	(0.501)	84235	100.000	99.3
14	Methylene Chloride	84	5.457	5.439	(0.548)	152546	20.0000	20.1
15	Acetone	58	5.527	5.520	(0.555)	33361	100.000	99.0
16	Isobutyl Alcohol	43	10.040	10.033	(1.008)	42996	400.000	374
17	trans-1,2-Dichloroethene	96	5.794	5.776	(0.582)	142789	20.0000	20.2
18	Allyl Chloride	41	5.271	5.254	(0.529)	179545	20.0000	20.5
19	Methyl tert-butyl ether	73	6.037	6.019	(0.606)	710027	40.0000	41.2
20	Acetonitrile	39	6.455	6.460	(0.648)	19212	200.000	185
21	Di-isopropyl ether	45	7.012	6.971	(0.704)	464853	20.0000	20.9(M)
22	Chloroprene	53	7.174	7.110	(0.720)	412342	20.0000	32.3
23	Propionitrile	54	9.703	9.708	(0.974)	100402	200.000	188
24	Methacrylonitrile	41	9.750	9.743	(0.979)	738546	200.000	204

Data File: \\Target_server\GG\chem\gcms-f.i\F103105B.b\F9371.D
Report Date: 03-Nov-2005 13:34

			QUANT SIG					AMOUNTS CAL-AMT	ON-COL
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ug/l)	(ug/l)
	25	1,1-Dichloroethane	63	7.104	7.098	(0.713)	247221	20.0000	20.9
	26	Acrylonitrile	52	7.197	7.191	(0.723)	197967	100.000	123
	27	Ethyl tertiary-butyl ether	59	7.801	7.783	(0.783)	460779	20.0000	20.2
	28	Vinyl Acetate	43	7.754	7.748	(0.735)	328232	20.0000	19.3
	29	cis-1,2-Dichloroethene	96	8.299	8.281	(0.833)	150908	20.0000	20.5
M	30	1,2-Dichloroethylene (total)	96				293697	20.0000	(a)
	31	Methyl Methacrylate	41	11.339	11.321	(1.075)	98169	20.0000	19.1
	32	2,2-Dichloropropane	77	8.508	8.502	(0.854)	248096	20.0000	20.7
	33	Bromochloromethane	128	8.647	8.641	(0.868)	73690	20.0000	20.5
	34	Chloroform	83	8.821	8.815	(0.886)	296738	20.0000	20.7
	35	Carbon Tetrachloride	117	9.030	9.024	(0.856)	233492	20.0000	21.5
	36	Tetrahydrofuran	42	9.042	9.036	(0.908)	104078	100.000	84.5
$	37	Dibromofluoromethane	113	9.112	9.105	(0.915)	205114	20.0000	22.4
	38	1,1,1-Trichloroethane	97	9.135	9.140	(0.917)	273198	20.0000	21.0
	39	1,1-Dichloropropene	75	9.367	9.349	(0.888)	199932	20.0000	20.6
	40	2-Butanone	72	9.309	9.302	(0.935)	50451	100.000	101
	41	Benzene	78	9.726	9.720	(0.922)	475228	20.0000	20.8
*	42	Pentafluorobenzene	168	9.958	9.940	(1.000)	730910	50.0000	(M)
	43	Cyclohexane	56	8.682	8.664	(0.872)	163793	20.0000	21.4
	44	Ethyl Methacrylate	69	11.339	11.333	(1.075)	67474	20.0000	19.7
$	45	1,2-Dichloroethane-D4	65	9.866	9.859	(0.991)	228828	20.0000	21.6
	46	Tertiary-amyl methyl ether	73	9.900	9.894	(0.994)	355052	20.0000	20.6
	47	1,2-Dichloroethane	62	9.958	9.952	(0.944)	241974	20.0000	18.4
	48	Trichloroethene	95	10.469	10.463	(0.992)	151658	20.0000	19.1
*	49	1,4-Difluorobenzene	114	10.550	10.544	(1.000)	951189	50.0000	
	50	Dibromomethane	93	10.933	10.927	(1.036)	97831	20.0000	20.1
	51	1,2-Dichloropropane	63	11.061	11.054	(1.048)	117396	20.0000	21.4
	52	Bromodichloromethane	83	11.130	11.124	(1.055)	224921	20.0000	19.9
	53	cis-1,3-dichloropropene	75	11.849	11.855	(1.123)	225577	20.0000	20.6
	54	1,4-Dioxane	88	11.339	11.333	(1.075)	19617	400.000	528
$	55	Toluene-D8	98	12.116	12.110	(1.148)	544185	20.0000	23.0
	56	2-Chloroethylvinylether	63	11.791	11.785	(1.118)	29330	20.0000	18.5
	57	Toluene	92	12.186	12.180	(1.155)	318310	20.0000	20.4
	58	4-methyl-2-pentanone	43	12.615	12.609	(1.196)	491953	100.000	99.5
	59	Tetrachloroethene	164	12.650	12.644	(0.901)	135360	20.0000	21.1
	60	trans-1,3-Dichloropropene	75	12.650	12.655	(1.199)	202625	20.0000	19.3
	61	1,1,2-Trichloroethane	83	12.859	12.852	(1.219)	90062	20.0000	21.0
	62	Dibromochloromethane	129	13.079	13.073	(0.931)	168749	20.0000	20.1
	63	1,3-Dichloropropane	76	13.195	13.189	(0.940)	194441	20.0000	21.1
	64	1,2-Dibromoethane	107	13.381	13.374	(1.268)	131153	20.0000	19.7
	65	2-Hexanone	43	13.648	13.641	(0.972)	321684	100.000	95.1
*	66	Chlorobenzene-D5	117	14.042	14.036	(1.000)	807343	50.0000	
	67	Chlorobenzene	112	14.065	14.059	(1.002)	375605	20.0000	21.2
	68	Ethylbenzene	91	14.088	14.094	(1.003)	642144	20.0000	20.9
	69	1,1,1,2-Tetrachloroethane	131	14.123	14.117	(1.006)	145788	20.0000	20.7
M	70	Xylenes (total)	106				606844	60.0000	(a)
	71	m+p-Xylenes	106	14.274	14.279	(1.017)	411972	40.0000	40.4
	72	o-Xylene	106	14.843	14.836	(1.057)	194872	20.0000	21.2
	73	Styrene	104	14.912	14.906	(1.062)	341661	20.0000	19.6
	74	Bromoform	173	14.935	14.929	(1.064)	109754	20.0000	20.6
	75	Isopropylbenzene	105	15.249	15.242	(0.887)	507973	20.0000	22.4
$	76	P-Bromofluorobenzene	95	15.631	15.637	(1.482)	233643	20.0000	21.6
	77	cis-1,4-Dichloro-2-Butene	53	15.701	15.706	(0.914)	47737	20.0000	22.0
	78	trans-1,4-Dichloro-2-Butene	53	16.130	16.136	(0.939)	45397	20.0000	22.4

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Report Date: 03-Nov-2005 13:34

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/l)	AMOUNTS ON-COL (ug/l)
79	Bromobenzene	156	15.782	15.776	(0.918)	173458	20.0000	21.8
80	N-Propylbenzene	91	15.805	15.811	(0.920)	569556	20.0000	21.4
81	1,1,2,2-Tetrachloroethane	83	15.887	15.892	(0.924)	110111	20.0000	20.7
82	1,3,5-Trimethylbenzene	105	16.072	16.065	(0.935)	285312	20.0000	21.4
83	2-Chlorotoluene	91	16.026	16.030	(0.932)	419179	20.0000	21.2
84	1,2,3-Trichloropropane	75	16.084	16.078	(0.936)	88340	20.0000	18.3
85	4-Chlorotoluene	91	16.258	16.251	(0.946)	376664	20.0000	21.0
86	tert-Butylbenzene	119	16.525	16.518	(0.962)	395662	20.0000	20.8
87	Pentachloroethane	117	16.548	16.542	(0.963)	122118	20.0000	21.1
88	1,2,4-Trimethylbenzene	105	16.618	16.611	(0.967)	271590	20.0000	22.0
89	P-Isopropyltoluene	119	16.966	16.959	(0.987)	285252	20.0000	20.5
90	1,3-Dichlorobenzene	146	17.082	17.087	(0.994)	240133	20.0000	20.5
* 91	1,4-Dichlorobenzene-D4	152	17.186	17.190	(1.000)	335552	50.0000	
92	1,4-Dichlorobenzene	146	17.209	17.215	(1.001)	232273	20.0000	19.7
93	N-Butylbenzene	91	17.569	17.574	(1.022)	224169	20.0000	20.1
94	sec-Butylbenzene	105	16.768	16.762	(0.976)	444113	20.0000	21.1
95	1,2-Dichlorobenzene	146	17.824	17.818	(1.037)	208545	20.0000	19.8
96	1,2-Dibromo-3-Chloropropane	75	18.996	19.001	(1.105)	17237	20.0000	19.0
97	1,3,5-Trichlorobenzene	180	19.054	19.059	(1.109)	92537	20.0000	19.6
98	Hexachlorobutadiene	225	19.982	19.987	(1.163)	58072	20.0000	20.2
99	1,2,4-Trichlorobenzene	180	20.028	20.034	(1.165)	58360	20.0000	19.3
100	1,2,3-Trimethylbenzene	105	17.232	17.238	(1.003)	266257	20.0000	19.8
101	Naphthalene	128	20.527	20.532	(1.194)	53198	20.0000	17.4
102	1,2,3-Trichlorobenzene	180	20.817	20.823	(1.211)	37989	20.0000	18.4
103	Methyl Acetate	43	5.794	5.787	(0.582)	65576	20.0000	17.6
104	Methylcyclohexane	83	10.492	10.474	(1.054)	173159	20.0000	16.3(M)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Lab File ID: ZB210 BFB Injection Date: 10/26/05

Instrument ID: GCMS-Z BFB Injection Time: 0619

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	24.8
75	30.0 - 60.0% of mass 95	45.8
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.3
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	78.3
175	5.0 - 9.0% of mass 174	5.4 (6.8)1
176	95.0 - 101.0% of mass 174	75.1 (95.9)1
177	5.0 - 9.0% of mass 176	5.5 (7.3)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		VSTD050Z26A	Z8012	10/26/05	0647
02	WG22041-LCS	WG22041-1	Z8013	10/26/05	0731
03	WG22041-BLANK	WG22041-2	Z8015	10/26/05	0853
04	SD-13-SS	WV5583-1RA	Z8016	10/26/05	0935
05	SD-13-01	WV5583-2RA	Z8017	10/26/05	1015
06	SD-13-02	WV5583-3RA	Z8018	10/26/05	1055
07	SD-14-02	WV5583-6RA	Z8020	10/26/05	1215
08	SD-16-SS	WV5583-7RA	Z8021	10/26/05	1255
09	SD-16-01	WV5583-8RA	Z8022	10/26/05	1335
10	SD-15-SS	WV5604-1RA	Z8023	10/26/05	1414
11	SD-17-SS	WV5604-2RA	Z8024	10/26/05	1454
12	SD-18-SS	WV5604-3RA	Z8025	10/26/05	1534
13	SD-19-SS	WV5604-4RA	Z8026	10/26/05	1614
14	SD-19-01	WV5604-5RA	Z8027	10/26/05	1655
15	SD-19-02	WV5604-6RA	Z8028	10/26/05	1734
16					
17					
18					
19					
20					
21					
22					

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Instrument ID: GCMS-Z Calibration Date: 10/26/05 Time: 0647

Lab File ID: Z8012 Init. Calib. Date(s): 10/25/05 10/25/05

Init. Calib. Times: 0800 1118

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	
Dichlorodifluoromethane	0.5530000	0.5647500	0.5647500	0.01	2.12		AVRG	
Chloromethane	46.351000	50.000000	0.5454600	0.1	-7.30		LINR	
Vinyl chloride	0.4700000	0.4959000	0.4959000	0.01	5.51	20.00	AVRG	
Bromomethane	0.3140000	0.2999800	0.2999800	0.01	-4.46		AVRG	
Chloroethane	0.2600000	0.2749900	0.2749900	0.01	5.76		AVRG	
Trichlorofluoromethane	0.9850000	1.0130000	1.0130000	0.01	2.84		AVRG	
Tertiary-butyl alcohol	4.4e-002	4.2e-002	4.2e-002	0.01	-4.54		AVRG	
1,1-Dichloroethene	0.4110000	0.4237600	0.4237600	0.1	3.10	20.00	AVRG	
Carbon Disulfide	1.2970000	1.4155000	1.4155000	0.01	9.14		AVRG	
Freon-113	0.4410000	0.4499800	0.4499800	0.01	2.04		AVRG	
Ethyl tertiary-butyl ether	1.6280000	1.6800000	1.6800000	0.01	3.19		AVRG	
Methylene Chloride	50.082000	50.000000	0.5177300	0.01	0.16		LINR	
Acetone	2.6e-002	2.59e-002	2.59e-002	0.01	-0.38		AVRG	
trans-1,2-Dichloroethene	0.4530000	0.4694200	0.4694200	0.01	3.62		AVRG	
Methyl tert-butyl ether	1.3990000	1.4086000	1.4086000	0.01	0.69		AVRG	
Di-isopropyl ether	1.4650000	1.6194000	1.6194000	0.01	10.54		AVRG	
1,1-Dichloroethane	0.8790000	0.9321100	0.9321100	0.3	6.04		AVRG	
Vinyl Acetate	0.8320000	0.8607600	0.8607600	0.01	3.46		AVRG	
cis-1,2-Dichloroethene	0.4760000	0.4749300	0.4749300	0.01	-0.22		AVRG	
1,2-Dichloroethylene (total)	0.0000000	0.4721800	0.4721800	0.01	0.00		AVRG	<-
2,2-Dichloropropane	0.8020000	0.8425700	0.8425700	0.01	5.06		AVRG	
Bromochloromethane	0.2310000	0.2405300	0.2405300	0.01	4.12		AVRG	
Chloroform	1.0000000	1.0360000	1.0360000	0.01	3.60	20.00	AVRG	
Carbon Tetrachloride	0.6860000	0.7310000	0.7310000	0.01	6.56		AVRG	
1,1,1-Trichloroethane	0.9140000	0.9642800	0.9642800	0.01	5.50		AVRG	
1,1-Dichloropropene	0.5080000	0.5708800	0.5708800	0.01	12.38		AVRG	
2-Butanone	3.7e-002	3.63e-002	3.63e-002	0.01	-1.89		AVRG	
Benzene	1.1520000	1.2393000	1.2393000	0.01	7.58		AVRG	
Tertiary-amyl methyl ether	1.2100000	1.2392000	1.2392000	0.01	2.41		AVRG	

FORM VII PEST

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Instrument ID: GCMS-Z Calibration Date: 10/26/05 Time: 0647

Lab File ID: Z8012 Init. Calib. Date(s): 10/25/05 10/25/05

Init. Calib. Times: 0800 1118

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	
1,2-Dichloroethane	0.6570000	0.6893800	0.6893800	0.01	4.93		AVRG	
Trichloroethene	0.3880000	0.3984400	0.3984400	0.01	2.69		AVRG	
Dibromomethane	0.2140000	0.2041000	0.2041000	0.01	-4.63		AVRG	
1,2-Dichloropropane	0.2830000	0.2952200	0.2952200	0.01	4.32	20.00	AVRG	
Bromodichloromethane	0.6220000	0.6222200	0.6222200	0.01	0.04		AVRG	
cis-1,3-dichloropropene	0.5610000	0.5860200	0.5860200	0.01	4.46		AVRG	
2-Chloroethylvinylether	42.769000	50.000000	9.45e-002	0.01	-14.46		LINR	
Toluene	0.7640000	0.8122500	0.8122500	0.01	6.32	20.00	AVRG	
4-methyl-2-pentanone	0.3080000	0.2863000	0.2863000	0.01	-7.04		AVRG	
Tetrachloroethene	0.4460000	0.4779700	0.4779700	0.01	7.17		AVRG	
trans-1,3-Dichloropropene	0.5390000	0.5284700	0.5284700	0.01	-1.95		AVRG	
Dibromochloromethane	0.5850000	0.5799400	0.5799400	0.01	-0.86		AVRG	
1,3-Dichloropropane	0.5450000	0.5238200	0.5238200	0.01	-3.89		AVRG	
1,2-Dibromoethane	0.3340000	0.3242400	0.3242400	0.01	-2.92		AVRG	
2-Hexanone	0.2590000	0.2357800	0.2357800	0.01	-8.96		AVRG	
Chlorobenzene	1.1060000	1.1786000	1.1786000	0.3	6.56		AVRG	
Ethylbenzene	1.8710000	1.9833000	1.9833000	0.01	6.00	20.00	AVRG	
1,1,1,2-Tetrachloroethane	0.5120000	0.5385200	0.5385200	0.01	5.18		AVRG	
Xylenes (total)	0.0000000	0.6928400	0.6928400	0.01	0.00		AVRG	<-
m+p-Xylenes	0.6670000	0.6927000	0.6927000	0.01	3.85		AVRG	
o-Xylene	0.6460000	0.6931200	0.6931200	0.01	7.29		AVRG	
Styrene	1.0960000	1.1539000	1.1539000	0.01	5.28		AVRG	
Bromoform	0.4300000	0.4266900	0.4266900	0.1	-0.77		AVRG	
Isopropylbenzene	2.7720000	2.9040000	2.9040000	0.01	4.76		AVRG	
Bromobenzene	1.0250000	1.0176000	1.0176000	0.01	-0.72		AVRG	
N-Propylbenzene	3.5840000	3.7148000	3.7148000	0.01	3.65		AVRG	
1,1,2,2-Tetrachloroethane	0.6400000	0.6189800	0.6189800	0.3	-3.28		AVRG	
2-Chlorotoluene	2.5880000	2.6774000	2.6774000	0.01	3.45		AVRG	
1,2,3-Trichloropropane	0.8380000	0.5453500	0.5453500	0.01	-34.92		AVRG	

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Instrument ID: GCMS-Z Calibration Date: 10/26/05 Time: 0647

Lab File ID: Z8012 Init. Calib. Date(s): 10/25/05 10/25/05

Init. Calib. Times: 0800 1118

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
4-Chlorotoluene	2.3490000	2.3566000	2.3566000	0.01	0.32		AVRG
tert-Butylbenzene	3.0500000	3.0355000	3.0355000	0.01	-0.48		AVRG
1,2,4-Trimethylbenzene	2.7160000	2.8702000	2.8702000	0.01	5.68		AVRG
P-Isopropyltoluene	2.8230000	3.0338000	3.0338000	0.01	7.47		AVRG
1,3-Dichlorobenzene	1.7210000	1.8196000	1.8196000	0.01	5.73		AVRG
1,4-Dichlorobenzene	1.6730000	1.7707000	1.7707000	0.01	5.84		AVRG
N-Butylbenzene	2.5620000	2.7571000	2.7571000	0.01	7.62		AVRG
sec-Butylbenzene	3.2790000	3.4522000	3.4522000	0.01	5.28		AVRG
1,2-Dichlorobenzene	1.5860000	1.5874000	1.5874000	0.01	0.09		AVRG
1,2-Dibromo-3-Chloropropane	0.3750000	0.3586100	0.3586100	0.01	-4.37		AVRG
Hexachlorobutadiene	0.7660000	0.7707800	0.7707800	0.01	0.62		AVRG
1,2,4-Trichlorobenzene	1.2110000	1.2349000	1.2349000	0.01	1.97		AVRG
1,2,3-Trimethylbenzene	1.6520000	1.7018000	1.7018000	0.01	3.01		AVRG
Naphthalene	1.6870000	1.4321000	1.4321000	0.01	-15.11		AVRG
1,2,3-Trichlorobenzene	1.0340000	1.0302000	1.0302000	0.01	-0.37		AVRG
Dibromofluoromethane	0.5870000	0.6143000	0.6143000	0.01	4.65		AVRG
1,2-Dichloroethane-D4	0.7170000	0.6949800	0.6949800	0.01	-3.07		AVRG
Toluene-D8	1.1630000	1.2184000	1.2184000	0.01	4.76		AVRG
P-Bromofluorobenzene	0.5000000	0.5195200	0.5195200	0.01	3.90		AVRG

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: MIDDLE RIVER
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 26-OCT-2005 08:53
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 100

Lab ID: WG22041-2
Client ID: WG22041-Blank
SDG: MID-5
Extracted by:
Extraction Method: SW846 5035
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22041
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	10	1.0	10	10	2
74-87-3	Chloromethane	U	10	1.0	10	10	1.0
75-01-4	Vinyl chloride	U	10	1.0	10	10	2
74-83-9	Bromomethane	U	10	1.0	10	10	2
75-00-3	Chloroethane	U	10	1.0	10	10	1
75-69-4	Trichlorofluoromethane	U	10	1.0	10	10	2
75-65-0	Tertiary-butyl alcohol	U	10	1.0	10	10	7
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	1
75-15-0	Carbon Disulfide	U	5	1.0	5	5	2
76-13-1	Freon-113	U	5	1.0	5	5	2
637-92-3	Ethyl tertiary-butyl ether	U	5	1.0	5	5	0.3
75-09-2	Methylene Chloride	J	3	1.0	5	5	2
67-64-1	Acetone	U	25	1.0	25	25	4
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.9
1634-04-4	Methyl tert-butyl ether	U	10	1.0	10	10	0.7
108-20-3	Di-isopropyl ether	U	5	1.0	5	5	0.4
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	1
108-05-4	Vinyl Acetate	U	5	1.0	5	5	0.2
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.7
540-59-0	1,2-Dichloroethylene (total)	U	10	1.0	10	10	2
594-20-7	2,2-Dichloropropane	U	5	1.0	5	5	2
74-97-5	Bromochloromethane	U	5	1.0	5	5	1
67-66-3	Chloroform	U	5	1.0	5	5	0.8
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	1
563-58-6	1,1-Dichloropropene	U	5	1.0	5	5	1
78-93-3	2-Butanone	U	25	1.0	25	25	3
71-43-2	Benzene	U	5	1.0	5	5	0.8
994-05-8	Tertiary-amyl methyl ether	U	5	1.0	5	5	0.4
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.6
79-01-6	Trichloroethene	U	5	1.0	5	5	0.8
74-95-3	Dibromomethane	U	5	1.0	5	5	0.5
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.7
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.5
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.3
110-75-8	2-Chloroethylvinylether	U	5	1.0	5	5	1.0
108-88-3	Toluene	U	5	1.0	5	5	0.9
108-10-1	4-methyl-2-pentanone	U	25	1.0	25	25	4
127-18-4	Tetrachloroethene	U	5	1.0	5	5	1
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.6
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.5
142-28-9	1,3-Dichloropropane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.5

Sample Data Summary A0000096

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: MIDDLE RIVER
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 26-OCT-2005 08:53
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 100

Lab ID: WG22041-2
Client ID: WG22041-Blank
SDG: MID-5
Extracted by:
Extraction Method: SW846 5035
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22041
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	25	1.0	25	25	4
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.7
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.8
630-20-6	1,1,1,2-Tetrachloroethane	U	5	1.0	5	5	0.5
1330-20-7	Xylenes (total)	U	15	1.0	15	15	2
	m+p-Xylenes	U	10	1.0	10	10	1
95-47-6	o-Xylene	U	5	1.0	5	5	0.6
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.6
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.8
108-86-1	Bromobenzene	U	5	1.0	5	5	1
103-65-1	N-Propylbenzene	U	5	1.0	5	5	0.7
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	1
95-49-8	2-Chlorotoluene	U	5	1.0	5	5	0.7
96-18-4	1,2,3-Trichloropropane	U	5	1.0	5	5	0.8
106-43-4	4-Chlorotoluene	U	5	1.0	5	5	0.5
98-06-6	tert-Butylbenzene	U	5	1.0	5	5	0.7
95-63-6	1,2,4-Trimethylbenzene	U	5	1.0	5	5	0.6
99-87-6	P-Isopropyltoluene	U	5	1.0	5	5	0.7
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.3
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.3
104-51-8	N-Butylbenzene	U	5	1.0	5	5	0.7
135-98-8	sec-Butylbenzene	U	5	1.0	5	5	1.0
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.3
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.8
87-68-3	Hexachlorobutadiene	U	5	1.0	5	5	0.8
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.9
526-73-8	1,2,3-Trimethylbenzene	U	5	1.0	5	5	0.3
91-20-3	Naphthalene	U	5	1.0	5	5	2
87-61-6	1,2,3-Trichlorobenzene	U	5	1.0	5	5	1
1868-53-7	Dibromofluoromethane		106%				
17060-07-0	1,2-Dichloroethane-D4		105%				
2037-26-5	Toluene-D8		113%				
460-00-4	P-Bromofluorobenzene		107%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

WG22041-Blank

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Matrix: (soil/water) SOIL Lab Sample ID: WG22041-2

Sample wt/vol: 5.000(g/mL) G Lab File ID: Z8015

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/26/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
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30.					

FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: MIDDLE RIVER
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 10/26/05
Report Date: 11/01/2005
Matrix: SOIL

Lab ID: WG22041-1
Client ID: WG22041-LCS
SDG: MID-5
Extracted by:
Extraction Method: SW846 5035
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22041
Units: ug/Kg

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
Dichlorodifluoromethane	50	NA	44	88	13-217
Chloromethane	50	NA	47	94	36-165
Vinyl chloride	50	NA	47	94	47-159
Bromomethane	50	NA	49	97	43-181
Chloroethane	50	NA	51	102	54-157
Trichlorofluoromethane	50	NA	46	93	62-138
Tertiary-butyl alcohol	250	NA	290	116	74-127
1,1-Dichloroethene	50	NA	50	101	68-141
Carbon Disulfide	50	NA	57	114	45-141
Freon-113	50	NA	51	103	62-142
Ethyl tertiary-butyl ether	50	NA	53	105	75-125
Methylene Chloride	50	NA	50	99	34-171
Acetone	50	NA	80	161	44-226
trans-1,2-Dichloroethene	50	NA	54	108	72-133
Methyl tert-butyl ether	100	NA	108	108	11-259
Di-isopropyl ether	50	NA	55	110	74-126
1,1-Dichloroethane	50	NA	54	107	75-130
Vinyl Acetate	50	NA	46	91	59-162
cis-1,2-Dichloroethene	50	NA	53	106	67-129
1,2-Dichloroethylene (total)	100	NA	107	107	70-130
2,2-Dichloropropane	50	NA	52	104	70-138
Bromochloromethane	50	NA	55	109	73-122
Chloroform	50	NA	51	101	73-127
Carbon Tetrachloride	50	NA	51	102	75-130
1,1,1-Trichloroethane	50	NA	52	103	71-129
1,1-Dichloropropene	50	NA	55	111	84-121
2-Butanone	50	NA	98	196	22-267
Benzene	50	NA	54	109	76-123
Tertiary-amyl methyl ether	50	NA	53	106	73-126
1,2-Dichloroethane	50	NA	52	104	80-123
Trichloroethene	50	NA	53	105	75-136
Dibromomethane	50	NA	52	104	83-121
1,2-Dichloropropane	50	NA	54	108	77-123
Bromodichloromethane	50	NA	49	99	78-107
cis-1,3-dichloropropene	50	NA	56	113	76-125
2-Chloroethylvinylether	50	NA	45	90	0-159
Toluene	50	NA	53	106	76-121
4-methyl-2-pentanone	50	NA	57	115	69-148
Tetrachloroethene	50	NA	54	108	87-114
trans-1,3-Dichloropropene	50	NA	56	113	80-136
Dibromochloromethane	50	NA	51	102	87-114
1,3-Dichloropropane	50	NA	55	109	86-113
1,2-Dibromoethane	50	NA	52	104	81-120
2-Hexanone	50	NA	65	130	67-157
Chlorobenzene	50	NA	53	106	90-111

FORM III VOA-2
Z8013.D

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: MIDDLE RIVER
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 10/26/05
Report Date: 11/01/2005
Matrix: SOIL

Lab ID: WG22041-1
Client ID: WG22041-LCS
SDG: MID-5
Extracted by:
Extraction Method: SW846 5035
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22041
Units: ug/Kg

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.		%REC.	QC. LIMITS
Ethylbenzene	50	NA	56	*	112	89-111
1,1,1,2-Tetrachloroethane	50	NA	57	*	114	89-110
Xylenes (total)	150	NA	162		108	91-113
m+p-Xylenes	100	NA	108		108	91-113
o-Xylene	50	NA	54		108	91-112
Styrene	50	NA	55		110	85-114
Bromoform	50	NA	55		109	92-113
Isopropylbenzene	50	NA	59		117	89-132
Bromobenzene	50	NA	51		103	87-109
N-Propylbenzene	50	NA	54		107	86-119
1,1,2,2-Tetrachloroethane	50	NA	56		111	77-119
2-Chlorotoluene	50	NA	50		100	78-120
1,2,3-Trichloropropane	50	NA	37	*	73	83-115
4-Chlorotoluene	50	NA	53		106	84-118
tert-Butylbenzene	50	NA	50		100	76-128
1,2,4-Trimethylbenzene	50	NA	51		102	83-118
P-Isopropyltoluene	50	NA	56		113	91-120
1,3-Dichlorobenzene	50	NA	54		107	90-113
1,4-Dichlorobenzene	50	NA	54		108	89-112
N-Butylbenzene	50	NA	54		108	80-122
sec-Butylbenzene	50	NA	52		105	86-118
1,2-Dichlorobenzene	50	NA	53		106	90-110
1,2-Dibromo-3-Chloropropane	50	NA	53		106	66-137
Hexachlorobutadiene	50	NA	51		103	80-117
1,2,4-Trichlorobenzene	50	NA	53		105	75-128
1,2,3-Trimethylbenzene	50	NA	53		107	80-126
Naphthalene	50	NA	52		104	72-117
1,2,3-Trichlorobenzene	50	NA	54		108	72-126

FORM III VOA-2
Z8013.D

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Lab File ID (Standard): Z8012 Date Analyzed: 10/26/05

Instrument ID: GCMS-Z Time Analyzed: 0647

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

		IS1(PFB) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
12 HOUR STD		407076	8.50	503048	9.34	426572	12.55
UPPER LIMIT		814152	9.00	1006096	9.84	853144	13.05
LOWER LIMIT		203538	8.00	251524	8.84	213286	12.05
	CLIENT SAMPLE ID	LAB SAMPLE ID					
01	WG22041-LCS	WG22041-1	400484	8.49	487031	9.33	405652	12.55
02	WG22041-BLANK	WG22041-2	405615	8.50	485754	9.34	413166	12.55
03	SD-13-SS	WV5583-1RA	373464	8.50	444864	9.34	332489	12.55
04	SD-13-01	WV5583-2RA	302325	8.51	362355	9.33	297624	12.56
05	SD-13-02	WV5583-3RA	397250	8.51	484945	9.33	400702	12.56
06	SD-14-02	WV5583-6RA	214162	8.49	260881	9.33	223925	12.56
07	SD-16-SS	WV5583-7RA	409091	8.50	511834	9.33	395213	12.55
08	SD-16-01	WV5583-8RA	379459	8.50	460206	9.33	332618	12.56
09	SD-15-SS	WV5604-1RA	392585	8.49	467350	9.33	346871	12.55
10	SD-17-SS	WV5604-2RA	395021	8.50	462646	9.32	342659	12.55
11	SD-18-SS	WV5604-3RA	389004	8.49	479064	9.33	357126	12.55
12	SD-19-SS	WV5604-4RA	394744	8.48	472154	9.32	361017	12.55
13	SD-19-01	WV5604-5RA	376668	8.48	451093	9.33	338175	12.54
14	SD-19-02	WV5604-6RA	361739	8.48	445599	9.33	345919	12.54
15								
16								
17								
18								
19								
20								

IS1 (PFB) = Pentafluorobenzene
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-D5

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 values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Lab File ID (Standard): Z8012 Date Analyzed: 10/26/05

Instrument ID: GCMS-Z Time Analyzed: 0647

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

		IS4(DCB) AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		255350	14.37				
UPPER LIMIT		510700	14.87				
LOWER LIMIT		127675	13.87				
	CLIENT SAMPLE ID	LAB SAMPLE ID					
01	WG22041-LCS	WG22041-1	249841	14.38			
02	WG22041-BLANK	WG22041-2	231491	14.39			
03	SD-13-SS	WV5583-1RA	126968*	14.38			
04	SD-13-01	WV5583-2RA	159255	14.38			
05	SD-13-02	WV5583-3RA	219216	14.38			
06	SD-14-02	WV5583-6RA	133682	14.38			
07	SD-16-SS	WV5583-7RA	173090	14.37			
08	SD-16-01	WV5583-8RA	129823	14.38			
09	SD-15-SS	WV5604-1RA	137802	14.38			
10	SD-17-SS	WV5604-2RA	134821	14.37			
11	SD-18-SS	WV5604-3RA	160668	14.38			
12	SD-19-SS	WV5604-4RA	156192	14.37			
13	SD-19-01	WV5604-5RA	134738	14.38			
14	SD-19-02	WV5604-6RA	161445	14.37			
15							
16							
17							
18							
19							
20							

IS4 (DCB) = 1,4-Dichlorobenzene-D4

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 values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Lab File ID: ZB212 BFB Injection Date: 10/27/05

Instrument ID: GCMS-Z BFB Injection Time: 1622

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	24.0
75	30.0 - 60.0% of mass 95	53.3
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.0
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	102.9
175	5.0 - 9.0% of mass 174	6.5 (6.3)1
176	95.0 - 101.0% of mass 174	102.0 (99.2)1
177	5.0 - 9.0% of mass 176	8.5 (8.3)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		VSTD050Z27A	Z8047	10/27/05	1651
02	WG22134-LCS	WG22134-1	Z8048	10/27/05	1734
03	WG22134-BLANK	WG22134-2	Z8050	10/27/05	1855
04	SD-14-01	WV5583-5RA2	Z8051	10/27/05	1935
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
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FORM V VOA

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Instrument ID: GCMS-Z Calibration Date: 10/27/05 Time: 1651

Lab File ID: Z8047 Init. Calib. Date(s): 10/25/05 10/25/05

Init. Calib. Times: 0800 1118

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	
Dichlorodifluoromethane	0.5530000	0.5238600	0.5238600	0.01	-5.27		AVRG	
Chloromethane	40.833000	50.000000	0.4760400	0.1	-18.33		LINR	
Vinyl chloride	0.4700000	0.4706000	0.4706000	0.01	0.13	20.00	AVRG	
Bromomethane	0.3140000	0.3185600	0.3185600	0.01	1.45		AVRG	
Chloroethane	0.2600000	0.2736200	0.2736200	0.01	5.24		AVRG	
Trichlorofluoromethane	0.9850000	0.9904800	0.9904800	0.01	0.56		AVRG	
Tertiary-butyl alcohol	4.4e-002	3.44e-002	3.44e-002	0.01	-21.82		AVRG	
1,1-Dichloroethene	0.4110000	0.4276400	0.4276400	0.1	4.05	20.00	AVRG	
Carbon Disulfide	1.2970000	1.3383000	1.3383000	0.01	3.18		AVRG	
Freon-113	0.4410000	0.4270900	0.4270900	0.01	-3.15		AVRG	
Methylene Chloride	50.476000	50.000000	0.5217000	0.01	0.95		LINR	
Acetone	2.6e-002	2.35e-002	2.35e-002	0.01	-9.62		AVRG	
trans-1,2-Dichloroethene	0.4530000	0.4670700	0.4670700	0.01	3.11		AVRG	
Methyl tert-butyl ether	1.3990000	1.3911000	1.3911000	0.01	-0.56		AVRG	
Di-isopropyl ether	1.4650000	1.5649000	1.5649000	0.01	6.82		AVRG	
1,1-Dichloroethane	0.8790000	0.9100600	0.9100600	0.3	3.53		AVRG	
Ethyl tertiary-butyl ether	1.6280000	1.6900000	1.6900000	0.01	3.81		AVRG	
Vinyl Acetate	0.8320000	0.6463200	0.6463200	0.01	-22.32		AVRG	
cis-1,2-Dichloroethene	0.4760000	0.5120000	0.5120000	0.01	7.56		AVRG	
1,2-Dichloroethylene (total)	0.0000000	0.4895400	0.4895400	0.01	0.00		AVRG	<-
2,2-Dichloropropane	0.8020000	0.7685600	0.7685600	0.01	-4.17		AVRG	
Bromochloromethane	0.2310000	0.2367900	0.2367900	0.01	2.51		AVRG	
Chloroform	1.0000000	1.0330000	1.0330000	0.01	3.30	20.00	AVRG	
Carbon Tetrachloride	0.6860000	0.6806000	0.6806000	0.01	-0.79		AVRG	
1,1,1-Trichloroethane	0.9140000	0.9466400	0.9466400	0.01	3.57		AVRG	
1,1-Dichloropropene	0.5080000	0.5276400	0.5276400	0.01	3.87		AVRG	
2-Butanone	3.7e-002	3.59e-002	3.59e-002	0.01	-2.97		AVRG	
Benzene	1.1520000	1.1702000	1.1702000	0.01	1.58		AVRG	
Tertiary-amyl methyl ether	1.2100000	1.2223000	1.2223000	0.01	1.02		AVRG	

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Instrument ID: GCMS-Z Calibration Date: 10/27/05 Time: 1651

Lab File ID: Z8047 Init. Calib. Date(s): 10/25/05 10/25/05

Init. Calib. Times: 0800 1118

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	
1,2-Dichloroethane	0.6570000	0.6822200	0.6822200	0.01	3.84		AVRG	
Trichloroethene	0.3880000	0.3890800	0.3890800	0.01	0.28		AVRG	
Dibromomethane	0.2140000	0.2154200	0.2154200	0.01	0.66		AVRG	
1,2-Dichloropropane	0.2830000	0.3028800	0.3028800	0.01	7.02	20.00	AVRG	
Bromodichloromethane	0.6220000	0.6443100	0.6443100	0.01	3.59		AVRG	
cis-1,3-dichloropropene	0.5610000	0.5952600	0.5952600	0.01	6.11		AVRG	
2-Chloroethylvinylether	43.908000	50.000000	9.74e-002	0.01	-12.18		LINR	
Toluene	0.7640000	0.7964400	0.7964400	0.01	4.25	20.00	AVRG	
4-methyl-2-pentanone	0.3080000	0.2773600	0.2773600	0.01	-9.95		AVRG	
Tetrachloroethene	0.4460000	0.5552600	0.5552600	0.01	24.50		AVRG	
trans-1,3-Dichloropropene	0.5390000	0.5221600	0.5221600	0.01	-3.12		AVRG	
Dibromochloromethane	0.5850000	0.5823200	0.5823200	0.01	-0.46		AVRG	
1,3-Dichloropropane	0.5450000	0.5539600	0.5539600	0.01	1.64		AVRG	
1,2-Dibromoethane	0.3340000	0.3276400	0.3276400	0.01	-1.90		AVRG	
2-Hexanone	0.2590000	0.2281200	0.2281200	0.01	-11.92		AVRG	
Chlorobenzene	1.1060000	1.1325000	1.1325000	0.3	2.40		AVRG	
Ethylbenzene	1.8710000	1.9080000	1.9080000	0.01	1.98	20.00	AVRG	
1,1,1,2-Tetrachloroethane	0.5120000	0.5445800	0.5445800	0.01	6.36		AVRG	
Xylenes (total)	0.0000000	0.6887200	0.6887200	0.01	0.00		AVRG	<-
m+p-Xylenes	0.6670000	0.6935000	0.6935000	0.01	3.97		AVRG	
o-Xylene	0.6460000	0.6791700	0.6791700	0.01	5.13		AVRG	
Styrene	1.0960000	1.1648000	1.1648000	0.01	6.28		AVRG	
Bromoform	0.4300000	0.4251800	0.4251800	0.1	-1.12		AVRG	
Isopropylbenzene	2.7720000	2.7217000	2.7217000	0.01	-1.81		AVRG	
Bromobenzene	1.0250000	0.9941400	0.9941400	0.01	-3.01		AVRG	
N-Propylbenzene	3.5840000	3.4655000	3.4655000	0.01	-3.31		AVRG	
1,1,2,2-Tetrachloroethane	0.6400000	0.6047500	0.6047500	0.3	-5.51		AVRG	
2-Chlorotoluene	2.5880000	2.5057000	2.5057000	0.01	-3.18		AVRG	
1,2,3-Trichloropropane	0.8380000	0.5378000	0.5378000	0.01	-35.82		AVRG	

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Instrument ID: GCMS-Z Calibration Date: 10/27/05 Time: 1651

Lab File ID: Z8047 Init. Calib. Date(s): 10/25/05 10/25/05

Init. Calib. Times: 0800 1118

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
4-Chlorotoluene	2.3490000	2.3005000	2.3005000	0.01	-2.06		AVRG
tert-Butylbenzene	3.0500000	2.7010000	2.7010000	0.01	-11.44		AVRG
1,2,4-Trimethylbenzene	2.7160000	2.5957000	2.5957000	0.01	-4.43		AVRG
P-Isopropyltoluene	2.8230000	2.7221000	2.7221000	0.01	-3.57		AVRG
1,3-Dichlorobenzene	1.7210000	1.6515000	1.6515000	0.01	-4.04		AVRG
1,4-Dichlorobenzene	1.6730000	1.5859000	1.5859000	0.01	-5.21		AVRG
N-Butylbenzene	2.5620000	2.3908000	2.3908000	0.01	-6.68		AVRG
sec-Butylbenzene	3.2790000	3.2316000	3.2316000	0.01	-1.44		AVRG
1,2-Dichlorobenzene	1.5860000	1.5079000	1.5079000	0.01	-4.92		AVRG
1,2-Dibromo-3-Chloropropane	0.3750000	0.3179400	0.3179400	0.01	-15.22		AVRG
Hexachlorobutadiene	0.7660000	0.6845000	0.6845000	0.01	-10.64		AVRG
1,2,4-Trichlorobenzene	1.2110000	0.9942400	0.9942400	0.01	-17.90		AVRG
1,2,3-Trimethylbenzene	1.6520000	1.6898000	1.6898000	0.01	2.29		AVRG
Naphthalene	1.6870000	1.1799000	1.1799000	0.01	-30.06		AVRG
1,2,3-Trichlorobenzene	1.0340000	0.7917800	0.7917800	0.01	-23.43		AVRG
Dibromofluoromethane	0.5870000	0.5713800	0.5713800	0.01	-2.66		AVRG
1,2-Dichloroethane-D4	0.7170000	0.7021800	0.7021800	0.01	-2.07		AVRG
Toluene-D8	1.1630000	1.1567000	1.1567000	0.01	-0.54		AVRG
P-Bromofluorobenzene	0.5000000	0.4627900	0.4627900	0.01	-7.44		AVRG

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: MIDDLE RIVER
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 27-OCT-2005 18:55
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 100

Lab ID: WG22134-2
Client ID: WG22134-Blank
SDG: MID-5
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22134
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	10	1.0	10	10	2
74-87-3	Chloromethane	U	10	1.0	10	10	1.0
75-01-4	Vinyl chloride	U	10	1.0	10	10	2
74-83-9	Bromomethane	U	10	1.0	10	10	2
75-00-3	Chloroethane	U	10	1.0	10	10	1
75-69-4	Trichlorofluoromethane	U	10	1.0	10	10	2
75-65-0	Tertiary-butyl alcohol	U	10	1.0	10	10	7
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	1
75-15-0	Carbon Disulfide	U	5	1.0	5	5	2
76-13-1	Freon-113	U	5	1.0	5	5	2
75-09-2	Methylene Chloride	J	4	1.0	5	5	2
67-64-1	Acetone	J	6	1.0	25	25	4
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.9
1634-04-4	Methyl tert-butyl ether	U	10	1.0	10	10	0.7
108-20-3	Di-isopropyl ether	U	5	1.0	5	5	0.4
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	1
637-92-3	Ethyl tertiary-butyl ether	U	5	1.0	5	5	0.3
108-05-4	Vinyl Acetate	U	5	1.0	5	5	0.2
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.7
540-59-0	1,2-Dichloroethylene (total)	U	10	1.0	10	10	2
594-20-7	2,2-Dichloropropane	U	5	1.0	5	5	2
74-97-5	Bromochloromethane	U	5	1.0	5	5	1
67-66-3	Chloroform	U	5	1.0	5	5	0.8
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	1
563-58-6	1,1-Dichloropropene	U	5	1.0	5	5	1
78-93-3	2-Butanone	U	25	1.0	25	25	3
71-43-2	Benzene	U	5	1.0	5	5	0.8
994-05-8	Tertiary-amyl methyl ether	U	5	1.0	5	5	0.4
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.6
79-01-6	Trichloroethene	U	5	1.0	5	5	0.8
74-95-3	Dibromomethane	U	5	1.0	5	5	0.5
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.7
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.5
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.3
110-75-8	2-Chloroethylvinylether	U	5	1.0	5	5	1.0
108-88-3	Toluene	U	5	1.0	5	5	0.9
108-10-1	4-methyl-2-pentanone	U	25	1.0	25	25	4
127-18-4	Tetrachloroethene	U	5	1.0	5	5	1
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.6
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.5
142-28-9	1,3-Dichloropropane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.5

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: MIDDLE RIVER
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 27-OCT-2005 18:55
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 100

Lab ID: WG22134-2
Client ID: WG22134-Blank
SDG: MID-5
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22134
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	25	1.0	25	25	4
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.7
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.8
630-20-6	1,1,1,2-Tetrachloroethane	U	5	1.0	5	5	0.5
1330-20-7	Xylenes (total)	U	15	1.0	15	15	2
	m+p-Xylenes	U	10	1.0	10	10	1
95-47-6	o-Xylene	U	5	1.0	5	5	0.6
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.6
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.8
108-86-1	Bromobenzene	U	5	1.0	5	5	1
103-65-1	N-Propylbenzene	U	5	1.0	5	5	0.7
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	1
95-49-8	2-Chlorotoluene	U	5	1.0	5	5	0.7
96-18-4	1,2,3-Trichloropropane	U	5	1.0	5	5	0.8
106-43-4	4-Chlorotoluene	U	5	1.0	5	5	0.5
98-06-6	tert-Butylbenzene	U	5	1.0	5	5	0.7
95-63-6	1,2,4-Trimethylbenzene	U	5	1.0	5	5	0.6
99-87-6	P-Isopropyltoluene	U	5	1.0	5	5	0.7
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.3
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.3
104-51-8	N-Butylbenzene	U	5	1.0	5	5	0.7
135-98-8	sec-Butylbenzene	U	5	1.0	5	5	1.0
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.3
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.8
87-68-3	Hexachlorobutadiene	U	5	1.0	5	5	0.8
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.9
526-73-8	1,2,3-Trimethylbenzene	U	5	1.0	5	5	0.3
91-20-3	Naphthalene	U	5	1.0	5	5	2
87-61-6	1,2,3-Trichlorobenzene	U	5	1.0	5	5	1
1868-53-7	Dibromofluoromethane		105%				
17060-07-0	1,2-Dichloroethane-D4		107%				
2037-26-5	Toluene-D8		115%				
460-00-4	P-Bromofluorobenzene		108%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

WG22134-Blank

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Matrix: (soil/water) SOIL Lab Sample ID: WG22134-2

Sample wt/vol: 5.000(g/mL) G Lab File ID: Z8050

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/27/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	541-05-9	CYCLOTRISILOXANE, HEXAMETHY	11.17	5	NJ
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FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: MIDDLE RIVER
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 10/27/05
Report Date: 11/01/2005
Matrix: SOIL

Lab ID: WG22134-1
Client ID: WG22134-LCS
SDG: MID-5
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22134
Units: ug/Kg

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.		%REC.	QC. LIMITS
Dichlorodifluoromethane	50	NA	70		140	13-217
Chloromethane	50	NA	46		93	36-165
Vinyl chloride	50	NA	57		113	47-159
Bromomethane	50	NA	56		112	43-181
Chloroethane	50	NA	55		110	54-157
Trichlorofluoromethane	50	NA	52		103	62-138
Tertiary-butyl alcohol	250	NA	202		81	74-127
1,1-Dichloroethene	50	NA	48		96	68-141
Carbon Disulfide	50	NA	53		106	45-141
Freon-113	50	NA	48		95	62-142
Methylene Chloride	50	NA	51		103	34-171
Acetone	50	NA	67		134	44-226
trans-1,2-Dichloroethene	50	NA	52		103	72-133
Methyl tert-butyl ether	100	NA	103		103	11-259
Di-isopropyl ether	50	NA	54		108	74-126
1,1-Dichloroethane	50	NA	52		104	75-130
Ethyl tertiary-butyl ether	50	NA	52		104	75-125
Vinyl Acetate	50	NA	32		63	59-162
cis-1,2-Dichloroethene	50	NA	51		102	67-129
1,2-Dichloroethylene (total)	100	NA	102		102	70-130
2,2-Dichloropropane	50	NA	46		91	70-138
Bromochloromethane	50	NA	53		106	73-122
Chloroform	50	NA	50		100	73-127
Carbon Tetrachloride	50	NA	49		97	75-130
1,1,1-Trichloroethane	50	NA	49		99	71-129
1,1-Dichloropropene	50	NA	50		100	84-121
2-Butanone	50	NA	81		162	22-267
Benzene	50	NA	51		102	76-123
Tertiary-amyl methyl ether	50	NA	50		100	73-126
1,2-Dichloroethane	50	NA	50		101	80-123
Trichloroethene	50	NA	50		100	75-136
Dibromomethane	50	NA	47		94	83-121
1,2-Dichloropropane	50	NA	52		105	77-123
Bromodichloromethane	50	NA	47		94	78-107
cis-1,3-dichloropropene	50	NA	51		102	76-125
2-Chloroethylvinylether	50	NA	40		80	0-159
Toluene	50	NA	50		101	76-121
4-methyl-2-pentanone	50	NA	48		96	69-148
Tetrachloroethene	50	NA	62	*	123	87-114
trans-1,3-Dichloropropene	50	NA	50		100	80-136
Dibromochloromethane	50	NA	46		92	87-114
1,3-Dichloropropane	50	NA	48		96	86-113
1,2-Dibromoethane	50	NA	50		99	81-120
2-Hexanone	50	NA	48		96	67-157
Chlorobenzene	50	NA	49		99	90-111

FORM III VOA-2
Z8048.D

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: MIDDLE RIVER
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 10/27/05
Report Date: 11/01/2005
Matrix: SOIL

Lab ID: WG22134-1
Client ID: WG22134-LCS
SDG: MID-5
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22134
Units: ug/Kg

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.		%REC.	QC. LIMITS
Ethylbenzene	50	NA	49		98	89-111
1,1,1,2-Tetrachloroethane	50	NA	50		100	89-110
Xylenes (total)	150	NA	146		97	91-113
m+p-Xylenes	100	NA	97		97	91-113
o-Xylene	50	NA	49		98	91-112
Styrene	50	NA	48		96	85-114
Bromoform	50	NA	47		94	92-113
Isopropylbenzene	50	NA	52		105	89-132
Bromobenzene	50	NA	49		97	87-109
N-Propylbenzene	50	NA	48		97	86-119
1,1,2,2-Tetrachloroethane	50	NA	49		98	77-119
2-Chlorotoluene	50	NA	49		97	78-120
1,2,3-Trichloropropane	50	NA	37	*	75	83-115
4-Chlorotoluene	50	NA	47		93	84-118
tert-Butylbenzene	50	NA	42		84	76-128
1,2,4-Trimethylbenzene	50	NA	47		94	83-118
P-Isopropyltoluene	50	NA	50		99	91-120
1,3-Dichlorobenzene	50	NA	47		95	90-113
1,4-Dichlorobenzene	50	NA	46		92	89-112
N-Butylbenzene	50	NA	45		89	80-122
sec-Butylbenzene	50	NA	48		97	86-118
1,2-Dichlorobenzene	50	NA	47		94	90-110
1,2-Dibromo-3-Chloropropane	50	NA	45		91	66-137
Hexachlorobutadiene	50	NA	43		87	80-117
1,2,4-Trichlorobenzene	50	NA	42		84	75-128
1,2,3-Trimethylbenzene	50	NA	48		96	80-126
Naphthalene	50	NA	45		90	72-117
1,2,3-Trichlorobenzene	50	NA	43		87	72-126

FORM III VOA-2
Z8048.D

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Lab File ID (Standard): Z8047 Date Analyzed: 10/27/05

Instrument ID: GCMS-Z Time Analyzed: 1651

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

		IS1(PFB) AREA #	IS1(PFB) RT #	IS2(DFB) AREA #	IS2(DFB) RT #	IS3(CBZ) AREA #	IS3(CBZ) RT #
12 HOUR STD		417868	8.47	517050	9.32	437037	12.53
UPPER LIMIT		835736	8.97	1034100	9.82	874074	13.03
LOWER LIMIT		208934	7.97	258525	8.82	218519	12.03
	CLIENT SAMPLE ID	LAB SAMPLE ID					
01	WG22134-LCS	WG22134-1	411850	8.47	510049	9.31	437398	12.54
02	WG22134-BLANK	WG22134-2	420883	8.47	500874	9.30	423358	12.53
03	SD-14-01	WV5583-5RA2	274565	8.47	323548	9.30	262552	12.53
04								
05								
06								
07								
08								
09								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

IS1 (PFB) = Pentafluorobenzene
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-D5

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 values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Lab File ID (Standard): Z8047 Date Analyzed: 10/27/05

Instrument ID: GCMS-Z Time Analyzed: 1651

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

		IS4(DCB) AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		268218	14.36				
UPPER LIMIT		536436	14.86				
LOWER LIMIT		134109	13.86				
	CLIENT SAMPLE ID	LAB SAMPLE ID					
01	WG22134-LCS	WG22134-1	254018	14.36				
02	WG22134-BLANK	WG22134-2	244736	14.36				
03	SD-14-01	WV5583-5RA2	138709	14.36				
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19								
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IS4 (DCB) = 1,4-Dichlorobenzene-D4

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 values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Lab File ID: MB303 BFB Injection Date: 10/26/05

Instrument ID: GCMS-M BFB Injection Time: 0717

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.5
75	30.0 - 60.0% of mass 95	47.9
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	93.7
175	5.0 - 9.0% of mass 174	5.8 (6.2)1
176	95.0 - 101.0% of mass 174	89.8 (95.8)1
177	5.0 - 9.0% of mass 176	6.4 (7.1)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		VSTD050M26A	M9807	10/26/05	0745
02		VSTD005M26A	M9810	10/26/05	0940
03		VSTD200M26A	M9811	10/26/05	1019
04		VSTD100M26B	M9813	10/26/05	1158
05		VSTD020M26B	M9814	10/26/05	1302
06		VSTD010M26B	M9815	10/26/05	1340
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FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project MIDDLE RIVER SDG No.: MID-5

Instrument ID: GCMS-M Calibration Date(s): 10/26/05 10/26/05

Column: RTX-VMS ID: 0.18 (mm) Calibration Time(s): 0745 1340

LAB FILE ID: RF5: M9810 RF10: M9815 RF20: M9814
RF50: M9807 RF100: M9813 RF200: M9811

								COEFFICENTS			%RSD	MAX %RSD
COMPOUND	RF5	RF10	RF20	RF50	RF100	RF200	CURVE	A0	A1	A2	OR R^2	OR R^2
Dichlorodifluoromethane	0.438	0.577	0.566	0.638	0.602	0.592	AVRG		0.56888000		12.125	15.000
Chloromethane	0.655	0.614	0.657	0.723	0.767	0.750	AVRG		0.69438814		8.769	15.000
Vinyl chloride	0.497	0.596	0.646	0.586	0.678	0.685	AVRG		0.61482352		11.483	15.000
Bromomethane	6065	10792	27270	93892	203100	452890	LINR	0.12374413	2.19598299		0.99816	0.99000
Chloroethane	0.292	0.310	0.330	0.302	0.379	0.287	AVRG		0.31663909		10.732	15.000
Trichlorofluoromethane	0.840	1.070	1.127	1.184	1.183	1.085	AVRG		1.08150268		11.805	15.000
Tertiary-butyl alcohol	277	441	36312	58417		272210	LINR	0.37642524	18.2007177		0.99579	0.99000
1,1-Dichloroethene	0.408	0.471	0.492	0.520	0.512	0.471	AVRG		0.47898330		8.371	15.000
Carbon Disulfide	1.368	1.577	1.601	1.776	1.758	1.551	AVRG		1.60513514		9.356	15.000
Freon-113	0.288	0.411	0.382	0.419	0.410	0.344	AVRG		0.37566767		13.582	15.000
Ethyl tertiary-butyl ethe	1.833	2.352	2.374	2.120	2.214	2.098	AVRG		2.16514593		9.190	15.000
Methylene Chloride	31593	43133	88269	146440	326950	611210	LINR	-0.1255473	1.69783669		0.99867	0.99000
Acetone	5729	4714	21674	45003	98531	196060	LINR	7.782e-002	25.6519688		0.99902	0.99000
trans-1,2-Dichloroethene	0.544	0.503	0.590	0.639	0.639	0.584	AVRG		0.58303997		9.185	15.000
Methyl tert-butyl ether	1.381	1.759	1.962	1.706	1.711	1.703	AVRG		1.70366269		10.942	15.000
Di-isopropyl ether	2.386	2.952	2.843	2.302	2.550	2.674	AVRG		2.61810998		9.716	15.000
1,1-Dichloroethane	1.036	1.191	1.203	1.216	1.214	1.201	AVRG		1.17677554		5.917	15.000
Vinyl Acetate	0.876	0.844	1.182	0.958	0.979	1.033	AVRG		0.97889382		12.372	15.000
cis-1,2-Dichloroethene	0.621	0.640	0.701	0.830	0.774	0.757	AVRG		0.72056154		11.274	15.000
1,2-Dichloroethylene (tot							AVRG					0.000
2,2-Dichloropropane	0.895	0.939	1.022	1.185	1.065	1.023	AVRG		1.02153820		9.932	15.000
Bromochloromethane	0.324	0.289	0.364	0.334	0.328	0.338	AVRG		0.32927179		7.380	15.000
Chloroform	1.150	1.248	1.316	1.512	1.435	1.366	AVRG		1.33782269		9.722	15.000
Carbon Tetrachloride	0.443	0.472	0.575	0.637	0.568	0.582	AVRG		0.54627757		13.463	15.000
1,1,1-Trichloroethane	0.929	1.030	1.128	1.323	1.179	1.127	AVRG		1.11949333		11.937	15.000
1,1-Dichloropropene	0.471	0.374	0.515	0.505	0.528	0.465	AVRG		0.47650926		11.747	15.000
2-Butanone	5506	10726	39776	64634	126240	311330	2ORDR	-0.3018770	21.4374911	-3.9513655	0.99549	0.99000
Benzene	1.322	1.259	1.449	1.418	1.404	1.449	AVRG		1.38364318		5.537	15.000
Tertiary-amyl methyl ethe	1.570	1.948	1.941	1.580	1.839	1.782	AVRG		1.77669471		9.477	15.000
1,2-Dichloroethane	0.517	0.509	0.640	0.570	0.603	0.638	AVRG		0.57954670		9.945	15.000
Trichloroethene	0.385	0.359	0.436	0.431	0.385	0.410	AVRG		0.40105757		7.471	15.000
Dibromomethane	0.271	0.259	0.329	0.300	0.308	0.315	AVRG		0.29708392		9.023	15.000
1,2-Dichloropropane	0.330	0.360	0.391	0.322	0.322	0.384	AVRG		0.35169816		8.905	15.000
Bromodichloromethane	0.581	0.529	0.720	0.608	0.593	0.610	AVRG		0.60694137		10.351	15.000
cis-1,3-dichloropropene	0.619	0.525	0.643	0.605	0.592	0.653	AVRG		0.60615288		7.552	15.000
2-Chloroethylvinylether	6733	13505	40959	82600	197260	361430	LINR	2.072e-002	4.68282779		0.99918	0.99000
Toluene	0.862	0.753	0.964	0.964	0.921	0.859	AVRG		0.88709746		9.057	15.000
4-methyl-2-pentanone	62737	137100	418630	815420	1822200	3343300	LINR	-3.86e-002	2.54792446		0.99905	0.99000
Tetrachloroethene	0.263	0.299	0.339	0.356	0.322	0.394	AVRG		0.32896818		13.843	15.000
trans-1,3-Dichloropropene	0.471	0.482	0.587	0.495	0.574	0.572	AVRG		0.53012146		9.967	15.000
Dibromochloromethane	0.396	0.476	0.567	0.523	0.498	0.603	AVRG		0.51040563		14.238	15.000
1,3-Dichloropropane	0.566	0.639	0.668	0.561	0.535	0.686	AVRG		0.60927507		10.362	15.000
1,2-Dibromoethane	0.333	0.320	0.457	0.403	0.388	0.417	AVRG		0.38621770		13.446	15.000
2-Hexanone	0.290	0.310	0.435	0.330	0.340	0.351	AVRG		0.34270017		14.573	15.000

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project MIDDLE RIVER SDG No.: MID-5

Instrument ID: GCMS-M Calibration Date(s): 10/26/05 10/26/05

Column: RTX-VMS ID: 0.18 (mm) Calibration Time(s): 0745 1340

LAB FILE ID: RF5: M9810 RF10: M9815 RF20: M9814
RF50: M9807 RF100: M9813 RF200: M9811

COMPOUND	RF5	RF10	RF20	RF50	RF100	RF200	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2
Chlorobenzene	1.108	1.130	1.229	1.200	1.128	1.275	AVRG		1.17810372		5.661	15.000
Ethylbenzene	1.647	1.724	2.086	1.942	1.835	2.127	AVRG		1.89361467		10.213	15.000
1,1,1,2-Tetrachloroethane	0.385	0.429	0.448	0.437	0.413	0.483	AVRG		0.43246910		7.671	15.000
Xylenes (total)							AVRG					0.000
m+p-Xylenes	0.640	0.707	0.738	0.652	0.633	0.752	AVRG		0.68709182		7.577	15.000
o-Xylene	0.660	0.616	0.704	0.744	0.606	0.774	AVRG		0.68414119		9.970	15.000
Styrene	1.028	1.038	1.256	1.170	1.037	1.218	AVRG		1.12447243		9.088	15.000
Bromoform	0.289	0.280	0.321	0.328	0.302	0.392	AVRG		0.31872093		12.601	15.000
Isopropylbenzene	3.916	3.658	3.720	3.940	3.350	3.948	AVRG		3.75543885		6.216	15.000
Bromobenzene	0.899	1.101	1.077	1.337	1.156	1.025	AVRG		1.09911476		13.236	15.000
N-Propylbenzene	4.396	4.811	5.286	5.838	5.520	4.742	AVRG		5.09875483		10.610	15.000
1,1,2,2-Tetrachloroethane	1.070	1.017	1.152	1.128	1.211	1.049	AVRG		1.10448395		6.550	15.000
2-Chlorotoluene	3.298	3.514	3.904	4.209	3.412	3.187	AVRG		3.58719248		10.912	15.000
1,2,3-Trichloropropane	28176	37128	70445	133020	219710	471740	LINR	-0.2104285	1.46154972		0.99425	0.99000
4-Chlorotoluene	2.867	2.911	3.179	3.711	3.320	2.813	AVRG		3.13353685		10.990	15.000
tert-Butylbenzene	38004	69603	170950	586750		2541600	LINR	5.275e-002	0.25196328		0.99769	0.99000
1,2,4-Trimethylbenzene	3.286	3.347	3.065	4.397	3.397	3.102	AVRG		3.43245627		14.304	15.000
P-Isopropyltoluene	3.797	3.211	3.218	4.083	3.813	3.413	AVRG		3.58916152		10.036	15.000
1,3-Dichlorobenzene	2.026	1.739	1.822	2.332	1.915	1.930	AVRG		1.96065595		10.536	15.000
1,4-Dichlorobenzene	1.757	1.577	1.891	2.304	1.720	1.684	AVRG		1.82199754		14.106	15.000
N-Butylbenzene	3.201	3.380	3.274	4.268	3.400	2.825	AVRG		3.39108160		14.072	15.000
sec-Butylbenzene	59574	141330	276660	776300	1618500	2434400	2ORDR	0.17086842	4.969e-002	1.364e-002	0.99431	0.99000
1,2-Dichlorobenzene	1.720	1.800	1.784	2.059	1.923	1.780	AVRG		1.84427796		6.749	15.000
1,2-Dibromo-3-Chloropropa	0.479	0.534	0.555	0.655	0.493	0.501	AVRG		0.53610681		12.045	15.000
Hexachlorobutadiene	0.542	0.610	0.605	0.827	0.654	0.690	AVRG		0.65486378		14.982	15.000
1,2,4-Trichlorobenzene	16673	27614	71027	223880	370420	758070	2ORDR	5.518e-002	0.63365823	4.757e-002	0.99315	0.99000
1,2,3-Trimethylbenzene	2.154	2.374	2.482	2.493	2.133	2.271	AVRG		2.31778865		6.786	15.000
Naphthalene	30164	72467	200230	433210	809900	1552400	LINR	-9.71e-002	0.41929941		0.99209	0.99000
1,2,3-Trichlorobenzene	0.893	1.069	1.118	1.343	1.053	0.994	AVRG		1.07838575		14.003	15.000
Dibromofluoromethane	0.676		0.804	0.870	0.814	0.778	AVRG		0.78881949		9.028	15.000
1,2-Dichloroethane-D4	0.749	0.885	0.889	0.786	0.825	0.868	AVRG		0.83384545		6.858	15.000
Toluene-D8	1.262	1.454	1.318	1.218	1.062	1.234	AVRG		1.25787121		10.212	15.000
P-Bromofluorobenzene	0.555	0.541	0.477	0.521	0.420	0.511	AVRG		0.50405671		9.780	15.000

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project MIDDLE RIVER SDG No.: MID-5

Instrument ID: GCMS-M Calibration Date(s): 10/26/05 10/26/05

Column: RTX-VMS ID: 0.18 (mm) Calibration Time(s): 0745 1340

Average %RSD test result.
Calculate Average %RSD: 10.51543236
Maximum Average %RSD: 15.00000000
Note: Passes Average %RSD Test.

FORM VI VOA

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Lab File ID: MB304 BFB Injection Date: 10/26/05

Instrument ID: GCMS-M BFB Injection Time: 1532

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.4
75	30.0 - 60.0% of mass 95	50.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	8.3
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	77.2
175	5.0 - 9.0% of mass 174	6.9 (9.0)1
176	95.0 - 101.0% of mass 174	75.3 (97.6)1
177	5.0 - 9.0% of mass 176	5.2 (6.9)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		VSTD050M26A	M9817	10/26/05	1559
02	WG22077-LCS	WG22077-1	M9819	10/26/05	1724
03	WG22077-BLANK	WG22077-2	M9821	10/26/05	1843
04	SD-20-SS	WV5604-7	M9822	10/26/05	1921
05	SD-21-SS	WV5604-8	M9823	10/26/05	2000
06	SD-22-SS	WV5604-9	M9824	10/26/05	2038
07	SD-23-SS	WV5604-10	M9825	10/26/05	2117
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FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Instrument ID: GCMS-M Calibration Date: 10/26/05 Time: 1559

Lab File ID: M9817 Init. Calib. Date(s): 10/26/05 10/26/05

Init. Calib. Times: 0745 1340

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	
Dichlorodifluoromethane	0.5690000	0.5431200	0.5431200	0.01	-4.55		AVRG	
Chloromethane	0.6940000	0.7106800	0.7106800	0.1	2.40		AVRG	
Vinyl chloride	0.6150000	0.6493500	0.6493500	0.01	5.58	20.00	AVRG	
Bromomethane	46.518000	50.000000	0.3673200	0.01	-6.96		LINR	
Chloroethane	0.3170000	0.3379200	0.3379200	0.01	6.60		AVRG	
Trichlorofluoromethane	1.0820000	1.0773000	1.0773000	0.01	-0.43		AVRG	
Tertiary-butyl alcohol	156.43000	250.00000	3.02e-002	0.01	-37.43		LINR	
1,1-Dichloroethene	0.4790000	0.4679400	0.4679400	0.1	-2.31	20.00	AVRG	
Carbon Disulfide	1.6050000	1.6620000	1.6620000	0.01	3.55		AVRG	
Freon-113	0.3760000	0.3712800	0.3712800	0.01	-1.26		AVRG	
Ethyl tertiary-butyl ether	2.1650000	1.2210000	1.2210000	0.01	-43.60		AVRG	
Methylene Chloride	47.266000	50.000000	0.6307300	0.01	-5.47		LINR	
Acetone	86.429000	250.00000	1.29e-002	0.01	-65.43		LINR	
trans-1,2-Dichloroethene	0.5830000	0.6658500	0.6658500	0.01	14.21		AVRG	
Methyl tert-butyl ether	1.7040000	1.7446000	1.7446000	0.01	2.38		AVRG	
Di-isopropyl ether	2.6180000	2.6143000	2.6143000	0.01	-0.14		AVRG	
1,1-Dichloroethane	1.1770000	1.2511000	1.2511000	0.3	6.30		AVRG	
Vinyl Acetate	0.9790000	1.0489000	1.0489000	0.01	7.14		AVRG	
cis-1,2-Dichloroethene	0.7200000	0.7437600	0.7437600	0.01	3.30		AVRG	
1,2-Dichloroethylene (total)	0.0000000	0.7048100	0.7048100	0.01	0.00		AVRG	<-
2,2-Dichloropropane	1.0220000	0.9662800	0.9662800	0.01	-5.45		AVRG	
Bromochloromethane	0.3300000	0.3316000	0.3316000	0.01	0.48		AVRG	
Chloroform	1.3380000	1.2913000	1.2913000	0.01	-3.49	20.00	AVRG	
Carbon Tetrachloride	0.5460000	0.5594800	0.5594800	0.01	2.47		AVRG	
1,1,1-Trichloroethane	1.1190000	1.0971000	1.0971000	0.01	-1.96		AVRG	
1,1-Dichloropropene	0.4760000	0.5461600	0.5461600	0.01	14.74		AVRG	
2-Butanone	113.60000	250.00000	2.46e-002	0.01	-54.56		2RDR	
Benzene	1.3840000	1.5125000	1.5125000	0.01	9.28		AVRG	
Tertiary-amyl methyl ether	1.7770000	1.8136000	1.8136000	0.01	2.06		AVRG	

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Instrument ID: GCMS-M Calibration Date: 10/26/05 Time: 1559

Lab File ID: M9817 Init. Calib. Date(s): 10/26/05 10/26/05

Init. Calib. Times: 0745 1340

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	
1,2-Dichloroethane	0.5800000	0.6546800	0.6546800	0.01	12.88		AVRG	
Trichloroethene	0.4010000	0.4420000	0.4420000	0.01	10.22		AVRG	
Dibromomethane	0.2970000	0.3221900	0.3221900	0.01	8.48		AVRG	
1,2-Dichloropropane	0.3520000	0.3606200	0.3606200	0.01	2.45	20.00	AVRG	
Bromodichloromethane	0.6070000	0.6954800	0.6954800	0.01	14.58		AVRG	
cis-1,3-dichloropropene	0.6060000	0.7140000	0.7140000	0.01	17.82		AVRG	
2-Chloroethylvinylether	57.466000	50.000000	0.2410100	0.01	14.93		LINR	
Toluene	0.8870000	0.9235100	0.9235100	0.01	4.12	20.00	AVRG	
4-methyl-2-pentanone	294.37000	250.00000	0.4651600	0.01	17.75		LINR	
Tetrachloroethene	0.3290000	0.3213600	0.3213600	0.01	-2.32		AVRG	
trans-1,3-Dichloropropene	0.5300000	0.5750200	0.5750200	0.01	8.49		AVRG	
Dibromochloromethane	0.5100000	0.5323000	0.5323000	0.01	4.37		AVRG	
1,3-Dichloropropane	0.6090000	0.6141200	0.6141200	0.01	0.84		AVRG	
1,2-Dibromoethane	0.3860000	0.4160000	0.4160000	0.01	7.77		AVRG	
2-Hexanone	0.3430000	0.3874700	0.3874700	0.01	12.96		AVRG	
Chlorobenzene	1.1780000	1.2758000	1.2758000	0.3	8.30		AVRG	
Ethylbenzene	1.8940000	2.2388000	2.2388000	0.01	18.20	20.00	AVRG	
1,1,1,2-Tetrachloroethane	0.4320000	0.4489200	0.4489200	0.01	3.92		AVRG	
Xylenes (total)	0.0000000	0.7307100	0.7307100	0.01	0.00		AVRG	<-
m+p-Xylenes	0.6870000	0.7393600	0.7393600	0.01	7.62		AVRG	
o-Xylene	0.6840000	0.7134000	0.7134000	0.01	4.30		AVRG	
Styrene	1.1240000	1.0697000	1.0697000	0.01	-4.83		AVRG	
Bromoform	0.3190000	0.3221700	0.3221700	0.1	0.99		AVRG	
Isopropylbenzene	3.7550000	3.8076000	3.8076000	0.01	1.40		AVRG	
Bromobenzene	1.0990000	0.9989100	0.9989100	0.01	-9.11		AVRG	
N-Propylbenzene	5.0990000	4.5103000	4.5103000	0.01	-11.54		AVRG	
1,1,2,2-Tetrachloroethane	1.1040000	1.0854000	1.0854000	0.3	-1.68		AVRG	
2-Chlorotoluene	3.5870000	3.4497000	3.4497000	0.01	-3.83		AVRG	
1,2,3-Trichloropropane	46.708000	50.000000	0.7831300	0.01	-6.58		LINR	

FORM VII PEST

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Instrument ID: GCMS-M Calibration Date: 10/26/05 Time: 1559

Lab File ID: M9817 Init. Calib. Date(s): 10/26/05 10/26/05

Init. Calib. Times: 0745 1340

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
4-Chlorotoluene	3.1340000	2.9117000	2.9117000	0.01	-7.09		AVRG
tert-Butylbenzene	36.939000	50.000000	2.7227000	0.01	26.12		LINR
1,2,4-Trimethylbenzene	3.4320000	3.2272000	3.2272000	0.01	-5.97		AVRG
P-Isopropyltoluene	3.5890000	3.2444000	3.2444000	0.01	-9.60		AVRG
1,3-Dichlorobenzene	1.9610000	1.6708000	1.6708000	0.01	-14.80		AVRG
1,4-Dichlorobenzene	1.8220000	1.7118000	1.7118000	0.01	-6.05		AVRG
N-Butylbenzene	3.3910000	3.0269000	3.0269000	0.01	-10.74		AVRG
sec-Butylbenzene	28.211000	50.000000	3.8491000	0.01	43.58		2RDR
1,2-Dichlorobenzene	1.8440000	1.7422000	1.7422000	0.01	-5.52		AVRG
1,2-Dibromo-3-Chloropropane	0.5360000	0.4757400	0.4757400	0.01	-11.24		AVRG
Hexachlorobutadiene	0.6550000	0.5863700	0.5863700	0.01	-10.48		AVRG
1,2,4-Trichlorobenzene	38.881000	50.000000	1.0563000	0.01	-22.24		2RDR
1,2,3-Trimethylbenzene	2.3180000	2.1672000	2.1672000	0.01	-6.50		AVRG
Naphthalene	47.770000	50.000000	2.5101000	0.01	-4.46		LINR
1,2,3-Trichlorobenzene	1.0780000	0.8578900	0.8578900	0.01	-20.42		AVRG
Dibromofluoromethane	0.7880000	0.7530200	0.7530200	0.01	-4.44		AVRG
1,2-Dichloroethane-D4	0.8340000	0.8225500	0.8225500	0.01	-1.37		AVRG
Toluene-D8	1.2580000	1.3044000	1.3044000	0.01	3.69		AVRG
P-Bromofluorobenzene	0.5040000	0.5659600	0.5659600	0.01	12.29		AVRG

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: MIDDLE RIVER
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 26-OCT-2005 18:43
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 100

Lab ID: WG22077-2
Client ID: WG22077-Blank
SDG: MID-5
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22077
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	10	1.0	10	10	2
74-87-3	Chloromethane	U	10	1.0	10	10	1.0
75-01-4	Vinyl chloride	U	10	1.0	10	10	2
74-83-9	Bromomethane	U	10	1.0	10	10	2
75-00-3	Chloroethane	U	10	1.0	10	10	1
75-69-4	Trichlorofluoromethane	U	10	1.0	10	10	2
75-65-0	Tertiary-butyl alcohol	U	10	1.0	10	10	7
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	1
75-15-0	Carbon Disulfide	U	5	1.0	5	5	2
76-13-1	Freon-113	U	5	1.0	5	5	2
637-92-3	Ethyl tertiary-butyl ether	U	5	1.0	5	5	0.3
75-09-2	Methylene Chloride	J	2	1.0	5	5	2
67-64-1	Acetone	U	25	1.0	25	25	4
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.9
1634-04-4	Methyl tert-butyl ether	U	10	1.0	10	10	0.7
108-20-3	Di-isopropyl ether	U	5	1.0	5	5	0.4
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	1
108-05-4	Vinyl Acetate	U	5	1.0	5	5	0.2
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.7
540-59-0	1,2-Dichloroethylene (total)	U	10	1.0	10	10	2
594-20-7	2,2-Dichloropropane	U	5	1.0	5	5	2
74-97-5	Bromochloromethane	U	5	1.0	5	5	1
67-66-3	Chloroform	U	5	1.0	5	5	0.8
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	1
563-58-6	1,1-Dichloropropene	U	5	1.0	5	5	1
78-93-3	2-Butanone	U	25	1.0	25	25	3
71-43-2	Benzene	U	5	1.0	5	5	0.8
994-05-8	Tertiary-amyl methyl ether	U	5	1.0	5	5	0.4
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.6
79-01-6	Trichloroethene	U	5	1.0	5	5	0.8
74-95-3	Dibromomethane	U	5	1.0	5	5	0.5
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.7
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.5
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.3
110-75-8	2-Chloroethylvinylether	U	5	1.0	5	5	1.0
108-88-3	Toluene	U	5	1.0	5	5	0.9
108-10-1	4-methyl-2-pentanone	U	25	1.0	25	25	4
127-18-4	Tetrachloroethene	U	5	1.0	5	5	1
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.6
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.5
142-28-9	1,3-Dichloropropane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.5

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: MIDDLE RIVER
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 26-OCT-2005 18:43
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 100

Lab ID: WG22077-2
Client ID: WG22077-Blank
SDG: MID-5
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22077
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	25	1.0	25	25	4
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.7
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.8
630-20-6	1,1,1,2-Tetrachloroethane	U	5	1.0	5	5	0.5
1330-20-7	Xylenes (total)	U	15	1.0	15	15	2
	m+p-Xylenes	U	10	1.0	10	10	1
95-47-6	o-Xylene	U	5	1.0	5	5	0.6
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.6
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.8
108-86-1	Bromobenzene	U	5	1.0	5	5	1
103-65-1	N-Propylbenzene	U	5	1.0	5	5	0.7
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	1
95-49-8	2-Chlorotoluene	U	5	1.0	5	5	0.7
96-18-4	1,2,3-Trichloropropane	U	5	1.0	5	5	0.8
106-43-4	4-Chlorotoluene	U	5	1.0	5	5	0.5
98-06-6	tert-Butylbenzene	U	5	1.0	5	5	0.7
95-63-6	1,2,4-Trimethylbenzene	U	5	1.0	5	5	0.6
99-87-6	P-Isopropyltoluene	U	5	1.0	5	5	0.7
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.3
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.3
104-51-8	N-Butylbenzene	U	5	1.0	5	5	0.7
135-98-8	sec-Butylbenzene	U	5	1.0	5	5	1.0
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.3
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.8
87-68-3	Hexachlorobutadiene	U	5	1.0	5	5	0.8
120-82-1	1,2,4-Trichlorobenzene	J	3	1.0	5	5	0.9
526-73-8	1,2,3-Trimethylbenzene	U	5	1.0	5	5	0.3
91-20-3	Naphthalene	U	5	1.0	5	5	2
87-61-6	1,2,3-Trichlorobenzene	U	5	1.0	5	5	1
1868-53-7	Dibromofluoromethane		87%				
17060-07-0	1,2-Dichloroethane-D4		93%				
2037-26-5	Toluene-D8		77%				
460-00-4	P-Bromofluorobenzene		72%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

WG22077-Blank

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Matrix: (soil/water) SOIL Lab Sample ID: WG22077-2

Sample wt/vol: 5.000(g/mL) G Lab File ID: M9821

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/26/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	14.90	5	J
2.					
3.					
4.					
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FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: MIDDLE RIVER
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 10/26/05
Report Date: 11/01/2005
Matrix: SOIL

Lab ID: WG22077-1
Client ID: WG22077-LCS
SDG: MID-5
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22077
Units: ug/Kg

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
Dichlorodifluoromethane	50	NA	42	85	13-217
Chloromethane	50	NA	45	89	36-165
Vinyl chloride	50	NA	43	87	47-159
Bromomethane	50	NA	41	82	43-181
Chloroethane	50	NA	45	90	54-157
Trichlorofluoromethane	50	NA	44	88	62-138
Tertiary-butyl alcohol	250	NA	315	126	74-127
1,1-Dichloroethene	50	NA	43	86	68-141
Carbon Disulfide	50	NA	46	92	45-141
Freon-113	50	NA	51	102	62-142
Ethyl tertiary-butyl ether	50	NA	47	95	75-125
Methylene Chloride	50	NA	48	97	34-171
Acetone	50	NA	75	150	44-226
trans-1,2-Dichloroethene	50	NA	46	93	72-133
Methyl tert-butyl ether	100	NA	105	105	11-259
Di-isopropyl ether	50	NA	46	92	74-126
1,1-Dichloroethane	50	NA	47	93	75-130
Vinyl Acetate	50	NA	45	89	59-162
cis-1,2-Dichloroethene	50	NA	46	91	67-129
1,2-Dichloroethylene (total)	100	NA	92	92	70-130
2,2-Dichloropropane	50	NA	47	94	70-138
Bromochloromethane	50	NA	47	93	73-122
Chloroform	50	NA	46	93	73-127
Carbon Tetrachloride	50	NA	52	103	75-130
1,1,1-Trichloroethane	50	NA	48	97	71-129
1,1-Dichloropropene	50	NA	49	98	84-121
2-Butanone	50	NA	66	131	22-267
Benzene	50	NA	47	94	76-123
Tertiary-amyl methyl ether	50	NA	50	99	73-126
1,2-Dichloroethane	50	NA	51	103	80-123
Trichloroethene	50	NA	52	103	75-136
Dibromomethane	50	NA	47	93	83-121
1,2-Dichloropropane	50	NA	50	101	77-123
Bromodichloromethane	50	NA	50	101	78-107
cis-1,3-dichloropropene	50	NA	55	110	76-125
2-Chloroethylvinylether	50	NA	48	95	0-159
Toluene	50	NA	49	97	76-121
4-methyl-2-pentanone	50	NA	53	107	69-148
Tetrachloroethene	50	NA	54	107	87-114
trans-1,3-Dichloropropene	50	NA	57	115	80-136
Dibromochloromethane	50	NA	50	100	87-114
1,3-Dichloropropane	50	NA	47	94	86-113
1,2-Dibromoethane	50	NA	51	102	81-120
2-Hexanone	50	NA	55	110	67-157
Chlorobenzene	50	NA	54	107	90-111

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: MIDDLE RIVER
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 10/26/05
Report Date: 11/01/2005
Matrix: SOIL

Lab ID: WG22077-1
Client ID: WG22077-LCS
SDG: MID-5
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22077
Units: ug/Kg

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.		%REC.	QC. LIMITS
Ethylbenzene	50	NA	54		107	89-111
1,1,1,2-Tetrachloroethane	50	NA	49		98	89-110
Xylenes (total)	150	NA	166		111	91-113
m+p-Xylenes	100	NA	106		106	91-113
o-Xylene	50	NA	60	*	119	91-112
Styrene	50	NA	57	*	115	85-114
Bromoform	50	NA	54		108	92-113
Isopropylbenzene	50	NA	54		109	89-132
Bromobenzene	50	NA	53		105	87-109
N-Propylbenzene	50	NA	53		107	86-119
1,1,2,2-Tetrachloroethane	50	NA	59		118	77-119
2-Chlorotoluene	50	NA	50		101	78-120
1,2,3-Trichloropropane	50	NA	49		97	83-115
4-Chlorotoluene	50	NA	61	*	121	84-118
tert-Butylbenzene	50	NA	42		83	76-128
1,2,4-Trimethylbenzene	50	NA	55		110	83-118
P-Isopropyltoluene	50	NA	50		100	91-120
1,3-Dichlorobenzene	50	NA	52		103	90-113
1,4-Dichlorobenzene	50	NA	52		104	89-112
N-Butylbenzene	50	NA	56		113	80-122
sec-Butylbenzene	50	NA	36	*	71	86-118
1,2-Dichlorobenzene	50	NA	53		107	90-110
1,2-Dibromo-3-Chloropropane	50	NA	53		106	66-137
Hexachlorobutadiene	50	NA	52		104	80-117
1,2,4-Trichlorobenzene	50	NA	46		93	75-128
1,2,3-Trimethylbenzene	50	NA	47		94	80-126
Naphthalene	50	NA	52		105	72-117
1,2,3-Trichlorobenzene	50	NA	52		103	72-126

FORM III VOA-2
M9819.D

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Lab File ID: FB253 BFB Injection Date: 10/31/05

Instrument ID: GCMS-F BFB Injection Time: 1222

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	19.4
75	30.0 - 60.0% of mass 95	47.3
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	87.3
175	5.0 - 9.0% of mass 174	5.2 (6.0)1
176	95.0 - 101.0% of mass 174	85.3 (97.8)1
177	5.0 - 9.0% of mass 176	6.0 (7.0)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		VSTD050F31A	F9370	10/31/05	1245
02		VSTD020F31A	F9371	10/31/05	1319
03		VSTD100F31A	F9375	10/31/05	1534
04		VSTD200F31B	F9376	10/31/05	1608
05		VSTD005F31B	F9380	10/31/05	1823
06		VSTD001F31D	F9385	10/31/05	2112
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FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project MIDDLE RIVER SDG No.: MID-5

Instrument ID: GCMS-F Calibration Date(s): 10/31/05 10/31/05

Column: RTX-VMS ID: 0.18 (mm) Calibration Time(s): 1245 2112

LAB FILE ID: RF1: F9385 RF5: F9380 RF20: F9371
RF50: F9370 RF100: F9375 RF200: F9376

								COEFFICENTS		%RSD	MAX %RSD
COMPOUND	RF1	RF5	RF20	RF50	RF100	RF200	CURVE	A0	A1	OR R^2	OR R^2
Dichlorodifluoromethane	0.414	0.371	0.502	0.504	0.427	0.423	AVRG		0.44018779	11.949	15.000
Chloromethane	0.479	0.454	0.501	0.479	0.499	0.505	AVRG		0.48617398	4.025	15.000
Vinyl chloride	0.445	0.466	0.468	0.445	0.423	0.410	AVRG		0.44275590	5.174	15.000
Bromomethane	0.325	0.294	0.347	0.377	0.378	0.359	AVRG		0.34696949	9.380	15.000
Chloroethane	0.296	0.242	0.260	0.271	0.271	0.268	AVRG		0.26805225	6.615	15.000
Trichlorofluoromethane	0.886	0.763	0.962	0.950	0.834	0.780	AVRG		0.86271526	9.782	15.000
Tertiary-butyl alcohol	725	11554	29587	75086	192060	409330	LINR	0.24030260	38.1078009	0.99785	0.99000
1,1-Dichloroethene	0.446	0.438	0.415	0.398	0.411	0.410	AVRG		0.41948206	4.369	15.000
Carbon Disulfide	1.405	1.378	1.336	1.266	1.312	1.284	AVRG		1.33005450	4.045	15.000
Freon-113	0.390	0.423	0.399	0.411	0.406	0.399	AVRG		0.40461241	2.856	15.000
Ethyl tertiary-butyl ethe	1.267	1.411	1.576	1.531	1.630	1.588	AVRG		1.50041556	9.123	15.000
Methylene Chloride	20485	56035	152550	341220	724550	1504800	LINR	-3.11e-002	2.09977504	0.99987	0.99000
Acetone	0.021	0.027	0.023	0.022	0.025	0.028	AVRG		2.412e-002	12.224	15.000
trans-1,2-Dichloroethene	0.444	0.470	0.488	0.474	0.480	0.468	AVRG		0.47080834	3.218	15.000
Methyl tert-butyl ether	0.898	1.189	1.214	1.206	1.266	1.239	AVRG		1.16874975	11.569	15.000
Di-isopropyl ether	21351	27446	464850	1094200	2519400	5241300	LINR	3.028e-002	0.59314004	0.99943	0.99000
1,1-Dichloroethane	0.781	0.784	0.846	0.832	0.837	0.803	AVRG		0.81381856	3.441	15.000
Vinyl Acetate	0.624	0.724	0.863	0.896	0.881	0.904	AVRG		0.81521127	14.104	15.000
cis-1,2-Dichloroethene	0.603	0.481	0.516	0.510	0.522	0.506	AVRG		0.52308444	7.991	15.000
1,2-Dichloroethylene (tot	1.047						AVRG		1.04704985	0.000	15.000
2,2-Dichloropropane	0.694	0.692	0.848	0.870	0.783	0.719	AVRG		0.76753169	10.221	15.000
Bromochloromethane	0.182	0.253	0.252	0.248	0.244	0.234	AVRG		0.23540277	11.441	15.000
Chloroform	0.912	0.886	1.015	0.972	0.953	0.906	AVRG		0.94073847	5.135	15.000
Carbon Tetrachloride	0.534	0.486	0.614	0.610	0.539	0.515	AVRG		0.54963377	9.406	15.000
1,1,1-Trichloroethane	0.845	0.784	0.934	0.906	0.854	0.808	AVRG		0.85550818	6.668	15.000
1,1-Dichloropropene	0.474	0.486	0.525	0.532	0.491	0.488	AVRG		0.49924606	4.727	15.000
2-Butanone	1559	13851	50451	113200	279200	613680	LINR	0.23566300	25.5535411	0.99811	0.99000
Benzene	1.212	1.249	1.249	1.236	1.176	1.156	AVRG		1.21288820	3.260	15.000
Tertiary-amyl methyl ethe	1.033	1.150	1.214	1.185	1.271	1.249	AVRG		1.18372905	7.247	15.000
1,2-Dichloroethane	0.692	0.560	0.636	0.650	0.580	0.576	AVRG		0.61578904	8.411	15.000
Trichloroethene	0.432	0.415	0.399	0.415	0.393	0.383	AVRG		0.40621663	4.410	15.000
Dibromomethane	0.223	0.232	0.257	0.256	0.236	0.245	AVRG		0.24146391	5.752	15.000
1,2-Dichloropropane	0.279	0.285	0.308	0.304	0.290	0.296	AVRG		0.29390016	3.852	15.000
Bromodichloromethane	0.520	0.502	0.591	0.625	0.566	0.548	AVRG		0.55867692	8.150	15.000
cis-1,3-dichloropropene	0.522	0.530	0.593	0.618	0.582	0.573	AVRG		0.56970337	6.541	15.000
2-Chloroethylvinylether	674	5883	29330	71596	192640	442540	LINR	9.434e-002	9.29052368	0.99480	0.99000
Toluene	0.767	0.795	0.837	0.844	0.794	0.797	AVRG		0.80565228	3.597	15.000
4-methyl-2-pentanone	0.205	0.252	0.259	0.256	0.264	0.271	AVRG		0.25118217	9.278	15.000
Tetrachloroethene	0.394	0.421	0.419	0.409	0.410	0.393	AVRG		0.40759359	2.926	15.000
trans-1,3-Dichloropropene	0.457	0.466	0.532	0.554	0.512	0.526	AVRG		0.50790136	7.588	15.000
Dibromochloromethane	0.420	0.445	0.522	0.512	0.529	0.525	AVRG		0.49240330	9.576	15.000
1,3-Dichloropropane	0.522	0.565	0.602	0.591	0.590	0.606	AVRG		0.57948554	5.470	15.000
1,2-Dibromoethane	0.280	0.316	0.345	0.347	0.340	0.351	AVRG		0.32988135	8.279	15.000
2-Hexanone	11661	97241	321680	797730	1876100	4084400	LINR	0.22590450	4.20651980	0.99865	0.99000

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project MIDDLE RIVER SDG No.: MID-5

Instrument ID: GCMS-F Calibration Date(s): 10/31/05 10/31/05

Column: RTX-VMS ID: 0.18 (mm) Calibration Time(s): 1245 2112

LAB FILE ID: RF1: F9385 RF5: F9380 RF20: F9371
RF50: F9370 RF100: F9375 RF200: F9376

								COEFFICENTS		%RSD	MAX %RSD	
COMPOUND	RF1	RF5	RF20	RF50	RF100	RF200	CURVE	A0	A1	OR R^2	OR R^2	
Chlorobenzene	1.058	1.070	1.163	1.118	1.120	1.085	AVRG		1.10241197	3.513	15.000	
Ethylbenzene	1.750	1.715	1.988	1.944	1.894	1.808	AVRG		1.84980229	5.925	15.000	
1,1,1,2-Tetrachloroethane	0.426	0.414	0.451	0.471	0.462	0.445	AVRG		0.44507303	4.872	15.000	
Xylenes (total)	0.326						AVRG		0.32550447	0.000	15.000	
m+p-Xylenes	0.548	0.595	0.638	0.630	0.647	0.624	AVRG		0.61383973	5.977	15.000	
o-Xylene	0.531	0.564	0.603	0.594	0.624	0.602	AVRG		0.58639412	5.697	15.000	
Styrene	0.728	0.983	1.058	1.083	1.156	1.117	AVRG		1.02106911	15.162	15.000	<-
Bromoform	3922	25100	109750	265740	590110	1248300	LINR	2.359e-002	2.74935343	0.99978	0.99000	
Isopropylbenzene	2.893	3.436	3.785	3.535	3.315	3.251	AVRG		3.36893479	8.888	15.000	
Bromobenzene	1.208	1.224	1.292	1.207	1.149	1.172	AVRG		1.20854077	4.078	15.000	
N-Propylbenzene	3.632	4.152	4.243	3.995	3.863	3.626	AVRG		3.91851990	6.624	15.000	
1,1,2,2-Tetrachloroethane	0.796	0.832	0.820	0.767	0.782	0.846	AVRG		0.80715082	3.779	15.000	
2-Chlorotoluene	2.535	3.047	3.123	2.969	2.833	2.680	AVRG		2.86457964	7.880	15.000	
1,2,3-Trichloropropane	0.653	0.806	0.658	0.751	0.688	0.723	AVRG		0.71325199	8.276	15.000	
4-Chlorotoluene	2.436	2.723	2.806	2.722	2.576	2.484	AVRG		2.62475572	5.645	15.000	
tert-Butylbenzene	2.468	2.855	2.948	2.821	2.722	2.638	AVRG		2.74213911	6.265	15.000	
1,2,4-Trimethylbenzene	1.679	1.960	2.023	1.902	1.877	1.773	AVRG		1.86891018	6.717	15.000	
P-Isopropyltoluene	1.625	2.265	2.125	2.099	2.052	1.936	AVRG		2.01721679	10.902	15.000	
1,3-Dichlorobenzene	1.666	1.985	1.789	1.640	1.670	1.591	AVRG		1.72365794	8.337	15.000	
1,4-Dichlorobenzene	1.739	1.960	1.730	1.624	1.610	1.541	AVRG		1.70053159	8.691	15.000	
N-Butylbenzene	1.362	1.868	1.670	1.661	1.622	1.500	AVRG		1.61399865	10.600	15.000	
sec-Butylbenzene	2.943	3.353	3.309	3.138	2.973	2.808	AVRG		3.08742068	7.005	15.000	
1,2-Dichlorobenzene	1.556	1.867	1.554	1.494	1.495	1.440	AVRG		1.56750846	9.759	15.000	
1,2-Dibromo-3-Chloropropa	0.118	0.143	0.128	0.114	0.133	0.131	AVRG		0.12792738	8.379	15.000	
Hexachlorobutadiene	3260	25571	58072	141560	308440	529660	LINR	-8.99e-002	2.90753068	0.99285	0.99000	
1,2,4-Trichlorobenzene	2466	27434	58360	149340	381480	687400	LINR	-2.09e-002	2.24215771	0.99658	0.99000	
1,2,3-Trimethylbenzene	1.837	2.060	1.984	1.902	1.943	1.749	AVRG		1.91234755	5.744	15.000	
Naphthalene	3283	28918	53198	153280	446980	852010	LINR	3.814e-002	1.80860880	0.99583	0.99000	
1,2,3-Trichlorobenzene	2252	24559	37989	95023	272220	472230	LINR	-1.91e-002	3.23842722	0.99223	0.99000	
Dibromofluoromethane	0.580	0.573	0.702	0.581	0.591	0.580	AVRG		0.60107801	8.243	15.000	
1,2-Dichloroethane-D4	0.680	0.626	0.783	0.644	0.653	0.631	AVRG		0.66964062	8.762	15.000	
Toluene-D8	1.159	1.101	1.430	1.165	1.177	1.178	AVRG		1.20174888	9.613	15.000	
P-Bromofluorobenzene	0.444	0.482	0.614	0.523	0.509	0.504	AVRG		0.51287108	11.056	15.000	

FORM VI VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project MIDDLE RIVER SDG No.: MID-5

Instrument ID: GCMS-F Calibration Date(s): 10/31/05 10/31/05

Column: RTX-VMS ID: 0.18 (mm) Calibration Time(s): 1245 2112

Average %RSD test result.
Calculate Average %RSD: 12.01758194
Maximum Average %RSD: 15.00000000
Note: Passes Average %RSD Test.

FORM 2
SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Level:(low/med) MED

	CLIENT SAMPLE ID	LAB SAMPLE ID	SMC1 DBF#	SMC2 DCA#	SMC3 TOL#	SMC4 BFB#	TOT OUT
01	SD-13-01	WV5583-2DL	94	101	88	105	0
02	SD-13-02	WV5583-3DL	94	98	84	107	0
03							
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	QC LIMITS
SMC1 (DBF) = Dibromofluoromethane	(57-122)
SMC2 (DCA) = 1,2-Dichloroethane-D4	(53-127)
SMC3 (TOL) = Toluene-D8	(62-117)
SMC4 (BFB) = P-Bromofluorobenzene	(36-119)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Lab File ID: FB256 BFB Injection Date: 11/02/05

Instrument ID: GCMS-F BFB Injection Time: 2203

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	22.7
75	30.0 - 60.0% of mass 95	51.2
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.9
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	80.7
175	5.0 - 9.0% of mass 174	7.2 (9.0)1
176	95.0 - 101.0% of mass 174	77.8 (96.3)1
177	5.0 - 9.0% of mass 176	5.8 (7.5)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		VSTD050F02B	F9427	11/02/05	2214
02	WG22364-LCS	WG22364-1	F9428A	11/02/05	2301
03	WG22364-BLANK	WG22364-2	F9430A	11/03/05	0018
04	SD-13-01	WV5583-2DL	F9442	11/03/05	0705
05	SD-13-02	WV5583-3DL	F9443	11/03/05	0738
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FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Instrument ID: GCMS-F Calibration Date: 11/02/05 Time: 2214

Lab File ID: F9427 Init. Calib. Date(s): 10/31/05 10/31/05

Init. Calib. Times: 1245 2112

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
Dichlorodifluoromethane	0.4400000	0.5037100	0.5037100	0.01	14.48		AVRG
Chloromethane	0.4860000	0.4598200	0.4598200	0.1	-5.39		AVRG
Vinyl chloride	0.4430000	0.4476800	0.4476800	0.01	1.06	20.00	AVRG
Bromomethane	0.3470000	0.3447400	0.3447400	0.01	-0.65		AVRG
Chloroethane	0.2680000	0.2898800	0.2898800	0.01	8.16		AVRG
Trichlorofluoromethane	0.8620000	0.9959200	0.9959200	0.01	15.54		AVRG
Tertiary-butyl alcohol	323.89000	250.00000	3.27e-002	0.01	29.56		LINR
1,1-Dichloroethene	0.4200000	0.4006200	0.4006200	0.1	-4.61	20.00	AVRG
Carbon Disulfide	1.3300000	1.3252000	1.3252000	0.01	-0.36		AVRG
Freon-113	0.4050000	0.3885900	0.3885900	0.01	-4.05		AVRG
Ethyl tertiary-butyl ether	1.5000000	1.7006000	1.7006000	0.01	13.37		AVRG
Methylene Chloride	53.334000	50.000000	0.5227900	0.01	6.67		LINR
Acetone	2.4e-002	2.66e-002	2.66e-002	0.01	10.83		AVRG
trans-1,2-Dichloroethene	0.4710000	0.4713400	0.4713400	0.01	0.07		AVRG
Methyl tert-butyl ether	1.1690000	1.3679000	1.3679000	0.01	17.01		AVRG
Di-isopropyl ether	52.876000	50.000000	1.7319000	0.01	5.75		LINR
1,1-Dichloroethane	0.8140000	0.8786800	0.8786800	0.3	7.94		AVRG
Vinyl Acetate	0.8150000	0.8985500	0.8985500	0.01	10.25		AVRG
cis-1,2-Dichloroethene	0.5230000	0.5115500	0.5115500	0.01	-2.19		AVRG
1,2-Dichloroethylene (total)	1.0470000	0.9828900	0.9828900	0.01	-6.12		AVRG
2,2-Dichloropropane	0.7680000	0.8859900	0.8859900	0.01	15.36		AVRG
Bromochloromethane	0.2360000	0.2430700	0.2430700	0.01	3.00		AVRG
Chloroform	0.9410000	1.0452000	1.0452000	0.01	11.07	20.00	AVRG
Carbon Tetrachloride	0.5500000	0.6099200	0.6099200	0.01	10.89		AVRG
1,1,1-Trichloroethane	0.8550000	0.9868900	0.9868900	0.01	15.43		AVRG
1,1-Dichloropropene	0.4990000	0.5281800	0.5281800	0.01	5.85		AVRG
2-Butanone	282.64000	250.00000	4.24e-002	0.01	13.06		LINR
Benzene	1.2130000	1.2036000	1.2036000	0.01	-0.77		AVRG
Tertiary-amyl methyl ether	1.1840000	1.3624000	1.3624000	0.01	15.07		AVRG

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Instrument ID: GCMS-F Calibration Date: 11/02/05 Time: 2214

Lab File ID: F9427 Init. Calib. Date(s): 10/31/05 10/31/05

Init. Calib. Times: 1245 2112

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
1,2-Dichloroethane	0.6160000	0.6901200	0.6901200	0.01	12.03		AVRG
Trichloroethene	0.4060000	0.5194800	0.5194800	0.01	27.95		AVRG
Dibromomethane	0.2420000	0.2657300	0.2657300	0.01	9.80		AVRG
1,2-Dichloropropane	0.2940000	0.3069000	0.3069000	0.01	4.39	20.00	AVRG
Bromodichloromethane	0.5590000	0.6480600	0.6480600	0.01	15.93		AVRG
cis-1,3-dichloropropene	0.5700000	0.6298200	0.6298200	0.01	10.50		AVRG
2-Chloroethylvinylether	58.680000	50.000000	0.1161700	0.01	17.36		LINR
Toluene	0.8060000	0.8324200	0.8324200	0.01	3.28	20.00	AVRG
4-methyl-2-pentanone	0.2510000	0.3345600	0.3345600	0.01	33.29		AVRG
Tetrachloroethene	0.4080000	0.4808400	0.4808400	0.01	17.85		AVRG
trans-1,3-Dichloropropene	0.5080000	0.5972600	0.5972600	0.01	17.57		AVRG
Dibromochloromethane	0.4920000	0.5503100	0.5503100	0.01	11.85		AVRG
1,3-Dichloropropane	0.5790000	0.6480600	0.6480600	0.01	11.93		AVRG
1,2-Dibromoethane	0.3300000	0.3783200	0.3783200	0.01	14.64		AVRG
2-Hexanone	298.90000	250.00000	0.2734800	0.01	19.56		LINR
Chlorobenzene	1.1020000	1.1435000	1.1435000	0.3	3.76		AVRG
Ethylbenzene	1.8500000	2.0244000	2.0244000	0.01	9.43	20.00	AVRG
1,1,1,2-Tetrachloroethane	0.4450000	0.4882800	0.4882800	0.01	9.72		AVRG
Xylenes (total)	0.3260000	0.5752500	0.5752500	0.01	76.46		AVRG
m+p-Xylenes	0.6140000	0.5879600	0.5879600	0.01	-4.24		AVRG
o-Xylene	0.5860000	0.5498400	0.5498400	0.01	-6.17		AVRG
Styrene	1.0210000	1.0514000	1.0514000	0.01	2.98		AVRG
Bromoform	55.578000	50.000000	0.3957200	0.1	11.16		LINR
Isopropylbenzene	3.3690000	3.7054000	3.7054000	0.01	9.98		AVRG
Bromobenzene	1.2090000	1.3594000	1.3594000	0.01	12.44		AVRG
N-Propylbenzene	3.9180000	3.9749000	3.9749000	0.01	1.45		AVRG
1,1,2,2-Tetrachloroethane	0.8070000	1.0597000	1.0597000	0.3	31.31		AVRG
2-Chlorotoluene	2.8640000	2.9870000	2.9870000	0.01	4.29		AVRG
1,2,3-Trichloropropane	0.7130000	0.9798300	0.9798300	0.01	37.42		AVRG

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Instrument ID: GCMS-F Calibration Date: 11/02/05 Time: 2214

Lab File ID: F9427 Init. Calib. Date(s): 10/31/05 10/31/05

Init. Calib. Times: 1245 2112

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
4-Chlorotoluene	2.6240000	2.5985000	2.5985000	0.01	-0.97		AVRG
tert-Butylbenzene	2.7420000	2.6237000	2.6237000	0.01	-4.31		AVRG
1,2,4-Trimethylbenzene	1.8690000	1.7452000	1.7452000	0.01	-6.62		AVRG
P-Isopropyltoluene	2.0170000	1.8555000	1.8555000	0.01	-8.01		AVRG
1,3-Dichlorobenzene	1.7240000	1.6025000	1.6025000	0.01	-7.05		AVRG
1,4-Dichlorobenzene	1.7010000	1.5138000	1.5138000	0.01	-11.00		AVRG
N-Butylbenzene	1.6140000	1.4617000	1.4617000	0.01	-9.44		AVRG
sec-Butylbenzene	3.0870000	2.9571000	2.9571000	0.01	-4.21		AVRG
1,2-Dichlorobenzene	1.5680000	1.4437000	1.4437000	0.01	-7.93		AVRG
1,2-Dibromo-3-Chloropropane	0.1280000	0.1604100	0.1604100	0.01	25.32		AVRG
Hexachlorobutadiene	50.323000	50.000000	0.3770600	0.01	0.65		LINR
1,2,4-Trichlorobenzene	41.764000	50.000000	0.3818500	0.01	-16.47		LINR
1,2,3-Trimethylbenzene	1.9120000	1.6186000	1.6186000	0.01	-15.34		AVRG
Naphthalene	40.170000	50.000000	0.4231200	0.01	-19.66		LINR
1,2,3-Trichlorobenzene	39.933000	50.000000	0.2525300	0.01	-20.13		LINR
Dibromofluoromethane	0.6010000	0.6289600	0.6289600	0.01	4.65		AVRG
1,2-Dichloroethane-D4	0.6700000	0.8061900	0.8061900	0.01	20.33		AVRG
Toluene-D8	1.2020000	1.2597000	1.2597000	0.01	4.80		AVRG
P-Bromofluorobenzene	0.5130000	0.5782900	0.5782900	0.01	12.73		AVRG

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: MIDDLE RIVER
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 03-NOV-2005 00:18
Report Date: 11/03/2005
Matrix: WATER
% Solids: NA

Lab ID: WG22364-2
Client ID: WG22364-Blank
SDG: MID-5
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG22364
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	2	1.0	2	2	0.5
74-87-3	Chloromethane	U	2	1.0	2	2	0.3
75-01-4	Vinyl chloride	U	2	1.0	2	2	0.3
74-83-9	Bromomethane	U	2	1.0	2	2	0.6
75-00-3	Chloroethane	U	2	1.0	2	2	0.3
75-69-4	Trichlorofluoromethane	U	2	1.0	2	2	0.3
75-65-0	Tertiary-butyl alcohol	U	5	1.0	5	5	0.4
75-35-4	1,1-Dichloroethene	U	1	1.0	1	1	0.4
75-15-0	Carbon Disulfide	U	1	1.0	1	1	0.3
76-13-1	Freon-113	U	1	1.0	1	1	0.2
637-92-3	Ethyl tertiary-butyl ether	U	1	1.0	1	1	0.08
75-09-2	Methylene Chloride	U	2	1.0	2	2	2
67-64-1	Acetone	U	5	1.0	5	5	2
156-60-5	trans-1,2-Dichloroethene	U	1	1.0	1	1	0.3
1634-04-4	Methyl tert-butyl ether	U	2	1.0	2	2	0.8
108-20-3	Di-isopropyl ether	U	1	1.0	1	1	0.2
75-34-3	1,1-Dichloroethane	U	1	1.0	1	1	0.4
108-05-4	Vinyl Acetate	U	1	1.0	1	1	0.3
156-59-2	cis-1,2-Dichloroethene	U	1	1.0	1	1	0.3
540-59-0	1,2-Dichloroethylene (total)	U	2	1.0	2	2	0.6
594-20-7	2,2-Dichloropropane	U	1	1.0	1	1	0.2
74-97-5	Bromochloromethane	U	1	1.0	1	1	0.2
67-66-3	Chloroform	U	1	1.0	1	1	0.4
56-23-5	Carbon Tetrachloride	U	1	1.0	1	1	0.3
71-55-6	1,1,1-Trichloroethane	U	1	1.0	1	1	0.2
563-58-6	1,1-Dichloropropene	U	1	1.0	1	1	0.2
78-93-3	2-Butanone	U	5	1.0	5	5	3
71-43-2	Benzene	U	1	1.0	1	1	0.3
994-05-8	Tertiary-amyl methyl ether	U	1	1.0	1	1	0.1
107-06-2	1,2-Dichloroethane	U	1	1.0	1	1	0.3
79-01-6	Trichloroethene		3	1.0	1	1	0.3
74-95-3	Dibromomethane	U	1	1.0	1	1	0.2
78-87-5	1,2-Dichloropropane	U	1	1.0	1	1	0.3
75-27-4	Bromodichloromethane	U	1	1.0	1	1	0.2
10061-01-5	cis-1,3-dichloropropene	U	1	1.0	1	1	0.3
110-75-8	2-Chloroethylvinylether	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	3
127-18-4	Tetrachloroethene	U	1	1.0	1	1	0.4
10061-02-6	trans-1,3-Dichloropropene	U	1	1.0	1	1	0.4
124-48-1	Dibromochloromethane	U	1	1.0	1	1	0.4
142-28-9	1,3-Dichloropropane	U	1	1.0	1	1	0.3
106-93-4	1,2-Dibromoethane	U	1	1.0	1	1	0.4

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: MIDDLE RIVER
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 03-NOV-2005 00:18
Report Date: 11/03/2005
Matrix: WATER
% Solids: NA

Lab ID: WG22364-2
Client ID: WG22364-Blank
SDG: MID-5
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG22364
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	1	1.0	1	1	0.2
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.2
630-20-6	1,1,1,2-Tetrachloroethane	U	1	1.0	1	1	0.2
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.8
	m+p-Xylenes	U	2	1.0	2	2	0.5
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
100-42-5	Styrene	U	1	1.0	1	1	0.6
75-25-2	Bromoform	U	1	1.0	1	1	0.5
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.3
108-86-1	Bromobenzene	U	1	1.0	1	1	0.2
103-65-1	N-Propylbenzene	U	1	1.0	1	1	0.3
79-34-5	1,1,2,2-Tetrachloroethane	U	1	1.0	1	1	0.5
95-49-8	2-Chlorotoluene	U	1	1.0	1	1	0.3
96-18-4	1,2,3-Trichloropropane	U	1	1.0	1	1	0.6
106-43-4	4-Chlorotoluene	U	1	1.0	1	1	0.3
98-06-6	tert-Butylbenzene	U	1	1.0	1	1	0.2
95-63-6	1,2,4-Trimethylbenzene	J	0.2	1.0	1	1	0.2
99-87-6	P-Isopropyltoluene	J	0.3	1.0	1	1	0.2
541-73-1	1,3-Dichlorobenzene	U	1	1.0	1	1	0.3
106-46-7	1,4-Dichlorobenzene	U	1	1.0	1	1	0.4
104-51-8	N-Butylbenzene	J	0.4	1.0	1	1	0.2
135-98-8	sec-Butylbenzene	U	1	1.0	1	1	0.3
95-50-1	1,2-Dichlorobenzene	J	0.3	1.0	1	1	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	1	1.0	1	1	0.3
87-68-3	Hexachlorobutadiene	U	1	1.0	1	1	0.4
120-82-1	1,2,4-Trichlorobenzene	U	1	1.0	1	1	0.3
526-73-8	1,2,3-Trimethylbenzene	J	0.2	1.0	1	1	0.2
91-20-3	Naphthalene		3	1.0	1	1	0.4
87-61-6	1,2,3-Trichlorobenzene	J	0.3	1.0	1	1	0.2
1868-53-7	Dibromofluoromethane		112%				
17060-07-0	1,2-Dichloroethane-D4		*124%				
2037-26-5	Toluene-D8		110%				
460-00-4	P-Bromofluorobenzene		107%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

WG22364-Blank

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Matrix: (soil/water) WATER Lab Sample ID: WG22364-2

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: F9430A

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 11/03/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: MIDDLE RIVER
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 11/02/05
Report Date: 11/03/2005
Matrix: WATER

Lab ID: WG22364-1
Client ID: WG22364-LCS
SDG: MID-5
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG22364
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
Dichlorodifluoromethane	50	NA	80	160	4-217
Chloromethane	50	NA	60	120	40-163
Vinyl chloride	50	NA	62	124	55-151
Bromomethane	50	NA	60	120	24-217
Chloroethane	50	NA	60	120	69-134
Trichlorofluoromethane	50	NA	61	123	71-147
Tertiary-butyl alcohol	250	NA	308	123	58-146
1,1-Dichloroethene	50	NA	52	105	78-136
Carbon Disulfide	50	NA	55	110	70-136
Freon-113	50	NA	47	94	60-140
Ethyl tertiary-butyl ether	50	NA	55	110	85-124
Methylene Chloride	50	NA	54	108	52-115
Acetone	50	NA	66	131	0-158
trans-1,2-Dichloroethene	50	NA	52	105	84-131
Methyl tert-butyl ether	100	NA	116	116	62-130
Di-isopropyl ether	50	NA	53	106	82-130
1,1-Dichloroethane	50	NA	56	111	81-134
Vinyl Acetate	50	NA	44	88	68-174
cis-1,2-Dichloroethene	50	NA	50	101	84-123
1,2-Dichloroethylene (total)	100	NA	103	103	84-131
2,2-Dichloropropane	50	NA	56	111	69-150
Bromochloromethane	50	NA	54	108	77-146
Chloroform	50	NA	58	115	80-130
Carbon Tetrachloride	50	NA	56	112	74-137
1,1,1-Trichloroethane	50	NA	57	114	76-138
1,1-Dichloropropene	50	NA	55	110	82-120
2-Butanone	50	NA	77	* 155	49-154
Benzene	50	NA	52	104	88-120
Tertiary-amyl methyl ether	50	NA	56	112	85-125
1,2-Dichloroethane	50	NA	56	113	78-138
Trichloroethene	50	NA	58	116	80-125
Dibromomethane	50	NA	54	108	88-130
1,2-Dichloropropane	50	NA	54	108	80-122
Bromodichloromethane	50	NA	54	108	83-133
cis-1,3-dichloropropene	50	NA	55	110	81-138
2-Chloroethylvinylether	50	NA	43	86	50-211
Toluene	50	NA	53	106	88-121
4-methyl-2-pentanone	50	NA	63	125	72-140
Tetrachloroethene	50	NA	48	96	77-129
trans-1,3-Dichloropropene	50	NA	60	121	81-149
Dibromochloromethane	50	NA	52	104	80-133
1,3-Dichloropropane	50	NA	54	108	86-125
1,2-Dibromoethane	50	NA	54	108	88-127
2-Hexanone	50	NA	67	135	45-146
Chlorobenzene	50	NA	52	104	84-123

FORM III VOA-1
F9428a.D

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: MIDDLE RIVER
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 11/02/05
Report Date: 11/03/2005
Matrix: WATER

Lab ID: WG22364-1
Client ID: WG22364-LCS
SDG: MID-5
Extracted by:
Extraction Method: SW846 5030
Analyst: JSS
Analysis Method: SW846 8260B
Lab Prep Batch: WG22364
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
Ethylbenzene	50	NA	56	111	84-134
1,1,1,2-Tetrachloroethane	50	NA	54	108	83-130
Xylenes (total)	150	NA	157	105	88-123
m+p-Xylenes	100	NA	104	104	88-122
o-Xylene	50	NA	52	105	90-123
Styrene	50	NA	54	109	87-131
Bromoform	50	NA	51	102	77-138
Isopropylbenzene	50	NA	58	117	88-125
Bromobenzene	50	NA	49	99	84-133
N-Propylbenzene	50	NA	52	105	88-124
1,1,2,2-Tetrachloroethane	50	NA	56	112	81-131
2-Chlorotoluene	50	NA	53	105	84-128
1,2,3-Trichloropropane	50	NA	47	94	76-132
4-Chlorotoluene	50	NA	53	106	86-132
tert-Butylbenzene	50	NA	50	101	82-131
1,2,4-Trimethylbenzene	50	NA	50	100	88-121
P-Isopropyltoluene	50	NA	52	104	86-122
1,3-Dichlorobenzene	50	NA	48	97	86-124
1,4-Dichlorobenzene	50	NA	47	95	80-127
N-Butylbenzene	50	NA	50	101	81-133
sec-Butylbenzene	50	NA	50	99	85-122
1,2-Dichlorobenzene	50	NA	47	95	86-126
1,2-Dibromo-3-Chloropropane	50	NA	61	123	61-136
Hexachlorobutadiene	50	NA	50	101	52-129
1,2,4-Trichlorobenzene	50	NA	48	95	53-157
1,2,3-Trimethylbenzene	50	NA	49	98	60-140
Naphthalene	50	NA	50	99	45-151
1,2,3-Trichlorobenzene	50	NA	51	102	30-164

TETRA TECH NUS, INC. **CALCULATION WORKSHEET** PAGE _____ OF _____

CLIENT Lockheed Middle River		JOB NUMBER Job-00275 SDG-MID-5	
SUBJECT Sample Calculation			
BASED ON		DRAWING NUMBER	
BY Bernard F Spada III	CHECKED BY	APPROVED BY 11-18-05 JDD	DATE 11/15/05

Sample SO-13-02

sec-butylbenzene = 180 ug/kg

$$\text{sec-butylbenzene} = \frac{(721973)(50\ ug/kg)}{(148554)(3.278)(0.412)} = 180\ ug/kg$$

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date:
Analysis Date: 25-OCT-2005 16:51
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 41.2

Lab ID: WV5583-3
Client ID: SD-13-02
SDG: MID-5
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22012
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	61	1.0	25	61	10
108-90-7	Chlorobenzene	U	12	1.0	5	12	2
100-41-4	Ethylbenzene	U	12	1.0	5	12	2
630-20-6	1,1,1,2-Tetrachloroethane	U	12	1.0	5	12	1
1330-20-7	Xylenes (total)	U	36	1.0	15	36	4
	m+p-Xylenes	U	24	1.0	10	24	3
95-47-6	o-Xylene	U	12	1.0	5	12	2
100-42-5	Styrene	U	12	1.0	5	12	0.8
75-25-2	Bromoform	U	12	1.0	5	12	1
98-82-8	Isopropylbenzene		38	1.0	5	12	2
108-86-1	Bromobenzene	U	12	1.0	5	12	2
103-65-1	N-Propylbenzene	U	12	1.0	5	12	2
79-34-5	1,1,2,2-Tetrachloroethane	U	12	1.0	5	12	3
95-49-8	2-Chlorotoluene	U	12	1.0	5	12	2
96-18-4	1,2,3-Trichloropropane	U	12	1.0	5	12	2
106-43-4	4-Chlorotoluene	U	12	1.0	5	12	1
98-06-6	tert-Butylbenzene	U	12	1.0	5	12	2
95-63-6	1,2,4-Trimethylbenzene	U	12	1.0	5	12	1
99-87-6	P-Isopropyltoluene	U	12	1.0	5	12	2
541-73-1	1,3-Dichlorobenzene	U	12	1.0	5	12	0.8
106-46-7	1,4-Dichlorobenzene	U	12	1.0	5	12	0.6
104-51-8	N-Butylbenzene	U	12	1.0	5	12	2
135-98-8	sec-Butylbenzene		180	1.0	5	12	2
95-50-1	1,2-Dichlorobenzene	U	12	1.0	5	12	0.7
96-12-8	1,2-Dibromo-3-Chloropropane	U	12	1.0	5	12	2
87-68-3	Hexachlorobutadiene	U	12	1.0	5	12	2
120-82-1	1,2,4-Trichlorobenzene	U	12	1.0	5	12	2
526-73-8	1,2,3-Trimethylbenzene	U	12	1.0	5	12	0.8
91-20-3	Naphthalene	U	12	1.0	5	12	4
87-61-6	1,2,3-Trichlorobenzene	U	12	1.0	5	12	3
1868-53-7	Dibromofluoromethane		104%				
17060-07-0	1,2-Dichloroethane-D4		101%				
2037-26-5	Toluene-D8		*119%				
460-00-4	P-Bromofluorobenzene		*1881%				

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-z.i\Z102505B.b\Z7997.D
Lab Smp Id: WV5583-3 Client Smp ID: SD-13-02
Inj Date : 25-OCT-2005 16:51 MS Autotune Date: 02-SEP-2005 12:32
Operator : ALH Inst ID: gcms-z.i
Smp Info : WV5583-3
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-z.i\Z102505B.b\Z826S07.m
Meth Date : 30-Oct-2005 09:56 sthompson Quant Type: ISTD
Cal Date : 25-OCT-2005 11:18 Cal File: Z7990.D
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRATMID002.sub
Target Version: 4.12
Processing Host: TARGET04

Concentration Formula: Amt * DF * (100/(100-M))*(Vt/Ws) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
M	58.803	% Moisture
Vt	5.000	Volume of DI Water (mL)
Ws	5.000	Weight of Sample (g)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	CONCENTRATIONS FINAL (ug/Kg)
14 Methylene Chloride	84	4.012	3.988	(0.473)	18683	3.25902	7.9(aM)
15 Acetone	58	4.070	4.034	(0.480)	10878	51.4315	125(M)
75 Isopropylbenzene	105	13.401	13.389	(0.931)	129102	15.6792	38.0
94 sec-Butylbenzene	105	14.202	14.166	(0.987)	721973	74.1196	180
$ 37 Dibromofluoromethane	113	7.320	7.296	(0.863)	249986	51.9778	126
$ 45 1,2-Dichloroethane-D4	65	8.457	8.445	(0.997)	297911	50.6683	123
$ 55 Toluene-D8	98	10.836	10.824	(1.162)	751705	59.5243	144(R)
$ 76 P-Bromofluorobenzene	95	13.680	13.598	(1.467)	5111047	940.582	2280(AR)
* 42 Pentafluorobenzene	168	8.480	8.478	(1.000)	409830	50.0000	
* 49 1,4-Difluorobenzene	114	9.327	9.315	(1.000)	543076	50.0000	
* 66 Chlorobenzene-D5	117	12.554	12.542	(1.000)	325582	50.0000	
* 91 1,4-Dichlorobenzene-D4	152	14.388	14.364	(1.000)	148554	50.0000	

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount exceeded maximum amount.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project MIDDLE RIVER SDG No.: MID-5

Instrument ID: GCMS-Z Calibration Date(s): 10/25/05 10/25/05

Column: RTX-VMS ID: 0.18 (mm) Calibration Time(s): 0800 1118

LAB FILE ID: RF5: Z7988 RF10: Z7987 RF20: Z7986
RF50: Z7985 RF100: Z7990 RF200: Z7989

COMPOUND	RF5	RF10	RF20	RF50	RF100	RF200	CURVE	COEFFICENTS A0	COEFFICENTS A1	%RSD OR R^2	MAX %RSD OR R^2
Chlorobenzene	1.043	1.044	1.184	1.062	1.172	1.128	AVRG		1.10553500	5.816	15.000
Ethylbenzene	1.777	1.699	2.061	1.796	1.980	1.912	AVRG		1.87048292	7.315	15.000
1,1,1,2-Tetrachloroethane	0.488	0.477	0.548	0.492	0.540	0.530	AVRG		0.51280315	5.927	15.000
Xylenes (total)							AVRG				0.000
m+p-Xylenes	0.610	0.614	0.757	0.642	0.694	0.687	AVRG		0.66727656	8.480	15.000
o-Xylene	0.600	0.589	0.711	0.611	0.692	0.673	AVRG		0.64579421	8.101	15.000
Styrene	1.026	0.997	1.177	1.064	1.159	1.156	AVRG		1.09633390	7.049	15.000
Bromoform	0.395	0.398	0.466	0.418	0.447	0.458	AVRG		0.43012837	7.197	15.000
Isopropylbenzene	2.595	2.467	3.254	2.642	2.952	2.719	AVRG		2.77137120	10.321	15.000
Bromobenzene	1.007	0.985	1.120	0.967	1.082	0.988	AVRG		1.02493502	6.004	15.000
N-Propylbenzene	3.316	3.354	4.145	3.419	3.825	3.442	AVRG		3.58348836	9.210	15.000
1,1,2,2-Tetrachloroethane	0.565	0.578	0.697	0.593	0.723	0.681	AVRG		0.63930573	10.712	15.000
2-Chlorotoluene	2.439	2.466	2.930	2.458	2.760	2.475	AVRG		2.58794501	7.977	15.000
1,2,3-Trichloropropane	0.767	0.801	0.954	0.742	0.893	0.872	AVRG		0.83816405	9.708	15.000
4-Chlorotoluene	2.353	2.205	2.556	2.260	2.475	2.243	AVRG		2.34871709	5.977	15.000
tert-Butylbenzene	2.957	2.633	3.583	2.742	3.290	3.096	AVRG		3.04997766	11.552	15.000
1,2,4-Trimethylbenzene	2.669	2.422	3.077	2.578	2.864	2.683	AVRG		2.71563391	8.415	15.000
P-Isopropyltoluene	2.655	2.536	3.267	2.740	2.978	2.761	AVRG		2.82265823	9.275	15.000
1,3-Dichlorobenzene	1.650	1.584	1.902	1.697	1.808	1.684	AVRG		1.72097116	6.669	15.000
1,4-Dichlorobenzene	1.582	1.579	1.901	1.632	1.728	1.615	AVRG		1.67290737	7.432	15.000
N-Butylbenzene	2.313	2.315	2.912	2.492	2.802	2.536	AVRG		2.56174351	9.698	15.000
sec-Butylbenzene	3.062	2.990	3.727	3.204	3.541	3.148	AVRG		3.27848782	8.872	15.000
1,2-Dichlorobenzene	1.440	1.461	1.804	1.531	1.710	1.569	AVRG		1.58574428	9.068	15.000
1,2-Dibromo-3-Chloropropa	0.364	0.347	0.407	0.354	0.394	0.384	AVRG		0.37519222	6.281	15.000
Hexachlorobutadiene	0.720	0.676	0.912	0.756	0.807	0.722	AVRG		0.76532543	10.991	15.000
1,2,4-Trichlorobenzene	1.186	1.110	1.353	1.177	1.257	1.182	AVRG		1.21082242	6.914	15.000
1,2,3-Trimethylbenzene	1.613	1.546	1.810	1.597	1.698	1.646	AVRG		1.65181036	5.616	15.000
Naphthalene	1.747	1.720	1.754	1.278	1.815	1.806	AVRG		1.68675436	12.052	15.000
1,2,3-Trichlorobenzene	1.020	0.966	1.140	0.954	1.058	1.066	AVRG		1.03391893	6.702	15.000
Dibromofluoromethane	0.610	0.552	0.613	0.584	0.586	0.575	AVRG		0.58676463	3.883	15.000
1,2-Dichloroethane-D4	0.751	0.758	0.759	0.728	0.678	0.629	AVRG		0.71732555	7.393	15.000
Toluene-D8	1.163	1.068	1.227	1.152	1.223	1.144	AVRG		1.16268635	5.032	15.000
P-Bromofluorobenzene	0.497	0.478	0.554	0.497	0.506	0.470	AVRG		0.50029070	5.919	15.000

FORM VI VOA

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Lab File ID: XD562 DFTPP Injection Date: 10/22/05

Instrument ID: GCMS-X DFTPP Injection Time: 0931

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	44.9
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Less than 100.0% of mass 198	51.3
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	44.4
197	Less than 1.0% of mass 198	0.5
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	25.9
365	1.0 - 100.0% of mass 198	3.1
441	0.0 - 100.0% of mass 443	10.1 (89.8)2
442	40.0 - 100.0% of mass 198	61.7
443	17.0 - 23.0% of mass 442	11.2 (18.2)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		SSTD050X1022	X8900	10/22/05	1038
02		SSTD150X1022	X8901	10/22/05	1131
03		SSTD125X1022	X8902	10/22/05	1215
04		SSTD100X1022	X8903	10/22/05	1259
05		SSTD025X1022	X8904	10/22/05	1344
06		SSTD010X1022	X8905	10/22/05	1428
07					
08					
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16					
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19					
20					

FORM V SV

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project MIDDLE RIVER SDG No.: MID-5

Instrument ID: GCMS-X Calibration Date(s): 10/22/05 10/22/05

Column: DB5-MS ID: 0.25 (mm) Calibration Time(s): 1038 1428

LAB FILE ID: RF10: X8905 RF25: X8904 RF50: X8900
RF100: X8903 RF125: X8902 RF150: X8901

COMPOUND	RF10	RF25	RF50	RF100	RF125	RF150	CURVE	COEFFICENTS A0	COEFFICENTS A1	%RSD OR R^2	MAX %RSD OR R^2	
1,4-Dioxane	0.408	0.425	0.358	0.368	0.386	0.342	AVRG		0.38100263	8.215	15.000	
N-Nitrosodimethylamine	0.720	0.844	0.628	0.728	0.681	0.661	AVRG		0.71013330	10.620	15.000	
Pyridine	1.068	1.222	1.039	1.131	1.117	0.909	AVRG		1.08094784	9.707	15.000	
Aniline	1.339	1.304	1.074	1.179	1.100	1.120	AVRG		1.18624220	9.363	15.000	
2,2'-Oxybis(1-Chloropropa	2.275	2.522	1.872	2.048	1.948	1.841	AVRG		2.08430488	12.728	15.000	
Phenol	1.270	1.233	1.047	1.052	0.989	1.012	AVRG		1.10058411	10.884	15.000	
Bis(2-Chloroethyl)ether	1.025	1.033	0.846	0.846	0.778	0.696	AVRG		0.87076440	15.447	15.000	<-
2-Chlorophenol	1.140	1.093	0.924	0.956	0.876	0.851	AVRG		0.97344076	12.104	15.000	
1,3-Dichlorobenzene	1.454	1.411	1.170	1.224	1.133	1.021	AVRG		1.23546355	13.520	15.000	
1,4-Dichlorobenzene	1.420	1.424	1.196	1.222	1.148	1.007	AVRG		1.23601999	13.115	15.000	
Benzyl alcohol	0.279	0.264	0.234	0.326	0.340	0.347	AVRG		0.29835465	15.338	15.000	<-
2-Methylphenol	0.760	0.844	0.722	0.733	0.708	0.769	AVRG		0.75579887	6.446	15.000	
1,2-Dichlorobenzene	1.383	1.295	1.077	1.047	1.054	0.934	AVRG		1.13143207	15.061	15.000	<-
N-Nitroso-di-n-propylamin	0.772	0.840	0.645	0.703	0.638	0.617	AVRG		0.70233167	12.468	15.000	
3&4-Methylphenol	0.822	0.825	0.711	0.727	0.691	0.711	AVRG		0.74795965	7.958	15.000	
Hexachloroethane	0.499	0.494	0.428	0.413	0.396	0.337	AVRG		0.42774524	14.351	15.000	
Nitrobenzene	0.331	0.314	0.258	0.302	0.283	0.269	AVRG		0.29283512	9.529	15.000	
Isophorone	0.538	0.560	0.438	0.530	0.425	0.459	AVRG		0.49176709	11.710	15.000	
2-Nitrophenol	0.186	0.184	0.166	0.180	0.175	0.170	AVRG		0.17689058	4.515	15.000	
2,4-Dimethylphenol	0.274	0.286	0.249	0.261	0.241	0.250	AVRG		0.26034672	6.628	15.000	
Bis(2-Chloroethoxy)methan	0.370	0.360	0.291	0.340	0.312	0.298	AVRG		0.32854003	10.067	15.000	
Benzoic acid	0.086	0.116	0.097	0.141	0.109	0.116	AVRG		0.11079436	17.049	15.000	<-
2,4-Dichlorophenol	0.284	0.261	0.248	0.252	0.236	0.240	AVRG		0.25341623	6.846	15.000	
1,2,4-Trichlorobenzene	0.374	0.308	0.299	0.306	0.295	0.264	AVRG		0.30781120	11.711	15.000	
Naphthalene	0.898	0.812	0.731	0.779	0.718	0.682	AVRG		0.77012895	10.067	15.000	
4-Chloroaniline	171130	315130	612580	1000300	1201500	1920000	LINR	-9.96e-002	4.12925067	0.99177	0.99000	
Hexachlorobutadiene	0.260	0.202	0.198	0.208	0.188	0.166	AVRG		0.20371284	15.438	15.000	<-
4-Chloro-3-Methylphenol	0.219	0.221	0.200	0.225	0.189	0.205	AVRG		0.20998884	6.796	15.000	
2-Methylnaphthalene	0.603	0.519	0.477	0.509	0.457	0.446	AVRG		0.50196379	11.360	15.000	
1-Methylnaphthalene	0.543	0.497	0.449	0.487	0.429	0.417	AVRG		0.47041709	10.106	15.000	
Hexachlorocyclopentadiene	0.214	0.204	0.252	0.250	0.278	0.195	AVRG		0.23235187	14.015	15.000	
2,4,6-Trichlorophenol	0.409	0.360	0.349	0.373	0.354	0.320	AVRG		0.36094737	8.108	15.000	
2,4,5-Trichlorophenol	0.424	0.389	0.387	0.417	0.423	0.385	AVRG		0.40422785	4.693	15.000	
2-Chloronaphthalene	0.467	0.406	0.390	0.372	0.406	0.258	AVRG		0.38320250	18.094	15.000	<-
2-Nitroaniline	0.332	0.353	0.295	0.368	0.278	0.283	AVRG		0.31809628	11.978	15.000	
Dimethyl Phthalate	1.134	1.145	0.947	1.053	0.966	0.988	AVRG		1.03870161	8.243	15.000	
2,6-Dinitrotoluene	0.239	0.262	0.232	0.258	0.226	0.216	AVRG		0.23911476	7.638	15.000	
Acenaphthylene	1.664	1.605	1.421	1.445	1.399	1.212	AVRG		1.45782298	11.051	15.000	
3-Nitroaniline	0.210	0.216	0.189	0.230	0.200	0.238	AVRG		0.21388141	8.509	15.000	
Acenaphthene	1.116	0.988	0.922	0.946	0.881	0.834	AVRG		0.94806776	10.335	15.000	
2,4-Dinitrophenol	0.067	0.129	0.105	0.150	0.128	0.177	AVRG		0.12592384	29.895	15.000	<-
Dibenzofuran	1.430	1.350	1.276	1.279	1.187	1.173	AVRG		1.28233529	7.602	15.000	
4-Nitrophenol	0.047	0.068	0.064	0.090	0.077	0.092	AVRG		7.304e-002	23.187	15.000	<-
2,4-Dinitrotoluene	0.293	0.318	0.276	0.326	0.289	0.326	AVRG		0.30469788	7.043	15.000	

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project MIDDLE RIVER SDG No.: MID-5

Instrument ID: GCMS-X Calibration Date(s): 10/22/05 10/22/05

Column: DB5-MS ID: 0.25 (mm) Calibration Time(s): 1038 1428

LAB FILE ID: RF10: X8905 RF25: X8904 RF50: X8900
RF100: X8903 RF125: X8902 RF150: X8901

								COEFFICENTS		%RSD	MAX %RSD
COMPOUND	RF10	RF25	RF50	RF100	RF125	RF150	CURVE	A0	A1	OR R^2	OR R^2
Diethylphthalate	0.976	1.070	0.842	1.034	0.852	0.974	AVRG		0.95830450	9.738	15.000
Fluorene	1.118	1.108	0.970	1.011	0.890	0.897	AVRG		0.99899627	9.942	15.000
4-Chlorophenyl-phenylethe	0.659	0.626	0.553	0.564	0.519	0.518	AVRG		0.57321423	10.035	15.000
4-Nitroaniline	0.185	0.196	0.160	0.195	0.169	0.209	AVRG		0.18583579	9.901	15.000
4,6-Dinitro-2-Methylpheno	0.096	0.114	0.120	0.142	0.128	0.131	AVRG		0.12192484	13.036	15.000
N-Nitrosodiphenylamine	0.577	0.568	0.552	0.523	0.516	0.417	AVRG		0.52542710	11.132	15.000
1,2-Diphenylhydrazine	0.590	0.630	0.605	0.594	0.577	0.482	AVRG		0.57957792	8.785	15.000
4-Bromophenyl-phenylether	0.272	0.240	0.247	0.227	0.229	0.196	AVRG		0.23511219	10.704	15.000
Hexachlorobenzene	0.340	0.285	0.301	0.265	0.281	0.226	AVRG		0.28282390	13.376	15.000
Pentachlorophenol	0.096	0.116	0.119	0.117	0.118	0.118	AVRG		0.11408854	8.032	15.000
Phenanthrene	0.956	0.904	0.838	0.863	0.821	0.733	AVRG		0.85262200	8.936	15.000
Anthracene	0.964	0.908	0.813	0.820	0.771	0.634	AVRG		0.81843537	14.000	15.000
Carbazole	0.752	0.635	0.562	0.650	0.599	0.549	AVRG		0.62436155	11.796	15.000
Di-n-butylphthalate	0.904	0.916	0.729	0.954	0.810	0.848	AVRG		0.86024522	9.565	15.000
Fluoranthene	0.841	0.709	0.617	0.754	0.677	0.671	AVRG		0.71149046	10.976	15.000
Benzidine	0.244	0.209	0.221	0.191	0.192	0.178	AVRG		0.20585153	11.609	15.000
Pyrene	1.586	1.600	1.333	1.506	1.554	1.529	AVRG		1.51821785	6.390	15.000
Butylbenzylphthalate	0.518	0.527	0.460	0.560	0.530	0.505	AVRG		0.51685527	6.433	15.000
Benzo(a)anthracene	0.987	0.988	0.920	0.984	0.969	0.941	AVRG		0.96513429	2.919	15.000
3,3'-Dichlorobenzidine	0.270	0.289	0.312	0.322	0.342	0.274	AVRG		0.30162103	9.498	15.000
Chrysene	1.018	0.940	0.892	0.945	0.918	0.871	AVRG		0.93063652	5.490	15.000
bis(2-Ethylhexyl)phthalat	0.687	0.750	0.590	0.772	0.705	0.685	AVRG		0.69807180	9.095	15.000
Di-n-octylphthalate	1.414	1.745	1.342	1.811	1.530	1.737	AVRG		1.59663197	12.214	15.000
Benzo(b)fluoranthene	1.435	1.304	1.226	1.390	1.232	1.252	AVRG		1.30669623	6.712	15.000
Benzo(k)fluoranthene	1.506	1.414	1.189	1.394	1.315	1.227	AVRG		1.34086456	8.970	15.000
Benzo(a)pyrene	1.195	1.127	1.030	1.146	1.137	1.039	AVRG		1.11247451	5.796	15.000
Indeno(1,2,3-cd)pyrene	0.911	0.804	0.886	0.873	0.958	0.755	AVRG		0.86448704	8.553	15.000
Dibenzo(a,h)anthracene	0.842	0.810	0.874	0.916	0.953	0.779	AVRG		0.86240634	7.582	15.000
Benzo(g,h,i)perylene	0.957	0.797	0.938	0.898	1.047	0.768	AVRG		0.90102772	11.598	15.000
2-Fluorophenol	0.876	0.968	0.733	0.795	0.759	0.737	AVRG		0.81138787	11.484	15.000
Phenol-D6	1.047	1.064	0.854	0.883	0.812	0.814	AVRG		0.91211090	12.509	15.000
Nitrobenzene-D5	0.313	0.322	0.269	0.297	0.282	0.278	AVRG		0.29340548	7.151	15.000
2-Fluorobiphenyl	1.412	1.235	1.153	1.231	1.177	0.967	AVRG		1.19574657	12.051	15.000
2,4,6-Tribromophenol	0.175	0.164	0.172	0.186	0.162	0.176	AVRG		0.17260113	5.033	15.000
Terphenyl-D14	1.110	1.115	0.916	1.093	1.068	1.084	AVRG		1.06448852	7.006	15.000

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project MIDDLE RIVER SDG No.: MID-5

Instrument ID: GCMS-X Calibration Date(s): 10/22/05 10/22/05

Column: DB5-MS ID: 0.25 (mm) Calibration Time(s): 1038 1428

Average %RSD test result.

Calculate Average %RSD: 12.87279606
Maximum Average %RSD: 15.00000000

Note: Passes Average %RSD Test.

FORM VI SV

FORM 2
SOIL SEMIVOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Level: (low/med) LOW

	CLIENT SAMPLE ID	LAB SAMPLE ID	S1 2FP#	S2 PHL#	S3 NBZ#	S4 FBP#	S5 TBP#	S6 TPH#	S7 #	S8 #	TOT OUT
01	WG21993-BLANK	WG21993-1	73	85	58	65	73	73*			1
02	WG21993-LCS	WG21993-2	86	93	72	67	91	79			0
03	WG21993-LCSD	WG21993-3	45	56	37	43	55	48*			1
04	WG22096-BLANK	WG22096-1	69	79	67	64	62	66*			1
05	WG22096-LCS	WG22096-2	84	93	80	78	79	86			0
06	SD-14-SS	WV5583-4	64	72	59	60	58	63*			1
07	SD-14-01	WV5583-5	83	98	79	76	79	100			0
08	SD-14-02	WV5583-6	79	92	65	62	59	87			0
09	SD-16-SS	WV5583-7	70	81	62	59	73	72*			1
10	SD-13-SS	WV5583-1	81	89	73	71	51	72*			1
11	SD-13-01	WV5583-2	75	88	77	80	40	90			0
12	SD-13-02	WV5583-3	110	125*	121	106	58	92			1
13	SD-16-01	WV5583-8	87	104	91	88	42	114*			1
14	SD-16-02	WV5583-9RA	100	107	90	86	99	93			0
15	SD-19-02	WV5604-6	71	77	68	70	79	85			0
16	SD-20-SS	WV5604-7	69	77	62	62	74	66*			1
17	SD-21-SS	WV5604-8	68	82	63	68	85	74*			1
18	SD-22-SS	WV5604-9	88	97	77	69	69	84			0
19	SD-23-SS	WV5604-10	60	72	55	61	73	81			0
20	SD-17-SS	WV5604-2	62	81	56	60	72	78			0
21	SD-18-SS	WV5604-3	70	78	66	68	74	84			0
22	SD-19-SS	WV5604-4	79	78	70	61	76	80			0
23	SD-19-01	WV5604-5	71	77	62	65	53	65*			1
24	SD-15-SS	WV5604-1	88	87	82	68	61	103			0
25	SD-13-01	WV5583-2DL	80	77	70	76	49	101			0
26	SD-13-02	WV5583-3DL	91	103	96	97	66	119*			1
27	SD-16-01	WV5583-8DL	82	87	64	78	40	95			0
28											

	QC LIMITS
S1 (2FP) = 2-Fluorophenol	(40-130)
S2 (PHL) = Phenol-D6	(35-120)
S3 (NBZ) = Nitrobenzene-D5	(35-125)
S4 (FBP) = 2-Fluorobiphenyl	(34-107)
S5 (TBP) = 2,4,6-Tribromophenol	(37- 99)
S6 (TPH) = Terphenyl-D14	(75-111)

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

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Lab File ID: XD568 DFTPP Injection Date: 10/28/05

Instrument ID: GCMS-X DFTPP Injection Time: 1307

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	54.6
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Less than 100.0% of mass 198	62.6
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	47.4
197	Less than 1.0% of mass 198	0.8
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	20.1
365	1.0 - 100.0% of mass 198	2.2
441	0.0 - 100.0% of mass 443	7.9 (90.2)2
442	40.0 - 100.0% of mass 198	46.8
443	17.0 - 23.0% of mass 442	8.7 (18.6)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		SSTD050X1028	X8989	10/28/05	1326
02	WG21993-BLANK	WG21993-1	X8992	10/28/05	1543
03	WG21993-LCS	WG21993-2	X8993	10/28/05	1627
04	WG21993-LCSD	WG21993-3	X8994	10/28/05	1711
05	WG22096-BLANK	WG22096-1	X8995	10/28/05	1756
06	WG22096-LCS	WG22096-2	X8996	10/28/05	1840
07	SD-14-SS	WV5583-4	X8997	10/28/05	1925
08	SD-14-01	WV5583-5	X8998	10/28/05	2009
09	SD-14-02	WV5583-6	X8999	10/28/05	2053
10	SD-16-SS	WV5583-7	X9000	10/28/05	2138
11	SD-13-SS	WV5583-1	X9001	10/28/05	2223
12	SD-13-01	WV5583-2	X9002	10/28/05	2307
13	SD-13-02	WV5583-3	X9003	10/28/05	2351
14	SD-16-01	WV5583-8	X9004	10/29/05	0036
15					
16					
17					
18					
19					
20					

FORM V SV

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Instrument ID: GCMS-X Calibration Date: 10/28/05 Time: 1326

Lab File ID: X8989 Init. Calib. Date(s): 10/22/05 10/22/05

Init. Calib. Times: 1038 1428

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	0.3810000	0.3553000	0.3553000	0.01	-6.74	100.00	AVRG
N-Nitrosodimethylamine	0.7100000	0.6641000	0.6641000	0.01	-6.46	100.00	AVRG
Pyridine	1.0810000	1.0206000	1.0206000	0.01	-5.59	100.00	AVRG
Aniline	1.1860000	1.3231000	1.3231000	0.01	11.56	100.00	AVRG
2,2'-Oxybis(1-Chloropropane)	2.0840000	2.2032000	2.2032000	0.01	5.72	100.00	AVRG
Phenol	1.1000000	1.2684000	1.2684000	0.01	15.31	20.00	AVRG
Bis(2-Chloroethyl)ether	0.8710000	1.0074000	1.0074000	0.01	15.66	100.00	AVRG
2-Chlorophenol	0.9730000	1.0250000	1.0250000	0.01	5.34	100.00	AVRG
1,3-Dichlorobenzene	1.2360000	1.2728000	1.2728000	0.01	2.98	100.00	AVRG
1,4-Dichlorobenzene	1.2360000	1.2725000	1.2725000	0.01	2.95	20.00	AVRG
Benzyl alcohol	0.2980000	0.4942800	0.4942800	0.01	65.87	100.00	AVRG
2-Methylphenol	0.7560000	0.8404000	0.8404000	0.01	11.16	100.00	AVRG
1,2-Dichlorobenzene	1.1320000	1.1522000	1.1522000	0.01	1.78	100.00	AVRG
N-Nitroso-di-n-propylamine	0.7020000	0.7792700	0.7792700	0.05	11.01	100.00	AVRG
3&4-Methylphenol	0.7480000	0.8677100	0.8677100	0.01	16.00	100.00	AVRG
Hexachloroethane	0.4280000	0.5065500	0.5065500	0.01	18.35	100.00	AVRG
Nitrobenzene	0.2930000	0.2814300	0.2814300	0.01	-3.95	100.00	AVRG
Isophorone	0.4920000	0.5296400	0.5296400	0.01	7.65	100.00	AVRG
2-Nitrophenol	0.1770000	0.1728400	0.1728400	0.01	-2.35	20.00	AVRG
2,4-Dimethylphenol	0.2600000	0.2732600	0.2732600	0.01	5.10	100.00	AVRG
Bis(2-Chloroethoxy)methane	0.3280000	0.3335800	0.3335800	0.01	1.70	100.00	AVRG
Benzoic acid	0.1110000	8.25e-002	8.25e-002	0.01	-25.68	100.00	AVRG
2,4-Dichlorophenol	0.2540000	0.2466200	0.2466200	0.01	-2.90	20.00	AVRG
1,2,4-Trichlorobenzene	0.3080000	0.3000600	0.3000600	0.01	-2.58	100.00	AVRG
Naphthalene	0.7700000	0.7754800	0.7754800	0.01	0.71	100.00	AVRG
4-Chloroaniline	58.528000	50.000000	0.3027800	0.01	17.06	100.00	LINR
Hexachlorobutadiene	0.2040000	0.1745000	0.1745000	0.01	-14.46	20.00	AVRG
4-Chloro-3-Methylphenol	0.2100000	0.2171400	0.2171400	0.01	3.40	20.00	AVRG
2-Methylnaphthalene	0.5020000	0.4975600	0.4975600	0.01	-0.88	100.00	AVRG

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Instrument ID: GCMS-X Calibration Date: 10/28/05 Time: 1326

Lab File ID: X8989 Init. Calib. Date(s): 10/22/05 10/22/05

Init. Calib. Times: 1038 1428

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	0.4700000	0.4913600	0.4913600	0.01	4.54	100.00	AVRG
Hexachlorocyclopentadiene	0.2320000	0.1801700	0.1801700	0.05	-22.34	100.00	AVRG
2,4,6-Trichlorophenol	0.3610000	0.3603900	0.3603900	0.01	-0.17	20.00	AVRG
2,4,5-Trichlorophenol	0.4040000	0.3706000	0.3706000	0.01	-8.27	100.00	AVRG
2-Chloronaphthalene	0.3830000	0.4110000	0.4110000	0.01	7.31	100.00	AVRG
2-Nitroaniline	0.3180000	0.3329100	0.3329100	0.01	4.69	100.00	AVRG
Dimethyl Phthalate	1.0390000	1.0421000	1.0421000	0.01	0.30	100.00	AVRG
2,6-Dinitrotoluene	0.2390000	0.2511400	0.2511400	0.01	5.08	100.00	AVRG
Acenaphthylene	1.4580000	1.4696000	1.4696000	0.01	0.80	100.00	AVRG
3-Nitroaniline	0.2140000	0.2228400	0.2228400	0.01	4.13	100.00	AVRG
Acenaphthene	0.9480000	0.9608700	0.9608700	0.01	1.36	20.00	AVRG
2,4-Dinitrophenol	0.1260000	0.1193300	0.1193300	0.05	-5.29	100.00	AVRG
Dibenzofuran	1.2820000	1.3145000	1.3145000	0.01	2.54	100.00	AVRG
4-Nitrophenol	7.3e-002	8.81e-002	8.81e-002	0.05	20.68	100.00	AVRG
2,4-Dinitrotoluene	0.3050000	0.3109400	0.3109400	0.01	1.95	100.00	AVRG
Diethylphthalate	0.9580000	0.9981400	0.9981400	0.01	4.19	100.00	AVRG
Fluorene	0.9990000	1.0397000	1.0397000	0.01	4.07	100.00	AVRG
4-Chlorophenyl-phenylether	0.5730000	0.5768200	0.5768200	0.01	0.67	100.00	AVRG
4-Nitroaniline	0.1860000	0.1890200	0.1890200	0.01	1.62	100.00	AVRG
4,6-Dinitro-2-Methylphenol	0.1220000	0.1109800	0.1109800	0.01	-9.03	100.00	AVRG
N-Nitrosodiphenylamine	0.5260000	0.5240100	0.5240100	0.01	-0.38	20.00	AVRG
Azobenzene	0.5800000	0.6298600	0.6298600	0.01	8.60	100.00	AVRG
4-Bromophenyl-phenylether	0.2350000	0.2283100	0.2283100	0.01	-2.85	100.00	AVRG
Hexachlorobenzene	0.2830000	0.2721400	0.2721400	0.01	-3.84	100.00	AVRG
Pentachlorophenol	0.1140000	0.1113000	0.1113000	0.01	-2.37	20.00	AVRG
Phenanthrene	0.8520000	0.8535300	0.8535300	0.01	0.18	100.00	AVRG
Anthracene	0.8180000	0.8325100	0.8325100	0.01	1.77	100.00	AVRG
Carbazole	0.6240000	0.5999200	0.5999200	0.01	-3.86	100.00	AVRG
Di-n-butylphthalate	0.8600000	0.7986500	0.7986500	0.01	-7.13	100.00	AVRG

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Instrument ID: GCMS-X Calibration Date: 10/28/05 Time: 1326

Lab File ID: X8989 Init. Calib. Date(s): 10/22/05 10/22/05

Init. Calib. Times: 1038 1428

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
Fluoranthene	0.7120000	0.6931600	0.6931600	0.01	-2.65	20.00	AVRG
Benzidine	0.2060000	0.2768000	0.2768000	0.01	34.37	100.00	AVRG
Pyrene	1.5180000	1.7079000	1.7079000	0.01	12.51	100.00	AVRG
Butylbenzylphthalate	0.5170000	0.5272400	0.5272400	0.01	1.98	100.00	AVRG
Benzo(a)anthracene	0.9650000	0.9954200	0.9954200	0.01	3.15	100.00	AVRG
3,3'-Dichlorobenzidine	0.3020000	0.2598600	0.2598600	0.01	-13.95	100.00	AVRG
Chrysene	0.9310000	0.9508100	0.9508100	0.01	2.13	100.00	AVRG
bis(2-Ethylhexyl)phthalate	0.6980000	0.6728200	0.6728200	0.01	-3.61	100.00	AVRG
Di-n-octylphthalate	1.5960000	1.5160000	1.5160000	0.01	-5.01	20.00	AVRG
Benzo(b)fluoranthene	1.3060000	1.2630000	1.2630000	0.01	-3.29	100.00	AVRG
Benzo(k)fluoranthene	1.3410000	1.3732000	1.3732000	0.01	2.40	100.00	AVRG
Benzo(a)pyrene	1.1120000	1.0659000	1.0659000	0.01	-4.14	20.00	AVRG
Indeno(1,2,3-cd)pyrene	0.8640000	0.6633000	0.6633000	0.01	-23.23	100.00	AVRG
Dibenzo(a,h)anthracene	0.8620000	0.7130600	0.7130600	0.01	-17.28	100.00	AVRG
Benzo(g,h,i)perylene	0.9010000	0.7653800	0.7653800	0.01	-15.05	100.00	AVRG
2-Fluorophenol	0.8110000	0.8680200	0.8680200	0.01	7.03	100.00	AVRG
Phenol-D6	0.9120000	1.0266000	1.0266000	0.01	12.57	100.00	AVRG
Nitrobenzene-D5	0.2940000	0.3003300	0.3003300	0.01	2.15	100.00	AVRG
2-Fluorobiphenyl	1.1960000	1.1660000	1.1660000	0.01	-2.51	100.00	AVRG
2,4,6-Tribromophenol	0.1720000	0.1799000	0.1799000	0.01	4.59	100.00	AVRG
Terphenyl-D14	1.0640000	1.1267000	1.1267000	0.01	5.89	100.00	AVRG

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: MIDDLE RIVER
PO No:
Sample Date:
Received Date:
Extraction Date: 10/25/05
Analysis Date: 28-OCT-2005 15:43
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 100

Lab ID: WG21993-1
Client ID: WG21993-Blank
SDG: MID-5
Extracted by: GN
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG21993
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
123-91-1	1,4-Dioxane	U	330	1.0	330	330	160
62-75-9	N-Nitrosodimethylamine	U	330	1.0	330	330	160
110-86-1	Pyridine	U	330	1.0	330	330	160
62-53-3	Aniline	U	330	1.0	330	330	160
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	330	1.0	330	330	31
108-95-2	Phenol	U	330	1.0	330	330	91
111-44-4	Bis(2-Chloroethyl)ether	U	330	1.0	330	330	33
95-57-8	2-Chlorophenol	U	330	1.0	330	330	90
541-73-1	1,3-Dichlorobenzene	U	330	1.0	330	330	53
106-46-7	1,4-Dichlorobenzene	U	330	1.0	330	330	25
100-51-6	Benzyl alcohol	U	330	1.0	330	330	31
95-48-7	2-Methylphenol	U	330	1.0	330	330	140
95-50-1	1,2-Dichlorobenzene	U	330	1.0	330	330	43
621-64-7	N-Nitroso-di-n-propylamine	U	330	1.0	330	330	56
106-44-5	3&4-Methylphenol	U	330	1.0	330	330	150
67-72-1	Hexachloroethane	U	330	1.0	330	330	61
98-95-3	Nitrobenzene	U	330	1.0	330	330	74
78-59-1	Isophorone	U	330	1.0	330	330	52
88-75-5	2-Nitrophenol	U	330	1.0	330	330	110
105-67-9	2,4-Dimethylphenol	U	330	1.0	330	330	120
111-91-1	Bis(2-Chloroethoxy)methane	U	330	1.0	330	330	52
65-85-0	Benzoic acid	U	820	1.0	820	820	410
120-83-2	2,4-Dichlorophenol	U	330	1.0	330	330	130
120-82-1	1,2,4-Trichlorobenzene	U	330	1.0	330	330	44
91-20-3	Naphthalene	U	330	1.0	330	330	64
106-47-8	4-Chloroaniline	U	330	1.0	330	330	53
87-68-3	Hexachlorobutadiene	U	330	1.0	330	330	44
59-50-7	4-Chloro-3-Methylphenol	U	330	1.0	330	330	120
91-57-6	2-Methylnaphthalene	U	330	1.0	330	330	57
90-12-0	1-Methylnaphthalene	U	330	1.0	330	330	160
77-47-4	Hexachlorocyclopentadiene	U	330	1.0	330	330	75
88-06-2	2,4,6-Trichlorophenol	U	330	1.0	330	330	120
95-95-4	2,4,5-Trichlorophenol	U	820	1.0	820	820	180
91-58-7	2-Chloronaphthalene	U	330	1.0	330	330	48
88-74-4	2-Nitroaniline	U	820	1.0	820	820	75
131-11-3	Dimethyl Phthalate	U	330	1.0	330	330	62
606-20-2	2,6-Dinitrotoluene	U	330	1.0	330	330	77
208-96-8	Acenaphthylene	U	330	1.0	330	330	40
99-09-2	3-Nitroaniline	U	820	1.0	820	820	71
83-32-9	Acenaphthene	U	330	1.0	330	330	60
51-28-5	2,4-Dinitrophenol	U	820	1.0	820	820	62
132-64-9	Dibenzofuran	U	330	1.0	330	330	62
100-02-7	4-Nitrophenol	U	820	1.0	820	820	160

Sample Data Summary A0000240

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: MIDDLE RIVER
PO No:
Sample Date:
Received Date:
Extraction Date: 10/25/05
Analysis Date: 28-OCT-2005 15:43
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 100

Lab ID: WG21993-1
Client ID: WG21993-Blank
SDG: MID-5
Extracted by: GN
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG21993
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
121-14-2	2,4-Dinitrotoluene	U	330	1.0	330	330	98
84-66-2	Diethylphthalate	U	330	1.0	330	330	100
86-73-7	Fluorene	U	330	1.0	330	330	53
7005-72-3	4-Chlorophenyl-phenylether	U	330	1.0	330	330	50
100-01-6	4-Nitroaniline	U	820	1.0	820	820	86
534-52-1	4,6-Dinitro-2-Methylphenol	U	820	1.0	820	820	210
86-30-6	N-Nitrosodiphenylamine	U	330	1.0	330	330	72
103-33-3	Azobenzene	U	330	1.0	330	330	160
101-55-3	4-Bromophenyl-phenylether	U	330	1.0	330	330	56
118-74-1	Hexachlorobenzene	U	330	1.0	330	330	230
87-86-5	Pentachlorophenol	U	820	1.0	820	820	140
85-01-8	Phenanthrene	U	330	1.0	330	330	58
120-12-7	Anthracene	U	330	1.0	330	330	58
86-74-8	Carbazole	U	330	1.0	330	330	60
84-74-2	Di-n-butylphthalate	U	330	1.0	330	330	84
206-44-0	Fluoranthene	U	330	1.0	330	330	71
92-87-5	Benzidine	U	820	1.0	820	820	410
129-00-0	Pyrene	U	330	1.0	330	330	72
85-68-7	Butylbenzylphthalate	U	330	1.0	330	330	68
56-55-3	Benzo(a)anthracene	U	330	1.0	330	330	59
91-94-1	3,3'-Dichlorobenzidine	U	330	1.0	330	330	130
218-01-9	Chrysene	U	330	1.0	330	330	66
117-81-7	bis(2-Ethylhexyl)phthalate	U	330	1.0	330	330	74
117-84-0	Di-n-octylphthalate	U	330	1.0	330	330	74
205-99-2	Benzo(b)fluoranthene	U	330	1.0	330	330	64
207-08-9	Benzo(k)fluoranthene	U	330	1.0	330	330	59
50-32-8	Benzo(a)pyrene	U	330	1.0	330	330	45
193-39-5	Indeno(1,2,3-cd)pyrene	U	330	1.0	330	330	130
53-70-3	Dibenzo(a,h)anthracene	U	330	1.0	330	330	140
191-24-2	Benzo(g,h,i)perylene	U	330	1.0	330	330	130
367-12-4	2-Fluorophenol		73%				
13127-88-3	Phenol-D6		85%				
4165-60-0	Nitrobenzene-D5		58%				
321-60-8	2-Fluorobiphenyl		65%				
118-79-6	2,4,6-Tribromophenol		73%				
1718-51-0	Terphenyl-D14		* 73%				

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

WG21993-Blank

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Matrix: (soil/water) SOIL Lab Sample ID: WG21993-1

Sample wt/vol: 0.030(Kg/mL) KG Lab File ID: X8992

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/25/05

Concentrated Extract Volume: 0.001(L) Date Analyzed: 10/28/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 8

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	2.41	400	J
2.		UNKNOWN	5.24	1000	J
3.		UNKNOWN	19.56	200	J
4.		C9H18O3 ISOMER	19.97	500	J
5.		UNKNOWN	22.25	2000	J
6.		UNKNOWN	24.56	4000	J
7.		UNKNOWN	25.62	300	J
8.		UNKNOWN	25.86	200	J
9.					
10.					
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FORM I SV-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: MIDDLE RIVER
PO No:
Sample Date:
Received Date:
Extraction Date: 10/27/05
Analysis Date: 28-OCT-2005 17:56
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 100

Lab ID: WG22096-1
Client ID: WG22096-Blank
SDG: MID-5
Extracted by: KF
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG22096
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
123-91-1	1,4-Dioxane	U	330	1.0	330	330	160
62-75-9	N-Nitrosodimethylamine	U	330	1.0	330	330	160
110-86-1	Pyridine	U	330	1.0	330	330	160
62-53-3	Aniline	U	330	1.0	330	330	160
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	330	1.0	330	330	31
108-95-2	Phenol	U	330	1.0	330	330	91
111-44-4	Bis(2-Chloroethyl)ether	U	330	1.0	330	330	33
95-57-8	2-Chlorophenol	U	330	1.0	330	330	90
541-73-1	1,3-Dichlorobenzene	U	330	1.0	330	330	53
106-46-7	1,4-Dichlorobenzene	U	330	1.0	330	330	25
100-51-6	Benzyl alcohol	U	330	1.0	330	330	31
95-48-7	2-Methylphenol	U	330	1.0	330	330	140
95-50-1	1,2-Dichlorobenzene	U	330	1.0	330	330	43
621-64-7	N-Nitroso-di-n-propylamine	U	330	1.0	330	330	56
106-44-5	3&4-Methylphenol	U	330	1.0	330	330	150
67-72-1	Hexachloroethane	U	330	1.0	330	330	61
98-95-3	Nitrobenzene	U	330	1.0	330	330	74
78-59-1	Isophorone	U	330	1.0	330	330	52
88-75-5	2-Nitrophenol	U	330	1.0	330	330	110
105-67-9	2,4-Dimethylphenol	U	330	1.0	330	330	120
111-91-1	Bis(2-Chloroethoxy)methane	U	330	1.0	330	330	52
65-85-0	Benzoic acid	U	820	1.0	820	820	410
120-83-2	2,4-Dichlorophenol	U	330	1.0	330	330	130
120-82-1	1,2,4-Trichlorobenzene	U	330	1.0	330	330	44
91-20-3	Naphthalene	U	330	1.0	330	330	64
106-47-8	4-Chloroaniline	U	330	1.0	330	330	53
87-68-3	Hexachlorobutadiene	U	330	1.0	330	330	44
59-50-7	4-Chloro-3-Methylphenol	U	330	1.0	330	330	120
91-57-6	2-Methylnaphthalene	U	330	1.0	330	330	57
90-12-0	1-Methylnaphthalene	U	330	1.0	330	330	160
77-47-4	Hexachlorocyclopentadiene	U	330	1.0	330	330	75
88-06-2	2,4,6-Trichlorophenol	U	330	1.0	330	330	120
95-95-4	2,4,5-Trichlorophenol	U	820	1.0	820	820	180
91-58-7	2-Chloronaphthalene	U	330	1.0	330	330	48
88-74-4	2-Nitroaniline	U	820	1.0	820	820	75
131-11-3	Dimethyl Phthalate	U	330	1.0	330	330	62
606-20-2	2,6-Dinitrotoluene	U	330	1.0	330	330	77
208-96-8	Acenaphthylene	U	330	1.0	330	330	40
99-09-2	3-Nitroaniline	U	820	1.0	820	820	71
83-32-9	Acenaphthene	U	330	1.0	330	330	60
51-28-5	2,4-Dinitrophenol	U	820	1.0	820	820	62
132-64-9	Dibenzofuran	U	330	1.0	330	330	62
100-02-7	4-Nitrophenol	U	820	1.0	820	820	160

Sample Data Summary A0000243

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: MIDDLE RIVER
PO No:
Sample Date:
Received Date:
Extraction Date: 10/27/05
Analysis Date: 28-OCT-2005 17:56
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 100

Lab ID: WG22096-1
Client ID: WG22096-Blank
SDG: MID-5
Extracted by: KF
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG22096
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
121-14-2	2,4-Dinitrotoluene	U	330	1.0	330	330	98
84-66-2	Diethylphthalate	U	330	1.0	330	330	100
86-73-7	Fluorene	U	330	1.0	330	330	53
7005-72-3	4-Chlorophenyl-phenylether	U	330	1.0	330	330	50
100-01-6	4-Nitroaniline	U	820	1.0	820	820	86
534-52-1	4,6-Dinitro-2-Methylphenol	U	820	1.0	820	820	210
86-30-6	N-Nitrosodiphenylamine	U	330	1.0	330	330	72
103-33-3	Azobenzene	U	330	1.0	330	330	160
101-55-3	4-Bromophenyl-phenylether	U	330	1.0	330	330	56
118-74-1	Hexachlorobenzene	U	330	1.0	330	330	230
87-86-5	Pentachlorophenol	U	820	1.0	820	820	140
85-01-8	Phenanthrene	U	330	1.0	330	330	58
120-12-7	Anthracene	U	330	1.0	330	330	58
86-74-8	Carbazole	U	330	1.0	330	330	60
84-74-2	Di-n-butylphthalate	U	330	1.0	330	330	84
206-44-0	Fluoranthene	U	330	1.0	330	330	71
92-87-5	Benzidine	U	820	1.0	820	820	410
129-00-0	Pyrene	U	330	1.0	330	330	72
85-68-7	Butylbenzylphthalate	U	330	1.0	330	330	68
56-55-3	Benzo(a)anthracene	U	330	1.0	330	330	59
91-94-1	3,3'-Dichlorobenzidine	U	330	1.0	330	330	130
218-01-9	Chrysene	U	330	1.0	330	330	66
117-81-7	bis(2-Ethylhexyl)phthalate	U	330	1.0	330	330	74
117-84-0	Di-n-octylphthalate	U	330	1.0	330	330	74
205-99-2	Benzo(b)fluoranthene	U	330	1.0	330	330	64
207-08-9	Benzo(k)fluoranthene	U	330	1.0	330	330	59
50-32-8	Benzo(a)pyrene	U	330	1.0	330	330	45
193-39-5	Indeno(1,2,3-cd)pyrene	U	330	1.0	330	330	130
53-70-3	Dibenzo(a,h)anthracene	U	330	1.0	330	330	140
191-24-2	Benzo(g,h,i)perylene	U	330	1.0	330	330	130
367-12-4	2-Fluorophenol		69%				
13127-88-3	Phenol-D6		79%				
4165-60-0	Nitrobenzene-D5		67%				
321-60-8	2-Fluorobiphenyl		64%				
118-79-6	2,4,6-Tribromophenol		62%				
1718-51-0	Terphenyl-D14		* 66%				

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

WG22096-Blank

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Matrix: (soil/water) SOIL Lab Sample ID: WG22096-1

Sample wt/vol: 0.030(Kg/mL) KG Lab File ID: X8995

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/27/05

Concentrated Extract Volume: 0.001(L) Date Analyzed: 10/28/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 3

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	2.41	300	J
2.		UNKNOWN	5.24	1000	J
3.		UNKNOWN	22.28	200	J
4.					
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FORM I SV-TIC

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: MIDDLE RIVER
PO No:
Sample Date:
Received Date:
Extraction Date: 10/25/05
Analysis Date: 10/28/05
Report Date: 10/31/2005
Matrix: SOIL

Lab ID: WG21993-2 & WG21993-3
Client ID: WG21993-LCS & WG21993-LCSD
SDG: MID-5
Extracted by: GN
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG21993
Units: ug/Kg

COMPOUND	LCS SPIKE	LCSD SPIKE	SAMPLE CONC.	LCS CONC.	LCSD CONC.	LCS %REC.	LCSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
N-Nitrosodimethylamine	1667	1667	NA	1640	821	* 98	49 *	66	50	47- 97
Pyridine	1667	1667	NA	316	122	19 *	7 *	88	50	17-158
Aniline	1667	1667	NA	1580	756	95 *	45 *	70	50	52- 97
2,2'-Oxybis(1-Chloropropane)	1667	1667	NA	1500	740	90 *	44 *	68	50	49-122
Phenol	3333	3333	NA	3040	1860	91	56	48	50	48-116
Bis(2-Chloroethyl)ether	1667	1667	NA	1730	793	104 *	48 *	74	50	54-114
2-Chlorophenol	3333	3333	NA	2990	1650	90 *	50 *	58	50	60-118
1,3-Dichlorobenzene	1667	1667	NA	1490	702	89 *	42 *	72	50	45-110
1,4-Dichlorobenzene	1667	1667	NA	1440	677	86 *	41 *	72	50	44-111
Benzyl alcohol	1667	1667	NA	2780	1640	* 167	98 *	52	50	74-125
2-Methylphenol	3333	3333	NA	2860	1780	86	53	46	50	53-121
1,2-Dichlorobenzene	1667	1667	NA	1530	733	92	44 *	70	50	38-113
N-Nitroso-di-n-propylamine	1667	1667	NA	1520	838	91	50 *	58	50	36-115
Hexachloroethane	1667	1667	NA	1520	760	91	46 *	67	50	40- 99
Nitrobenzene	1667	1667	NA	1520	817	91	49 *	60	50	49-113
Isophorone	1667	1667	NA	1500	882	90	53 *	52	50	46-112
2-Nitrophenol	3333	3333	NA	2900	1640	87 *	49 *	56	50	57-120
2,4-Dimethylphenol	3333	3333	NA	2440	1660	73 *	50	38	50	54-113
Bis(2-Chloroethoxy)methane	1667	1667	NA	1470	858	88	51 *	52	50	50-117
Benzoic acid	1667		NA	953		57			50	0-150
2,4-Dichlorophenol	3333	3333	NA	2820	1910	85 *	57	38	50	59-116
1,2,4-Trichlorobenzene	1667	1667	NA	1510	747	91 *	45 *	68	50	53-115
Naphthalene	1667	1667	NA	1440	851	86	51 *	51	50	49-125
4-Chloroaniline	1667	1667	NA	1060	846	64	51	22	50	20-120
Hexachlorobutadiene	1667	1667	NA	1360	639	82 *	38 *	72	50	53-114
4-Chloro-3-Methylphenol	3333	3333	NA	2930	1890	88 *	57	43	50	62-126
2-Methylnaphthalene	1667	1667	NA	1480	941	89 *	56	44	50	61-122
Hexachlorocyclopentadiene	1667	1667	NA	696	304	42 *	18 *	78	50	28- 73
2,4,6-Trichlorophenol	3333	3333	NA	2850	1760	86 *	53	47	50	62-120
2,4,5-Trichlorophenol	3333	3333	NA	2670	1580	80 *	40 *	51	50	62-124
2-Chloronaphthalene	1667	1667	NA	1190	766	71	46	43	50	42-160
2-Nitroaniline	1667	1667	NA	1320	846	79 *	51	44	50	66-121
Dimethyl Phthalate	1667	1667	NA	1510	993	91	60	41	50	56-133
2,6-Dinitrotoluene	1667	1667	NA	1420	874	85 *	52	48	50	66-127
Acenaphthylene	1667	1667	NA	1450	908	87	54	46	50	47-117
3-Nitroaniline	1667	1667	NA	1000	638	60 *	38	44	50	57-120
Acenaphthene	1667	1667	NA	1470	940	88	56	44	50	54-122
2,4-Dinitrophenol	3333	3333	NA	2990	1460	90	44 *	69	50	3-118
Dibenzofuran	1667	1667	NA	1560	1010	94 *	61	43	50	66-119
4-Nitrophenol	3333	3333	NA	3460	2050	104	62 *	51	50	41-149
2,4-Dinitrotoluene	1667	1667	NA	1630	1010	98	61	47	50	60-125
Diethylphthalate	1667	1667	NA	1530	936	92 *	56	48	50	57-135
Fluorene	1667	1667	NA	1460	957	88	57	42	50	54-128
4-Chlorophenyl-phenylether	1667	1667	NA	1460	906	88	54	47	50	53-133
4-Nitroaniline	1667	1667	NA	664	224	* 40	* 13 *	99	50	62-125

FORM III SV-2
X8993.D & X8994.D

Sample Data Summary A0000247

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: MIDDLE RIVER
PO No:
Sample Date:
Received Date:
Extraction Date: 10/25/05
Analysis Date: 10/28/05
Report Date: 10/31/2005
Matrix: SOIL

Lab ID: WG21993-2 & WG21993-3
Client ID: WG21993-LCS & WG21993-LCSD
SDG: MID-5
Extracted by: GN
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG21993
Units: ug/Kg

COMPOUND	LCS SPIKE	LCSD SPIKE	SAMPLE CONC.	LCS CONC.	LCSD CONC.	LCS %REC.		LCSD %REC.		%RPD	%RPD LIMIT	QC. LIMITS
4,6-Dinitro-2-Methylphenol	3333	3333	NA	3200	1830	96		55	*	54	50	46-125
N-Nitrosodiphenylamine	3333	3333	NA	1170	798	35	*	24	*	38	50	70-131
4-Bromophenyl-phenylether	1667	1667	NA	1290	902	77	*	54	*	35	50	67-138
Hexachlorobenzene	1667	1667	NA	1470	957	88	*	57	*	42	50	63-131
Pentachlorophenol	3333	3333	NA	3140	1670	94	*	80	*	61	50	54-131
Phenanthrene	1667	1667	NA	1530	969	92	*	58	*	45	50	69-133
Anthracene	1667	1667	NA	1590	1020	95	*	61	*	44	50	70-131
Carbazole	1667	1667	NA	1580	954	95	*	57	*	49	50	78-133
Di-n-butylphthalate	1667	1667	NA	1610	923	97	*	55	*	51	50	65-139
Fluoranthene	1667	1667	NA	1640	935	98	*	56	*	58	50	69-133
Benzidine			NA								50	0-150
Pyrene	1667	1667	NA	1760	1090	106		65		47	50	58-141
Butylbenzylphthalate	1667	1667	NA	1490	917	89		55		48	50	44-155
Benzo(a)anthracene	1667	1667	NA	1440	834	86	*	50	*	53	50	54-135
3,3'-Dichlorobenzidine	1667	1667	NA	842	498	50	*	30	*	51	50	38-137
Chrysene	1667	1667	NA	1540	916	92		55	*	51	50	55-129
bis(2-Ethylhexyl)phthalate	1667	1667	NA	1370	867	82		52		45	50	45-154
Di-n-octylphthalate	1667	1667	NA	1490	904	89		54		49	50	53-143
Benzo(b)fluoranthene	1667	1667	NA	1440	954	86		57		41	50	47-136
Benzo(k)fluoranthene	1667	1667	NA	1420	906	85		54		44	50	49-150
Benzo(a)pyrene	1667	1667	NA	1460	952	88		57		42	50	52-135
Indeno(1,2,3-cd)pyrene	1667	1667	NA	1340	799	80		48		50	50	43-142
Dibenzo(a,h)anthracene	1667	1667	NA	1340	685	80	*	41	*	65	50	42-155
Benzo(g,h,i)perylene	1667	1667	NA	1420	787	85		47	*	57	50	40-147

FORM III SV-2
X8993.D & X8994.D

Sample Data Summary A0000248

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: MIDDLE RIVER
PO No:
Sample Date:
Received Date:
Extraction Date: 10/27/05
Analysis Date: 10/28/05
Report Date: 11/01/2005
Matrix: SOIL

Lab ID: WG22096-2
Client ID: WG22096-LCS
SDG: MID-5
Extracted by: KF
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG22096
Units: ug/Kg

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.		%REC.	QC. LIMITS
N-Nitrosodimethylamine	1667	NA	1280		77	47- 97
Pyridine	1667	NA	218	*	13	17-158
Aniline	1667	NA	1500		90	52- 97
2,2'-Oxybis(1-Chloropropane)	1667	NA	1410		85	49-122
Phenol	3333	NA	2990		90	48-116
Bis(2-Chloroethyl)ether	1667	NA	1570		94	54-114
2-Chlorophenol	3333	NA	2740		82	60-118
1,3-Dichlorobenzene	1667	NA	1340		80	45-110
1,4-Dichlorobenzene	1667	NA	1320		79	44-111
Benzyl alcohol	1667	NA	2660	*	160	74-125
2-Methylphenol	3333	NA	2860		86	53-121
1,2-Dichlorobenzene	1667	NA	1420		85	38-113
N-Nitroso-di-n-propylamine	1667	NA	1430		86	36-115
3&4-Methylphenol	3333	NA	3020		91	59-127
Hexachloroethane	1667	NA	1430		86	40- 99
Nitrobenzene	1667	NA	1320		79	49-113
Isophorone	1667	NA	1440		86	46-112
2-Nitrophenol	3333	NA	2700		81	57-120
2,4-Dimethylphenol	3333	NA	2460		74	54-113
Bis(2-Chloroethoxy)methane	1667	NA	1370		82	50-117
Benzoic acid	1667	NA	1200		72	0-150
2,4-Dichlorophenol	3333	NA	2700		81	59-116
1,2,4-Trichlorobenzene	1667	NA	1360		82	53-115
Naphthalene	1667	NA	1340		80	49-125
4-Chloroaniline	1667	NA	1180		71	20-120
Hexachlorobutadiene	1667	NA	1250		75	53-114
4-Chloro-3-Methylphenol	3333	NA	2710		81	62-126
2-Methylnaphthalene	1667	NA	1360		82	61-122
Hexachlorocyclopentadiene	1667	NA	653		39	28- 73
2,4,6-Trichlorophenol	3333	NA	2750		82	62-120
2,4,5-Trichlorophenol	3333	NA	2460		74	62-124
2-Chloronaphthalene	1667	NA	1160		70	42-160
2-Nitroaniline	1667	NA	1270		76	66-121
Dimethyl Phthalate	1667	NA	1440		86	56-133
2,6-Dinitrotoluene	1667	NA	1330		80	66-127
Acenaphthylene	1667	NA	1400		84	47-117
3-Nitroaniline	1667	NA	996		60	57-120
Acenaphthene	1667	NA	1400		84	54-122
2,4-Dinitrophenol	3333	NA	2490		75	3-118
Dibenzofuran	1667	NA	1480		89	66-119
4-Nitrophenol	3333	NA	3200		96	41-149
2,4-Dinitrotoluene	1667	NA	1500		90	60-125
Diethylphthalate	1667	NA	1410		85	57-135
Fluorene	1667	NA	1410		85	54-128
4-Chlorophenyl-phenylether	1667	NA	1370		82	53-133

FORM III SV-2
X8996.D

Sample Data Summary A0000249

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: MIDDLE RIVER
PO No:
Sample Date:
Received Date:
Extraction Date: 10/27/05
Analysis Date: 10/28/05
Report Date: 11/01/2005
Matrix: SOIL

Lab ID: WG22096-2
Client ID: WG22096-LCS
SDG: MID-5
Extracted by: KF
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG22096
Units: ug/Kg

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.		%REC.	QC. LIMITS
4-Nitroaniline	1667	NA	807	*	48	62-125
4,6-Dinitro-2-Methylphenol	3333	NA	2830		85	46-125
N-Nitrosodiphenylamine	3333	NA	1150	*	34	70-131
4-Bromophenyl-phenylether	1667	NA	1370		82	67-138
Hexachlorobenzene	1667	NA	1340		80	63-131
Pentachlorophenol	3333	NA	2880		86	54-131
Phenanthrene	1667	NA	1420		85	69-133
Anthracene	1667	NA	1480		89	70-131
Carbazole	1667	NA	1440		86	78-133
Di-n-butylphthalate	1667	NA	1400		84	65-139
Fluoranthene	1667	NA	1490		89	69-133
Benzidine		NA				0-150
Pyrene	1667	NA	1560		94	58-141
Butylbenzylphthalate	1667	NA	1430		86	44-155
Benzo(a)anthracene	1667	NA	1350		81	54-135
3,3'-Dichlorobenzidine	1667	NA	798		48	38-137
Chrysene	1667	NA	1390		83	55-129
bis(2-Ethylhexyl)phthalate	1667	NA	1300		78	45-154
Di-n-octylphthalate	1667	NA	1320		79	53-143
Benzo(b)fluoranthene	1667	NA	1300		78	47-136
Benzo(k)fluoranthene	1667	NA	1240		74	49-150
Benzo(a)pyrene	1667	NA	1330		80	52-135
Indeno(1,2,3-cd)pyrene	1667	NA	1060		64	43-142
Dibenzo(a,h)anthracene	1667	NA	1060		64	42-155
Benzo(g,h,i)perylene	1667	NA	1110		67	40-147

FORM III SV-2
X8996.D

Sample Data Summary A0000250

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Lab File ID (Standard): X8989 Date Analyzed: 10/28/05

Instrument ID: GCMS-X Time Analyzed: 1326

	IS1 (DCB) AREA	#	RT	#	IS2 (NPT) AREA	#	RT	#	IS3 (ANT) AREA	#	RT	#
12 HOUR STD	332832		8.64		1151992		11.51		598418		15.64	
UPPER LIMIT	665664		9.14		2303984		12.01		1196836		16.14	
LOWER LIMIT	166416		8.14		575996		11.01		299209		15.14	

	CLIENT SAMPLE ID	LAB SAMPLE ID										
01	WG21993-BLANK	WG21993-1	347263		8.64		1178898		11.50		582152		15.64	
02	WG21993-LCS	WG21993-2	358398		8.64		1209565		11.51		630883		15.64	
03	WG21993-LCSD	WG21993-3	360818		8.64		1174316		11.50		621581		15.64	
04	WG22096-BLANK	WG22096-1	370654		8.64		1204987		11.50		655272		15.63	
05	WG22096-LCS	WG22096-2	347292		8.64		1188965		11.51		602051		15.64	
06	SD-14-SS	WV5583-4	360421		8.64		1150038		11.50		544147		15.63	
07	SD-14-01	WV5583-5	373208		8.63		1258776		11.49		673323		15.63	
08	SD-14-02	WV5583-6	363940		8.64		1304619		11.50		677227		15.63	
09	SD-16-SS	WV5583-7	330095		8.64		1079664		11.50		600016		15.63	
10	SD-13-SS	WV5583-1	457259		8.64		1486425		11.50		692876		15.64	
11	SD-13-01	WV5583-2	414969		8.64		1296838		11.50		490014		15.64	
12	SD-13-02	WV5583-3	394186		8.65		987651		11.51		320231		15.64	
13	SD-16-01	WV5583-8	532973		8.65		1725379		11.51		642548		15.64	
14														
15														
16														
17														
18														
19														
20														

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

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

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

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Lab File ID (Standard): X8989 Date Analyzed: 10/28/05

Instrument ID: GCMS-X Time Analyzed: 1326

		IS4 (PHN) AREA	#	IS4 (PHN) RT	#	IS5 (CRY) AREA	#	IS5 (CRY) RT	#	IS6 (PRY) AREA	#	IS6 (PRY) RT	#
12 HOUR STD		930066		19.16		382284		25.46		206241		28.59	
UPPER LIMIT		1860132		19.66		764568		25.96		412482		29.09	
LOWER LIMIT		465033		18.66		191142		24.96		103121		28.09	
	CLIENT SAMPLE ID	LAB SAMPLE ID											
01	WG21993-BLANK	WG21993-1		908205		19.15		420393		25.46		204855	28.59
02	WG21993-LCS	WG21993-2		991778		19.16		402240		25.46		203453	28.60
03	WG21993-LCSD	WG21993-3		909285		19.16		374480		25.46		187841	28.59
04	WG22096-BLANK	WG22096-1		946502		19.15		444550		25.45		194192	28.59
05	WG22096-LCS	WG22096-2		912781		19.16		412090		25.46		221389	28.59
06	SD-14-SS	WV5583-4		754045		19.15		281308		25.46		167384	28.59
07	SD-14-01	WV5583-5		895053		19.15		248359		25.45		126542	28.59
08	SD-14-02	WV5583-6		896904		19.15		255400		25.45		126515	28.59
09	SD-16-SS	WV5583-7		773255		19.15		201228		25.45		112118	28.60
10	SD-13-SS	WV5583-1		627575		19.16		129816	*	25.46		71097	* 28.60
11	SD-13-01	WV5583-2		688946	*	19.15		67408	*	25.45		41068	* 28.60
12	SD-13-02	WV5583-3		278285	*	19.16		67291	*	25.46		37912	* 28.60
13	SD-16-01	WV5583-8		461325	*	19.16		54384	*	25.46		20190	* 28.61
14													
15													
16													
17													
18													
19													
20													

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

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

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

FORM VIII SV-2

Data File: \\Target_server\GG\chem\gcms-x.i\X102205.b\X8901.D
Report Date: 31-Oct-2005 11:16

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-x.i\X102205.b\X8901.D
Lab Smp Id: SSTD150X1022
Inj Date : 22-OCT-2005 11:31 MS Autotune Date: 01-SEP-2005 09:03
Operator : JCG Inst ID: gcms-x.i
Smp Info : SSTD150X1022
Misc Info : SW846 8270C
Comment :
Method : \\Target_server\GG\chem\gcms-x.i\X102205.b\x8270C48.m
Meth Date : 25-Oct-2005 15:52 gcms-x.i Quant Type: ISTD
Cal Date : 22-OCT-2005 11:31 Cal File: X8901.D
Als bottle: 3 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12

Concentration Formula: Amt * DF * 1000*(Vt/Vo*Vi) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Volume of final extract (L)
Vo	1.000	Volume of sample extracted (L)
Vi	1.000	Volume injected (uL)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	1 1,4-Dioxane	58	2.905	2.825	(0.330)	840061	150.000	134
	2 N-Nitrosodimethylamine	42	3.498	3.467	(0.398)	1624512	150.000	140
	3 Pyridine	79	3.517	3.535	(0.400)	2234989	150.000	126
	4 2-Picoline	93	4.878	4.915	(0.555)	1961558	150.000	127
	5 N-Nitrosomethylethylamine	88	5.160	5.139	(0.587)	1036852	150.000	137(Q)
	6 Methyl Methanesulfonate	80	5.821	5.751	(0.662)	1334829	150.000	140
$	7 2-Fluorophenol	112	6.141	6.091	(0.698)	1812547	150.000	136
	8 N-Nitrosodiethylamine	102	6.589	6.528	(0.749)	1009986	150.000	141
	9 Ethyl Methanesulfonate	79	7.298	7.228	(0.830)	1837252	150.000	144
	10 Benzaldehyde	77	7.862	7.850	(0.894)	15151	150.000	53.6(Q)
	11 Aniline	93	8.134	8.093	(0.925)	2754137	150.000	142
$	12 Phenol-D6	99	8.192	8.132	(0.931)	2000423	150.000	134
	13 Pentachloroethane	117	8.173	8.152	(0.929)	698506	150.000	119
	14 Phenol	94	8.221	8.161	(0.935)	2486514	150.000	138(H)
	15 Bis(2-Chloroethyl)ether	93	8.338	8.297	(0.948)	1711328	150.000	120
	16 2-Chlorophenol	128	8.377	8.327	(0.952)	2092362	150.000	131
	17 1,3-Dichlorobenzene	146	8.669	8.638	(0.986)	2508638	150.000	124
*	18 1,4-Dichlorobenzene-D4	152	8.795	8.783	(1.000)	655495	40.0000	
	19 1,4-Dichlorobenzene	146	8.844	8.822	(1.006)	2474831	150.000	122
	20 1,2-Dichlorobenzene	146	9.155	9.133	(1.041)	2294788	150.000	124
	21 Benzyl alcohol	108	9.232	9.162	(1.050)	852685	150.000	174(AQ)
	22 Bis(2-Chloroisopropyl)ether	45	9.495	9.503	(1.080)	4521777	150.000	132

Data File: \\Target_server\GG\chem\gcms-x.i\X102205.b\X8901.D
Report Date: 31-Oct-2005 11:16

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
23	2,2'-Oxybis(1-chloropropane)	45	9.495	9.503	(1.080)	4524914	150.000	132 (M)
24	2-Methylphenol	108	9.524	9.473	(1.083)	1890164	150.000	153 (AQ)
25	Acetophenone	105	9.767	9.716	(0.837)	2494020	150.000	139
26	N-Nitrosopyrrolidine	100	9.835	9.687	(1.118)	876209	150.000	135 (Q)
27	o-Toluidine	106	9.845	9.794	(0.843)	2775066	150.000	145
28	N-Nitroso-di-n-propylamine	70	9.874	9.775	(1.123)	1516817	150.000	132
29	N-Nitrosomorpholine	56	9.903	9.794	(1.126)	1348312	150.000	138
30	3&4-Methylphenol	108	9.913	9.843	(1.127)	1748246	150.000	143 (H)
31	4-Methylphenol	108	9.913	9.843	(1.127)	1748246	150.000	143 (H)
32	Hexachloroethane	117	9.884	9.872	(1.124)	828615	150.000	118
$ 33	Nitrobenzene-D5	82	10.088	10.027	(0.864)	2145763	150.000	142
34	Nitrobenzene	77	10.136	10.076	(0.868)	2077839	150.000	138
35	N-Nitrosopiperidine	114	10.506	10.426	(0.900)	965379	150.000	148
36	Isophorone	82	10.710	10.650	(0.918)	3547248	150.000	140
37	2-Nitrophenol	139	10.846	10.805	(0.929)	1314834	150.000	144
38	2,4-Dimethylphenol	107	11.089	11.029	(0.950)	1931672	150.000	144
39	O,O,O-Triethylphosphorothioat	198	11.244	11.194	(0.963)	1117746	150.000	134
40	Bis(2-Chloroethoxy)methane	93	11.293	11.242	(0.968)	2300401	150.000	136 (H)
41	2,4-Dichlorophenol	162	11.448	11.398	(0.981)	1854303	150.000	142
42	Benzoic acid	122	11.604	11.262	(0.994)	894340	150.000	157 (TAQM)
43	1,2,4-Trichlorobenzene	180	11.565	11.544	(0.991)	2036697	150.000	128
* 44	Naphthalene-D8	136	11.672	11.651	(1.000)	2059933	40.0000	
45	Naphthalene	128	11.730	11.690	(1.005)	5272493	150.000	133
46	2,6-Dichlorophenol	162	11.925	11.894	(1.022)	1484065	150.000	129
47	Hexachloropropene	213	11.934	11.913	(1.022)	1211340	150.000	121
48	4-Chloroaniline	127	11.944	11.903	(1.023)	1920047	150.000	150
49	Hexachlorobutadiene	225	12.061	12.039	(1.033)	1278987	150.000	122
50	N-Nitroso-Di-N-Butylamine	84	12.819	12.768	(1.098)	1291179	150.000	142
51	p-Phenylenediamine	108	12.858	12.827	(0.813)	478631	150.000	131 (QM)
52	Caprolactam	113	13.004	12.710	(1.114)	590640	150.000	179 (TAQM)
53	4-Chloro-3-Methylphenol	107	13.227	13.157	(1.133)	1586972	150.000	147 (Q)
54	A,A-Dimethylphenethylamine	58	12.819	13.332	(1.098)	1845408	150.000	62.9 (QM)
55	Safrole	104	13.247	13.216	(0.838)	696401	150.000	115 (Q)
56	2-Methylnaphthalene	142	13.373	13.342	(1.146)	3446838	150.000	133
57	1-Methylnaphthalene	142	13.596	13.556	(1.165)	3220621	150.000	133
58	Hexachlorocyclopentadiene	237	13.752	13.731	(0.870)	838436	150.000	126
59	1,2,4,5-Tetrachlorobenzene	216	13.771	13.740	(0.871)	2002826	150.000	116
60	2,4,6-Trichlorophenol	196	14.112	14.061	(0.892)	1374192	150.000	133 (M)
61	2,4,5-Trichlorophenol	196	14.209	14.168	(0.899)	1652739	150.000	143
$ 62	2-Fluorobiphenyl	172	14.306	14.265	(0.905)	4150912	150.000	121
63	Diethyl Adipate	111	14.461	14.421	(0.915)	1104692	150.000	127
64	Isosafrole	131	14.491	14.440	(1.241)	562565	150.000	132 (Q)
65	2-Chloronaphthalene	164	14.510	14.469	(0.918)	1105943	150.000	101 (Q)
66	1,1'-Biphenyl	154	14.530	14.479	(0.919)	3143416	150.000	103
67	1-Chloronaphthalene	162	14.559	14.508	(0.921)	3860671	150.000	132 (H)
68	Diphenylether	170	14.782	14.761	(0.935)	2372049	150.000	124
69	2-Nitroaniline	65	14.850	14.780	(0.939)	1213867	150.000	133
70	1,4-Naphthoquinone	158	14.977	14.936	(0.947)	456054	150.000	82.2
71	1,4-Dinitrobenzene	75	15.220	15.169	(0.963)	697551	150.000	166 (A)
72	Dimethyl Phthalate	163	15.395	15.315	(0.974)	4240055	150.000	143
73	1,3-Dinitrobenzene	168	15.414	15.334	(0.975)	781024	150.000	155 (A)
74	2,6-Dinitrotoluene	165	15.482	15.412	(0.979)	926108	150.000	135
75	Acenaphthylene	152	15.472	15.432	(0.978)	5200837	150.000	125
76	1,2-Dinitrobenzene	50	15.589	15.490	(0.986)	687521	150.000	156 (AH)

Data File: \\Target_server\GG\chem\gcms-x.i\X102205.b\X8901.D
Report Date: 31-Oct-2005 11:16

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
*	77 Acenaphthene-D10	164	15.813	15.791	(1.000)	1144501	40.0000	
	78 3-Nitroaniline	138	15.851	15.772	(1.002)	1021212	150.000	167(A)
	79 Acenaphthene	153	15.910	15.859	(1.006)	3580102	150.000	132
	80 2,4-Dinitrophenol	184	16.124	16.063	(1.020)	758363	150.000	210(A)
	81 Pentachlorobenzene	250	16.221	16.180	(1.026)	2116618	150.000	138
	82 Dibenzofuran	168	16.328	16.277	(1.033)	5033230	150.000	137
	83 4-Nitrophenol	109	16.415	16.394	(1.038)	394450	150.000	189(A)
	84 2,4-Dinitrotoluene	165	16.444	16.365	(1.040)	1400331	150.000	161(A)
	85 1-Naphthylamine	143	16.532	16.481	(1.045)	2868687	150.000	144
	86 2,3,5,6-Tetrachlorophenol	232	16.571	16.520	(1.048)	1268303	150.000	161(A)
	87 2,3,4,6-Tetrachlorophenol	232	16.668	16.627	(1.054)	1587732	150.000	162(AM)
	88 2-Naphthylamine	143	16.746	16.685	(1.059)	2684128	150.000	147
	89 Diethylphthalate	149	17.076	17.026	(1.080)	4182039	150.000	152(A)
	90 Fluorene	166	17.134	17.094	(1.084)	3851634	150.000	135
	91 4-Chlorophenyl-phenylether	204	17.212	17.191	(1.089)	2224888	150.000	136
	92 0,0-diethyl-o-2-pyrazinylphos	107	17.261	17.201	(1.092)	648713	150.000	147
	93 5-Nitro-O-Toluidine	152	17.280	17.191	(1.093)	1043748	150.000	158(AQ)
	94 4-Nitroaniline	138	17.329	17.220	(1.096)	898215	150.000	169(AQ)
	95 4,6-Dinitro-2-Methylphenol	198	17.407	17.317	(0.900)	1007353	150.000	161(A)
	96 N-Nitrosodiphenylamine/DPA	169	17.543	17.482	(0.907)	3200120	150.000	119
	97 N-Nitrosodiphenylamine	169	17.543	17.482	(0.907)	3200120	150.000	119
	98 1,2-Diphenylhydrazine	77	17.591	17.550	(0.910)	3702149	150.000	125(H)
	99 Azobenzene	77	17.591	17.550	(0.910)	3702149	150.000	125(H)
$	100 2,4,6-Tribromophenol	330	17.718	17.677	(1.120)	754513	150.000	153(A)
	101 Sulfotepp	97	18.048	17.998	(0.933)	584164	150.000	124
	102 Diallate	86	18.262	18.221	(0.944)	941787	150.000	126
	103 Phorate	75	18.281	18.231	(0.945)	2107225	150.000	124
	104 1,3,5-Trinitrobenzene	75	18.378	18.279	(0.950)	679569	150.000	164(AH)
	105 4-Bromophenyl-phenylether	248	18.369	18.338	(0.950)	1503838	150.000	125
	106 Phenacetin	108	18.437	18.318	(0.953)	1342106	150.000	133
	107 Hexachlorobenzene	284	18.427	18.386	(0.953)	1733525	150.000	120
	108 Dimethoate	87	18.690	18.600	(0.966)	818958	150.000	105
	109 Atrazine	200	18.933	18.863	(0.979)	727167	150.000	103
	110 Pentachlorophenol	266	18.962	18.921	(0.980)	907987	150.000	155(A)
	111 Pentachloronitrobenzene	237	18.971	18.921	(0.981)	540007	150.000	143(M)
	112 4-Aminobiphenyl	169	19.010	18.960	(0.983)	2712501	150.000	127
	113 Pronamide	173	19.282	19.222	(0.997)	1677047	150.000	141
*	114 Phenanthrene-D10	188	19.341	19.310	(1.000)	2047399	40.0000	
	115 Phenanthrene	178	19.409	19.358	(1.004)	5627493	150.000	129
	116 Dinoseb	211	19.496	19.456	(1.008)	1141067	150.000	148
	117 Disulfoton	88	19.535	19.494	(1.010)	1601607	150.000	115
	118 Anthracene	178	19.535	19.485	(1.010)	4864283	150.000	116
	119 Carbazole	167	19.982	19.942	(1.033)	4214060	150.000	132
	120 Methyl Parathion	109	20.390	20.359	(1.054)	732923	150.000	126
	121 Di-n-butylphthalate	149	21.013	20.982	(1.086)	6510346	150.000	148
	122 4-Nitroquinoline-1-Oxide	190	21.314	21.273	(1.102)	330199	150.000	210(A)
	123 Parathion	291	21.372	21.341	(1.105)	528325	150.000	166(A)
	124 Methapyrilene	97	21.615	21.662	(1.118)	507323	150.000	94.4
	125 Isodrin	193	21.839	21.827	(1.129)	725074	150.000	138
	126 Fluoranthene	202	22.227	22.196	(1.149)	5150138	150.000	141
	127 Benzidine	184	22.665	22.653	(0.884)	605264	150.000	130
	128 Pyrene	202	22.743	22.702	(0.887)	5193381	150.000	151(A)
$	129 Terphenyl-D14	244	23.258	23.236	(0.907)	3682029	150.000	153(A)
	130 Aramite	185	23.540	23.528	(0.918)	321697	150.000	159(A)

Data File: \\Target_server\GG\chem\gcms-x.i\X102205.b\X8901.D
Report Date: 31-Oct-2005 11:16

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
131	p-Dimethylaminoazobenzene	225	23.617	23.596	(0.921)	880067	150.000	159(A)
132	Chlorobenzilate	251	23.783	23.761	(0.928)	1444283	150.000	164(A)
134	Kepone	272	24.473	24.383	(0.955)	1649	150.000	1.67(aQ)
135	3,3'-Dimethylbenzidine	212	24.414	24.413	(0.952)	598051	150.000	147
136	Butylbenzylphthalate	149	24.560	24.539	(0.958)	1716443	150.000	147
137	Bis(2-ethylhexyl)adipate	129	24.891	24.869	(0.971)	1831449	150.000	159(A)
138	2-Acetylaminofluorene	181	25.017	24.986	(0.976)	938847	150.000	137
139	Benzo(a)anthracene	228	25.620	25.598	(0.999)	3196413	150.000	146
* 140	Chrysene-D12	240	25.639	25.618	(1.000)	905596	40.0000	
141	3,3'-Dichlorobenzidine	252	25.668	25.647	(1.001)	931613	150.000	136
142	Chrysene	228	25.707	25.676	(1.003)	2957574	150.000	140(M)
143	bis(2-Ethylhexyl)phthalate	149	26.028	26.016	(1.015)	2327564	150.000	147
144	Di-n-octylphthalate	149	27.515	27.503	(0.957)	3174279	150.000	163(A)
145	Benzo(b)fluoranthene	252	28.011	27.989	(0.974)	2287915	150.000	144
146	7,12-Dimethylbenz(A)Anthracen	256	28.030	27.999	(0.975)	1099638	150.000	147
147	Benzo(k)fluoranthene	252	28.079	28.048	(0.976)	2241339	150.000	137
148	Benzo(a)pyrene	252	28.662	28.641	(0.997)	1899142	150.000	140
* 150	Perylene-D12	264	28.759	28.757	(1.000)	487262	40.0000	
151	3-Methylcholanthrene	268	29.391	29.370	(1.146)	958209	150.000	119
152	Dibenz(a,j)acridine	279	30.470	30.458	(1.059)	1258294	150.000	139
153	Indeno(1,2,3-cd)pyrene	276	30.752	30.730	(1.069)	1378905	150.000	131
154	Dibenzo(a,h)anthracene	278	30.810	30.798	(1.071)	1423464	150.000	135
155	Benzo(g,h,i)perylene	276	31.189	31.168	(1.084)	1402627	150.000	128

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount exceeded maximum amount.
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Lab File ID: XD569 DFTPP Injection Date: 10/29/05

Instrument ID: GCMS-X DFTPP Injection Time: 1204

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	44.5
68	Less than 2.0% of mass 69	0.2 (0.3)1
69	Less than 100.0% of mass 198	51.7
70	Less than 2.0% of mass 69	0.2 (0.5)1
127	40.0 - 60.0% of mass 198	42.6
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	7.4
275	10.0 - 30.0% of mass 198	19.9
365	1.0 - 100.0% of mass 198	2.8
441	0.0 - 100.0% of mass 443	9.9 (83.9)2
442	40.0 - 100.0% of mass 198	59.3
443	17.0 - 23.0% of mass 442	11.8 (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		SSTD050X1029	X9006	10/29/05	1223
02		SSTD150X1029	X9007	10/29/05	1315
03		SSTD125X1029	X9008	10/29/05	1400
04		SSTD100X1029	X9009	10/29/05	1445
05		SSTD025X1029	X9010	10/29/05	1529
06	SD-16-02	WV5583-9RA	X9013	10/29/05	1742
07	SD-19-02	WV5604-6	X9014	10/29/05	1827
08	SD-20-SS	WV5604-7	X9015	10/29/05	1912
09	SD-21-SS	WV5604-8	X9016	10/29/05	1956
10	SD-22-SS	WV5604-9	X9017	10/29/05	2040
11	SD-23-SS	WV5604-10	X9018	10/29/05	2124
12	SD-17-SS	WV5604-2	X9019	10/29/05	2208
13	SD-18-SS	WV5604-3	X9020	10/29/05	2253
14	SD-19-SS	WV5604-4	X9021	10/29/05	2337
15					
16					
17					
18					
19					
20					

FORM V SV

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project MIDDLE RIVER SDG No.: MID-5

Instrument ID: GCMS-X Calibration Date(s): 10/29/05 10/29/05

Column: DB5-MS ID: 0.25 (mm) Calibration Time(s): 1223 1613

LAB FILE ID: RF10: X9011 RF25: X9010 RF50: X9006
RF100: X9009 RF125: X9008 RF150: X9007

COMPOUND	RF10	RF25	RF50	RF100	RF125	RF150	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2	
1,4-Dioxane	0.421	0.382	0.360	0.382	0.332	0.325	AVRG		0.36691912		9.743	15.000	
N-Nitrosodimethylamine	0.728	0.655	0.598	0.612	0.689	0.624	AVRG		0.65116197		7.670	15.000	
Pyridine	1.194	1.079	1.057	1.078	1.093	1.019	AVRG		1.08684014		5.402	15.000	
Aniline	1.477	1.305	1.362	1.236	1.263	1.209	AVRG		1.30855305		7.533	15.000	
2,2'-Oxybis(1-Chloropropa	2.568	2.375	2.148	2.063	2.044	1.914	AVRG		2.18518922		11.069	15.000	
Phenol	1.442	1.220	1.263	1.050	1.166	0.988	AVRG		1.18810464		13.592	15.000	
Bis(2-Chloroethyl)ether	93120	191340	438160	797940	1219600	1811200	2ORDR	3.107e-002	0.71188504	0.22642266	0.99920	0.99000	
2-Chlorophenol	1.197	1.044	1.090	0.875	0.951	0.864	AVRG		1.00338986		13.027	15.000	
1,3-Dichlorobenzene	1.486	1.298	1.324	1.105	1.065	1.043	AVRG		1.22007754		14.496	15.000	
1,4-Dichlorobenzene	1.489	1.286	1.344	1.105	1.066	1.052	AVRG		1.22369183		14.501	15.000	
Benzyl alcohol	0.366	0.412	0.401	0.427	0.490	0.449	AVRG		0.42417041		9.997	15.000	
2-Methylphenol	0.892	0.817	0.837	0.718	0.817	0.785	AVRG		0.81108179		7.143	15.000	
1,2-Dichlorobenzene	1.365	1.186	1.222	1.046	0.989	0.945	AVRG		1.12557826		14.199	15.000	
N-Nitroso-di-n-propylamin	0.920	0.806	0.784	0.665	0.729	0.575	AVRG		0.74656444		15.990	15.000	<
3&4-Methylphenol	0.972	0.864	0.947	0.726	0.761	0.739	AVRG		0.83470960		12.987	15.000	
Hexachloroethane	44779	96760	222000	395680	555820	844800	2ORDR	6.211e-002	1.03159148	1.41856734	0.99587	0.99000	
Nitrobenzene	0.313	0.322	0.304	0.277	0.282	0.273	AVRG		0.29530799		6.991	15.000	
Isophorone	0.551	0.521	0.558	0.481	0.467	0.470	AVRG		0.50819562		8.043	15.000	
2-Nitrophenol	0.182	0.172	0.194	0.171	0.169	0.169	AVRG		0.17625961		5.516	15.000	
2,4-Dimethylphenol	0.268	0.278	0.304	0.258	0.263	0.256	AVRG		0.27110700		6.730	15.000	
Bis(2-Chloroethoxy)methan	0.365	0.358	0.365	0.326	0.307	0.386	AVRG		0.35127605		8.311	15.000	
Benzoic acid	11685	43892	113570	359860	653270	1370600	2ORDR	0.12890250	10.8913244	-8.1823870	0.99545	0.99000	
2,4-Dichlorophenol	0.248	0.255	0.285	0.227	0.237	0.225	AVRG		0.24636855		9.140	15.000	
1,2,4-Trichlorobenzene	0.346	0.327	0.313	0.285	0.260	0.259	AVRG		0.29831550		12.172	15.000	
Naphthalene	0.892	0.823	0.864	0.736	0.719	0.681	AVRG		0.78589992		10.918	15.000	
4-Chloroaniline	105520	202400	525590	797480	1355300	1952500	2ORDR	3.188e-002	2.02781551	2.44183323	0.99670	0.99000	
Hexachlorobutadiene	0.203	0.195	0.177	0.187	0.159	0.148	AVRG		0.17824171		11.851	15.000	
4-Chloro-3-Methylphenol	0.237	0.241	0.271	0.207	0.220	0.205	AVRG		0.23027177		10.827	15.000	
2-Methylnaphthalene	0.544	0.532	0.587	0.465	0.471	0.451	AVRG		0.50837312		10.637	15.000	
1-Methylnaphthalene	0.537	0.513	0.558	0.444	0.450	0.419	AVRG		0.48711182		11.677	15.000	
Hexachlorocyclopentadiene	0.113	0.159	0.143	0.199	0.171	0.162	AVRG		0.15799838		18.192	15.000	<
2,4,6-Trichlorophenol	0.351	0.336	0.346	0.337	0.338	0.317	AVRG		0.33755515		3.490	15.000	
2,4,5-Trichlorophenol	0.345	0.342	0.374	0.355	0.374	0.369	AVRG		0.35987254		4.077	15.000	
2-Chloronaphthalene	0.419	0.411	0.377	0.353	0.321	0.247	AVRG		0.35472254		18.023	15.000	<
2-Nitroaniline	0.355	0.318	0.342	0.345	0.365	0.337	AVRG		0.34364598		4.659	15.000	
Dimethyl Phthalate	1.102	1.108	1.101	0.988	1.012	0.957	AVRG		1.04476806		6.394	15.000	
2,6-Dinitrotoluene	0.261	0.263	0.273	0.240	0.235	0.224	AVRG		0.24944829		7.583	15.000	
Acenaphthylene	1.566	1.528	1.538	1.368	1.327	1.209	AVRG		1.42270998		10.066	15.000	
3-Nitroaniline	0.226	0.233	0.262	0.233	0.266	0.250	AVRG		0.24515430		6.741	15.000	
Acenaphthene	1.040	0.970	0.992	0.909	0.894	0.801	AVRG		0.93426090		9.030	15.000	
2,4-Dinitrophenol	10419	37416	136670	240780	494860	807210	LINR	0.16006054	5.70811328		0.99458	0.99000	
Dibenzofuran	1.370	1.344	1.339	1.261	1.274	1.115	AVRG		1.28391933		7.229	15.000	
4-Nitrophenol	16463	23793	108720	148210	285280	478880	LINR	3.367e-002	9.93207588		0.99221	0.99000	
2,4-Dinitrotoluene	0.303	0.341	0.368	0.343	0.360	0.336	AVRG		0.34179816		6.636	15.000	

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project MIDDLE RIVER SDG No.: MID-5

Instrument ID: GCMS-X Calibration Date(s): 10/29/05 10/29/05

Column: DB5-MS ID: 0.25 (mm) Calibration Time(s): 1223 1613

LAB FILE ID: RF10: X9011 RF25: X9010 RF50: X9006
RF100: X9009 RF125: X9008 RF150: X9007

								COEFFICENTS			%RSD	MAX %RSD	
COMPOUND	RF10	RF25	RF50	RF100	RF125	RF150	CURVE	A0	A1	A2	OR R^2	OR R^2	
Diethylphthalate	1.064	1.082	1.144	0.983	1.065	0.978	AVRG		1.05279185		6.003	15.000	
Fluorene	1.101	1.073	1.118	0.968	0.960	0.830	AVRG		1.00832418		10.901	15.000	
4-Chlorophenyl-phenylethe	0.613	0.577	0.578	0.535	0.531	0.483	AVRG		0.55280664		8.286	15.000	
4-Nitroaniline	0.214	0.214	0.272	0.219	0.240	0.218	AVRG		0.22965939		10.044	15.000	
4,6-Dinitro-2-Methylpheno	21418	68051	213980	351020	650340	981700	LINR	4.223e-002	7.73782906		0.99916	0.99000	
N-Nitrosodiphenylamine	0.520	0.523	0.525	0.458	0.468	0.443	AVRG		0.48958510		7.641	15.000	
Azobenzene	0.628	0.600	0.581	0.537	0.581	0.614	AVRG		0.59025849		5.426	15.000	
4-Bromophenyl-phenylether	0.250	0.221	0.214	0.213	0.190	0.182	AVRG		0.21146296		11.453	15.000	
Hexachlorobenzene	0.294	0.289	0.261	0.261	0.237	0.232	AVRG		0.26265862		9.734	15.000	
Pentachlorophenol	0.073	0.110	0.111	0.111	0.110	0.112	AVRG		0.10448754		14.561	15.000	
Phenanthrene	0.939	0.897	0.891	0.795	0.786	0.746	AVRG		0.84214505		9.093	15.000	
Anthracene	0.953	0.909	0.908	0.793	0.699	0.591	AVRG		0.80893828		17.534	15.000	<
Carbazole	0.714	0.709	0.795	0.641	0.621	0.564	AVRG		0.67414394		12.160	15.000	
Di-n-butylphthalate	0.928	1.023	1.084	0.900	0.874	0.848	AVRG		0.94288962		9.709	15.000	
Fluoranthene	0.875	0.910	0.930	0.809	0.708	0.638	AVRG		0.81171407		14.396	15.000	
Benzidine	0.198	0.226	0.321	0.201	0.214	0.208	AVRG		0.22810603		20.501	15.000	<
Pyrene	1.207	1.116	1.233	1.187	1.665	1.528	AVRG		1.32259520		16.624	15.000	<
Butylbenzylphthalate	0.462	0.486	0.553	0.454	0.591	0.542	AVRG		0.51463995		10.786	15.000	
Benzo(a)anthracene	0.930	0.948	1.010	0.903	1.034	0.941	AVRG		0.96092368		5.227	15.000	
3,3'-Dichlorobenzidine	0.299	0.331	0.340	0.307	0.310	0.290	AVRG		0.31301585		6.148	15.000	
Chrysene	0.977	0.961	0.928	0.882	0.978	0.883	AVRG		0.93482747		4.767	15.000	
bis(2-Ethylhexyl)phthalat	0.627	0.652	0.762	0.606	0.767	0.745	AVRG		0.69337204		10.491	15.000	
Di-n-octylphthalate	187970	552280	1693800	1769300	1934200	3498300	2ORDR	-1.94e-003	0.74187120	-2.73e-002	0.99345	0.99000	
Benzo(b)fluoranthene	1.232	1.200	1.268	1.176	1.242	1.278	AVRG		1.23254146		3.186	15.000	
Benzo(k)fluoranthene	1.221	1.204	1.323	1.237	1.266	1.304	AVRG		1.25927487		3.745	15.000	
Benzo(a)pyrene	1.061	1.044	1.061	1.016	1.132	1.103	AVRG		1.06942364		3.904	15.000	
Indeno(1,2,3-cd)pyrene	0.790	0.726	0.675	0.745	0.825	0.811	AVRG		0.76183914		7.523	15.000	
Dibenzo(a,h)anthracene	0.870	0.830	0.740	0.792	0.843	0.826	AVRG		0.81690918		5.534	15.000	
Benzo(g,h,i)perylene	0.919	0.781	0.742	0.780	0.882	0.852	AVRG		0.82613431		8.314	15.000	
2-Fluorophenol	0.884	0.853	0.868	0.751	0.793	0.764	AVRG		0.81883748		6.919	15.000	
Phenol-D6	1.139	1.018	1.053	0.828	0.942	0.870	AVRG		0.97494729		12.021	15.000	
Nitrobenzene-D5	0.303	0.312	0.305	0.285	0.286	0.280	AVRG		0.29538846		4.424	15.000	
2-Fluorobiphenyl	1.193	1.136	1.094	1.065	1.021	0.967	AVRG		1.07929813		7.482	15.000	
2,4,6-Tribromophenol	0.197	0.227	0.197	0.225	0.198	0.186	AVRG		0.20503395		8.235	15.000	
Terphenyl-D14	0.809	0.830	0.836	0.892	1.221	1.019	AVRG		0.93455565		17.090	15.000	<

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project MIDDLE RIVER SDG No.: MID-5

Instrument ID: GCMS-X Calibration Date(s): 10/29/05 10/29/05

Column: DB5-MS ID: 0.25 (mm) Calibration Time(s): 1223 1613

Average %RSD test result.

Calculate Average %RSD: 12.40123844
Maximum Average %RSD: 15.00000000

Note: Passes Average %RSD Test.

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Lab File ID (Standard): X9006 Date Analyzed: 10/29/05

Instrument ID: GCMS-X Time Analyzed: 1223

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD		353412	8.61	1203644	11.47	750677	15.61
UPPER LIMIT		706824	9.11	2407288	11.97	1501354	16.11
LOWER LIMIT		176706	8.11	601822	10.97	375339	15.11
	CLIENT SAMPLE ID	LAB SAMPLE ID					
01	SD-16-02	WV5583-9RA	373944	8.62	1217573	11.48	616911	15.61
02	SD-19-02	WV5604-6	317476	8.62	1023072	11.48	572756	15.61
03	SD-20-SS	WV5604-7	373101	8.62	1258028	11.48	641076	15.62
04	SD-21-SS	WV5604-8	438833	8.62	1408505	11.48	687263	15.62
05	SD-22-SS	WV5604-9	416389	8.62	1526783	11.48	838917	15.62
06	SD-23-SS	WV5604-10	376432	8.62	1178793	11.48	616325	15.61
07	SD-17-SS	WV5604-2	443308	8.63	1625074	11.48	862241	15.62
08	SD-18-SS	WV5604-3	447584	8.63	1522935	11.49	776246	15.62
09	SD-19-SS	WV5604-4	373336	8.63	1205687	11.48	681974	15.62
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

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

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

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

FORM VIII SV-1

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Lab File ID (Standard): X9006 Date Analyzed: 10/29/05

Instrument ID: GCMS-X Time Analyzed: 1223

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
12 HOUR STD		1340313		19.14		1099365		25.44		788508		28.57	
UPPER LIMIT		2680626		19.64		2198730		25.94		1577016		29.07	
LOWER LIMIT		670157		18.64		549683		24.94		394254		28.07	
	CLIENT SAMPLE ID	LAB SAMPLE ID											
01	SD-16-02	WV5583-9RA		875343		19.14		381551	*	25.44		236634	* 28.58
02	SD-19-02	WV5604-6		876887		19.13		466891	*	25.44		291217	* 28.57
03	SD-20-SS	WV5604-7		999497		19.14		582714		25.44		312556	* 28.57
04	SD-21-SS	WV5604-8		1089122		19.14		590345		25.44		335252	* 28.57
05	SD-22-SS	WV5604-9		1229857		19.14		503127	*	25.43		227232	* 28.57
06	SD-23-SS	WV5604-10		1021098		19.13		406120	*	25.43		178310	* 28.58
07	SD-17-SS	WV5604-2		1273104		19.14		475262	*	25.44		206335	* 28.58
08	SD-18-SS	WV5604-3		1180410		19.14		466131	*	25.44		196971	* 28.58
09	SD-19-SS	WV5604-4		1141883		19.14		457452	*	25.44		178286	* 28.58
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													

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

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

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

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Lab File ID: XD570 DFTPP Injection Date: 10/30/05

Instrument ID: GCMS-X DFTPP Injection Time: 1808

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	53.2
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Less than 100.0% of mass 198	64.0
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	46.2
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	7.1
275	10.0 - 30.0% of mass 198	22.8
365	1.0 - 100.0% of mass 198	2.8
441	0.0 - 100.0% of mass 443	6.8 (57.2)2
442	40.0 - 100.0% of mass 198	61.1
443	17.0 - 23.0% of mass 442	11.9 (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		SSTD050X1030	X9023	10/30/05	1827
02	SD-19-01	WV5604-5	X9031	10/31/05	0023
03	SD-15-SS	WV5604-1	X9034	10/31/05	0237
04	SD-13-01	WV5583-2DL	X9036	10/31/05	0406
05	SD-13-02	WV5583-3DL	X9037	10/31/05	0451
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Instrument ID: GCMS-X Calibration Date: 10/30/05 Time: 1827

Lab File ID: X9023 Init. Calib. Date(s): 10/29/05 10/29/05

Init. Calib. Times: 1223 1613

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	0.3670000	0.3889800	0.3889800	0.01	5.99	100.00	AVRG
N-Nitrosodimethylamine	0.6510000	0.6136500	0.6136500	0.01	-5.74	100.00	AVRG
Pyridine	1.0870000	1.1336000	1.1336000	0.01	4.29	100.00	AVRG
Aniline	1.3090000	1.2608000	1.2608000	0.01	-3.68	100.00	AVRG
2,2'-Oxybis(1-Chloropropane)	2.1850000	2.0581000	2.0581000	0.01	-5.81	100.00	AVRG
Phenol	1.1880000	1.1205000	1.1205000	0.01	-5.68	20.00	AVRG
Bis(2-Chloroethyl)ether	45.486000	50.000000	0.9121800	0.01	-9.03	100.00	2RDR
2-Chlorophenol	1.0040000	0.9992500	0.9992500	0.01	-0.47	100.00	AVRG
1,3-Dichlorobenzene	1.2200000	1.2293000	1.2293000	0.01	0.76	100.00	AVRG
1,4-Dichlorobenzene	1.2240000	1.2100000	1.2100000	0.01	-1.14	20.00	AVRG
Benzyl alcohol	0.4240000	0.3402800	0.3402800	0.01	-19.74	100.00	AVRG
2-Methylphenol	0.8110000	0.7063500	0.7063500	0.01	-12.90	100.00	AVRG
1,2-Dichlorobenzene	1.1260000	1.0682000	1.0682000	0.01	-5.13	100.00	AVRG
N-Nitroso-di-n-propylamine	0.7460000	0.6906900	0.6906900	0.05	-7.41	100.00	AVRG
3&4-Methylphenol	0.8350000	0.7586400	0.7586400	0.01	-9.14	100.00	AVRG
Hexachloroethane	46.198000	50.000000	0.4691500	0.01	-7.60	100.00	2RDR
Nitrobenzene	0.2950000	0.2860000	0.2860000	0.01	-3.05	100.00	AVRG
Isophorone	0.5080000	0.4804900	0.4804900	0.01	-5.42	100.00	AVRG
2-Nitrophenol	0.1760000	0.1791000	0.1791000	0.01	1.76	20.00	AVRG
2,4-Dimethylphenol	0.2710000	0.2620400	0.2620400	0.01	-3.31	100.00	AVRG
Bis(2-Chloroethoxy)methane	0.3510000	0.3144400	0.3144400	0.01	-10.42	100.00	AVRG
Benzoic acid	33.055000	50.000000	5.4e-002	0.01	33.89	100.00	2RDR
2,4-Dichlorophenol	0.2460000	0.2276400	0.2276400	0.01	-7.46	20.00	AVRG
1,2,4-Trichlorobenzene	0.2980000	0.2907200	0.2907200	0.01	-2.44	100.00	AVRG
Naphthalene	0.7860000	0.7733300	0.7733300	0.01	-1.61	100.00	AVRG
4-Chloroaniline	40.890000	50.000000	0.2760300	0.01	-18.22	100.00	2RDR
Hexachlorobutadiene	0.1780000	0.1864200	0.1864200	0.01	4.73	20.00	AVRG
4-Chloro-3-Methylphenol	0.2300000	0.1899800	0.1899800	0.01	-17.40	20.00	AVRG
2-Methylnaphthalene	0.5080000	0.4614700	0.4614700	0.01	-9.16	100.00	AVRG

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Instrument ID: GCMS-X Calibration Date: 10/30/05 Time: 1827

Lab File ID: X9023 Init. Calib. Date(s): 10/29/05 10/29/05

Init. Calib. Times: 1223 1613

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	0.4870000	0.4513800	0.4513800	0.01	-7.31	100.00	AVRG
Hexachlorocyclopentadiene	0.1580000	0.1759000	0.1759000	0.05	11.33	100.00	AVRG
2,4,6-Trichlorophenol	0.3380000	0.3447200	0.3447200	0.01	1.99	20.00	AVRG
2,4,5-Trichlorophenol	0.3600000	0.3469200	0.3469200	0.01	-3.63	100.00	AVRG
2-Chloronaphthalene	0.3550000	0.3952700	0.3952700	0.01	11.34	100.00	AVRG
2-Nitroaniline	0.3440000	0.3412400	0.3412400	0.01	-0.80	100.00	AVRG
Dimethyl Phthalate	1.0450000	0.9573300	0.9573300	0.01	-8.39	100.00	AVRG
2,6-Dinitrotoluene	0.2490000	0.2380200	0.2380200	0.01	-4.41	100.00	AVRG
Acenaphthylene	1.4230000	1.4506000	1.4506000	0.01	1.94	100.00	AVRG
3-Nitroaniline	0.2450000	0.2016600	0.2016600	0.01	-17.69	100.00	AVRG
Acenaphthene	0.9340000	0.9592000	0.9592000	0.01	2.70	20.00	AVRG
2,4-Dinitrophenol	38.044000	50.000000	0.1108600	0.05	-23.91	100.00	LINR
Dibenzofuran	1.2840000	1.2863000	1.2863000	0.01	0.18	100.00	AVRG
4-Nitrophenol	39.997000	50.000000	7.78e-002	0.05	-20.01	100.00	LINR
2,4-Dinitrotoluene	0.3420000	0.2822200	0.2822200	0.01	-17.48	100.00	AVRG
Diethylphthalate	1.0530000	0.9012100	0.9012100	0.01	-14.42	100.00	AVRG
Fluorene	1.0080000	0.9677900	0.9677900	0.01	-3.99	100.00	AVRG
4-Chlorophenyl-phenylether	0.5530000	0.5149000	0.5149000	0.01	-6.89	100.00	AVRG
4-Nitroaniline	0.2300000	0.1805300	0.1805300	0.01	-21.51	100.00	AVRG
4,6-Dinitro-2-Methylphenol	44.808000	50.000000	0.1114500	0.01	-10.38	100.00	LINR
N-Nitrosodiphenylamine	0.4900000	0.5209400	0.5209400	0.01	6.31	20.00	AVRG
Azobenzene	0.5900000	0.6333300	0.6333300	0.01	7.34	100.00	AVRG
4-Bromophenyl-phenylether	0.2120000	0.2064900	0.2064900	0.01	-2.60	100.00	AVRG
Hexachlorobenzene	0.2620000	0.2511700	0.2511700	0.01	-4.13	100.00	AVRG
Pentachlorophenol	0.1040000	0.1087400	0.1087400	0.01	4.56	20.00	AVRG
Phenanthrene	0.8420000	0.8333900	0.8333900	0.01	-1.02	100.00	AVRG
Anthracene	0.8090000	0.8258000	0.8258000	0.01	2.08	100.00	AVRG
Carbazole	0.6740000	0.6387500	0.6387500	0.01	-5.23	100.00	AVRG
Di-n-butylphthalate	0.9430000	0.8674800	0.8674800	0.01	-8.01	100.00	AVRG

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Instrument ID: GCMS-X Calibration Date: 10/30/05 Time: 1827

Lab File ID: X9023 Init. Calib. Date(s): 10/29/05 10/29/05

Init. Calib. Times: 1223 1613

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
Fluoranthene	0.8120000	0.7657400	0.7657400	0.01	-5.70	20.00	AVRG
Benzidine	0.2280000	0.2184400	0.2184400	0.01	-4.19	100.00	AVRG
Pyrene	1.3230000	1.1098000	1.1098000	0.01	-16.12	100.00	AVRG
Butylbenzylphthalate	0.5150000	0.4687700	0.4687700	0.01	-8.98	100.00	AVRG
Benzo(a)anthracene	0.9610000	0.8750600	0.8750600	0.01	-8.94	100.00	AVRG
3,3'-Dichlorobenzidine	0.3130000	0.2976300	0.2976300	0.01	-4.91	100.00	AVRG
Chrysene	0.9350000	0.8842400	0.8842400	0.01	-5.43	100.00	AVRG
bis(2-Ethylhexyl)phthalate	0.6930000	0.6462100	0.6462100	0.01	-6.75	100.00	AVRG
Di-n-octylphthalate	45.836000	50.000000	1.3175000	0.01	-8.33	20.00	2RDR
Benzo(b)fluoranthene	1.2330000	1.1863000	1.1863000	0.01	-3.79	100.00	AVRG
Benzo(k)fluoranthene	1.2590000	1.1935000	1.1935000	0.01	-5.20	100.00	AVRG
Benzo(a)pyrene	1.0700000	0.9811300	0.9811300	0.01	-8.30	20.00	AVRG
Indeno(1,2,3-cd)pyrene	0.7620000	0.7598600	0.7598600	0.01	-0.28	100.00	AVRG
Dibenzo(a,h)anthracene	0.8170000	0.8345500	0.8345500	0.01	2.15	100.00	AVRG
Benzo(g,h,i)perylene	0.8260000	0.8383000	0.8383000	0.01	1.49	100.00	AVRG
2-Fluorophenol	0.8190000	0.8644000	0.8644000	0.01	5.54	100.00	AVRG
Phenol-D6	0.9750000	0.9336800	0.9336800	0.01	-4.24	100.00	AVRG
Nitrobenzene-D5	0.2950000	0.3039800	0.3039800	0.01	3.04	100.00	AVRG
2-Fluorobiphenyl	1.0790000	1.1868000	1.1868000	0.01	9.99	100.00	AVRG
2,4,6-Tribromophenol	0.2050000	0.1682200	0.1682200	0.01	-17.94	100.00	AVRG
Terphenyl-D14	0.9340000	0.7690100	0.7690100	0.01	-17.66	100.00	AVRG

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Lab File ID (Standard): X9023 Date Analyzed: 10/30/05

Instrument ID: GCMS-X Time Analyzed: 1827

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD		446069	8.57	1347878	11.42	601754	15.56
UPPER LIMIT		892138	9.07	2695756	11.92	1203508	16.06
LOWER LIMIT		223035	8.07	673939	10.92	300877	15.06
	CLIENT SAMPLE ID	LAB SAMPLE ID					
01	SD-19-01	WV5604-5	444850	8.56	1564307	11.42	697444	15.55
02	SD-15-SS	WV5604-1	397969	8.56	1261396	11.42	675455	15.55
03	SD-13-01	WV5583-2DL	492046	8.57	1653473	11.42	816057	15.56
04	SD-13-02	WV5583-3DL	473150	8.57	1703095	11.42	799904	15.56
05								
06								
07								
08								
09								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

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

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

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

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Lab File ID (Standard): X9023 Date Analyzed: 10/30/05

Instrument ID: GCMS-X Time Analyzed: 1827

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
12 HOUR STD		869466		19.08		631312		25.38		488638		28.51	
UPPER LIMIT		1738932		19.58		1262624		25.88		977276		29.01	
LOWER LIMIT		434733		18.58		315656		24.88		244319		28.01	
	CLIENT SAMPLE ID	LAB SAMPLE ID											
01	SD-19-01	WV5604-5		1002073		19.07		400407		25.37		243211*	28.50
02	SD-15-SS	WV5604-1		940595		19.07		224081*		25.37		114156*	28.50
03	SD-13-01	WV5583-2DL		916869		19.08		202458*		25.38		122868*	28.51
04	SD-13-02	WV5583-3DL		847421		19.08		193888*		25.37		103574*	28.51
05													
06													
07													
08													
09													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													

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

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

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

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Lab File ID: XD572 DFTPP Injection Date: 11/01/05

Instrument ID: GCMS-X DFTPP Injection Time: 1434

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	46.0
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Less than 100.0% of mass 198	54.6
70	Less than 2.0% of mass 69	0.2 (0.4)1
127	40.0 - 60.0% of mass 198	44.7
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	8.4
275	10.0 - 30.0% of mass 198	17.3
365	1.0 - 100.0% of mass 198	2.6
441	0.0 - 100.0% of mass 443	8.4 (92.0)2
442	40.0 - 100.0% of mass 198	44.2
443	17.0 - 23.0% of mass 442	9.1 (20.5)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		SSTD050X1101	X9053	11/01/05	1505
02	SD-16-01	WV5583-8DL	X9065	11/01/05	2359
03					
04					
05					
06					
07					
08					
09					
10					
11					
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: MIDDLE RIVER SDG No.: MID-5

Instrument ID: GCMS-X Calibration Date: 11/01/05 Time: 1505

Lab File ID: X9053 Init. Calib. Date(s): 10/29/05 10/29/05

Init. Calib. Times: 1223 1613

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	0.3670000	0.3161800	0.3161800	0.01	-13.85	100.00	AVRG
N-Nitrosodimethylamine	0.6510000	0.6026800	0.6026800	0.01	-7.42	100.00	AVRG
Pyridine	1.0870000	0.9055800	0.9055800	0.01	-16.69	100.00	AVRG
Aniline	1.3090000	1.2898000	1.2898000	0.01	-1.47	100.00	AVRG
2,2'-Oxybis(1-Chloropropane)	2.1850000	1.1076000	1.1076000	0.01	-49.31	100.00	AVRG
Phenol	1.1880000	1.1352000	1.1352000	0.01	-4.44	20.00	AVRG
Bis(2-Chloroethyl)ether	43.127000	50.000000	0.8734300	0.01	-13.75	100.00	2RDR
2-Chlorophenol	1.0040000	0.9831600	0.9831600	0.01	-2.08	100.00	AVRG
1,3-Dichlorobenzene	1.2200000	1.1965000	1.1965000	0.01	-1.93	100.00	AVRG
1,4-Dichlorobenzene	1.2240000	1.2460000	1.2460000	0.01	1.80	20.00	AVRG
Benzyl alcohol	0.4240000	0.4189800	0.4189800	0.01	-1.18	100.00	AVRG
2-Methylphenol	0.8110000	0.5586400	0.5586400	0.01	-31.12	100.00	AVRG
1,2-Dichlorobenzene	1.1260000	1.1566000	1.1566000	0.01	2.72	100.00	AVRG
N-Nitroso-di-n-propylamine	0.7460000	0.7032300	0.7032300	0.05	-5.73	100.00	AVRG
3&4-Methylphenol	0.8350000	0.8447100	0.8447100	0.01	1.16	100.00	AVRG
Hexachloroethane	46.336000	50.000000	0.4701700	0.01	-7.33	100.00	2RDR
Nitrobenzene	0.2950000	0.2647800	0.2647800	0.01	-10.24	100.00	AVRG
Isophorone	0.5080000	0.4914800	0.4914800	0.01	-3.25	100.00	AVRG
2-Nitrophenol	0.1760000	0.1770400	0.1770400	0.01	0.59	20.00	AVRG
2,4-Dimethylphenol	0.2710000	0.2487000	0.2487000	0.01	-8.23	100.00	AVRG
Bis(2-Chloroethoxy)methane	0.3510000	0.3074400	0.3074400	0.01	-12.41	100.00	AVRG
Benzoic acid	16.185000	50.000000	2.07e-002	0.01	-67.63	100.00	2RDR
2,4-Dichlorophenol	0.2460000	0.2622500	0.2622500	0.01	6.60	20.00	AVRG
1,2,4-Trichlorobenzene	0.2980000	0.2897100	0.2897100	0.01	-2.78	100.00	AVRG
Naphthalene	0.7860000	0.7561200	0.7561200	0.01	-3.80	100.00	AVRG
4-Chloroaniline	44.624000	50.000000	0.2958200	0.01	-10.75	100.00	2RDR
Hexachlorobutadiene	0.1780000	0.1548400	0.1548400	0.01	-13.01	20.00	AVRG
4-Chloro-3-Methylphenol	0.2300000	0.2288600	0.2288600	0.01	-0.50	20.00	AVRG
2-Methylnaphthalene	0.5080000	0.5048200	0.5048200	0.01	-0.62	100.00	AVRG

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Instrument ID: GCMS-X Calibration Date: 11/01/05 Time: 1505

Lab File ID: X9053 Init. Calib. Date(s): 10/29/05 10/29/05

Init. Calib. Times: 1223 1613

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	0.4870000	0.4833900	0.4833900	0.01	-0.74	100.00	AVRG
Hexachlorocyclopentadiene	0.1580000	0.1242800	0.1242800	0.05	-21.34	100.00	AVRG
2,4,6-Trichlorophenol	0.3380000	0.3634600	0.3634600	0.01	7.53	20.00	AVRG
2,4,5-Trichlorophenol	0.3600000	0.3634600	0.3634600	0.01	0.96	100.00	AVRG
2-Chloronaphthalene	0.3550000	0.3200000	0.3200000	0.01	-9.86	100.00	AVRG
2-Nitroaniline	0.3440000	0.3217000	0.3217000	0.01	-6.48	100.00	AVRG
Dimethyl Phthalate	1.0450000	1.0821000	1.0821000	0.01	3.55	100.00	AVRG
2,6-Dinitrotoluene	0.2490000	0.2547000	0.2547000	0.01	2.29	100.00	AVRG
Acenaphthylene	1.4230000	1.4895000	1.4895000	0.01	4.67	100.00	AVRG
3-Nitroaniline	0.2450000	0.2353100	0.2353100	0.01	-3.96	100.00	AVRG
Acenaphthene	0.9340000	0.9427300	0.9427300	0.01	0.93	20.00	AVRG
2,4-Dinitrophenol	47.027000	50.000000	0.1423400	0.05	-5.95	100.00	LINR
Dibenzofuran	1.2840000	1.3718000	1.3718000	0.01	6.84	100.00	AVRG
4-Nitrophenol	50.572000	50.000000	9.91e-002	0.05	1.14	100.00	LINR
2,4-Dinitrotoluene	0.3420000	0.3370000	0.3370000	0.01	-1.46	100.00	AVRG
Diethylphthalate	1.0530000	1.0316000	1.0316000	0.01	-2.03	100.00	AVRG
Fluorene	1.0080000	1.0413000	1.0413000	0.01	3.30	100.00	AVRG
4-Chlorophenyl-phenylether	0.5530000	0.5284300	0.5284300	0.01	-4.44	100.00	AVRG
4-Nitroaniline	0.2300000	0.2201900	0.2201900	0.01	-4.26	100.00	AVRG
4,6-Dinitro-2-Methylphenol	50.644000	50.000000	0.1265300	0.01	1.29	100.00	LINR
N-Nitrosodiphenylamine	0.4900000	0.5619700	0.5619700	0.01	14.69	20.00	AVRG
Azobenzene	0.5900000	0.6072500	0.6072500	0.01	2.92	100.00	AVRG
4-Bromophenyl-phenylether	0.2120000	0.1962200	0.1962200	0.01	-7.44	100.00	AVRG
Hexachlorobenzene	0.2620000	0.2103200	0.2103200	0.01	-19.72	100.00	AVRG
Pentachlorophenol	0.1040000	9.14e-002	9.14e-002	0.01	-12.12	20.00	AVRG
Phenanthrene	0.8420000	0.8908200	0.8908200	0.01	5.80	100.00	AVRG
Anthracene	0.8090000	0.8908200	0.8908200	0.01	10.11	100.00	AVRG
Carbazole	0.6740000	0.6655500	0.6655500	0.01	-1.25	100.00	AVRG
Di-n-butylphthalate	0.9430000	0.9801100	0.9801100	0.01	3.94	100.00	AVRG

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Instrument ID: GCMS-X Calibration Date: 11/01/05 Time: 1505

Lab File ID: X9053 Init. Calib. Date(s): 10/29/05 10/29/05

Init. Calib. Times: 1223 1613

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	
Fluoranthene	0.8120000	0.6734900	0.6734900	0.01	-17.06	20.00	AVRG	
Benzidine	0.2280000	0.2020900	0.2020900	0.01	-11.36	100.00	AVRG	
Pyrene	1.3230000	1.9671000	1.9671000	0.01	48.68	100.00	AVRG	
Butylbenzylphthalate	0.5150000	0.7073000	0.7073000	0.01	37.34	100.00	AVRG	
Benzo(a)anthracene	0.9610000	0.9772100	0.9772100	0.01	1.69	100.00	AVRG	
3,3'-Dichlorobenzidine	0.3130000	0.2371100	0.2371100	0.01	-24.25	100.00	AVRG	
Chrysene	0.9350000	0.9772100	0.9772100	0.01	4.51	100.00	AVRG	
bis(2-Ethylhexyl)phthalate	0.6930000	0.9036800	0.9036800	0.01	30.40	100.00	AVRG	
Di-n-octylphthalate	69.549000	50.000000	2.0748000	0.01	39.10	20.00	2RDR	<-
Benzo(b)fluoranthene	1.2330000	1.3314000	1.3314000	0.01	7.98	100.00	AVRG	
Benzo(k)fluoranthene	1.2590000	1.3860000	1.3860000	0.01	10.09	100.00	AVRG	
Benzo(a)pyrene	1.0700000	0.9845100	0.9845100	0.01	-7.99	20.00	AVRG	
Indeno(1,2,3-cd)pyrene	0.7620000	0.6048100	0.6048100	0.01	-20.63	100.00	AVRG	
Dibenzo(a,h)anthracene	0.8170000	0.6014400	0.6014400	0.01	-26.38	100.00	AVRG	
Benzo(g,h,i)perylene	0.8260000	0.7201900	0.7201900	0.01	-12.81	100.00	AVRG	
2-Fluorophenol	0.8190000	0.7768500	0.7768500	0.01	-5.15	100.00	AVRG	
Phenol-D6	0.9750000	0.9325700	0.9325700	0.01	-4.35	100.00	AVRG	
Nitrobenzene-D5	0.2950000	0.2792500	0.2792500	0.01	-5.34	100.00	AVRG	
2-Fluorobiphenyl	1.0790000	1.0964000	1.0964000	0.01	1.61	100.00	AVRG	
2,4,6-Tribromophenol	0.2050000	0.1129400	0.1129400	0.01	-44.91	100.00	AVRG	
Terphenyl-D14	0.9340000	1.1147000	1.1147000	0.01	19.35	100.00	AVRG	

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Lab File ID (Standard): X9053 Date Analyzed: 11/01/05

Instrument ID: GCMS-X Time Analyzed: 1505

		IS1 (DCB)		IS2 (NPT)		IS3 (ANT)	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		607597	8.46	2151009	11.33	1197752	15.45
UPPER LIMIT		1215194	8.96	4302018	11.83	2395504	15.95
LOWER LIMIT		303799	7.96	1075505	10.83	598876	14.95
	CLIENT SAMPLE ID	LAB SAMPLE ID					
01	SD-16-01	WV5583-8DL	645866	8.47	2400049	11.32	1367188	15.45
02								
03								
04								
05								
06								
07								
08								
09								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

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

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

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

FORM VIII SV-1

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-5

Lab File ID (Standard): X9053 Date Analyzed: 11/01/05

Instrument ID: GCMS-X Time Analyzed: 1505

		IS4 (PHN) AREA	#	RT	#	IS5 (CRY) AREA	#	RT	#	IS6 (PRY) AREA	#	RT	#
12 HOUR STD		1814612		18.97		620151		25.25		298736		28.37	
UPPER LIMIT		3629224		19.47		1240302		25.75		597472		28.87	
LOWER LIMIT		907306		18.47		310076		24.75		149368		27.87	
	CLIENT SAMPLE ID	LAB SAMPLE ID											
01	SD-16-01	WV5583-8DL		1606552		18.96		415310		25.25		216493	28.38
02													
03													
04													
05													
06													
07													
08													
09													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													

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

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

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

FORM VIII SV-2

TETRA TECH NUS, INC. **CALCULATION WORKSHEET** PAGE _____ OF _____

CLIENT Lockheed Middle River		JOB NUMBER Job -00275 SDG- MID-5	
SUBJECT Sample Calculation			
BASED ON		DRAWING NUMBER	
BY Bernard F Spada III	CHECKED BY	APPROVED BY 11/16/05 JAS	DATE 11/16/05

Sample SD-13-01

Pyrene = 24000 ug/kg

$$\text{Pyrene} = \frac{(767572)(40\ ng/\mu L)(1000\ \mu L)(2)}{(202458)(1.3226)(30g)(0.323)} = 23666\ ng/g = ug/kg$$

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date: 10/25/05
Analysis Date: 31-OCT-2005 04:06
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 32.3

Lab ID: WV5583-2DL
Client ID: SD-13-01
SDG: MID-5
Extracted by: GN
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG21993
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
121-14-2	2,4-Dinitrotoluene	U	2000	2.0	330	2000	600
84-66-2	Diethylphthalate	U	2000	2.0	330	2000	640
86-73-7	Fluorene	J	660	2.0	330	2000	330
7005-72-3	4-Chlorophenyl-phenylether	U	2000	2.0	330	2000	310
100-01-6	4-Nitroaniline	U	5100	2.0	820	5100	530
534-52-1	4,6-Dinitro-2-Methylphenol	U	5100	2.0	820	5100	1300
86-30-6	N-Nitrosodiphenylamine	U	2000	2.0	330	2000	450
103-33-3	Azobenzene	U	2000	2.0	330	2000	1000
101-55-3	4-Bromophenyl-phenylether	U	2000	2.0	330	2000	340
118-74-1	Hexachlorobenzene	U	2000	2.0	330	2000	1400
87-86-5	Pentachlorophenol	U	5100	2.0	820	5100	870
85-01-8	Phenanthrene		7800	2.0	330	2000	360
120-12-7	Anthracene	J	1500	2.0	330	2000	360
86-74-8	Carbazole	J	1000	2.0	330	2000	370
84-74-2	Di-n-butylphthalate	U	2000	2.0	330	2000	520
206-44-0	Fluoranthene		11000	2.0	330	2000	440
92-87-5	Benzidine	U	5100	2.0	820	5100	2500
129-00-0	Pyrene		24000	2.0	330	2000	450
85-68-7	Butylbenzylphthalate	J	1200	2.0	330	2000	420
56-55-3	Benzo(a)anthracene		7200	2.0	330	2000	360
91-94-1	3,3'-Dichlorobenzidine	U	2000	2.0	330	2000	830
218-01-9	Chrysene		9100	2.0	330	2000	410
117-81-7	bis(2-Ethylhexyl)phthalate		3500	2.0	330	2000	460
117-84-0	Di-n-octylphthalate	U	2000	2.0	330	2000	460
205-99-2	Benzo(b)fluoranthene		10000	2.0	330	2000	400
207-08-9	Benzo(k)fluoranthene		4400	2.0	330	2000	360
50-32-8	Benzo(a)pyrene		7400	2.0	330	2000	280
193-39-5	Indeno(1,2,3-cd)pyrene		6900	2.0	330	2000	820
53-70-3	Dibenzo(a,h)anthracene	J	1200	2.0	330	2000	870
191-24-2	Benzo(g,h,i)perylene		5300	2.0	330	2000	800
367-12-4	2-Fluorophenol		80%				
13127-88-3	Phenol-D6		77%				
4165-60-0	Nitrobenzene-D5		70%				
321-60-8	2-Fluorobiphenyl		76%				
118-79-6	2,4,6-Tribromophenol		49%				
1718-51-0	Terphenyl-D14		101%				

Data File: \\Target_server\GG\chem\gcms-x.i\X103005.b\X9036.D
Report Date: 31-Oct-2005 11:26

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-x.i\X103005.b\X9036.D
Lab Smp Id: WV5583-2DL Client Smp ID: SD-13-01
Inj Date : 31-OCT-2005 04:06 MS Autotune Date: 01-SEP-2005 09:03
Operator : JCG Inst ID: gcms-x.i
Smp Info : WV5583-2DL
Misc Info : SW846 8270C
Comment :
Method : \\Target_server\GG\chem\gcms-x.i\X103005.b\x8270C49.m
Meth Date : 31-Oct-2005 08:17 cgomez Quant Type: ISTD
Cal Date : 29-OCT-2005 16:13 Cal File: X9011.D
Als bottle: 15
Dil Factor: 2.00000
Integrator: HP RTE Compound Sublist: tetratmid002.sub
Target Version: 4.12
Processing Host: TARGET06

Concentration Formula: Amt * DF * 1000*(Vt/Ws*Vi)*(100/(100-M)) * CpndVariab

Name	Value	Description
DF	2.000	Dilution Factor
Vt	0.00100	Volume of final extract (L)
Ws	0.03000	Weight of sample extracted (Kg)
Vi	1.000	Volume injected (uL)
M	67.717	% Moisture
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
$	7 2-Fluorophenol	112	5.873	5.883	(0.686)	404372	40.1456	8290
$	12 Phenol-D6	99	7.934	7.934	(0.926)	462292	38.5469	7960
*	18 1,4-Dichlorobenzene-D4	152	8.566	8.566	(1.000)	492046	40.0000	
	19 1,4-Dichlorobenzene	146	8.595	8.605	(1.003)	12706	0.84409	174(a)
$	33 Nitrobenzene-D5	82	9.801	9.820	(0.858)	213913	17.5189	3620
*	44 Naphthalene-D8	136	11.424	11.424	(1.000)	1653473	40.0000	
	45 Naphthalene	128	11.463	11.473	(1.003)	81924	2.52178	521(a)
	56 2-Methylnaphthalene	142	13.106	13.116	(1.147)	36090	1.71738	355(a)
$	62 2-Fluorobiphenyl	172	14.039	14.049	(0.903)	417238	18.9488	3910
*	77 Acenaphthene-D10	164	15.556	15.556	(1.000)	816057	40.0000	
	79 Acenaphthene	153	15.624	15.633	(1.004)	64575	3.38794	700(a)
	82 Dibenzofuran	168	16.052	16.052	(1.032)	51939	1.98288	409(a)
	90 Fluorene	166	16.859	16.868	(1.084)	65808	3.19903	661(a)
$	100 2,4,6-Tribromophenol	330	17.442	17.442	(1.121)	102473	24.4976	5060
*	114 Phenanthrene-D10	188	19.075	19.075	(1.000)	916869	40.0000	
	115 Phenanthrene	178	19.124	19.124	(1.003)	733663	38.0069	7850
	118 Anthracene	178	19.241	19.250	(1.009)	134399	7.24825	1500(a)
	119 Carbazole	167	19.707	19.707	(1.033)	75661	4.89635	1010(a)
	126 Fluoranthene	202	21.963	21.953	(1.151)	1019110	54.7735	11300
	128 Pyrene	202	22.468	22.458	(0.885)	767572	114.661	23700

Data File: \\Target_server\GG\chem\gcms-x.i\X103005.b\X9036.D
Report Date: 31-Oct-2005 11:26

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
$ 129 Terphenyl-D14	244	23.003	23.002	(0.907)	119001	25.1577	5200
136 Butylbenzylphthalate	149	24.305	24.305	(0.958)	14901	5.72054	1180(a)
139 Benzo(a)anthracene	228	25.355	25.355	(0.999)	168359	34.6156	7150
* 140 Chrysene-D12	240	25.375	25.375	(1.000)	202458	40.0000	
142 Chrysene	228	25.433	25.433	(1.002)	207563	43.8676	9060
143 bis(2-Ethylhexyl)phthalate	149	25.793	25.793	(1.016)	58991	16.8091	3470
145 Benzo(b)fluoranthene	252	27.747	27.747	(0.973)	192844	50.9361	10500
147 Benzo(k)fluoranthene	252	27.796	27.805	(0.975)	82190	21.2481	4390(H)
148 Benzo(a)pyrene	252	28.389	28.388	(0.996)	117399	35.7385	7380
* 150 Perylene-D12	264	28.505	28.505	(1.000)	122868	40.0000	
153 Indeno(1,2,3-cd)pyrene	276	30.488	30.478	(1.070)	78433	33.5164	6920(H)
154 Dibenzo(a,h)anthracene	278	30.537	30.537	(1.071)	14817	5.90483	1220(a)
155 Benzo(g,h,i)perylene	276	30.916	30.906	(1.085)	65146	25.6719	5300

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project MIDDLE RIVER SDG No.: MID-5

Instrument ID: GCMS-X Calibration Date(s): 10/29/05 10/29/05

Column: DB5-MS ID: 0.25 (mm) Calibration Time(s): 1223 1613

LAB FILE ID: RF10: X9011 RF25: X9010 RF50: X9006
RF100: X9009 RF125: X9008 RF150: X9007

COMPOUND	RF10	RF25	RF50	RF100	RF125	RF150	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2	
Diethylphthalate	1.064	1.082	1.144	0.983	1.065	0.978	AVRG		1.05279185		6.003	15.000	
Fluorene	1.101	1.073	1.118	0.968	0.960	0.830	AVRG		1.00832418		10.901	15.000	
4-Chlorophenyl-phenylethe	0.613	0.577	0.578	0.535	0.531	0.483	AVRG		0.55280664		8.286	15.000	
4-Nitroaniline	0.214	0.214	0.272	0.219	0.240	0.218	AVRG		0.22965939		10.044	15.000	
4,6-Dinitro-2-Methylpheno	21418	68051	213980	351020	650340	981700	LINR	4.223e-002	7.73782906		0.99916	0.99000	
N-Nitrosodiphenylamine	0.520	0.523	0.525	0.458	0.468	0.443	AVRG		0.48958510		7.641	15.000	
Azobenzene	0.628	0.600	0.581	0.537	0.581	0.614	AVRG		0.59025849		5.426	15.000	
4-Bromophenyl-phenylether	0.250	0.221	0.214	0.213	0.190	0.182	AVRG		0.21146296		11.453	15.000	
Hexachlorobenzene	0.294	0.289	0.261	0.261	0.237	0.232	AVRG		0.26265862		9.734	15.000	
Pentachlorophenol	0.073	0.110	0.111	0.111	0.110	0.112	AVRG		0.10448754		14.561	15.000	
Phenanthrene	0.939	0.897	0.891	0.795	0.786	0.746	AVRG		0.84214505		9.093	15.000	
Anthracene	0.953	0.909	0.908	0.793	0.699	0.591	AVRG		0.80893828		17.534	15.000	<
Carbazole	0.714	0.709	0.795	0.641	0.621	0.564	AVRG		0.67414394		12.160	15.000	
Di-n-butylphthalate	0.928	1.023	1.084	0.900	0.874	0.848	AVRG		0.94288962		9.709	15.000	
Fluoranthene	0.875	0.910	0.930	0.809	0.708	0.638	AVRG		0.81171407		14.396	15.000	
Benzidine	0.198	0.226	0.321	0.201	0.214	0.208	AVRG		0.22810603		20.501	15.000	<
Pyrene	1.207	1.116	1.233	1.187	1.665	1.528	AVRG		1.32259520		16.624	15.000	<
Butylbenzylphthalate	0.462	0.486	0.553	0.454	0.591	0.542	AVRG		0.51463995		10.786	15.000	
Benzo(a)anthracene	0.930	0.948	1.010	0.903	1.034	0.941	AVRG		0.96092368		5.227	15.000	
3,3'-Dichlorobenzidine	0.299	0.331	0.340	0.307	0.310	0.290	AVRG		0.31301585		6.148	15.000	
Chrysene	0.977	0.961	0.928	0.882	0.978	0.883	AVRG		0.93482747		4.767	15.000	
bis(2-Ethylhexyl)phthalat	0.627	0.652	0.762	0.606	0.767	0.745	AVRG		0.69337204		10.491	15.000	
Di-n-octylphthalate	187970	552280	1693800	1769300	1934200	3498300	2ORDR	-1.94e-003	0.74187120	-2.73e-002	0.99345	0.99000	
Benzo(b)fluoranthene	1.232	1.200	1.268	1.176	1.242	1.278	AVRG		1.23254146		3.186	15.000	
Benzo(k)fluoranthene	1.221	1.204	1.323	1.237	1.266	1.304	AVRG		1.25927487		3.745	15.000	
Benzo(a)pyrene	1.061	1.044	1.061	1.016	1.132	1.103	AVRG		1.06942364		3.904	15.000	
Indeno(1,2,3-cd)pyrene	0.790	0.726	0.675	0.745	0.825	0.811	AVRG		0.76183914		7.523	15.000	
Dibenzo(a,h)anthracene	0.870	0.830	0.740	0.792	0.843	0.826	AVRG		0.81690918		5.534	15.000	
Benzo(g,h,i)perylene	0.919	0.781	0.742	0.780	0.882	0.852	AVRG		0.82613431		8.314	15.000	
2-Fluorophenol	0.884	0.853	0.868	0.751	0.793	0.764	AVRG		0.81883748		6.919	15.000	
Phenol-D6	1.139	1.018	1.053	0.828	0.942	0.870	AVRG		0.97494729		12.021	15.000	
Nitrobenzene-D5	0.303	0.312	0.305	0.285	0.286	0.280	AVRG		0.29538846		4.424	15.000	
2-Fluorobiphenyl	1.193	1.136	1.094	1.065	1.021	0.967	AVRG		1.07929813		7.482	15.000	
2,4,6-Tribromophenol	0.197	0.227	0.197	0.225	0.198	0.186	AVRG		0.20503395		8.235	15.000	
Terphenyl-D14	0.809	0.830	0.836	0.892	1.221	1.019	AVRG		0.93455565		17.090	15.000	<

FORM 8
SEMIVOLATILE ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: MIDDLE RIVER SDG No.: MID-5

GC Column: RTX-5 ID: 0.53 (mm) Init. Calib. Date(s): 10/10/05 10/11/05

Instrument ID: GC06

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 6.06 DCB: 19.29

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01		AR1660 1.0PP	10/10/05	2034	6.06	19.29
02		AR1660 0.05P	10/10/05	2103	6.05	19.30
03		AR1660 0.1PP	10/10/05	2131	6.06	19.30
04		AR1660 0.25P	10/10/05	2159	6.06	19.29
05		AR1660 2.5PP	10/10/05	2228	6.06	19.29
06		AR1660 10PPM	10/10/05	2256	6.06	19.29
07		AR1016 1.0PP	10/10/05	2325		
08		AR1260 1.0PP	10/10/05	2353		
09		AR1242 1.0PP	10/11/05	0021		
10		AR1248 1.0PP	10/11/05	0311		
11		AR1254 1.0PP	10/11/05	0601		
12		AR1221 1.0PP	10/11/05	0851		
13		AR1232 1.0PP	10/11/05	0919		
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QC LIMITS
TCX = Tetrachloro-m-xylene (+/- 0.07 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII PEST

FORM 8
SEMIVOLATILE ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: MIDDLE RIVER SDG No.: MID-5

GC Column: RTX-35 ID: 0.53 (mm) Init. Calib. Date(s): 10/10/05 10/11/05

Instrument ID: GC06

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

	MEAN SURROGATE RT FROM INITIAL CALIBRATION TCX: 4.84 DCB: 18.20					
	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01		AR1660 1.0PP	10/10/05	2034	4.84	18.20
02		AR1660 0.05P	10/10/05	2103	4.84	18.20
03		AR1660 0.1PP	10/10/05	2131	4.84	18.20
04		AR1660 0.25P	10/10/05	2159	4.84	18.20
05		AR1660 2.5PP	10/10/05	2228	4.84	18.20
06		AR1660 10PPM	10/10/05	2256	4.84	18.20
07		AR1016 1.0PP	10/10/05	2325		
08		AR1260 1.0PP	10/10/05	2353		
09		AR1242 1.0PP	10/11/05	0021		
10		AR1248 1.0PP	10/11/05	0311		
11		AR1254 1.0PP	10/11/05	0601		
12		AR1221 1.0PP	10/11/05	0851		
13		AR1232 1.0PP	10/11/05	0919		
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QC LIMITS

TCX = Tetrachloro-m-xylene (+/- 0.07 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM VIII PEST

FORM 8
SEMIVOLATILE ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: MIDDLE RIVER SDG No.: MID-5

GC Column: RTX-5 ID: 0.53 (mm) Init. Calib. Date(s): 10/10/05 10/11/05

Instrument ID: GC06

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 6.53 DCB: 19.82

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01		AR1660 1.0PP	10/27/05	1236	6.53	19.82
02	WG21992-BLAN	WG21992-1RA	10/27/05	1805	6.53	19.82
03	WG21992-LCS	WG21992-2RA	10/27/05	1834	6.52	19.81
04	WG21992-LCSD	WG21992-3RA	10/27/05	1902	6.53	19.81
05	SD-13-SS	WV5583-1RA	10/27/05	2123	6.52	19.81
06	SD-13-01	WV5583-2RA	10/27/05	2151	6.52	19.81
07	SD-13-02	WV5583-3	10/27/05	2220	6.52	19.81
08	SD-14-SS	WV5583-4	10/27/05	2248	6.52	19.81
09	SD-14-01	WV5583-5	10/27/05	2316	6.53	19.81
10	SD-14-02	WV5583-6	10/27/05	2344	6.52	19.81
11	SD-15-SS	WV5604-1	10/28/05	0137	6.52	19.81
12		AR1660 025PP	10/28/05	0359	6.53	19.82
13	SD-16-SS	WV5583-7RA	10/28/05	1316	6.53	19.81
14	SD-16-01	WV5583-8RA	10/28/05	1344	6.53	19.81
15	SD-16-02	WV5583-9RA	10/28/05	1412	6.53	19.81
16		AR1660 1.0PP	10/28/05	1508	6.54	19.82
17		AR1660 1.0PP	10/30/05	1309	6.53	19.82
18	WG22175-BLAN	WG22175-1	10/30/05	1509	6.53	19.82
19	WG22175-LCS	WG22175-2	10/30/05	1537	6.52	19.81
20	WG22175-LCSD	WG22175-3	10/30/05	1605	6.52	19.81

QC LIMITS
TCX = Tetrachloro-m-xylene (+/- 0.07 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: MIDDLE RIVER SDG No.: MID-5

GC Column: RTX-5 ID: 0.53 (mm) Init. Calib. Date(s): 10/10/05 10/11/05

Instrument ID: GC06

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 6.53 DCB: 19.82

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	SD-17-SS	WV5604-2	10/30/05	1759	6.52	19.81
02	SD-18-SS	WV5604-3	10/30/05	1827	6.52	19.81
03	SD-19-SS	WV5604-4	10/30/05	1856	6.52	19.81
04	SD-19-01	WV5604-5	10/30/05	1924	6.52	19.81
05	SD-19-02	WV5604-6	10/30/05	1952	6.52	19.81
06	SD-20-SS	WV5604-7	10/30/05	2021	6.52	19.81
07	SD-21-SS	WV5604-8	10/30/05	2049	6.52	19.81
08	SD-22-SS	WV5604-9	10/30/05	2117	6.52	19.81
09	SD-23-SS	WV5604-10	10/30/05	2146	6.52	19.81
10		AR1660 0.25P	10/31/05	0229	6.52	19.81
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QC LIMITS

TCX = Tetrachloro-m-xylene (+/- 0.07 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: MIDDLE RIVER SDG No.: MID-5

GC Column: RTX-35 ID: 0.53 (mm) Init. Calib. Date(s): 10/10/05 10/11/05

Instrument ID: GC06

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 5.21 DCB: 18.63

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01		AR1660 1.0PP	10/27/05	1236	5.22	18.64
02	WG21992-BLAN	WG21992-1RA	10/27/05	1805	5.22	18.64
03	WG21992-LCS	WG21992-2RA	10/27/05	1834	5.22	18.63
04	WG21992-LCSD	WG21992-3RA	10/27/05	1902	5.22	18.63
05	SD-13-SS	WV5583-1RA	10/27/05	2123	5.21	18.63
06	SD-13-01	WV5583-2RA	10/27/05	2151	5.21	18.63
07	SD-13-02	WV5583-3	10/27/05	2220	5.21	18.64
08	SD-14-SS	WV5583-4	10/27/05	2248	5.22	18.63
09	SD-14-01	WV5583-5	10/27/05	2316	5.21	18.63
10	SD-14-02	WV5583-6	10/27/05	2344	5.21	18.63
11	SD-15-SS	WV5604-1	10/28/05	0137	5.21	18.63
12		AR1660 025PP	10/28/05	0359	5.21	18.63
13	SD-16-SS	WV5583-7RA	10/28/05	1316	5.22	18.63
14	SD-16-01	WV5583-8RA	10/28/05	1344	5.22	18.63
15	SD-16-02	WV5583-9RA	10/28/05	1412	5.22	18.64
16		AR1660 1.0PP	10/28/05	1508	5.20	18.63
17		AR1660 1.0PP	10/30/05	1309	5.21	18.64
18	WG22175-BLAN	WG22175-1	10/30/05	1509	5.20	18.63
19	WG22175-LCS	WG22175-2	10/30/05	1537	5.21	18.63
20	WG22175-LCSD	WG22175-3	10/30/05	1605	5.21	18.63

QC LIMITS
TCX = Tetrachloro-m-xylene (+/- 0.07 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: MIDDLE RIVER SDG No.: MID-5

GC Column: RTX-35 ID: 0.53 (mm) Init. Calib. Date(s): 10/10/05 10/11/05

Instrument ID: GC06

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 5.21 DCB: 18.63

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01	SD-17-SS	WV5604-2	10/30/05	1759	5.21	18.63
02	SD-18-SS	WV5604-3	10/30/05	1827	5.21	18.63
03	SD-19-SS	WV5604-4	10/30/05	1856	5.21	18.63
04	SD-19-01	WV5604-5	10/30/05	1924	5.21	18.63
05	SD-19-02	WV5604-6	10/30/05	1952	5.21	18.63
06	SD-20-SS	WV5604-7	10/30/05	2021	5.21	18.63
07	SD-21-SS	WV5604-8	10/30/05	2049	5.21	18.63
08	SD-22-SS	WV5604-9	10/30/05	2117	5.21	18.63
09	SD-23-SS	WV5604-10	10/30/05	2146	5.21	18.63
10		AR1660 0.25P	10/31/05	0229	5.21	18.63
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QC LIMITS

TCX = Tetrachloro-m-xylene (+/- 0.07 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project MIDDLE RIVER SDG No.: MID-5

Instrument ID: GC06 Calibration Date(s): 10/10/05 10/11/05

Column: RTX-5 ID: 0.53 (mm) Calibration Time(s): 2034 1140

LAB FILE ID: RF0.05: 6VJ1106 RF0.1: 6VJ1107 RF0.25: 6VJ1108
RF1: 6VJ1105 RF2.5: 6VJ1109 RF10: 6VJ1110

COMPOUND	RF0.05	RF0.1	RF0.25	RF1	RF2.5	RF10	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2	
Aroclor-1016	1069	2081	5396	18023	40757	130140	2ORDR	-1.86e-002	5.435e-005	1.74e-010	0.99998	0.99000	
(2)	2672	5159	13376	44287	99125	318930	2ORDR	-2.26e-002	2.245e-005	2.815e-011	0.99996	0.99000	
(3)	1334	2588	6670	22202	50103	161280	2ORDR	-2.07e-002	4.45e-005	1.094e-010	0.99997	0.99000	
(4)	770	1522	4046	14347	34107	114810	2ORDR	-7.19e-003	6.766e-005	1.699e-010	0.99999	0.99000	
(5)	811	1578	4066	13037	28989	92624	2ORDR	-2.68e-002	7.642e-005	3.438e-010	0.99995	0.99000	
Aroclor-1221				3422			2ORDR	0.00000000	2.922e-004	0.00000000	1.00000	0.99000	<
(2)				8299			2ORDR	0.00000000	1.205e-004	0.00000000	1.00000	0.99000	<
(3)				6013			2ORDR	0.00000000	1.663e-004	0.00000000	1.00000	0.99000	<
(4)				19101			2ORDR	0.00000000	5.235e-005	0.00000000	1.00000	0.99000	<
Aroclor-1232	1226	3201	5248	15205	34204	106860	2ORDR	-5.61e-002	6.505e-005	2.721e-010	0.99989	0.99000	
(2)	586	1613	2747	8212	19202	62614	2ORDR	-4.5e-002	1.199e-004	6.47e-010	0.99991	0.99000	
(3)	1403	3785	6525	19637	45941	149720	2ORDR	-4.35e-002	5.008e-005	1.136e-010	0.99992	0.99000	
(4)	706	1941	3393	9964	23245	76392	2ORDR	-4.73e-002	9.959e-005	4.181e-010	0.99990	0.99000	
(5)	411	1146	2088	6285	15493	53699	2ORDR	-3.44e-002	1.548e-004	5.961e-010	0.99992	0.99000	
Aroclor-1242	1085	2102	4767	16588	36682	111790	2ORDR	-1.88e-002	5.787e-005	2.841e-010	0.99998	0.99000	
(2)	844	1693	3875	14216	32378	102590	2ORDR	-1.16e-002	6.796e-005	2.888e-010	0.99999	0.99000	
(3)	2058	4073	9385	34896	78491	250160	2ORDR	-1.3e-002	2.808e-005	4.777e-011	0.99999	0.99000	
(4)	1037	2079	4751	17648	39702	126820	2ORDR	-1.35e-002	5.563e-005	1.84e-010	0.99998	0.99000	
(5)	626	1235	2847	11387	26412	90883	2ORDR	-7.64e-003	8.802e-005	2.432e-010	0.99999	0.99000	
Aroclor-1248	1266	2604	5892	22384	47522	152470	2ORDR	-2.19e-002	4.602e-005	1.294e-010	0.99990	0.99000	
(2)	1229	2495	5745	22467	48536	159390	2ORDR	-1.78e-002	4.593e-005	1.062e-010	0.99992	0.99000	
(3)	1526	3007	6964	26766	57702	188730	2ORDR	-1.98e-002	3.855e-005	7.708e-011	0.99992	0.99000	
(4)	1662	3293	7568	29175	62897	205820	2ORDR	-1.98e-002	3.538e-005	6.466e-011	0.99992	0.99000	
(5)	1220	2442	5660	23196	52152	176630	2ORDR	-8.98e-003	4.386e-005	7.257e-011	0.99996	0.99000	
Aroclor-1254	2244	4153	9519	33359	73922	233910	2ORDR	-2.28e-002	2.97e-005	5.623e-011	0.99997	0.99000	
(2)	1278	2390	5674	21516	50901	165740	2ORDR	-3.64e-003	4.431e-005	9.684e-011	1.00000	0.99000	
(3)	2365	4433	10568	38454	87851	281160	2ORDR	-1.23e-002	2.526e-005	3.682e-011	0.99999	0.99000	
(4)	2136	4059	9411	34099	78106	251650	2ORDR	-1.4e-002	2.86e-005	4.449e-011	0.99999	0.99000	
(5)	1377	2647	6266	24188	56795	190240	2ORDR	-5.76e-003	4.039e-005	6.415e-011	1.00000	0.99000	
Aroclor-1260	1264	2374	6206	20526	46887	150500	2ORDR	-1.86e-002	4.756e-005	1.263e-010	0.99998	0.99000	
(2)	1165	2322	6152	21102	48855	161370	2ORDR	-1.38e-002	4.655e-005	9.61e-011	0.99998	0.99000	
(3)	2668	5160	13478	45775	105460	354220	2ORDR	-1.85e-002	2.182e-005	1.826e-011	0.99998	0.99000	
(4)	1310	2610	7082	24569	57916	193050	2ORDR	-9.12e-003	3.957e-005	6.362e-011	0.99999	0.99000	
(5)	583	1182	3319	11654	27698	93629	2ORDR	-6.11e-003	8.342e-005	2.504e-010	0.99999	0.99000	
Tetrachloro-m-xylene	430	1289	3721	13911	31340	122140	2ORDR	-2.91e-004	1.556e-006	6.869e-013	0.99988	0.99000	
Decachlorobiphenyl	515	1082	3026	10333	23947	79174	2ORDR	-2.23e-004	1.897e-006	7.979e-012	0.99998	0.99000	

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project MIDDLE RIVER SDG No.: MID-5

Instrument ID: GC06 Calibration Date(s): 10/10/05 10/11/05

Column: RTX-35 ID: 0.53 (mm) Calibration Time(s): 2034 1140

LAB FILE ID: RF0.05: 6VJ2106 RF0.1: 6VJ2107 RF0.25: 6VJ2108
RF1: 6VJ2105 RF2.5: 6VJ2109 RF10: 6VJ2110

COMPOUND	RF0.05	RF0.1	RF0.25	RF1	RF2.5	RF10	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2	
Aroclor-1016	5000	9466	23604	69798	149910	436980	2ORDR	-3.18e-002	1.351e-005	2.162e-011	0.99994	0.99000	
(2)	1921	3693	9896	29745	66039	194490	2ORDR	-2.14e-002	3.114e-005	1.049e-010	0.99996	0.99000	
(3)	8454	16093	39673	122240	266670	814930	2ORDR	-3.19e-002	7.997e-006	5.295e-012	0.99995	0.99000	
(4)	3355	6368	16451	50037	110430	335430	2ORDR	-2.79e-002	1.922e-005	3.183e-011	0.99995	0.99000	
(5)	2405	4626	12374	39115	89105	276720	2ORDR	-1.86e-002	2.438e-005	4.276e-011	0.99997	0.99000	
Aroclor-1221				25196			2ORDR	0.00000000	3.969e-005	0.00000000	1.00000	0.99000	<
(2)				17571			2ORDR	0.00000000	5.691e-005	0.00000000	1.00000	0.99000	<
(3)				49180			2ORDR	0.00000000	2.033e-005	0.00000000	1.00000	0.99000	<
(4)				13594			2ORDR	0.00000000	7.356e-005	0.00000000	1.00000	0.99000	<
Aroclor-1232	3544	9235	14360	40418	87611	255800	2ORDR	-6.1e-002	2.369e-005	6.117e-011	0.99987	0.99000	
(2)	3193	7887	13083	36480	78877	233770	2ORDR	-6.22e-002	2.67e-005	6.993e-011	0.99987	0.99000	
(3)	1349	3035	5198	15020	33278	100300	2ORDR	-5.44e-002	6.458e-005	3.556e-010	0.99991	0.99000	
(4)	2070	5093	8498	24655	54563	168740	2ORDR	-5.81e-002	4.031e-005	1.144e-010	0.99989	0.99000	
(5)	1584	3943	6585	18823	41338	125060	2ORDR	-5.8e-002	5.209e-005	2.267e-010	0.99989	0.99000	
Aroclor-1242	3983	10209	17055	59246	122940	358910	2ORDR	-3.57e-002	1.638e-005	3.227e-011	0.99992	0.99000	
(2)	6765	14984	28578	100020	215940	652830	2ORDR	-2.81e-002	9.746e-006	8.604e-012	0.99996	0.99000	
(3)	2741	7258	11683	42336	89727	270580	2ORDR	-3.34e-002	2.334e-005	5.082e-011	0.99992	0.99000	
(4)	2326	6354	9921	35448	74039	221550	2ORDR	-3.8e-002	2.801e-005	7.813e-011	0.99990	0.99000	
(5)	2659	6756	11465	41532	89057	271980	2ORDR	-3.08e-002	2.384e-005	4.797e-011	0.99994	0.99000	
Aroclor-1248	4025	7548	16719	59250	120640	364050	2ORDR	-3.17e-002	1.708e-005	2.88e-011	0.99987	0.99000	
(2)	2872	5166	11892	44020	92094	284190	2ORDR	-2.4e-002	2.295e-005	4.339e-011	0.99991	0.99000	
(3)	4640	8480	19155	69056	144230	448740	2ORDR	-2.9e-002	1.479e-005	1.685e-011	0.99989	0.99000	
(4)	3939	7350	16822	62005	130050	406510	2ORDR	-2.53e-002	1.645e-005	2.021e-011	0.99990	0.99000	
(5)	4344	8189	18491	62908	147240	462990	2ORDR	-1.52e-002	1.5e-005	1.431e-011	0.99999	0.99000	
Aroclor-1254	1565	3014	7152	24791	54258	167220	2ORDR	-2.05e-002	3.94e-005	1.228e-010	0.99997	0.99000	
(2)	1818	3547	8223	28432	62594	194200	2ORDR	-2.15e-002	3.443e-005	8.845e-011	0.99997	0.99000	
(3)	3537	6590	15090	52806	117330	370510	2ORDR	-2.21e-002	1.869e-005	2.257e-011	0.99998	0.99000	
(4)	6657	12373	27776	95203	209050	650640	2ORDR	-2.59e-002	1.036e-005	7.764e-012	0.99997	0.99000	
(5)	6222	11782	26099	89616	196540	611610	2ORDR	-2.63e-002	1.102e-005	8.797e-012	0.99997	0.99000	
Aroclor-1260	4986	9467	23793	75140	168460	535210	2ORDR	-2.79e-002	1.314e-005	1.046e-011	0.99996	0.99000	
(2)	3787	7269	18373	58452	132020	421000	2ORDR	-2.56e-002	1.683e-005	1.661e-011	0.99996	0.99000	
(3)	7436	14126	35264	113550	257180	843760	2ORDR	-2.78e-002	8.826e-006	3.627e-012	0.99996	0.99000	
(4)	4171	8014	20428	66302	150020	493210	2ORDR	-2.61e-002	1.513e-005	1.055e-011	0.99996	0.99000	
(5)	1730	3345	8803	28828	65572	218880	2ORDR	-2.4e-002	3.494e-005	4.96e-011	0.99996	0.99000	
Tetrachloro-m-xylene	5104	5865	14209	46272	105060	337130	2ORDR	-7.31e-004	4.291e-007	4.936e-013	0.99996	0.99000	
Decachlorobiphenyl	1425	2806	7297	23421	52555	166980	2ORDR	-4.72e-004	8.402e-007	2.159e-012	0.99996	0.99000	

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: MIDDLE RIVER SDG No.: MID-5

Instrument ID: GC06 Calibration Date: 10/10/05 Time: 2325

Lab File ID: 6VJ1084 Init. Calib. Date(s): 10/10/05 10/11/05

Init. Calib. Times: 2034 1140

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Aroclor-1016	1.1027000	1.0000000	19423.000	0.01	10.27	15.00	2RDR
(2)	1.1112000	1.0000000	47648.000	0.01	11.12	15.00	2RDR
(3)	1.1090000	1.0000000	23976.000	0.01	10.90	15.00	2RDR
(4)	1.1021000	1.0000000	15771.000	0.01	10.21	15.00	2RDR
(5)	1.0818000	1.0000000	13666.000	0.01	8.18	15.00	2RDR
Average %D: 10.140							

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: MIDDLE RIVER SDG No.: MID-5

Instrument ID: GC06 Calibration Date: 10/10/05 Time: 2325

Lab File ID: 6VJ2084 Init. Calib. Date(s): 10/10/05 10/11/05

Init. Calib. Times: 2034 1140

GC Column: RTX-35 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Aroclor-1016	1.1367000	1.0000000	76994.000	0.01	13.67	15.00	2RDR
(2)	1.1490000	1.0000000	33757.000	0.01	14.90	15.00	2RDR
(3)	1.1240000	1.0000000	132860.00	0.01	12.40	15.00	2RDR
(4)	1.1325000	1.0000000	55303.000	0.01	13.25	15.00	2RDR
(5)	1.1298000	1.0000000	43760.000	0.01	12.98	15.00	2RDR
Average %D: 13.440							

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: MIDDLE RIVER SDG No.: MID-5

Instrument ID: GC06 Calibration Date: 10/10/05 Time: 2353

Lab File ID: 6VJ1085 Init. Calib. Date(s): 10/10/05 10/11/05

Init. Calib. Times: 2034 1140

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Aroclor-1260	1.0812000	1.0000000	21857.000	0.01	8.12	15.00	2RDR
(2)	1.1024000	1.0000000	22895.000	0.01	10.24	15.00	2RDR
(3)	1.0990000	1.0000000	49191.000	0.01	9.90	15.00	2RDR
(4)	1.0827000	1.0000000	26468.000	0.01	8.27	15.00	2RDR
(5)	1.0860000	1.0000000	12614.000	0.01	8.60	15.00	2RDR
Average %D: 9.0300							

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: MIDDLE RIVER SDG No.: MID-5

Instrument ID: GC06 Calibration Date: 10/10/05 Time: 2353

Lab File ID: 6VJ2085 Init. Calib. Date(s): 10/10/05 10/11/05

Init. Calib. Times: 2034 1140

GC Column: RTX-35 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Aroclor-1260	1.0961000	1.0000000	80408.000	0.01	9.61	15.00	2RDR
(2)	1.0978000	1.0000000	62873.000	0.01	9.78	15.00	2RDR
(3)	1.0946000	1.0000000	121150.00	0.01	9.46	15.00	2RDR
(4)	1.1043000	1.0000000	71189.000	0.01	10.43	15.00	2RDR
(5)	1.1209000	1.0000000	31366.000	0.01	12.09	15.00	2RDR
Average %D: 10.270							

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: MIDDLE RIVER SDG No.: MID-5

Instrument ID: GC06 Calibration Date: 10/27/05 Time: 1236

Lab File ID: 6VJ7002 Init. Calib. Date(s): 10/10/05 10/10/05

Init. Calib. Times: 2034 2256

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Aroclor-1016	0.9940800	1.0000000	17637.000	0.01	-0.59	15.00	2RDR
(2)	0.9845500	1.0000000	42581.000	0.01	-1.54	15.00	2RDR
(3)	1.0130000	1.0000000	22036.000	0.01	1.30	15.00	2RDR
(4)	0.9860600	1.0000000	14176.000	0.01	-1.39	15.00	2RDR
(5)	1.0447000	1.0000000	13233.000	0.01	4.47	15.00	2RDR
Average %D: 0.4500							
Aroclor-1260	1.0024000	1.0000000	20368.000	0.01	0.24	15.00	2RDR
(2)	0.9703100	1.0000000	20289.000	0.01	-2.97	15.00	2RDR
(3)	0.9741800	1.0000000	43883.000	0.01	-2.58	15.00	2RDR
(4)	1.0039000	1.0000000	24629.000	0.01	0.39	15.00	2RDR
(5)	1.0376000	1.0000000	12073.000	0.01	3.76	15.00	2RDR
Average %D: -0.230							
Tetrachloro-m-xylene	2.04e-002	2.e-002	659650.00	0.01	2.00	15.00	2RDR
Decachlorobiphenyl	2.24e-002	2.e-002	567850.00	0.01	12.00	15.00	2RDR

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: MIDDLE RIVER SDG No.: MID-5

Instrument ID: GC06 Calibration Date: 10/27/05 Time: 1236

Lab File ID: 6VJ8002 Init. Calib. Date(s): 10/10/05 10/10/05

Init. Calib. Times: 2034 2256

GC Column: RTX-35 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Aroclor-1016	1.0420000	1.0000000	71327.000	0.01	4.20	15.00	2RDR	
(2)	1.0648000	1.0000000	31535.000	0.01	6.48	15.00	2RDR	
(3)	1.0524000	1.0000000	125200.00	0.01	5.24	15.00	2RDR	
(4)	1.0727000	1.0000000	52662.000	0.01	7.27	15.00	2RDR	
(5)	1.0644000	1.0000000	41421.000	0.01	6.44	15.00	2RDR	
Average %D: 5.9300								
Aroclor-1260	1.0897000	1.0000000	79970.000	0.01	8.97	15.00	2RDR	
(2)	1.1088000	1.0000000	63451.000	0.01	10.88	15.00	2RDR	
(3)	1.1158000	1.0000000	123320.00	0.01	11.58	15.00	2RDR	
(4)	1.1101000	1.0000000	71528.000	0.01	11.01	15.00	2RDR	
(5)	1.1279000	1.0000000	31550.000	0.01	12.79	15.00	2RDR	
Average %D: 11.040								
Tetrachloro-m-xylene	1.76e-002	2.e-002	2042800.0	0.01	-12.00	15.00	2RDR	
Decachlorobiphenyl	2.39e-002	2.e-002	1356400.0	0.01	19.50	15.00	2RDR	<-

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: MIDDLE RIVER SDG No.: MID-5

Instrument ID: GC06 Calibration Date: 10/28/05 Time: 0359

Lab File ID: 6VJ7034 Init. Calib. Date(s): 10/10/05 10/10/05

Init. Calib. Times: 2034 2256

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF0.2500 or AMOUNT	CCAL RRF0.2500	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Aroclor-1016	0.2878100	0.2500000	22160.000	0.01	15.12	15.00	2RDR	<-
(2)	0.2860800	0.2500000	54068.000	0.01	14.43	15.00	2RDR	
(3)	0.2940300	0.2500000	27816.000	0.01	17.61	15.00	2RDR	<-
(4)	0.2821000	0.2500000	16924.000	0.01	12.84	15.00	2RDR	16.8
(5)	0.3102500	0.2500000	17304.000	0.01	24.10	15.00	2RDR	<-
Average %D: 16.840								
Aroclor-1260	0.2752400	0.2500000	24324.000	0.01	10.10	15.00	2RDR	
(2)	0.2704000	0.2500000	24116.000	0.01	8.16	15.00	2RDR	
(3)	0.2746900	0.2500000	53156.000	0.01	9.88	15.00	2RDR	
(4)	0.2642800	0.2500000	27340.000	0.01	5.71	15.00	2RDR	
(5)	0.2663900	0.2500000	12940.000	0.01	6.56	15.00	2RDR	
Average %D: 8.0800								
Tetrachloro-m-xylene	5.16e-003	5.e-003	699800.00	0.01	3.20	15.00	2RDR	<-
Decachlorobiphenyl	5.35e-003	5.e-003	580200.00	0.01	7.00	15.00	2RDR	<-

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: MIDDLE RIVER SDG No.: MID-5

Instrument ID: GC06 Calibration Date: 10/28/05 Time: 0359

Lab File ID: 6VJ8034 Init. Calib. Date(s): 10/10/05 10/10/05

Init. Calib. Times: 2034 2256

GC Column: RTX-35 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF0.2500 or AMOUNT	CCAL RRF0.2500	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Aroclor-1016	0.3053400	0.2500000	96108.000	0.01	22.14	15.00	2RDR	<-
(2)	0.3093400	0.2500000	41068.000	0.01	23.74	15.00	2RDR	<-
(3)	0.3104000	0.2500000	166600.00	0.01	24.16	15.00	2RDR	<-
(4)	0.3192400	0.2500000	70196.000	0.01	27.70	15.00	2RDR	<-
(5)	0.3065600	0.2500000	52168.000	0.01	22.62	15.00	2RDR	<-
Average %D: 24.080								
Aroclor-1260	0.3049600	0.2500000	99380.000	0.01	21.98	15.00	2RDR	<-
(2)	0.3054800	0.2500000	77248.000	0.01	22.19	15.00	2RDR	<-
(3)	0.3065100	0.2500000	149230.00	0.01	22.60	15.00	2RDR	<-
(4)	0.2916400	0.2500000	82804.000	0.01	16.66	15.00	2RDR	<-
(5)	0.2806100	0.2500000	34448.000	0.01	12.24	15.00	2RDR	
Average %D: 19.120								
Tetrachloro-m-xylene	4.65e-003	5.e-003	2471600.0	0.01	-7.00	15.00	2RDR	<-
Decachlorobiphenyl	5.59e-003	5.e-003	1417800.0	0.01	11.80	15.00	2RDR	<-

>24.1

>19.1

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: MIDDLE RIVER SDG No.: MID-5

Instrument ID: GC06 Calibration Date: 10/28/05 Time: 1508

Lab File ID: 6VJ7056 Init. Calib. Date(s): 10/10/05 10/10/05

Init. Calib. Times: 2034 2256

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Aroclor-1016	0.9516400	1.0000000	16934.000	0.01	-4.84	15.00	2RDR
(2)	0.9415000	1.0000000	40845.000	0.01	-5.85	15.00	2RDR
(3)	0.9534800	1.0000000	20827.000	0.01	-4.65	15.00	2RDR
(4)	0.9411200	1.0000000	13555.000	0.01	-5.89	15.00	2RDR
(5)	0.9685300	1.0000000	12339.000	0.01	-3.15	15.00	2RDR
Average %D: -4.870							
Aroclor-1260	0.8907100	1.0000000	18237.000	0.01	-10.93	15.00	2RDR
(2)	0.9007200	1.0000000	18906.000	0.01	-9.93	15.00	2RDR
(3)	0.9402100	1.0000000	42431.000	0.01	-5.98	15.00	2RDR
(4)	0.8856800	1.0000000	21848.000	0.01	-11.43	15.00	2RDR
(5)	1.1232000	1.0000000	13027.000	0.01	12.32	15.00	2RDR
Average %D: -5.190							
Tetrachloro-m-xylene	2.21e-002	2.e-002	713850.00	0.01	10.50	15.00	2RDR
Decachlorobiphenyl	2.29e-002	2.e-002	580050.00	0.01	14.50	15.00	2RDR

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: MIDDLE RIVER SDG No.: MID-5

Instrument ID: GC06 Calibration Date: 10/28/05 Time: 1508

Lab File ID: 6VJ8056 Init. Calib. Date(s): 10/10/05 10/10/05

Init. Calib. Times: 2034 2256

GC Column: RTX-35 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Aroclor-1016	1.0239000	1.0000000	70233.000	0.01	2.39	15.00	2RDR
(2)	1.0171000	1.0000000	30268.000	0.01	1.71	15.00	2RDR
(3)	1.0348000	1.0000000	123310.00	0.01	3.48	15.00	2RDR
(4)	1.0289000	1.0000000	50715.000	0.01	2.89	15.00	2RDR
(5)	1.0106000	1.0000000	39487.000	0.01	1.06	15.00	2RDR
Average %D: 2.3000							
Aroclor-1260	1.0033000	1.0000000	74115.000	0.01	0.33	15.00	2RDR
(2)	0.9945800	1.0000000	57386.000	0.01	-0.54	15.00	2RDR
(3)	1.0011000	1.0000000	111470.00	0.01	0.11	15.00	2RDR
(4)	0.9792700	1.0000000	63627.000	0.01	-2.07	15.00	2RDR
(5)	0.9592700	1.0000000	27096.000	0.01	-4.07	15.00	2RDR
Average %D: -1.250							
Tetrachloro-m-xylene	2.07e-002	2.e-002	2366400.0	0.01	3.50	15.00	2RDR
Decachlorobiphenyl	2.14e-002	2.e-002	1222800.0	0.01	7.00	15.00	2RDR

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: MIDDLE RIVER SDG No.: MID-5

Instrument ID: GC06 Calibration Date: 10/30/05 Time: 1309

Lab File ID: 6VJ7070 Init. Calib. Date(s): 10/10/05 10/10/05

Init. Calib. Times: 2034 2256

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Aroclor-1016	0.9731800	1.0000000	17291.000	0.01	-2.68	15.00	2RDR
(2)	0.9667700	1.0000000	41865.000	0.01	-3.32	15.00	2RDR
(3)	0.9856600	1.0000000	21482.000	0.01	-1.43	15.00	2RDR
(4)	0.9704900	1.0000000	13961.000	0.01	-2.95	15.00	2RDR
(5)	1.0277000	1.0000000	13034.000	0.01	2.77	15.00	2RDR
Average %D: -1.520							
Aroclor-1260	0.9717600	1.0000000	19785.000	0.01	-2.82	15.00	2RDR
(2)	0.9665800	1.0000000	20215.000	0.01	-3.34	15.00	2RDR
(3)	0.9691900	1.0000000	43670.000	0.01	-3.08	15.00	2RDR
(4)	0.9741600	1.0000000	23931.000	0.01	-2.58	15.00	2RDR
(5)	1.0074000	1.0000000	11735.000	0.01	0.74	15.00	2RDR
Average %D: -2.220							
Tetrachloro-m-xylene	2.25e-002	2.e-002	728600.00	0.01	12.50	15.00	2RDR
Decachlorobiphenyl	2.16e-002	2.e-002	548950.00	0.01	8.00	15.00	2RDR

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: MIDDLE RIVER SDG No.: MID-5

Instrument ID: GC06 Calibration Date: 10/30/05 Time: 1309

Lab File ID: 6VJ8070 Init. Calib. Date(s): 10/10/05 10/10/05

Init. Calib. Times: 2034 2256

GC Column: RTX-35 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Aroclor-1016	1.0013000	1.0000000	68864.000	0.01	0.13	15.00	2RDR
(2)	1.0157000	1.0000000	30231.000	0.01	1.57	15.00	2RDR
(3)	1.0041000	1.0000000	120010.00	0.01	0.41	15.00	2RDR
(4)	1.0297000	1.0000000	50752.000	0.01	2.97	15.00	2RDR
(5)	1.0143000	1.0000000	39623.000	0.01	1.43	15.00	2RDR
Average %D: 1.3000							
Aroclor-1260	1.0381000	1.0000000	76476.000	0.01	3.81	15.00	2RDR
(2)	1.0606000	1.0000000	60902.000	0.01	6.06	15.00	2RDR
(3)	1.0594000	1.0000000	117510.00	0.01	5.94	15.00	2RDR
(4)	1.0420000	1.0000000	67428.000	0.01	4.20	15.00	2RDR
(5)	1.0642000	1.0000000	29875.000	0.01	6.42	15.00	2RDR
Average %D: 5.2900							
Tetrachloro-m-xylene	2.06e-002	2.e-002	2356200.0	0.01	3.00	15.00	2RDR
Decachlorobiphenyl	2.2e-002	2.e-002	1258800.0	0.01	10.00	15.00	2RDR

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: MIDDLE RIVER SDG No.: MID-5

Instrument ID: GC06 Calibration Date: 10/31/05 Time: 0229

Lab File ID: 6VJ7098 Init. Calib. Date(s): 10/10/05 10/10/05

Init. Calib. Times: 2034 2256

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF0.2500 or AMOUNT	CCAL RRF0.2500	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Aroclor-1016	0.3051000	0.2500000	23388.000	0.01	22.04	15.00	2RDR	<-
(2)	0.2992800	0.2500000	56340.000	0.01	19.71	15.00	2RDR	<-
(3)	0.3100600	0.2500000	29208.000	0.01	24.02	15.00	2RDR	<- 23,4
(4)	0.2979400	0.2500000	17840.000	0.01	19.18	15.00	2RDR	<-
(5)	0.3297200	0.2500000	18284.000	0.01	31.89	15.00	2RDR	<-
Average %D: 23.360								
Aroclor-1260	0.2992800	0.2500000	26280.000	0.01	19.71	15.00	2RDR	<-
(2)	0.2914600	0.2500000	25880.000	0.01	16.58	15.00	2RDR	<-
(3)	0.2966600	0.2500000	57092.000	0.01	18.66	15.00	2RDR	<- 17,0
(4)	0.2886400	0.2500000	29748.000	0.01	15.46	15.00	2RDR	<-
(5)	0.2867300	0.2500000	13896.000	0.01	14.69	15.00	2RDR	
Average %D: 17.040								
Tetrachloro-m-xylene	6.15e-003	5.e-003	826800.00	0.01	23.00	15.00	2RDR	<-
Decachlorobiphenyl	5.99e-003	5.e-003	646000.00	0.01	19.80	15.00	2RDR	<-

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: MIDDLE RIVER SDG No.: MID-5

Instrument ID: GC06 Calibration Date: 10/31/05 Time: 0229

Lab File ID: 6VJ8098 Init. Calib. Date(s): 10/10/05 10/10/05

Init. Calib. Times: 2034 2256

GC Column: RTX-35 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF0.2500 or AMOUNT	CCAL RRF0.2500	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Aroclor-1016	0.3224300	0.2500000	100800.00	0.01	28.97	15.00	2RDR	<-
(2)	0.3195000	0.2500000	42288.000	0.01	27.80	15.00	2RDR	<-
(3)	0.3252100	0.2500000	173620.00	0.01	30.08	15.00	2RDR	<-
(4)	0.3325400	0.2500000	72808.000	0.01	33.02	15.00	2RDR	<-
(5)	0.3196400	0.2500000	54220.000	0.01	27.86	15.00	2RDR	<-
Average %D: 29.560								
Aroclor-1260	0.3189300	0.2500000	103470.00	0.01	27.57	15.00	2RDR	<-
(2)	0.3244000	0.2500000	81576.000	0.01	29.76	15.00	2RDR	<-
(3)	0.3241700	0.2500000	156990.00	0.01	29.67	15.00	2RDR	<-
(4)	0.3165000	0.2500000	89184.000	0.01	26.60	15.00	2RDR	<-
(5)	0.3057000	0.2500000	37248.000	0.01	22.28	15.00	2RDR	<-
Average %D: 27.160								
Tetrachloro-m-xylene	5.56e-003	5.e-003	2883600.0	0.01	11.20	15.00	2RDR	<-
Decachlorobiphenyl	6.18e-003	5.e-003	1553400.0	0.01	23.60	15.00	2RDR	<-

29.5

27.2

FORM VII PEST

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: MIDDLE RIVER
PO No:
Sample Date:
Received Date:
Extraction Date: 10/25/05
Analysis Date: 27-OCT-2005 18:05
Report Date: 10/31/2005
Matrix: SOIL
% Solids: 100

Lab ID: WG21992-1RA
Client ID: WG21992-Blank
SDG: MID-5
Extracted by: GN
Extraction Method: SW846 3545
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG21992
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	17	1.0	17	17	7.5
11104-28-2	Aroclor-1221	U	17	1.0	17	17	9.0
11141-16-5	Aroclor-1232	U	17	1.0	17	17	5.3
53469-21-9	Aroclor-1242	U	17	1.0	17	17	6.7
12672-29-6	Aroclor-1248	U	17	1.0	17	17	5.7
11097-69-1	Aroclor-1254	U	17	1.0	17	17	13
11096-82-5	Aroclor-1260	U	17	1.0	17	17	4.2
877-09-8	Tetrachloro-m-xylene		102%				
2051-24-3	Decachlorobiphenyl		86%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: MIDDLE RIVER
PO No:
Sample Date:
Received Date:
Extraction Date: 10/28/05
Analysis Date: 30-OCT-2005 15:09
Report Date: 10/31/2005
Matrix: SOIL
% Solids: 100

Lab ID: WG22175-1
Client ID: WG22175-Blank
SDG: MID-5
Extracted by: GN
Extraction Method: SW846 3540
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG22175
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	17	1.0	17	17	7.5
11104-28-2	Aroclor-1221	U	17	1.0	17	17	9.0
11141-16-5	Aroclor-1232	U	17	1.0	17	17	5.3
53469-21-9	Aroclor-1242	U	17	1.0	17	17	6.7
12672-29-6	Aroclor-1248	U	17	1.0	17	17	5.7
11097-69-1	Aroclor-1254	U	17	1.0	17	17	13
11096-82-5	Aroclor-1260	U	17	1.0	17	17	4.2
877-09-8	Tetrachloro-m-xylene		*110%				
2051-24-3	Decachlorobiphenyl		102%				

FORM 2
SOIL SEMIVOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: MIDDLE RIVER SDG No.: MID-5

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	WG21992-BLANK	WG21992-1RA	102	91	85	86			0
02	WG21992-LCS	WG21992-2RA	148*	144*	91	92			2
03	WG21992-LCSD	WG21992-3RA	104*	98	91	93			1
04	SD-13-SS	WV5583-1RA	80	71	68	82			0
05	SD-13-01	WV5583-2RA	80	71	85	122*			1
06	SD-13-02	WV5583-3	79	68	82	108*			1
07	SD-14-SS	WV5583-4	84	75	78	85			0
08	SD-14-01	WV5583-5	62	58	60	71			0
09	SD-14-02	WV5583-6	93	85	89	79			0
10	SD-15-SS	WV5604-1	82	75	70	77			0
11	SD-16-SS	WV5583-7RA	81	74	75	82			0
12	SD-16-01	WV5583-8RA	86	80	78	95			0
13	SD-16-02	WV5583-9RA	100	92	71	80			0
14	WG22175-BLANK	WG22175-1	110*	103	101	102			1
15	WG22175-LCS	WG22175-2	106*	98	97	99			1
16	WG22175-LCSD	WG22175-3	105*	97	99	101			1
17	SD-17-SS	WV5604-2	81	73	78	81			0
18	SD-18-SS	WV5604-3	81	74	72	78			0
19	SD-19-SS	WV5604-4	74	67	63	70			0
20	SD-19-01	WV5604-5	86	78	80	100			0
21	SD-19-02	WV5604-6	93	85	86	83			0
22	SD-20-SS	WV5604-7	70	64	59	59			0
23	SD-21-SS	WV5604-8	93	85	77	77			0
24	SD-22-SS	WV5604-9	92	84	80	85			0
25	SD-23-SS	WV5604-10	79	71	72	70			0
26									
27									
28									

ADVISORY
QC LIMITS

S1 (TCX) = Tetrachloro-m-xylene (44-103)
S2 (DCB) = Decachlorobiphenyl (56-107)

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

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: MIDDLE RIVER
PO No:
Sample Date:
Received Date:
Extraction Date: 10/25/05
Analysis Date: 10/27/05
Report Date: 10/31/2005
Matrix: SOIL

Lab ID: WG21992-2RA& WG21992-3RA
Client ID: WG21992-LCS & WG21992-LCSD
SDG: MID-5
Extracted by: GN
Extraction Method: SW846 3545
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG21992
Units: ug/Kg

COMPOUND	LCS SPIKE	LCSD SPIKE	SAMPLE CONC.	LCS CONC.	LCSD CONC.	LCS %REC.	LCSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
Aroclor-1016	167	167	NA	179	179	107	107	0.0	50	56-116
Aroclor-1260	167	167	NA	172	174	103	104	1	50	59-118

FORM III PEST-2

6VJ7014.d & 6VJ7015.d

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: MIDDLE RIVER
PO No:
Sample Date:
Received Date:
Extraction Date: 10/28/05
Analysis Date: 10/30/05
Report Date: 10/31/2005
Matrix: SOIL

Lab ID: WG22175-2 & WG22175-3
Client ID: WG22175-LCS & WG22175-LCSD
SDG: MID-5
Extracted by: GN
Extraction Method: SW846 3540
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG22175
Units: ug/Kg

COMPOUND	LCS SPIKE	LCSD SPIKE	SAMPLE CONC.	LCS CONC.	LCSD CONC.	LCS %REC.	LCSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
Aroclor-1016	167	167	NA	177	182	106	109	3	50	56-116
Aroclor-1260	167	167	NA	196	198	118	119	1	50	59-118

FORM III PEST-2

6VJ7075.d & 6VJ7076.d

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID: SD-13-01

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: MIDDLE RIVER

Lab Code: PO No.: SDG No.: MID-5

Lab Sample ID: WV5583-2RA Date(s) Analyzed: 10/27/05 10/27/05

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)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.78	15.71	15.85	1930		
Aroclor-1260	2	16.37	16.30	16.44	2920		
	3	17.03	16.96	17.10	2250		
COLUMN 1	4	18.38	18.31	18.45	2720		
	5					2460	
	1	13.92	13.85	13.99	1830		
	2	14.79	14.72	14.86	2300		
	3	15.21	15.14	15.28	2200		
COLUMN 2	4	16.12	16.05	16.19	2390		
	5	17.25	17.18	17.32	2570	2260	8.1
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID

SD-13-02

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: MIDDLE RIVER

Lab Code: PO No.: SDG No.: MID-5

Lab Sample ID: WV5583-3 Date(s) Analyzed: 10/27/05 10/27/05

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)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.78	15.71	15.85	380		
Aroclor-1260	2	16.36	16.30	16.44	1030		
	3	17.03	16.96	17.10	383		
COLUMN 1	4	18.38	18.31	18.45	872		
	5					667	
	1	13.91	13.85	13.99	554		
	2	14.79	14.72	14.86	431		
	3	15.22	15.14	15.28	444		
COLUMN 2	4	16.12	16.05	16.19	516		
	5	17.24	17.18	17.32	759	541	18.9
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID

SD-13-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: MIDDLE RIVER

Lab Code: PO No.: SDG No.: MID-5

Lab Sample ID: WV5583-1RA Date(s) Analyzed: 10/27/05 10/27/05

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)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.25	15.19	15.33	1840		
Aroclor-1260	2	15.79	15.71	15.85	1080		
	3	16.37	16.30	16.44	1430		
COLUMN 1	4	17.03	16.96	17.10	1200		
	5	18.37	18.31	18.45	1240	1360	
	1	13.92	13.85	13.99	1070		
	2	14.79	14.72	14.86	1410		
	3	15.21	15.14	15.28	1150		
COLUMN 2	4	16.12	16.05	16.19	1280		
	5	17.25	17.18	17.32	1440	1270	6.6
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID

SD-14-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: MIDDLE RIVER

Lab Code: PO No.: SDG No.: MID-5

Lab Sample ID: WV5583-4 Date(s) Analyzed: 10/27/05 10/27/05

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)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.78	15.71	15.85	373		
Aroclor-1260	2	16.37	16.30	16.44	533		
	3	17.03	16.96	17.10	390		
COLUMN 1	4	18.37	18.31	18.45	627		
	5					481	
	1	13.92	13.85	13.99	347		
	2	14.79	14.72	14.86	455		
	3	15.21	15.14	15.28	433		
COLUMN 2	4	16.12	16.05	16.19	464		
	5	17.25	17.18	17.32	553	450	6.4
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID

SD-15-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: MIDDLE RIVER

Lab Code: PO No.: SDG No.: MID-5

Lab Sample ID: WV5604-1 Date(s) Analyzed: 10/28/05 10/28/05

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)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.79	15.71	15.85	966		
Aroclor-1260	2	16.37	16.30	16.44	1410		
	3	17.03	16.96	17.10	1170		
COLUMN 1	4	18.37	18.31	18.45	1540		
	5					1270	
	1	13.92	13.85	13.99	983		
	2	14.79	14.72	14.86	1240		
	3	15.21	15.14	15.28	1150		
COLUMN 2	4	16.12	16.05	16.19	1270		
	5	17.25	17.18	17.32	1420	1210	4.7
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID: SD-16-01

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: MIDDLE RIVER

Lab Code: PO No.: SDG No.: MID-5

Lab Sample ID: WV5583-8RA Date(s) Analyzed: 10/28/05 10/28/05

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)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.25	15.19	15.33	1820		
Aroclor-1260	2	15.78	15.71	15.85	1040		
	3	16.37	16.30	16.44	1540		
COLUMN 1	4	17.03	16.96	17.10	1200		
	5	18.38	18.31	18.45	1330	1390	
	1	13.92	13.85	13.99	1110		
	2	14.79	14.72	14.86	1310		
	3	15.21	15.14	15.28	1180		
COLUMN 2	4	16.12	16.05	16.19	1360		
	5	17.25	17.18	17.32	1550	1300	6.5
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID: SD-16-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: MIDDLE RIVER

Lab Code: PO No.: SDG No.: MID-5

Lab Sample ID: WV5583-7RA Date(s) Analyzed: 10/28/05 10/28/05

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)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.26	15.19	15.33	1580		
Aroclor-1260	2	15.78	15.71	15.85	1100		
	3	16.37	16.30	16.44	1410		
COLUMN 1	4	17.03	16.96	17.10	1320		
	5	18.37	18.31	18.45	1540	1390	
	1	13.92	13.85	13.99	1060		
	2	14.79	14.72	14.86	1350		
	3	15.21	15.14	15.28	1300		
COLUMN 2	4	16.12	16.05	16.19	1480		
	5	17.25	17.18	17.32	1780	1390	0.0
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID: SD-17-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: MIDDLE RIVER

Lab Code: PO No.: SDG No.: MID-5

Lab Sample ID: WV5604-2 Date(s) Analyzed: 10/30/05 10/30/05

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)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.26	15.19	15.33	1340		
Aroclor-1260	2	15.78	15.71	15.85	811		
	3	16.37	16.30	16.44	1150		
COLUMN 1	4	17.03	16.96	17.10	1030		
	5					1080	
	1	13.92	13.84	13.98	805		
	2	14.79	14.71	14.85	999		
	3	15.21	15.13	15.27	1060		
COLUMN 2	4	16.12	16.04	16.18	1140		
	5					1000	7.4
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID: SD-18-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: MIDDLE RIVER

Lab Code: PO No.: SDG No.: MID-5

Lab Sample ID: WV5604-3 Date(s) Analyzed: 10/30/05 10/30/05

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)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.26	15.19	15.33	944		
Aroclor-1260	2	15.78	15.71	15.85	586		
	3	16.37	16.30	16.44	833		
COLUMN 1	4	17.03	16.96	17.10	754		
	5					779	
	1	13.92	13.84	13.98	570		
	2	14.79	14.71	14.85	718		
	3	15.21	15.13	15.27	798		
COLUMN 2	4	16.12	16.04	16.18	837		
	5					731	6.2
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID: SD-19-01

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: MIDDLE RIVER

Lab Code: PO No.: SDG No.: MID-5

Lab Sample ID: WV5604-5 Date(s) Analyzed: 10/30/05 10/30/05

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)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.79	15.71	15.85	156		
Aroclor-1260	2	17.04	16.96	17.10	138		
	3	18.36	18.30	18.44	461		
COLUMN 1	4						
	5					252	
	1	13.91	13.84	13.98	367		
	2	14.79	14.71	14.85	299		
	3	15.24	15.13	15.27	311		
COLUMN 2	4	16.12	16.04	16.18	326		
	5					326	22.7
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID: SD-19-02

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: MIDDLE RIVER

Lab Code: PO No.: SDG No.: MID-5

Lab Sample ID: WV5604-6 Date(s) Analyzed: 10/30/05 10/30/05

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)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.79	15.71	15.85	24.4		
Aroclor-1260	2	16.37	16.30	16.44	60.5		
	3	17.04	16.96	17.10	27.3		
COLUMN 1	4						
	5					37.4	
	1	13.92	13.84	13.98	53.6		
	2	14.79	14.71	14.85	49.5		
	3	15.21	15.13	15.27	38.9		
COLUMN 2	4	16.12	16.04	16.18	47.6		
	5	17.25	17.18	17.32	54.5	48.8	23.4
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID: SD-19-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: MIDDLE RIVER

Lab Code: PO No.: SDG No.: MID-5

Lab Sample ID: WV5604-4 Date(s) Analyzed: 10/30/05 10/30/05

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)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.26	15.19	15.33	3300		
Aroclor-1260	2	15.78	15.71	15.85	2310		
	3	16.37	16.30	16.44	2940		
COLUMN 1	4	17.03	16.96	17.10	2760		
	5					2830	
	1	13.92	13.84	13.98	2010		
	2	14.78	14.71	14.85	2520		
	3	15.21	15.13	15.27	2800		
COLUMN 2	4	16.12	16.04	16.18	2840		
	5					2540	10.2
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID

SD-20-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: MIDDLE RIVER

Lab Code: PO No.: SDG No.: MID-5

Lab Sample ID: WV5604-7 Date(s) Analyzed: 10/30/05 10/30/05

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)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.25	15.19	15.33	1220		
Aroclor-1260	2	15.79	15.71	15.85	873		
	3	16.37	16.30	16.44	1210		
COLUMN 1	4	17.03	16.96	17.10	1090		
	5					1100	
	1	13.92	13.84	13.98	794		
	2	14.79	14.71	14.85	1060		
	3	15.20	15.13	15.27	1180		
COLUMN 2	4	16.12	16.04	16.18	1230		
	5					1060	3.6
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID: SD-21-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: MIDDLE RIVER

Lab Code: PO No.: SDG No.: MID-5

Lab Sample ID: WV5604-8 Date(s) Analyzed: 10/30/05 10/30/05

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)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.26	15.19	15.33	665		
Aroclor-1260	2	15.79	15.71	15.85	408		
	3	16.37	16.30	16.44	551		
COLUMN 1	4	17.03	16.96	17.10	508		
	5	18.37	18.30	18.44	654	557	
	1	13.92	13.84	13.98	426		
	2	14.79	14.71	14.85	528		
	3	15.20	15.13	15.27	569		
COLUMN 2	4	16.12	16.04	16.18	586		
	5					527	5.4
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID

SD-22-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: MIDDLE RIVER

Lab Code: PO No.: SDG No.: MID-5

Lab Sample ID: WV5604-9 Date(s) Analyzed: 10/30/05 10/30/05

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)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.26	15.19	15.33	2220		
Aroclor-1260	2	15.78	15.71	15.85	1530		
	3	16.37	16.30	16.44	2130		
COLUMN 1	4	17.03	16.96	17.10	1990		
	5					1970	
	1	13.92	13.84	13.98	1350		
	2	14.79	14.71	14.85	1790		
	3	15.20	15.13	15.27	2000		
COLUMN 2	4	16.12	16.04	16.18	2140		
	5					1820	7.6
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID: SD-23-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: MIDDLE RIVER

Lab Code: PO No.: SDG No.: MID-5

Lab Sample ID: WV5604-10 Date(s) Analyzed: 10/30/05 10/30/05

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)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.26	15.19	15.33	891		
Aroclor-1260	2	15.78	15.71	15.85	565		
	3	16.37	16.30	16.44	816		
COLUMN 1	4	17.03	16.96	17.10	736		
	5					752	
	1	13.92	13.84	13.98	520		
	2	14.79	14.71	14.85	713		
	3	15.20	15.13	15.27	807		
COLUMN 2	4	16.12	16.04	16.18	852		
	5					723	3.8
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

TETRA TECH NUS, INC. **CALCULATION WORKSHEET** PAGE _____ OF _____

CLIENT Lockheed Middle River		JOB NUMBER Job-00275 SDG-MID 5	
SUBJECT Sample Calculation			
BASED ON		DRAWING NUMBER	
BY Bernard F Spada III	CHECKED BY	APPROVED BY	DATE 11/15/05

Sample SA-13-01 Aroclor 1260 = 2500 ug/kg

Peak 2

$$\text{Aroclor } 1260 = (37570^2)(9.61\times10^{-11}) + (37570)(4.655\times10^{-5}) + (-1.38\times10^{-2})$$

$$= 0.1356 + 1.749 + (-0.0138) = 1.87 \text{ ug/mL}$$

$$\frac{(1.87 \text{ ug/mL})(5 \text{ mL})}{(1.5 \text{ g})(0.323)} = 1.93 \text{ ug/g} = 1930 \text{ ug/kg}$$

$$\text{Average} = \frac{1930 + 2920 + 2250 + 2720}{4} = 2455 \text{ ug/kg}$$

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date: 10/25/05
Analysis Date: 27-OCT-2005 21:51
Report Date: 10/31/2005
Matrix: SOIL
% Solids: 32.3

Lab ID: WV5583-2RA
Client ID: SD-13-01
SDG: MID-5
Extracted by: GN
Extraction Method: SW846 3545
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG21992
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	53	1.0	17	53	23
11104-28-2	Aroclor-1221	U	53	1.0	17	53	28
11141-16-5	Aroclor-1232	U	53	1.0	17	53	16
53469-21-9	Aroclor-1242	U	53	1.0	17	53	21
12672-29-6	Aroclor-1248	U	53	1.0	17	53	18
11097-69-1	Aroclor-1254	U	53	1.0	17	53	40
11096-82-5	Aroclor-1260		2500	1.0	17	53	13
877-09-8	Tetrachloro-m-xylene		80%				
2051-24-3	Decachlorobiphenyl		*122%				

Data File: \\Target_server\GG\chem\gc06.i\GC06VJ27A1.b\6VJ7021.d
Report Date: 31-Oct-2005 14:26

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc06.i\GC06VJ27A1.b\6VJ7021.d
Lab Smp Id: WV5583-2RA Client Smp ID: SD-13-01
Inj Date : 27-OCT-2005 21:51
Operator : SAW Inst ID: gc06.i
Smp Info : PCBA035C.M,GC06VJ27A1.B,1,WV5583-2RA
Misc Info : SW846 8082
Comment :
Method : \\TARGET_SERVER\GG\chem\gc06.i\GC06VJ27A1.B\PCBA035C.m
Meth Date : 28-Oct-2005 13:28 swilkinson Quant Type: ESTD
Cal Date : 11-OCT-2005 09:19 Cal File: 6VJ1105.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: SW8082.sub
Target Version: 4.12 Sample Matrix: SOIL
Processing Host: TARGET05

Concentration Formula: Amt * DF * 1000*Vt*(100/(100-M))/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00500	Volume of final extract (L)(1000 low, 20
M	67.717	% Moisture
Vo	0.01500	Sample Weight
Cpnd Variable		Local Compound Variable

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/Kg)	TARGET RANGE	RATIO
$ 2 Tetrachloro-m-xylene					CAS #: 877-09-8		
6.524	6.528	-0.004	50793	0.08053	83.2		
8 Aroclor-1260					CAS #: 11096-82-5		
15.259	15.259	0.000	0	0.000	0.000	80.00- 120.00	0.00
15.783	15.783	0.000	37570	1.87089	1930	94.69- 142.03	54.23
16.368	16.372	-0.004	118561	2.82510	2920	89.28- 133.92	171.13
17.030	17.029	0.001	51145	2.18089	2250	72.48- 108.73	73.82
18.377	18.375	0.002	29152	2.63871	2720	0.00- 0.00	42.08
		Average of Peak Concentrations =			2460		
$ 9 Decachlorobiphenyl					CAS #: 2051-24-3		
19.814	19.815	-0.001	38737	0.08525	88.0		

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project MIDDLE RIVER SDG No.: MID-5

Instrument ID: GC06 Calibration Date(s): 10/10/05 10/11/05

Column: RTX-5 ID: 0.53 (mm) Calibration Time(s): 2034 1140

LAB FILE ID: RF0.05: 6VJ1106 RF0.1: 6VJ1107 RF0.25: 6VJ1108
RF1: 6VJ1105 RF2.5: 6VJ1109 RF10: 6VJ1110

COMPOUND	RF0.05	RF0.1	RF0.25	RF1	RF2.5	RF10	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2	
Aroclor-1016	1069	2081	5396	18023	40757	130140	2ORDR	-1.86e-002	5.435e-005	1.74e-010	0.99998	0.99000	
(2)	2672	5159	13376	44287	99125	318930	2ORDR	-2.26e-002	2.245e-005	2.815e-011	0.99996	0.99000	
(3)	1334	2588	6670	22202	50103	161280	2ORDR	-2.07e-002	4.45e-005	1.094e-010	0.99997	0.99000	
(4)	770	1522	4046	14347	34107	114810	2ORDR	-7.19e-003	6.766e-005	1.699e-010	0.99999	0.99000	
(5)	811	1578	4066	13037	28989	92624	2ORDR	-2.68e-002	7.642e-005	3.438e-010	0.99995	0.99000	
Aroclor-1221				3422			2ORDR	0.00000000	2.922e-004	0.00000000	1.00000	0.99000	<
(2)				8299			2ORDR	0.00000000	1.205e-004	0.00000000	1.00000	0.99000	<
(3)				6013			2ORDR	0.00000000	1.663e-004	0.00000000	1.00000	0.99000	<
(4)				19101			2ORDR	0.00000000	5.235e-005	0.00000000	1.00000	0.99000	<
Aroclor-1232	1226	3201	5248	15205	34204	106860	2ORDR	-5.61e-002	6.505e-005	2.721e-010	0.99989	0.99000	
(2)	586	1613	2747	8212	19202	62614	2ORDR	-4.5e-002	1.199e-004	6.47e-010	0.99991	0.99000	
(3)	1403	3785	6525	19637	45941	149720	2ORDR	-4.35e-002	5.008e-005	1.136e-010	0.99992	0.99000	
(4)	706	1941	3393	9964	23245	76392	2ORDR	-4.73e-002	9.959e-005	4.181e-010	0.99990	0.99000	
(5)	411	1146	2088	6285	15493	53699	2ORDR	-3.44e-002	1.548e-004	5.961e-010	0.99992	0.99000	
Aroclor-1242	1085	2102	4767	16588	36682	111790	2ORDR	-1.88e-002	5.787e-005	2.841e-010	0.99998	0.99000	
(2)	844	1693	3875	14216	32378	102590	2ORDR	-1.16e-002	6.796e-005	2.888e-010	0.99999	0.99000	
(3)	2058	4073	9385	34896	78491	250160	2ORDR	-1.3e-002	2.808e-005	4.777e-011	0.99999	0.99000	
(4)	1037	2079	4751	17648	39702	126820	2ORDR	-1.35e-002	5.563e-005	1.84e-010	0.99998	0.99000	
(5)	626	1235	2847	11387	26412	90883	2ORDR	-7.64e-003	8.802e-005	2.432e-010	0.99999	0.99000	
Aroclor-1248	1266	2604	5892	22384	47522	152470	2ORDR	-2.19e-002	4.602e-005	1.294e-010	0.99990	0.99000	
(2)	1229	2495	5745	22467	48536	159390	2ORDR	-1.78e-002	4.593e-005	1.062e-010	0.99992	0.99000	
(3)	1526	3007	6964	26766	57702	188730	2ORDR	-1.98e-002	3.855e-005	7.708e-011	0.99992	0.99000	
(4)	1662	3293	7568	29175	62897	205820	2ORDR	-1.98e-002	3.538e-005	6.466e-011	0.99992	0.99000	
(5)	1220	2442	5660	23196	52152	176630	2ORDR	-8.98e-003	4.386e-005	7.257e-011	0.99996	0.99000	
Aroclor-1254	2244	4153	9519	33359	73922	233910	2ORDR	-2.28e-002	2.97e-005	5.623e-011	0.99997	0.99000	
(2)	1278	2390	5674	21516	50901	165740	2ORDR	-3.64e-003	4.431e-005	9.684e-011	1.00000	0.99000	
(3)	2365	4433	10568	38454	87851	281160	2ORDR	-1.23e-002	2.526e-005	3.682e-011	0.99999	0.99000	
(4)	2136	4059	9411	34099	78106	251650	2ORDR	-1.4e-002	2.86e-005	4.449e-011	0.99999	0.99000	
(5)	1377	2647	6266	24188	56795	190240	2ORDR	-5.76e-003	4.039e-005	6.415e-011	1.00000	0.99000	
Aroclor-1260	1264	2374	6206	20526	46887	150500	2ORDR	-1.86e-002	4.756e-005	1.263e-010	0.99998	0.99000	
(2)	1165	2322	6152	21102	48855	161370	2ORDR	-1.38e-002	4.655e-005	9.61e-011	0.99998	0.99000	
(3)	2668	5160	13478	45775	105460	354220	2ORDR	-1.85e-002	2.182e-005	1.826e-011	0.99998	0.99000	
(4)	1310	2610	7082	24569	57916	193050	2ORDR	-9.12e-003	3.957e-005	6.362e-011	0.99999	0.99000	
(5)	583	1182	3319	11654	27698	93629	2ORDR	-6.11e-003	8.342e-005	2.504e-010	0.99999	0.99000	
Tetrachloro-m-xylene	430	1289	3721	13911	31340	122140	2ORDR	-2.91e-004	1.556e-006	6.869e-013	0.99988	0.99000	
Decachlorobiphenyl	515	1082	3026	10333	23947	79174	2ORDR	-2.23e-004	1.897e-006	7.979e-012	0.99998	0.99000	

EARTH MATH

Instructor's Material
Guide To Studies
Tool Chest
Review Topics
Earth Studies
Introductory Material
Algebra w/ Equations
Algebra w/ Functions
PreCalculus
Calculus
Navajo Nation
Navajo Nation Studies
Evaluation Material
Earth Math Evaluation

A Versatile Technology-Intensive Earth Math

Project Directors:
Christopher Schaufele and Nancy Zumoff

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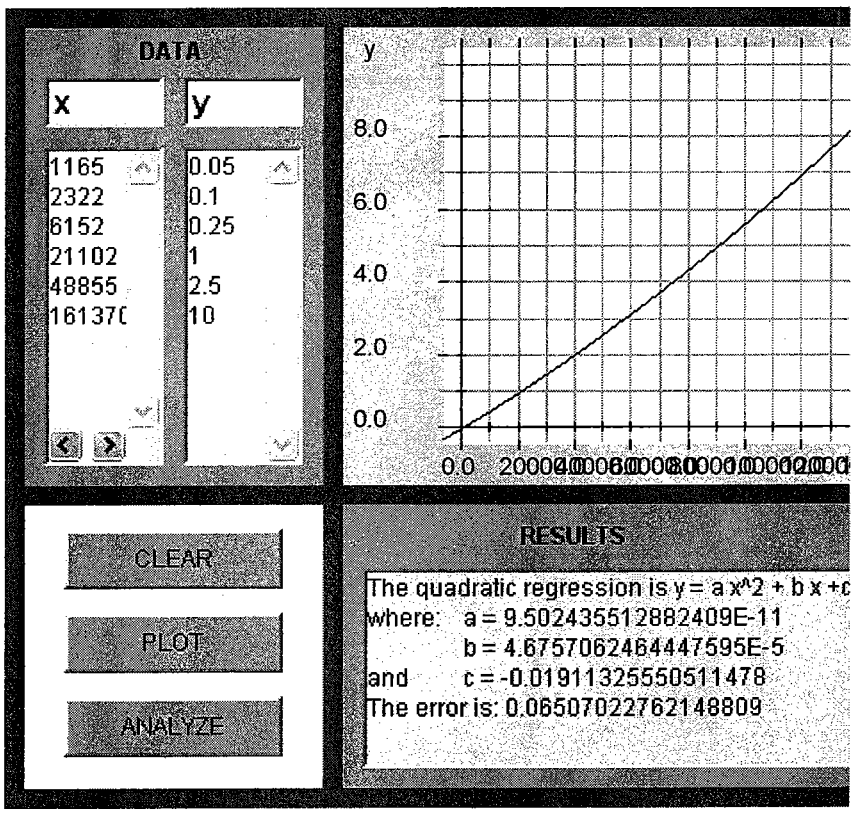
QUADRATIC REGRESSION AI



This applet has two functions: plotting and finding the quadratic func approximates the user supplied data. Use it as follows:

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO: **M. MARTIN** **DATE:** **NOVEMBER 23, 2005**

FROM: **ETHAN G. LEE** **COPIES:** **DV FILE**

SUBJECT: **INORGANIC DATA VALIDATION - METALS AND MISCELLANEOUS PARAMETERS**
LOCKHEED MIDDLE RIVER
SAMPLE DELIVERY GROUP (SDG) – MID-6

SAMPLES: 20/SEDIMENT/

SD-24-SS	SD-25-SS	SD-26-SS
SD-27-01	SD-27-02	SD-27-SS
SD-28-01	SD-28-02	SD-28-SS
SD-29-01	SD-29-02	SD-29-SS
SD-30-SS	SD-31-01	SD-31-02
SD-31-SS	SD-32-SS	SD-33-SS
SD-34-SS	SD-35-SS	

Overview

The sample set for Lockheed Middle River, SDG MID-6, consists of twenty (20) sediment environmental samples.

All samples were analyzed for select metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc) and hexavalent chromium. Samples SD-25-SS, SD-27-SS, SD-31-02, SD-33-SS, and SD-35-SS were also analyzed for total organic carbon (TOC). The samples were collected by Tetra Tech NUS on October 21, 2005 and analyzed by Katahdin Analytical Services. Metals analyses except mercury were conducted using SW-846 method 6010B. Mercury analyses were conducted using SW-846 method 7471A. Hexavalent chromium analyses were conducted using SW-846 method 7196A. TOC analyses were conducted using the Lloyd Kahn method.

Summary

All analytes were successfully analyzed. The findings offered in this report are based upon a general review of all available data. The data review was based on data completeness, holding times, calibration data, laboratory method/preparation blanks, interference check sample (ICS) results, matrix spike results, laboratory duplicate results, laboratory control sample (LCS) results, ICP serial dilution results, detection limits, and analyte quantitation.

All metals analyses, with the exception of mercury, were conducted using Inductively Coupled Plasma (ICP) methodology. Mercury analyses were conducted using Cold Vapor Atomic Absorption (CVAA) methodology.

Minor Problems

- Percent solids were <30% in samples SD-26-SS, SD-28-SS, SD-30-SS, SD-32-SS, SD-33-SS, and SD-35-SS. Positive and nondetected results were qualified as estimated, (J) and (UJ), respectively for all analytes in these samples.

- The contract required detection limit (CRDL) standards run on 11/2/05 at 12:32 and 16:59 and on 11/3/05 at 01:36 had percent recoveries (%Rs) <90% for silver. Positive results <2X the CRDL and nondetects reported for silver were qualified as biased low, (L) and (UL), respectively. Positive results <2X the CRDL reported for silver in samples with %solids <30% were qualified as estimated (J) due to conflicting directional bias.

- The CRDL standard run on 11/3/05 at 01:36 had a %R <90% for thallium. Nondetected results reported for thallium in the associated samples were qualified as biased low (UL). Nondetected results reported for thallium in the associated samples with %solids <30% were qualified as estimated (UJ) due to conflicting directional bias.

- The CRDL standards run on 11/4/05 at 14:32 and 16:34 had %Rs <90% for selenium. Nondetected results reported for selenium in the associated samples were qualified as biased low (UL). Nondetected results reported for selenium in the associated samples with %solids <30% were qualified as estimated (UJ) due to conflicting directional bias.

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

Analyte	Maximum Concentration	Action Level
Mercury[(1)]	0.014 mg/kg	0.07 mg/kg
Selenium	4.63 ug/L	2.32 mg/kg
Thallium	6.26 ug/L	3.13 mg/kg
Vanadium[(2)]	0.158 mg/kg	0.79 mg/kg
Zinc	57.81 ug/L	28.91 mg/kg

(1) Maximum concentration was present in preparation blank from batch SVJ26HGS0.
(2) Maximum concentration was present in preparation blank from batch SVJ27ICS0.

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 mercury, selenium, and thallium were qualified (B) as a result of laboratory blank contamination. The remaining analytes were not qualified because the results were either greater than the action level or they were nondetects.

- The matrix spike (MS) and matrix spike duplicate (MSD) performed on sample SD-25-SS had %Rs <75% for antimony. Positive and nondetected results reported for antimony were qualified as biased low, (L) and (UL), respectively. Positive and nondetected results reported for antimony in samples with %solids <30% were qualified as estimated, (J) and (UJ), respectively, due to conflicting directional bias.

- The MS performed on sample SD-27-SS had %Rs <75% for antimony and >125% for mercury. The MSD performed on sample SD-27-SS had %Rs <30% for antimony and >125% for mercury. Positive and nondetected results reported for antimony were qualified as biased low, (L) and (UL), respectively. Positive and nondetected results reported for antimony in samples with %solids <30% were qualified as estimated, (J) and (UJ), respectively, due to conflicting directional bias. Positive results reported for mercury were qualified as estimated (J) due to conflicting directional bias.

- The MS and MSD performed on sample SD-31-02 had %Rs <75% for antimony and mercury and >125% for chromium. The MSD performed on sample SD-31-02 had a %R >125% for copper and the MS was compliant. Positive and nondetected results reported for antimony were qualified as biased low, (L) and (UL), respectively. Positive and nondetected results reported for antimony in samples with %solids <30% were qualified as estimated, (J) and (UJ), respectively, due to conflicting directional bias. Positive results reported for copper and mercury were qualified as estimated (J) due to conflicting directional bias. Positive results reported for chromium were qualified as biased high (K). Positive results reported for chromium in samples with %solids <30% were qualified as estimated (J).

- The MSs performed on samples SD-25-SS, SD-27-SS, and SD-31-02 had %Rs <75% for hexavalent chromium. Nondetected results reported for hexavalent chromium were qualified as biased low (UL). Nondetected results reported for hexavalent chromium in samples with %solids <30% were qualified as estimated (UJ) due to conflicting directional bias.

- The MS and MSD performed on sample SD-25-SS and the MS performed on sample SD-27-SS had %Rs >125% for TOC. Positive results reported for TOC were qualified as biased high (K). Positive results reported for TOC in samples with %solids <30% were qualified as estimated (J) due to conflicting directional bias.

- The ICP serial dilution performed on sample SD-31-02 had a percent difference (%D) >10% and an initial sample concentration >50X the IDL for copper. Positive results reported for copper were qualified as estimated (J).

Notes

The continuing calibration verification (CCV) standards run on 11/2/05 at 20:12 and 21:38 had %Rs <90% for vanadium. No qualification action was required because no samples that were associated with these standards were analyzed for vanadium.

The CCV standard run on 11/4/05 at 01:09 had %Rs >110% for calcium, magnesium, and selenium. No qualification action was required because no samples that were associated with this standard were analyzed for calcium, magnesium, and selenium.

The CRDL standards run on 11/2/05 at 16:59 and 21:17 had %Rs <90% for copper. No qualification action was required because all copper results were >2X the CRDL.

The CRDL standards run on 11/2/05 at 16:59 and on 11/3/05 at 01:36 had %Rs <90% for selenium. No qualification action was required because no samples that were associated with these standards were analyzed for selenium.

The CRDL standards run on 11/2/05 at 21:17 and on 11/3/05 at 01:36 had %Rs <90% for lead. No qualification action was required because all lead results were >2X the CRDL.

The CRDL standard run on 11/2/05 at 21:17 had a %R <90% for vanadium. No qualification action was required because all vanadium results in the associated samples were >2X the CRDL.

The CRDL standards run on 11/3/05 at 19:04 and 23:22 and on 11/4/05 at 03:40 had %Rs >110% for selenium. No qualification action was required because all selenium results were either previously qualified for laboratory blank contamination or they were nondetects.

The CRDL standard run on 10/27/05 at 11:37 had a %R >120% for mercury. No qualification action was required because all mercury results were either >2X the CRDL or they were previously qualified for laboratory blank contamination.

The interference check sample (ICS) AB solution run on 11/2/05 at 21:31 had a %R <80% for selenium. No qualification action was required because no interfering analytes were present in any samples.

Dilutions were performed for selenium and vanadium in sample SD-29-02 due to matrix interference.

Dilutions were performed for all metals except mercury in sample SD-31-01 due to matrix interference.

Executive Summary

Laboratory Performance: Several analytes were qualified due to calibration noncompliance. Several analytes were present in the laboratory method/preparation blanks.

Other Factors Affecting Data Quality: All analytes in several samples were qualified due to %solids <30%. Several analytes were qualified due to matrix spike noncompliance. Copper was qualified due to ICP serial dilution noncompliance.

The data for these analyses were reviewed with reference to the USEPA Region III modifications to "National Functional Guidelines for Inorganic Review", April 1993.

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

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

Data Qualifier Key:

U - Value is a nondetect as reported by the laboratory.

UJ - Nondetected result is considered estimated as a result of technical noncompliance.

UL - Nondetected result is considered biased low as a result of technical noncompliance.

B - Positive result is considered to be an artifact of blank contamination and should not be considered present.

J - Positive result is considered estimated as a result of technical noncompliance.

K - Positive result is considered biased high as a result of technical noncompliance.

L - Positive result is considered biased low as a result of technical noncompliance.

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: 00275

SDG: MID-6 MEDIA: SOIL DATA FRACTION: M

nsample	SD-24-SS	nsample	SD-25-SS	nsample	SD-26-SS
samp_date	10/21/2005	samp_date	10/21/2005	samp_date	10/21/2005
lab_id	WV5605-001	lab_id	WV5605-002	lab_id	WV5605-003
qc_type	NM	qc_type	NM	qc_type	NM
units	MG/KG	units	MG/KG	units	MG/KG
Pct_Solids	68.5	Pct_Solids	42.5	Pct_Solids	22.3
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANTIMONY	0.43	UL	D
ARSENIC	3.8		
BARIUM	17.1		
BERYLLIUM	0.84		
CADMIUM	1.6		
CHROMIUM	33.4	K	D
COBALT	9.8		
COPPER	27.2	J	DI
LEAD	29.4		
MERCURY	0.1	K	D
MOLYBDENUM	0.56		
NICKEL	15.6		
SELENIUM	0.38	U	
SILVER	0.11	UL	C
THALLIUM	0.64	U	
VANADIUM	20.8		
ZINC	134		

Parameter	Result	Val Qual	Qual Code
ANTIMONY	0.71	UL	D
ARSENIC	5.1		
BARIUM	21.5		
BERYLLIUM	0.98		
CADMIUM	4.3		
CHROMIUM	63.7	K	D
COBALT	9.8		
COPPER	61.3	J	DI
LEAD	49.6		
MERCURY	0.23	K	D
MOLYBDENUM	0.34	U	
NICKEL	17.1		
SELENIUM	0.62	B	A
SILVER	0.74	L	C
THALLIUM	1.05	U	
VANADIUM	24.2		
ZINC	180		

Parameter	Result	Val Qual	Qual Code
ANTIMONY	1.5	J	DY
ARSENIC	11	J	Y
BARIUM	59.2	J	Y
BERYLLIUM	2.1	J	Y
CADMIUM	5.6	J	Y
CHROMIUM	170	J	DY
COBALT	21	J	Y
COPPER	141	J	DIY
LEAD	121	J	Y
MERCURY	0.52	J	DY
MOLYBDENUM	1	J	Y
NICKEL	43.2	J	Y
SELENIUM	1.4	B	A
SILVER	1.6	J	CY
THALLIUM	2.21	UJ	Y
VANADIUM	54.9	J	Y
ZINC	379	J	Y

PROJ_NO: 00275

SDG: MID-6 MEDIA: SOIL DATA FRACTION: M

nsample	SD-27-01	nsample	SD-27-02	nsample	SD-27-SS
samp_date	10/21/2005	samp_date	10/21/2005	samp_date	10/21/2005
lab_id	WV5605-005	lab_id	WV5605-006	lab_id	WV5605-004
qc_type	NM	qc_type	NM	qc_type	NM
units	MG/KG	units	MG/KG	units	MG/KG
Pct_Solids	35.2	Pct_Solids	72.3	Pct_Solids	35.3
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANTIMONY	1.1	L	D
ARSENIC	7.8		
BARIUM	61.6		
BERYLLIUM	2.2		
CADMIUM	27.9		
CHROMIUM	503	K	D
COBALT	22.1		
COPPER	128	J	DI
LEAD	215		
MERCURY	1.5	K	D
MOLYBDENUM	2.4		
NICKEL	59.8		
SELENIUM	1.4	B	A
SILVER	15.6		
THALLIUM	1.5	U	
VANADIUM	98.8		
ZINC	531		

Parameter	Result	Val Qual	Qual Code
ANTIMONY	0.38	UL	D
ARSENIC	2.1		
BARIUM	8		
BERYLLIUM	1.1		
CADMIUM	0.64		
CHROMIUM	24.2	K	D
COBALT	3.9		
COPPER	7.4	J	DI
LEAD	23.8		
MERCURY	0.05	B	A
MOLYBDENUM	0.4		
NICKEL	8.4		
SELENIUM	0.33	U	
SILVER	0.19	L	C
THALLIUM	0.57	U	
VANADIUM	15.8		
ZINC	32.4		

Parameter	Result	Val Qual	Qual Code
ANTIMONY	1.2	L	D
ARSENIC	7.4		
BARIUM	61.5		
BERYLLIUM	2.3		
CADMIUM	22.7		
CHROMIUM	454	K	D
COBALT	22.6		
COPPER	98.8	J	DI
LEAD	186		
MERCURY	0.68	K	D
MOLYBDENUM	1		
NICKEL	52.8		
SELENIUM	1.2	B	A
SILVER	8.9		
THALLIUM	1.8	B	A
VANADIUM	64.9		
ZINC	456		

PROJ_NO: 00275

SDG: MID-6 MEDIA: SOIL DATA FRACTION: M

nsample	SD-28-01	nsample	SD-28-02	nsample	SD-28-SS
samp_date	10/21/2005	samp_date	10/21/2005	samp_date	10/21/2005
lab_id	WV5605-008	lab_id	WV5605-009	lab_id	WV5605-007
qc_type	NM	qc_type	NM	qc_type	NM
units	MG/KG	units	MG/KG	units	MG/KG
Pct_Solids	38.6	Pct_Solids	44.3	Pct_Solids	28.9
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANTIMONY	0.57	UL	D
ARSENIC	5		
BARIUM	38.1		
BERYLLIUM	1.4		
CADMIUM	8.4		
CHROMIUM	140	K	D
COBALT	11.7		
COPPER	86.2	J	DI
LEAD	86.9		
MERCURY	0.43	K	D
MOLYBDENUM	0.65		
NICKEL	24.2		
SELENIUM	0.73	B	A
SILVER	0.74	L	C
THALLIUM	0.85	U	
VANADIUM	32.5		
ZINC	258		

Parameter	Result	Val Qual	Qual Code
ANTIMONY	0.54	UL	D
ARSENIC	5.4		
BARIUM	32.7		
BERYLLIUM	1.9		
CADMIUM	1.1		
CHROMIUM	56.2	K	D
COBALT	14		
COPPER	19.8	J	DI
LEAD	25.6		
MERCURY	2.4	K	D
MOLYBDENUM	1.2		
NICKEL	23.6		
SELENIUM	0.47	U	
SILVER	0.21	L	C
THALLIUM	0.8	U	
VANADIUM	35.9		
ZINC	91.9		

Parameter	Result	Val Qual	Qual Code
ANTIMONY	1.23	UJ	DY
ARSENIC	8.4	J	Y
BARIUM	66.8	J	Y
BERYLLIUM	2.2	J	Y
CADMIUM	39.4	J	Y
CHROMIUM	680	J	DY
COBALT	20.9	J	Y
COPPER	112	J	DIY
LEAD	235	J	Y
MERCURY	0.98	J	DY
MOLYBDENUM	1.9	J	Y
NICKEL	62.8	J	Y
SELENIUM	1.2	B	A
SILVER	28.6	J	Y
THALLIUM	1.83	UJ	Y
VANADIUM	120	J	Y
ZINC	636	J	Y

PROJ_NO: 00275

SDG: MID-6 MEDIA: SOIL DATA FRACTION: M

nsample	SD-29-01	nsample	SD-29-02	nsample	SD-29-SS
samp_date	10/21/2005	samp_date	10/21/2005	samp_date	10/21/2005
lab_id	WV5605-011	lab_id	WV5605-012	lab_id	WV5605-010
qc_type	NM	qc_type	NM	qc_type	NM
units	MG/KG	units	MG/KG	units	MG/KG
Pct_Solids	36.4	Pct_Solids	57.8	Pct_Solids	33.5
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANTIMONY	1.2	L	D
ARSENIC	3.9		
BARIUM	63.5		
BERYLLIUM	2.1		
CADMIUM	40.5		
CHROMIUM	817	K	D
COBALT	17.3		
COPPER	67.5	J	DI
LEAD	136		
MERCURY	0.1	B	A
MOLYBDENUM	1.7		
NICKEL	43.1		
SELENIUM	1.3	B	A
SILVER	12.6		
THALLIUM	1.3	U	
VANADIUM	57		
ZINC	456		

Parameter	Result	Val Qual	Qual Code
ANTIMONY	0.85	L	D
ARSENIC	5.9		
BARIUM	26.8		
BERYLLIUM	2		
CADMIUM	0.57		
CHROMIUM	47.9	K	D
COBALT	9.8		
COPPER	21.5	J	DI
LEAD	18.3		
MERCURY	0.25	K	D
MOLYBDENUM	0.84		
NICKEL	24.2		
SELENIUM	0.83	U	
SILVER	0.17	L	C
THALLIUM	0.71	U	
VANADIUM	43.5		
ZINC	62.1		

Parameter	Result	Val Qual	Qual Code
ANTIMONY	1.09	UL	D
ARSENIC	8.3		
BARIUM	63.3		
BERYLLIUM	2.3		
CADMIUM	10.3		
CHROMIUM	253	K	D
COBALT	22.8		
COPPER	93.5	J	DI
LEAD	198		
MERCURY	0.84	K	D
MOLYBDENUM	1.4		
NICKEL	52.5		
SELENIUM	1.4	B	A
SILVER	3.1	L	C
THALLIUM	1.63	U	
VANADIUM	69.7		
ZINC	414		

PROJ_NO: 00275

SDG: MID-6 MEDIA: SOIL DATA FRACTION: M

nsample	SD-30-SS	nsample	SD-31-01	nsample	SD-31-02
samp_date	10/21/2005	samp_date	10/21/2005	samp_date	10/21/2005
lab_id	WV5605-013	lab_id	WV5605-015	lab_id	WV5605-016
qc_type	NM	qc_type	NM	qc_type	NM
units	MG/KG	units	MG/KG	units	MG/KG
Pct_Solids	24.8	Pct_Solids	44.6	Pct_Solids	32.4
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANTIMONY	1.24	UJ	DY
ARSENIC	10.1	J	Y
BARIUM	55.8	J	Y
BERYLLIUM	1.9	J	Y
CADMIUM	3.9	J	Y
CHROMIUM	140	J	DY
COBALT	18.6	J	Y
COPPER	136	J	DIY
LEAD	109	J	Y
MERCURY	3.5	J	DY
MOLYBDENUM	0.97	J	Y
NICKEL	37.3	J	Y
SELENIUM	1.9	B	A
SILVER	1.6	J	CY
THALLIUM	1.85	UJ	Y
VANADIUM	53.3	J	Y
ZINC	338	J	Y

Parameter	Result	Val Qual	Qual Code
ANTIMONY	1.64	UL	D
ARSENIC	12.6		
BARIUM	76.6		
BERYLLIUM	3.6		
CADMIUM	0.28		
CHROMIUM	75	K	D
COBALT	29		
COPPER	38.7	J	DI
LEAD	52.3		
MERCURY	0.09	B	A
MOLYBDENUM	2.2		
NICKEL	46.1		
SELENIUM	1.44	U	
SILVER	0.42	UL	C
THALLIUM	2.45	U	
VANADIUM	72.9		
ZINC	179		

Parameter	Result	Val Qual	Qual Code
ANTIMONY	1	L	D
ARSENIC	8.1		
BARIUM	45.7		
BERYLLIUM	1.9		
CADMIUM	2.9		
CHROMIUM	102	K	D
COBALT	17.7		
COPPER	46	J	DI
LEAD	58.5		
MERCURY	0.4	K	D
MOLYBDENUM	0.54		
NICKEL	31		
SELENIUM	0.76	U	
SILVER	0.85	L	C
THALLIUM	1.31	U	
VANADIUM	40.4		
ZINC	186		

PROJ_NO: 00275

SDG: MID-6 MEDIA: SOIL DATA FRACTION: M

nsample	SD-31-SS	nsample	SD-32-SS	nsample	SD-33-SS
samp_date	10/21/2005	samp_date	10/21/2005	samp_date	10/21/2005
lab_id	WV5605-014	lab_id	WV5605-017	lab_id	WV5605-018
qc_type	NM	qc_type	NM	qc_type	NM
units	MG/KG	units	MG/KG	units	MG/KG
Pct_Solids	38.1	Pct_Solids	20.0	Pct_Solids	24.5
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANTIMONY	0.74	UL	D
ARSENIC	6.2		
BARIUM	37.3		
BERYLLIUM	1.9		
CADMIUM	0.37		
CHROMIUM	46	K	D
COBALT	16.1		
COPPER	24.3	J	DI
LEAD	34.4		
MERCURY	0.19	K	D
MOLYBDENUM	1.2		
NICKEL	25		
SELENIUM	0.65	U	
SILVER	0.19	UL	C
THALLIUM	1.1	U	
VANADIUM	38.2		
ZINC	105		

Parameter	Result	Val Qual	Qual Code
ANTIMONY	1.73	UJ	DY
ARSENIC	12.1	J	Y
BARIUM	72.1	J	Y
BERYLLIUM	1.9	J	Y
CADMIUM	3	J	Y
CHROMIUM	152	J	DY
COBALT	19.8	J	Y
COPPER	152	J	DIY
LEAD	117	J	Y
MERCURY	0.52	J	DY
MOLYBDENUM	1.5	J	Y
NICKEL	41.5	J	Y
SELENIUM	1.51	UJ	CY
SILVER	1.1	J	CY
THALLIUM	4	B	A
VANADIUM	62.9	J	Y
ZINC	350	J	Y

Parameter	Result	Val Qual	Qual Code
ANTIMONY	1.39	UJ	DY
ARSENIC	10.3	J	Y
BARIUM	57.7	J	Y
BERYLLIUM	1.8	J	Y
CADMIUM	3.9	J	Y
CHROMIUM	154	J	DY
COBALT	18.3	J	Y
COPPER	141	J	DIY
LEAD	114	J	Y
MERCURY	0.49	J	DY
MOLYBDENUM	1.5	J	Y
NICKEL	38	J	Y
SELENIUM	1.21	UJ	CY
SILVER	1.2	J	CY
THALLIUM	2.07	UJ	CY
VANADIUM	55.9	J	Y
ZINC	339	J	Y

PROJ_NO: 00275

SDG: MID-6 MEDIA: SOIL DATA FRACTION: M

nsample	SD-34-SS	nsample	SD-35-SS
samp_date	10/21/2005	samp_date	10/21/2005
lab_id	WV5605-019	lab_id	WV5605-020
qc_type	NM	qc_type	NM
units	MG/KG	units	MG/KG
Pct_Solids	39.3	Pct_Solids	26.6
DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANTIMONY	0.72	UL	D
ARSENIC	6.7		
BARIUM	36.2		
BERYLLIUM	1.2		
CADMIUM	3.7		
CHROMIUM	105	K	D
COBALT	13.5		
COPPER	94.5	J	DI
LEAD	78.4		
MERCURY	0.34	K	D
MOLYBDENUM	0.89		
NICKEL	23.9		
SELENIUM	0.63	UL	C
SILVER	0.94	L	C
THALLIUM	1.08	UL	C
VANADIUM	35		
ZINC	225		

Parameter	Result	Val Qual	Qual Code
ANTIMONY	1.17	UJ	DY
ARSENIC	12	J	Y
BARIUM	64.1	J	Y
BERYLLIUM	1.9	J	Y
CADMIUM	4.2	J	Y
CHROMIUM	172	J	DY
COBALT	20.7	J	Y
COPPER	154	J	DIY
LEAD	127	J	Y
MERCURY	0.51	J	DY
MOLYBDENUM	1.2	J	Y
NICKEL	41.6	J	Y
SELENIUM	1.02	UJ	CY
SILVER	1.6	J	CY
THALLIUM	1.75	UJ	CY
VANADIUM	62.1	J	Y
ZINC	360	J	Y

PROJ_NO: 00275

SDG: MID-6 MEDIA: SOIL DATA FRACTION: MISC

nsample	SD-24-SS	nsample	SD-25-SS	nsample	SD-26-SS
samp_date	10/21/2005	samp_date	10/21/2005	samp_date	10/21/2005
lab_id	WV5605-1	lab_id	WV5605-2	lab_id	WV5605-3
qc_type	NM	qc_type	NM	qc_type	NM
Pct_Solids	68.5	Pct_Solids	42.5	Pct_Solids	22.3
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
HEXAVALENT CHROMIUM	MG/KG	0.74	UL	D
TOTAL SOLIDS	%	68		

Parameter	units	Result	Val Qual	Qual Code
HEXAVALENT CHROMIUM	MG/KG	1.1	UL	D
TOTAL ORGANIC CARBON	MG/KG	28000	K	D
TOTAL SOLIDS	%	42		

Parameter	units	Result	Val Qual	Qual Code
HEXAVALENT CHROMIUM	MG/KG	2.2	UJ	DY
TOTAL SOLIDS	%	22		

PROJ_NO: 00275

SDG: MID-6 MEDIA: SOIL DATA FRACTION: MISC

nsample	SD-27-01	nsample	SD-27-02	nsample	SD-27-SS
samp_date	10/21/2005	samp_date	10/21/2005	samp_date	10/21/2005
lab_id	WV5605-5	lab_id	WV5605-6	lab_id	WV5605-4
qc_type	NM	qc_type	NM	qc_type	NM
Pct_Solids	35.2	Pct_Solids	72.3	Pct_Solids	35.3
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
HEXAVALENT CHROMIUM	MG/KG	1.4	UL	D
TOTAL SOLIDS	%	35		

Parameter	units	Result	Val Qual	Qual Code
HEXAVALENT CHROMIUM	MG/KG	0.68	UL	D
TOTAL SOLIDS	%	72		

Parameter	units	Result	Val Qual	Qual Code
HEXAVALENT CHROMIUM	MG/KG	1.4	UL	D
TOTAL ORGANIC CARBON	MG/KG	47000	K	D
TOTAL SOLIDS	%	35		

PROJ_NO: 00275

SDG: MID-6 MEDIA: SOIL DATA FRACTION: MISC

nsample	SD-28-01	nsample	SD-28-02	nsample	SD-28-SS
samp_date	10/21/2005	samp_date	10/21/2005	samp_date	10/21/2005
lab_id	WV5605-8	lab_id	WV5605-9	lab_id	WV5605-7
qc_type	NM	qc_type	NM	qc_type	NM
Pct_Solids	38.6	Pct_Solids	44.3	Pct_Solids	28.9
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
HEXAVALENT CHROMIUM	MG/KG	1.2	UL	D
TOTAL SOLIDS	%	39		

Parameter	units	Result	Val Qual	Qual Code
HEXAVALENT CHROMIUM	MG/KG	1.1	UL	D
TOTAL SOLIDS	%	44		

Parameter	units	Result	Val Qual	Qual Code
HEXAVALENT CHROMIUM	MG/KG	1.7	UJ	DY
TOTAL SOLIDS	%	29		

PROJ_NO: 00275

SDG: MID-6 MEDIA: SOIL DATA FRACTION: MISC

nsample	SD-29-01	nsample	SD-29-02	nsample	SD-29-SS
samp_date	10/21/2005	samp_date	10/21/2005	samp_date	10/21/2005
lab_id	WV5605-11	lab_id	WV5605-12	lab_id	WV5605-10
qc_type	NM	qc_type	NM	qc_type	NM
Pct_Solids	36.4	Pct_Solids	57.8	Pct_Solids	33.5
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
HEXAVALENT CHROMIUM	MG/KG	1.4	UL	D
TOTAL SOLIDS	%	36		

Parameter	units	Result	Val Qual	Qual Code
HEXAVALENT CHROMIUM	MG/KG	0.87	UL	D
TOTAL SOLIDS	%	58		

Parameter	units	Result	Val Qual	Qual Code
HEXAVALENT CHROMIUM	MG/KG	1.5	UL	D
TOTAL SOLIDS	%	34		

PROJ_NO: 00275

SDG: MID-6 MEDIA: SOIL DATA FRACTION: MISC

nsample	SD-30-SS
samp_date	10/21/2005
lab_id	WV5605-13
qc_type	NM
Pct_Solids	24.8
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
HEXAVALENT CHROMIUM	MG/KG	2	UJ	DY
TOTAL SOLIDS	%	25		

nsample	SD-31-01
samp_date	10/21/2005
lab_id	WV5605-15
qc_type	NM
Pct_Solids	44.6
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
HEXAVALENT CHROMIUM	MG/KG	1.1	UL	D
TOTAL SOLIDS	%	45		

nsample	SD-31-02
samp_date	10/21/2005
lab_id	WV5605-16
qc_type	NM
Pct_Solids	32.4
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
HEXAVALENT CHROMIUM	MG/KG	1.5	UL	D
TOTAL ORGANIC CARBON	MG/KG	54000	K	D
TOTAL SOLIDS	%	32		

PROJ_NO: 00275

SDG: MID-6 MEDIA: SOIL DATA FRACTION: MISC

nsample	SD-31-SS	nsample	SD-32-SS	nsample	SD-33-SS
samp_date	10/21/2005	samp_date	10/21/2005	samp_date	10/21/2005
lab_id	WV5605-14	lab_id	WV5605-17	lab_id	WV5605-18
qc_type	NM	qc_type	NM	qc_type	NM
Pct_Solids	38.1	Pct_Solids	20.0	Pct_Solids	24.5
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
HEXAVALENT CHROMIUM	MG/KG	1.3	UL	D
TOTAL SOLIDS	%	38		

Parameter	units	Result	Val Qual	Qual Code
HEXAVALENT CHROMIUM	MG/KG	2.5	UJ	DY
TOTAL SOLIDS	%	20		

Parameter	units	Result	Val Qual	Qual Code
HEXAVALENT CHROMIUM	MG/KG	2	UJ	DY
TOTAL ORGANIC CARBON	MG/KG	51000	J	DY
TOTAL SOLIDS	%	24		

PROJ_NO: 00275

SDG: MID-6 MEDIA: SOIL DATA FRACTION: MISC

nsample	SD-34-SS	nsample	SD-35-SS
samp_date	10/21/2005	samp_date	10/21/2005
lab_id	WV5605-19	lab_id	WV5605-20
qc_type	NM	qc_type	NM
Pct_Solids	39.3	Pct_Solids	26.6
DUP_OF:		DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
HEXAVALENT CHROMIUM	MG/KG	1.3	UL	D
TOTAL SOLIDS	%	39		

Parameter	units	Result	Val Qual	Qual Code
HEXAVALENT CHROMIUM	MG/KG	1.9	UJ	DY
TOTAL ORGANIC CARBON	MG/KG	47000	J	DY
TOTAL SOLIDS	%	27		

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SD-24-SS

Matrix: SOIL **SDG Name:** MID-6

Percent Solids: 68.5 **Lab Sample ID:** WV5605-001

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-36-0	ANTIMONY, TOTAL	0.43	U	N	P	1	0.84	0.43
7440-38-2	ARSENIC, TOTAL	3.8			P	1	0.84	0.36
7440-39-3	BARIUM, TOTAL	17.1			P	1	0.52	0.03
7440-41-7	BERYLLIUM, TOTAL	0.84			P	1	0.52	0.04
7440-43-9	CADMIUM, TOTAL	1.6			P	1	1.0	0.04
7440-47-3	CHROMIUM, TOTAL	33.4		N	P	1	1.6	0.11
7440-48-4	COBALT, TOTAL	9.8			P	1	3.2	0.12
7440-50-8	COPPER, TOTAL	27.2		N*E	P	1	2.6	0.18
7439-92-1	LEAD, TOTAL	29.4			P	1	0.52	0.17
7439-97-6	MERCURY, TOTAL	0.1		N	CV	1	0.041	0.01
7439-98-7	MOLYBDENUM, TOTAL	0.56	B		P	1	10	0.21
7440-02-0	NICKEL, TOTAL	15.6			P	1	4.2	0.16
7782-49-2	SELENIUM, TOTAL	0.38	U		P	1	1.0	0.38
7440-22-4	SILVER, TOTAL	0.11	U		P	1	1.6	0.11
7440-28-0	THALLIUM, TOTAL	0.64	U		P	1	1.6	0.64
7440-62-2	VANADIUM, TOTAL	20.8			P	1	2.6	0.14
7440-66-6	ZINC, TOTAL	134			P	1	2.6	0.06

Color Before: N/A Texture: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SD-25-SS

Matrix: SOIL **SDG Name:** MID-6

Percent Solids: 42.5 **Lab Sample ID:** WV5605-002

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-36-0	ANTIMONY, TOTAL	0.71	U	N	P	1	1.4	0.71
7440-38-2	ARSENIC, TOTAL	5.1			P	1	1.4	0.59
7440-39-3	BARIUM, TOTAL	21.5			P	1	0.86	0.05
7440-41-7	BERYLLIUM, TOTAL	0.98			P	1	0.86	0.06
7440-43-9	CADMIUM, TOTAL	4.3			P	1	1.7	0.07
7440-47-3	CHROMIUM, TOTAL	63.7		N	P	1	2.6	0.17
7440-48-4	COBALT, TOTAL	9.8			P	1	5.2	0.19
7440-50-8	COPPER, TOTAL	61.3		N*E	P	1	4.3	0.30
7439-92-1	LEAD, TOTAL	49.6			P	1	0.86	0.28
7439-97-6	MERCURY, TOTAL	0.23		N	CV	1	0.070	0.01
7439-98-7	MOLYBDENUM, TOTAL	0.34	U		P	1	17	0.34
7440-02-0	NICKEL, TOTAL	17.1			P	1	6.9	0.26
7782-49-2	SELENIUM, TOTAL	0.62	B		P	1	1.7	0.62
7440-22-4	SILVER, TOTAL	0.74	B		P	1	2.6	0.18
7440-28-0	THALLIUM, TOTAL	1.05	U		P	1	2.6	1.05
7440-62-2	VANADIUM, TOTAL	24.2			P	1	4.3	0.23
7440-66-6	ZINC, TOTAL	180			P	1	4.3	0.10

Color Before: N/A Texture: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SD-26-SS

Matrix: SOIL **SDG Name:** MID-6

Percent Solids: 22.3 **Lab Sample ID:** WV5605-003

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-36-0	ANTIMONY, TOTAL	1.5	B	N	P	1	2.9	1.48
7440-38-2	ARSENIC, TOTAL	11.0			P	1	2.9	1.25
7440-39-3	BARIUM, TOTAL	59.2			P	1	1.8	0.10
7440-41-7	BERYLLIUM, TOTAL	2.1			P	1	1.8	0.13
7440-43-9	CADMIUM, TOTAL	5.6			P	1	3.6	0.14
7440-47-3	CHROMIUM, TOTAL	170		N	P	1	5.4	0.36
7440-48-4	COBALT, TOTAL	21.0			P	1	11	0.40
7440-50-8	COPPER, TOTAL	141		N*E	P	1	9.0	0.63
7439-92-1	LEAD, TOTAL	121			P	1	1.8	0.60
7439-97-6	MERCURY, TOTAL	0.52		N	CV	1	0.13	0.01
7439-98-7	MOLYBDENUM, TOTAL	1.0	B		P	1	36	0.72
7440-02-0	NICKEL, TOTAL	43.2			P	1	14	0.55
7782-49-2	SELENIUM, TOTAL	1.4	B		P	1	3.6	1.30
7440-22-4	SILVER, TOTAL	1.6	B		P	1	5.4	0.38
7440-28-0	THALLIUM, TOTAL	2.21	U		P	1	5.4	2.21
7440-62-2	VANADIUM, TOTAL	54.9			P	1	9.0	0.49
7440-66-6	ZINC, TOTAL	379			P	1	9.0	0.21

Color Before: N/A Texture: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SD-27-01

Matrix: SOIL **SDG Name:** MID-6

Percent Solids: 35.2 **Lab Sample ID:** WV5605-005

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-36-0	ANTIMONY, TOTAL	1.1	B	N	P	1	2.0	1.01
7440-38-2	ARSENIC, TOTAL	7.8			P	1	2.0	0.85
7440-39-3	BARIUM, TOTAL	61.6			P	1	1.2	0.07
7440-41-7	BERYLLIUM, TOTAL	2.2			P	1	1.2	0.09
7440-43-9	CADMIUM, TOTAL	27.9			P	1	2.4	0.10
7440-47-3	CHROMIUM, TOTAL	503		N	P	1	3.7	0.25
7440-48-4	COBALT, TOTAL	22.1			P	1	7.4	0.27
7440-50-8	COPPER, TOTAL	128		N*E	P	1	6.1	0.43
7439-92-1	LEAD, TOTAL	215			P	1	1.2	0.40
7439-97-6	MERCURY, TOTAL	1.5		N	CV	1	0.079	0.01
7439-98-7	MOLYBDENUM, TOTAL	2.4	B		P	1	24	0.49
7440-02-0	NICKEL, TOTAL	59.8			P	1	9.8	0.38
7782-49-2	SELENIUM, TOTAL	1.4	B		P	1	2.4	0.88
7440-22-4	SILVER, TOTAL	15.6			P	1	3.7	0.25
7440-28-0	THALLIUM, TOTAL	1.50	U		P	1	3.7	1.50
7440-62-2	VANADIUM, TOTAL	98.8			P	1	6.1	0.33
7440-66-6	ZINC, TOTAL	531			P	1	6.1	0.14

Color Before: N/A Texture: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SD-27-02

Matrix: SOIL **SDG Name:** MID-6

Percent Solids: 72.3 **Lab Sample ID:** WV5605-006

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-36-0	ANTIMONY, TOTAL	0.38	U	N	P	1	0.74	0.38
7440-38-2	ARSENIC, TOTAL	2.1			P	1	0.74	0.32
7440-39-3	BARIUM, TOTAL	8.0			P	1	0.46	0.03
7440-41-7	BERYLLIUM, TOTAL	1.1			P	1	0.46	0.03
7440-43-9	CADMIUM, TOTAL	0.64	B		P	1	0.93	0.04
7440-47-3	CHROMIUM, TOTAL	24.2		N	P	1	1.4	0.09
7440-48-4	COBALT, TOTAL	3.9			P	1	2.8	0.10
7440-50-8	COPPER, TOTAL	7.4		N*E	P	1	2.3	0.16
7439-92-1	LEAD, TOTAL	23.8			P	1	0.46	0.15
7439-97-6	MERCURY, TOTAL	0.05		N	CV	1	0.041	0.01
7439-98-7	MOLYBDENUM, TOTAL	0.40	B		P	1	9.3	0.19
7440-02-0	NICKEL, TOTAL	8.4			P	1	3.7	0.14
7782-49-2	SELENIUM, TOTAL	0.33	U		P	1	0.93	0.33
7440-22-4	SILVER, TOTAL	0.19	B		P	1	1.4	0.10
7440-28-0	THALLIUM, TOTAL	0.57	U		P	1	1.4	0.57
7440-62-2	VANADIUM, TOTAL	15.8			P	1	2.3	0.13
7440-66-6	ZINC, TOTAL	32.4			P	1	2.3	0.05

Color Before: N/A Texture: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SD-27-SS

Matrix: SOIL **SDG Name:** MID-6

Percent Solids: 35.3 **Lab Sample ID:** WV5605-004

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-36-0	ANTIMONY, TOTAL	1.2	B	N	P	1	1.8	0.92
7440-38-2	ARSENIC, TOTAL	7.4			P	1	1.8	0.78
7440-39-3	BARIUM, TOTAL	61.5			P	1	1.1	0.06
7440-41-7	BERYLLIUM, TOTAL	2.3			P	1	1.1	0.08
7440-43-9	CADMIUM, TOTAL	22.7			P	1	2.2	0.09
7440-47-3	CHROMIUM, TOTAL	454		N	P	1	3.4	0.23
7440-48-4	COBALT, TOTAL	22.6			P	1	6.8	0.25
7440-50-8	COPPER, TOTAL	98.8		N*E	P	1	5.6	0.39
7439-92-1	LEAD, TOTAL	186			P	1	1.1	0.37
7439-97-6	MERCURY, TOTAL	0.68		N	CV	1	0.081	0.01
7439-98-7	MOLYBDENUM, TOTAL	1.0	B		P	1	22	0.45
7440-02-0	NICKEL, TOTAL	52.8			P	1	9.0	0.34
7782-49-2	SELENIUM, TOTAL	1.2	B		P	1	2.2	0.81
7440-22-4	SILVER, TOTAL	8.9			P	1	3.4	0.23
7440-28-0	THALLIUM, TOTAL	1.8	B		P	1	3.4	1.38
7440-62-2	VANADIUM, TOTAL	64.9			P	1	5.6	0.31
7440-66-6	ZINC, TOTAL	456			P	1	5.6	0.13

Color Before: N/A Texture: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SD-28-01

Matrix: SOIL **SDG Name:** MID-6

Percent Solids: 38.6 **Lab Sample ID:** WV5605-008

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-36-0	ANTIMONY, TOTAL	0.57	U	N	P	1	1.1	0.57
7440-38-2	ARSENIC, TOTAL	5.0			P	1	1.1	0.48
7440-39-3	BARIUM, TOTAL	38.1			P	1	0.70	0.04
7440-41-7	BERYLLIUM, TOTAL	1.4			P	1	0.70	0.05
7440-43-9	CADMIUM, TOTAL	8.4			P	1	1.4	0.06
7440-47-3	CHROMIUM, TOTAL	140		N	P	1	2.1	0.14
7440-48-4	COBALT, TOTAL	11.7			P	1	4.2	0.16
7440-50-8	COPPER, TOTAL	86.2		N*E	P	1	3.5	0.24
7439-92-1	LEAD, TOTAL	86.9			P	1	0.70	0.23
7439-97-6	MERCURY, TOTAL	0.43		N	CV	1	0.067	0.01
7439-98-7	MOLYBDENUM, TOTAL	0.65	B		P	1	14	0.28
7440-02-0	NICKEL, TOTAL	24.2			P	1	5.6	0.21
7782-49-2	SELENIUM, TOTAL	0.73	B		P	1	1.4	0.50
7440-22-4	SILVER, TOTAL	0.74	B		P	1	2.1	0.14
7440-28-0	THALLIUM, TOTAL	0.85	U		P	1	2.1	0.85
7440-62-2	VANADIUM, TOTAL	32.5			P	1	3.5	0.19
7440-66-6	ZINC, TOTAL	258			P	1	3.5	0.08

Color Before: N/A Texture: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SD-28-02

Matrix: SOIL **SDG Name:** MID-6

Percent Solids: 44.3 **Lab Sample ID:** WV5605-009

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-36-0	ANTIMONY, TOTAL	0.54	U	N	P	1	1.0	0.54
7440-38-2	ARSENIC, TOTAL	5.4			P	1	1.0	0.45
7440-39-3	BARIUM, TOTAL	32.7			P	1	0.66	0.04
7440-41-7	BERYLLIUM, TOTAL	1.9			P	1	0.66	0.05
7440-43-9	CADMIUM, TOTAL	1.1	B		P	1	1.3	0.05
7440-47-3	CHROMIUM, TOTAL	56.2		N	P	1	2.0	0.13
7440-48-4	COBALT, TOTAL	14.0			P	1	3.9	0.15
7440-50-8	COPPER, TOTAL	19.8		N*E	P	1	3.3	0.23
7439-92-1	LEAD, TOTAL	25.6			P	1	0.66	0.22
7439-97-6	MERCURY, TOTAL	2.4		N	CV	1	0.061	0.01
7439-98-7	MOLYBDENUM, TOTAL	1.2	B		P	1	13	0.26
7440-02-0	NICKEL, TOTAL	23.6			P	1	5.2	0.20
7782-49-2	SELENIUM, TOTAL	0.47	U		P	1	1.3	0.47
7440-22-4	SILVER, TOTAL	0.21	B		P	1	2.0	0.14
7440-28-0	THALLIUM, TOTAL	0.80	U		P	1	2.0	0.80
7440-62-2	VANADIUM, TOTAL	35.9			P	1	3.3	0.18
7440-66-6	ZINC, TOTAL	91.9			P	1	3.3	0.08

Color Before: N/A Texture: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SD-28-SS

Matrix: SOIL **SDG Name:** MID-6

Percent Solids: 28.9 **Lab Sample ID:** WV5605-007

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-36-0	ANTIMONY, TOTAL	1.23	U	N	P	1	2.4	1.23
7440-38-2	ARSENIC, TOTAL	8.4			P	1	2.4	1.03
7440-39-3	BARIUM, TOTAL	66.8			P	1	1.5	0.08
7440-41-7	BERYLLIUM, TOTAL	2.2			P	1	1.5	0.10
7440-43-9	CADMIUM, TOTAL	39.4			P	1	3.0	0.12
7440-47-3	CHROMIUM, TOTAL	680		N	P	1	4.5	0.30
7440-48-4	COBALT, TOTAL	20.9			P	1	8.9	0.33
7440-50-8	COPPER, TOTAL	112		N*E	P	1	7.4	0.52
7439-92-1	LEAD, TOTAL	235			P	1	1.5	0.49
7439-97-6	MERCURY, TOTAL	0.98		N	CV	1	0.089	0.01
7439-98-7	MOLYBDENUM, TOTAL	1.9	B		P	1	30	0.60
7440-02-0	NICKEL, TOTAL	62.8			P	1	12	0.46
7782-49-2	SELENIUM, TOTAL	1.2	B		P	1	3.0	1.07
7440-22-4	SILVER, TOTAL	28.6			P	1	4.5	0.31
7440-28-0	THALLIUM, TOTAL	1.83	U		P	1	4.5	1.83
7440-62-2	VANADIUM, TOTAL	120			P	1	7.4	0.41
7440-66-6	ZINC, TOTAL	636			P	1	7.4	0.18

Color Before: N/A Texture: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SD-29-01

Matrix: SOIL **SDG Name:** MID-6

Percent Solids: 36.4 **Lab Sample ID:** WV5605-011

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-36-0	ANTIMONY, TOTAL	1.2	B	N	P	1	1.7	0.87
7440-38-2	ARSENIC, TOTAL	3.9			P	1	1.7	0.73
7440-39-3	BARIUM, TOTAL	63.5			P	1	1.1	0.06
7440-41-7	BERYLLIUM, TOTAL	2.1			P	1	1.1	0.07
7440-43-9	CADMIUM, TOTAL	40.5			P	1	2.1	0.09
7440-47-3	CHROMIUM, TOTAL	817		N	P	1	3.2	0.21
7440-48-4	COBALT, TOTAL	17.3			P	1	6.4	0.24
7440-50-8	COPPER, TOTAL	67.5		N*E	P	1	5.3	0.37
7439-92-1	LEAD, TOTAL	136			P	1	1.1	0.35
7439-97-6	MERCURY, TOTAL	0.1		N	CV	1	0.073	0.01
7439-98-7	MOLYBDENUM, TOTAL	1.7	B		P	1	21	0.43
7440-02-0	NICKEL, TOTAL	43.1			P	1	8.5	0.33
7782-49-2	SELENIUM, TOTAL	1.3	B		P	1	2.1	0.76
7440-22-4	SILVER, TOTAL	12.6			P	1	3.2	0.22
7440-28-0	THALLIUM, TOTAL	1.30	U		P	1	3.2	1.30
7440-62-2	VANADIUM, TOTAL	57.0			P	1	5.3	0.29
7440-66-6	ZINC, TOTAL	456			P	1	5.3	0.13

Color Before: N/A Texture: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SD-29-02

Matrix: SOIL **SDG Name:** MID-6

Percent Solids: 57.8 **Lab Sample ID:** WV5605-012

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-36-0	ANTIMONY, TOTAL	0.85	B	N	P	1	0.92	0.47
7440-38-2	ARSENIC, TOTAL	5.9			P	1	0.92	0.40
7440-39-3	BARIUM, TOTAL	26.8			P	1	0.58	0.03
7440-41-7	BERYLLIUM, TOTAL	2.0			P	1	0.58	0.04
7440-43-9	CADMIUM, TOTAL	0.57	B		P	1	1.2	0.05
7440-47-3	CHROMIUM, TOTAL	47.9		N	P	1	1.7	0.12
7440-48-4	COBALT, TOTAL	9.8			P	1	3.5	0.13
7440-50-8	COPPER, TOTAL	21.5		N*E	P	1	2.9	0.20
7439-92-1	LEAD, TOTAL	18.3			P	1	0.58	0.19
7439-97-6	MERCURY, TOTAL	0.25		N	CV	1	0.052	0.01
7439-98-7	MOLYBDENUM, TOTAL	0.84	B		P	1	12	0.23
7440-02-0	NICKEL, TOTAL	24.2			P	1	4.6	0.18
7782-49-2	SELENIUM, TOTAL	0.83	U		P	2	2.3	0.83
7440-22-4	SILVER, TOTAL	0.17	B		P	1	1.7	0.12
7440-28-0	THALLIUM, TOTAL	0.71	U		P	1	1.7	0.71
7440-62-2	VANADIUM, TOTAL	43.5			P	2	5.8	0.31
7440-66-6	ZINC, TOTAL	62.1			P	1	2.9	0.07

Color Before: N/A Texture: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SD-29-SS

Matrix: SOIL **SDG Name:** MID-6

Percent Solids: 33.5 **Lab Sample ID:** WV5605-010

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-36-0	ANTIMONY, TOTAL	1.09	U	N	P	1	2.1	1.09
7440-38-2	ARSENIC, TOTAL	8.3			P	1	2.1	0.92
7440-39-3	BARIUM, TOTAL	63.3			P	1	1.3	0.07
7440-41-7	BERYLLIUM, TOTAL	2.3			P	1	1.3	0.09
7440-43-9	CADMIUM, TOTAL	10.3			P	1	2.7	0.11
7440-47-3	CHROMIUM, TOTAL	253		N	P	1	4.0	0.27
7440-48-4	COBALT, TOTAL	22.8			P	1	8.0	0.30
7440-50-8	COPPER, TOTAL	93.5		N*E	P	1	6.6	0.46
7439-92-1	LEAD, TOTAL	198			P	1	1.3	0.44
7439-97-6	MERCURY, TOTAL	0.84		N	CV	1	0.082	0.01
7439-98-7	MOLYBDENUM, TOTAL	1.4	B		P	1	27	0.53
7440-02-0	NICKEL, TOTAL	52.5			P	1	11	0.41
7782-49-2	SELENIUM, TOTAL	1.4	B		P	1	2.7	0.96
7440-22-4	SILVER, TOTAL	3.1	B		P	1	4.0	0.28
7440-28-0	THALLIUM, TOTAL	1.63	U		P	1	4.0	1.63
7440-62-2	VANADIUM, TOTAL	69.7			P	1	6.6	0.36
7440-66-6	ZINC, TOTAL	414			P	1	6.6	0.16

Color Before: N/A Texture: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SD-30-SS

Matrix: SOIL **SDG Name:** MID-6

Percent Solids: 24.8 **Lab Sample ID:** WV5605-013

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-36-0	ANTIMONY, TOTAL	1.24	U	N	P	1	2.4	1.24
7440-38-2	ARSENIC, TOTAL	10.1			P	1	2.4	1.04
7440-39-3	BARIUM, TOTAL	55.8			P	1	1.5	0.08
7440-41-7	BERYLLIUM, TOTAL	1.9			P	1	1.5	0.11
7440-43-9	CADMIUM, TOTAL	3.9			P	1	3.0	0.12
7440-47-3	CHROMIUM, TOTAL	140		N	P	1	4.5	0.30
7440-48-4	COBALT, TOTAL	18.6			P	1	9.0	0.34
7440-50-8	COPPER, TOTAL	136		N*E	P	1	7.5	0.52
7439-92-1	LEAD, TOTAL	109			P	1	1.5	0.50
7439-97-6	MERCURY, TOTAL	3.5		N	CV	1	0.11	0.01
7439-98-7	MOLYBDENUM, TOTAL	0.97	B		P	1	30	0.60
7440-02-0	NICKEL, TOTAL	37.3			P	1	12	0.46
7782-49-2	SELENIUM, TOTAL	1.9	B		P	1	3.0	1.08
7440-22-4	SILVER, TOTAL	1.6	B		P	1	4.5	0.31
7440-28-0	THALLIUM, TOTAL	1.85	U		P	1	4.5	1.85
7440-62-2	VANADIUM, TOTAL	53.3			P	1	7.5	0.41
7440-66-6	ZINC, TOTAL	338			P	1	7.5	0.18

Color Before: N/A Texture: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SD-31-01

Matrix: SOIL **SDG Name:** MID-6

Percent Solids: 44.6 **Lab Sample ID:** WV5605-015

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-36-0	ANTIMONY, TOTAL	1.64	U	N	P	2	3.2	1.64
7440-38-2	ARSENIC, TOTAL	12.6			P	2	3.2	1.38
7440-39-3	BARIUM, TOTAL	76.6			P	2	2.0	0.11
7440-41-7	BERYLLIUM, TOTAL	3.6			P	2	2.0	0.14
7440-43-9	CADMIUM, TOTAL	0.28	B		P	2	4.0	0.16
7440-47-3	CHROMIUM, TOTAL	75.0		N	P	2	6.0	0.40
7440-48-4	COBALT, TOTAL	29.0			P	2	12	0.45
7440-50-8	COPPER, TOTAL	38.7		N*E	P	2	10	0.70
7439-92-1	LEAD, TOTAL	52.3			P	2	2.0	0.66
7439-97-6	MERCURY, TOTAL	0.09		N	CV	1	0.067	0.01
7439-98-7	MOLYBDENUM, TOTAL	2.2	B		P	2	40	0.80
7440-02-0	NICKEL, TOTAL	46.1			P	2	16	0.61
7782-49-2	SELENIUM, TOTAL	1.44	U		P	2	4.0	1.44
7440-22-4	SILVER, TOTAL	0.42	U		P	2	6.0	0.42
7440-28-0	THALLIUM, TOTAL	2.45	U		P	2	6.0	2.45
7440-62-2	VANADIUM, TOTAL	72.9			P	2	10	0.54
7440-66-6	ZINC, TOTAL	179			P	2	10	0.24

Color Before: N/A Texture: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SD-31-02

Matrix: SOIL **SDG Name:** MID-6

Percent Solids: 32.4 **Lab Sample ID:** WV5605-016

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-36-0	ANTIMONY, TOTAL	1.0	B	N	P	1	1.7	0.88
7440-38-2	ARSENIC, TOTAL	8.1			P	1	1.7	0.73
7440-39-3	BARIUM, TOTAL	45.7			P	1	1.1	0.06
7440-41-7	BERYLLIUM, TOTAL	1.9			P	1	1.1	0.07
7440-43-9	CADMIUM, TOTAL	2.9			P	1	2.1	0.09
7440-47-3	CHROMIUM, TOTAL	102		N	P	1	3.2	0.22
7440-48-4	COBALT, TOTAL	17.7			P	1	6.4	0.24
7440-50-8	COPPER, TOTAL	46.0		N*E	P	1	5.3	0.37
7439-92-1	LEAD, TOTAL	58.5			P	1	1.1	0.35
7439-97-6	MERCURY, TOTAL	0.40		N	CV	1	0.085	0.01
7439-98-7	MOLYBDENUM, TOTAL	0.54	B		P	1	21	0.43
7440-02-0	NICKEL, TOTAL	31.0			P	1	8.5	0.33
7782-49-2	SELENIUM, TOTAL	0.76	U		P	1	2.1	0.76
7440-22-4	SILVER, TOTAL	0.85	B		P	1	3.2	0.22
7440-28-0	THALLIUM, TOTAL	1.31	U		P	1	3.2	1.31
7440-62-2	VANADIUM, TOTAL	40.4			P	1	5.3	0.29
7440-66-6	ZINC, TOTAL	186			P	1	5.3	0.13

Color Before: N/A Texture: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SD-31-SS

Matrix: SOIL **SDG Name:** MID-6

Percent Solids: 38.1 **Lab Sample ID:** WV5605-014

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-36-0	ANTIMONY, TOTAL	0.74	U	N	P	1	1.4	0.74
7440-38-2	ARSENIC, TOTAL	6.2			P	1	1.4	0.62
7440-39-3	BARIUM, TOTAL	37.3			P	1	0.90	0.05
7440-41-7	BERYLLIUM, TOTAL	1.9			P	1	0.90	0.06
7440-43-9	CADMIUM, TOTAL	0.37	B		P	1	1.8	0.07
7440-47-3	CHROMIUM, TOTAL	46.0		N	P	1	2.7	0.18
7440-48-4	COBALT, TOTAL	16.1			P	1	5.4	0.20
7440-50-8	COPPER, TOTAL	24.3		N*E	P	1	4.5	0.31
7439-92-1	LEAD, TOTAL	34.4			P	1	0.90	0.30
7439-97-6	MERCURY, TOTAL	0.19		N	CV	1	0.071	0.01
7439-98-7	MOLYBDENUM, TOTAL	1.2	B		P	1	18	0.36
7440-02-0	NICKEL, TOTAL	25.0			P	1	7.2	0.27
7782-49-2	SELENIUM, TOTAL	0.65	U		P	1	1.8	0.65
7440-22-4	SILVER, TOTAL	0.19	U		P	1	2.7	0.19
7440-28-0	THALLIUM, TOTAL	1.10	U		P	1	2.7	1.10
7440-62-2	VANADIUM, TOTAL	38.2			P	1	4.5	0.24
7440-66-6	ZINC, TOTAL	105			P	1	4.5	0.11

Color Before: N/A Texture: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SD-32-SS

Matrix: SOIL **SDG Name:** MID-6

Percent Solids: 20.0 **Lab Sample ID:** WV5605-017

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-36-0	ANTIMONY, TOTAL	1.73	U	N	P	1	3.4	1.73
7440-38-2	ARSENIC, TOTAL	12.1			P	1	3.4	1.45
7440-39-3	BARIUM, TOTAL	72.1			P	1	2.1	0.11
7440-41-7	BERYLLIUM, TOTAL	1.9	B		P	1	2.1	0.15
7440-43-9	CADMIUM, TOTAL	3.0	B		P	1	4.2	0.17
7440-47-3	CHROMIUM, TOTAL	152		N	P	1	6.3	0.42
7440-48-4	COBALT, TOTAL	19.8			P	1	13	0.47
7440-50-8	COPPER, TOTAL	152		N*E	P	1	10	0.73
7439-92-1	LEAD, TOTAL	117			P	1	2.1	0.69
7439-97-6	MERCURY, TOTAL	0.52		N	CV	1	0.15	0.02
7439-98-7	MOLYBDENUM, TOTAL	1.5	B		P	1	42	0.84
7440-02-0	NICKEL, TOTAL	41.5			P	1	17	0.64
7782-49-2	SELENIUM, TOTAL	1.51	U		P	1	4.2	1.51
7440-22-4	SILVER, TOTAL	1.1	B		P	1	6.3	0.44
7440-28-0	THALLIUM, TOTAL	4.0	B		P	1	6.3	2.58
7440-62-2	VANADIUM, TOTAL	62.9			P	1	10	0.57
7440-66-6	ZINC, TOTAL	350			P	1	10	0.25

Color Before: N/A Texture: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SD-33-SS

Matrix: SOIL **SDG Name:** MID-6

Percent Solids: 24.5 **Lab Sample ID:** WV5605-018

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-36-0	ANTIMONY, TOTAL	1.39	U	N	P	1	2.7	1.39
7440-38-2	ARSENIC, TOTAL	10.3			P	1	2.7	1.16
7440-39-3	BARIUM, TOTAL	57.7			P	1	1.7	0.09
7440-41-7	BERYLLIUM, TOTAL	1.8			P	1	1.7	0.12
7440-43-9	CADMIUM, TOTAL	3.9			P	1	3.4	0.13
7440-47-3	CHROMIUM, TOTAL	154		N	P	1	5.0	0.34
7440-48-4	COBALT, TOTAL	18.3			P	1	10	0.38
7440-50-8	COPPER, TOTAL	141		N*E	P	1	8.4	0.59
7439-92-1	LEAD, TOTAL	114			P	1	1.7	0.56
7439-97-6	MERCURY, TOTAL	0.49		N	CV	1	0.12	0.01
7439-98-7	MOLYBDENUM, TOTAL	1.5	B		P	1	34	0.67
7440-02-0	NICKEL, TOTAL	38.0			P	1	13	0.52
7782-49-2	SELENIUM, TOTAL	1.21	U		P	1	3.4	1.21
7440-22-4	SILVER, TOTAL	1.2	B		P	1	5.0	0.35
7440-28-0	THALLIUM, TOTAL	2.07	U		P	1	5.0	2.07
7440-62-2	VANADIUM, TOTAL	55.9			P	1	8.4	0.46
7440-66-6	ZINC, TOTAL	339			P	1	8.4	0.20

Color Before: N/A Texture: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SD-34-SS

Matrix: SOIL **SDG Name:** MID-6

Percent Solids: 39.3 **Lab Sample ID:** WV5605-019

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-36-0	ANTIMONY, TOTAL	0.72	U	N	P	1	1.4	0.72
7440-38-2	ARSENIC, TOTAL	6.7			P	1	1.4	0.61
7440-39-3	BARIUM, TOTAL	36.2			P	1	0.88	0.05
7440-41-7	BERYLLIUM, TOTAL	1.2			P	1	0.88	0.06
7440-43-9	CADMIUM, TOTAL	3.7			P	1	1.8	0.07
7440-47-3	CHROMIUM, TOTAL	105		N	P	1	2.6	0.18
7440-48-4	COBALT, TOTAL	13.5			P	1	5.3	0.20
7440-50-8	COPPER, TOTAL	94.5		N*E	P	1	4.4	0.31
7439-92-1	LEAD, TOTAL	78.4			P	1	0.88	0.29
7439-97-6	MERCURY, TOTAL	0.34		N	CV	1	0.067	0.01
7439-98-7	MOLYBDENUM, TOTAL	0.89	B		P	1	18	0.35
7440-02-0	NICKEL, TOTAL	23.9			P	1	7.0	0.27
7782-49-2	SELENIUM, TOTAL	0.63	U		P	1	1.8	0.63
7440-22-4	SILVER, TOTAL	0.94	B		P	1	2.6	0.18
7440-28-0	THALLIUM, TOTAL	1.08	U		P	1	2.6	1.08
7440-62-2	VANADIUM, TOTAL	35.0			P	1	4.4	0.24
7440-66-6	ZINC, TOTAL	225			P	1	4.4	0.10

Color Before: N/A Texture: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SD-35-SS

Matrix: SOIL **SDG Name:** MID-6

Percent Solids: 26.6 **Lab Sample ID:** WV5605-020

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-36-0	ANTIMONY, TOTAL	1.17	U	N	P	1	2.3	1.17
7440-38-2	ARSENIC, TOTAL	12.0			P	1	2.3	0.98
7440-39-3	BARIUM, TOTAL	64.1			P	1	1.4	0.08
7440-41-7	BERYLLIUM, TOTAL	1.9			P	1	1.4	0.10
7440-43-9	CADMIUM, TOTAL	4.2			P	1	2.8	0.11
7440-47-3	CHROMIUM, TOTAL	172		N	P	1	4.3	0.29
7440-48-4	COBALT, TOTAL	20.7			P	1	8.5	0.32
7440-50-8	COPPER, TOTAL	154		N*E	P	1	7.1	0.50
7439-92-1	LEAD, TOTAL	127			P	1	1.4	0.47
7439-97-6	MERCURY, TOTAL	0.51		N	CV	1	0.10	0.01
7439-98-7	MOLYBDENUM, TOTAL	1.2	B		P	1	28	0.57
7440-02-0	NICKEL, TOTAL	41.6			P	1	11	0.44
7782-49-2	SELENIUM, TOTAL	1.02	U		P	1	2.8	1.02
7440-22-4	SILVER, TOTAL	1.6	B		P	1	4.3	0.30
7440-28-0	THALLIUM, TOTAL	1.75	U		P	1	4.3	1.75
7440-62-2	VANADIUM, TOTAL	62.1			P	1	7.1	0.39
7440-66-6	ZINC, TOTAL	360			P	1	7.1	0.17

Color Before: N/A Texture: N/A

Color After: N/A Clarity After: N/A

Comments:

Katahdin
ANALYTICAL SERVICES

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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: WV5605-1
Report Date: 01-NOV-05
Client PO: 1004810
Project: MIDDLE RIVER
SDG: MID-6

Sample Description	Matrix	Date Sampled	Date Received
SD-24-SS	SL	21-OCT-05	22-OCT-05

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Chromium, Hexavalent	U0.74 mg/Kgdrywt	.74	SW846 7196A	WG22103	27-OCT-05 09:49:00	SW846 3060A	26-OCT-05	MW	
Total Solids	68. %	1	CLP SOW 788	WG22066	26-OCT-05 13:00:00	CLP SOW 788	25-OCT-05	JF	

Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WV5605-2
Report Date: 01-NOV-05
Client PO: 1004810
Project: MIDDLE RIVER
SDG: MID-6

Sample Description	Matrix	Date Sampled	Date Received
SD-25-SS	SL	21-OCT-05	22-OCT-05

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Chromium, Hexavalent	U1.1 mg/Kgdrywt	1.1	SW846 7196A	WG22103	27-OCT-05 09:49:00	SW846 3060A	26-OCT-05	MW	
TOC In Soil	28000 ug/g	940	LLOYDKAHN	WG22228	28-OCT-05 10:10:24	N/A	N/A	CP	
Total Solids	42. %	1	CLP SOW 788	WG22066	26-OCT-05 12:55:00	CLP SOW 788	25-OCT-05	JF	

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Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WV5605-3
Report Date: 01-NOV-05
Client PO: 1004810
Project: MIDDLE RIVER
SDG: MID-6

Sample Description	Matrix	Date Sampled	Date Received
SD-26-SS	SL	21-OCT-05	22-OCT-05

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Chromium, Hexavalent	U2.2 mg/Kgdrywt	2.2	SW846 7196A	WG22103	27-OCT-05 09:49:00	SW846 3060A	26-OCT-05	MW	
Total Solids	22. %	1	CLP SOW 788	WG22066	26-OCT-05 12:57:00	CLP SOW 788	25-OCT-05	JF	

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Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WV5605-5
Report Date: 01-NOV-05
Client PO: 1004810
Project: MIDDLE RIVER
SDG: MID-6

Sample Description	Matrix	Date Sampled	Date Received
SD-27-01	SL	21-OCT-05	22-OCT-05

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Chromium, Hexavalent	U1.4 mg/Kgdrywt	1.4	SW846 7196A	WG22103	27-OCT-05 09:49:00	SW846 3060A	26-OCT-05	MW	
Total Solids	35.%	1	CLP SOW 788	WG22066	26-OCT-05 13:00:01	CLP SOW 788	25-OCT-05	JF	

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Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WV5605-6
Report Date: 01-NOV-05
Client PO: 1004810
Project: MIDDLE RIVER
SDG: MID-6

Sample Description	Matrix	Date Sampled	Date Received
SD-27-02	SL	21-OCT-05	22-OCT-05

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Chromium, Hexavalent	U0.68 mg/Kgdrywt	.68	SW846 7196A	WG22103	27-OCT-05 09:49:00	SW846 3060A	26-OCT-05	MW	
Total Solids	72. %	1	CLP SOW 788	WG22066	26-OCT-05 13:02:00	CLP SOW 788	25-OCT-05	JF	

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Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WV5605-4
Report Date: 01-NOV-05
Client PO: 1004810
Project: MIDDLE RIVER
SDG: MID-6

Sample Description	Matrix	Date Sampled	Date Received
SD-27-SS	SL	21-OCT-05	22-OCT-05

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Chromium, Hexavalent	U1.4 mg/Kgdrywt	1.4	SW846 7196A	WG22159	28-OCT-05 09:20:00	SW846 3060A	27-OCT-05	MW	
TOC In Soil	47000 ug/g	1100	LLOYDKAHN	WG22228	28-OCT-05 11:43:13	N/A	N/A	CP	
Total Solids	35. %	1	CLP SOW 788	WG22066	26-OCT-05 12:58:00	CLP SOW 788	25-OCT-05	JF	

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Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WV5605-8
Report Date: 01-NOV-05
Client PO: 1004810
Project: MIDDLE RIVER
SDG: MID-6

Sample Description	Matrix	Date Sampled	Date Received
SD-28-01	SL	21-OCT-05	22-OCT-05

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Chromium, Hexavalent	U1.2 mg/Kgdrywt	1.2	SW846 7196A	WG22103	27-OCT-05 09:49:00	SW846 3060A	26-OCT-05	MW	
Total Solids	39. %	1	CLP SOW 788	WG22066	26-OCT-05 13:04:00	CLP SOW 788	25-OCT-05	JF	

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Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WV5605-9
Report Date: 01-NOV-05
Client PO: 1004810
Project: MIDDLE RIVER
SDG: MID-6

Sample Description	Matrix	Date Sampled	Date Received
SD-28-02	SL	21-OCT-05	22-OCT-05

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Chromium, Hexavalent	U1.1 mg/Kgdrywt	1.1	SW846 7196A	WG22103	27-OCT-05 09:49:00	SW846 3060A	26-OCT-05	MW	
Total Solids	44. %	1	CLP SOW 788	WG22066	26-OCT-05 13:05:00	CLP SOW 788	25-OCT-05	JF	

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Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WV5605-7
Report Date: 01-NOV-05
Client PO: 1004810
Project: MIDDLE RIVER
SDG: MID-6

Sample Description	Matrix	Date Sampled	Date Received
SD-28-SS	SL	21-OCT-05	22-OCT-05

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Chromium, Hexavalent	U1.7 mg/Kgdrywt	1.7	SW846 7196A	WG22103	27-OCT-05 09:49:00	SW846 3060A	26-OCT-05	MW	
Total Solids	29. %	1	CLP SOW 788	WG22066	26-OCT-05 13:03:00	CLP SOW 788	25-OCT-05	JF	

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Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WV5605-11
Report Date: 01-NOV-05
Client PO: 1004810
Project: MIDDLE RIVER
SDG: MID-6

Sample Description	Matrix	Date Sampled	Date Received
SD-29-01	SL	21-OCT-05	22-OCT-05

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Chromium, Hexavalent	U1.4 mg/Kgdrywt	1.4	SW846 7196A	WG22103	27-OCT-05 09:49:00	SW846 3060A	26-OCT-05	MW	
Total Solids	36. %	1	CLP SOW 788	WG22066	26-OCT-05 13:09:00	CLP SOW 788	25-OCT-05	JF	

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ANALYTICAL SERVICES

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Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WV5605-12
Report Date: 01-NOV-05
Client PO: 1004810
Project: MIDDLE RIVER
SDG: MID-6

Sample Description	Matrix	Date Sampled	Date Received
SD-29-02	SL	21-OCT-05	22-OCT-05

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Chromium, Hexavalent	U0.87 mg/Kgdrywt	.87	SW846 7196A	WG22159	28-OCT-05 09:20:00	SW846 3060A	27-OCT-05	MW	
Total Solids	58. %	1	CLP SOW 788	WG22066	26-OCT-05 13:10:00	CLP SOW 788	25-OCT-05	JF	

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Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WV5605-10
Report Date: 01-NOV-05
Client PO: 1004810
Project: MIDDLE RIVER
SDG: MID-6

Sample Description	Matrix	Date Sampled	Date Received
SD-29-SS	SL	21-OCT-05	22-OCT-05

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Chromium, Hexavalent	U1.5 mg/Kgdrywt	1.5	SW846 7196A	WG22103	27-OCT-05 09:49:00	SW846 3060A	26-OCT-05	MW	
Total Solids	34.%	1	CLP SOW 788	WG22066	26-OCT-05 13:08:00	CLP SOW 788	25-OCT-05	JF	

Katahdin
ANALYTICAL SERVICES

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Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WV5605-13
Report Date: 01-NOV-05
Client PO: 1004810
Project: MIDDLE RIVER
SDG: MID-6

Sample Description	Matrix	Date Sampled	Date Received
SD-30-SS	SL	21-OCT-05	22-OCT-05

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Chromium, Hexavalent	U2.0 mg/Kgdrywt	2	SW846 7196A	WG22159	28-OCT-05 09:20:00	SW846 3060A	27-OCT-05	MW	
Total Solids	25. %	1	CLP SOW 788	WG22066	26-OCT-05 13:11:00	CLP SOW 788	25-OCT-05	JF	

Katahdin
ANALYTICAL SERVICES

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Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WV5605-15
Report Date: 01-NOV-05
Client PO: 1004810
Project: MIDDLE RIVER
SDG: MID-6

Sample Description	Matrix	Date Sampled	Date Received
SD-31-01	SL	21-OCT-05	22-OCT-05

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Chromium, Hexavalent	U1.1 mg/Kgdrywt	1.1	SW846 7196A	WG22159	28-OCT-05 09:20:00	SW846 3060A	27-OCT-05	MW	
Total Solids	45. %	1	CLP SOW 788	WG22066	26-OCT-05 13:13:00	CLP SOW 788	25-OCT-05	JF	

Katahdin
ANALYTICAL SERVICES

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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: WV5605-16
Report Date: 01-NOV-05
Client PO: 1004810
Project: MIDDLE RIVER
SDG: MID-6

Sample Description	Matrix	Date Sampled	Date Received
SD-31-02	SL	21-OCT-05	22-OCT-05

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Chromium, Hexavalent	U1.5 mg/Kgdrywt	1.5	SW846 7196A	WG22234	29-OCT-05 10:04:00	SW846 3060A	28-OCT-05	MW	
TOC In Soil	54000 ug/g	1200	LLOYDKAHN	WG22229	29-OCT-05 12:16:50	N/A	N/A	CP	
Total Solids	32. %	1	CLP SOW 788	WG22066	26-OCT-05 13:06:00	CLP SOW 788	25-OCT-05	JF	

Katahdin
ANALYTICAL SERVICES

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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: WV5605-14
Report Date: 01-NOV-05
Client PO: 1004810
Project: MIDDLE RIVER
SDG: MID-6

Sample Description	Matrix	Date Sampled	Date Received
SD-31-SS	SL	21-OCT-05	22-OCT-05

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Chromium, Hexavalent	U1.3 mg/Kgdrywt	1.3	SW846 7196A	WG22159	28-OCT-05 09:20:00	SW846 3060A	27-OCT-05	MW	
Total Solids	38. %	1	CLP SOW 788	WG22066	26-OCT-05 13:12:00	CLP SOW 788	25-OCT-05	JF	

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WV5605-17
Report Date: 01-NOV-05
Client PO: 1004810
Project: MIDDLE RIVER
SDG: MID-6

Sample Description	Matrix	Date Sampled	Date Received
SD-32-SS	SL	21-OCT-05	22-OCT-05

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Chromium, Hexavalent	U2.5 mg/Kgdrywt	2.5	SW846 7196A	WG22159	28-OCT-05 09:20:00	SW846 3060A	27-OCT-05	MW	
Total Solids	20. %	1	CLP SOW 788	WG22066	26-OCT-05 13:14:00	CLP SOW 788	25-OCT-05	JF	

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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: WV5605-18
Report Date: 01-NOV-05
Client PO: 1004810
Project: MIDDLE RIVER
SDG: MID-6

Sample Description	Matrix	Date Sampled	Date Received
SD-33-SS	SL	21-OCT-05	22-OCT-05

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Chromium, Hexavalent	U2.0 mg/Kgdrywt	2	SW846 7196A	WG22159	28-OCT-05 09:20:00	SW846 3060A	27-OCT-05	MW	
TOC In Soil	51000 ug/g	1600	LLOYDKAHN	WG22228	28-OCT-05 12:29:08	N/A	N/A	CP	
Total Solids	24. %	1	CLP SOW 788	WG22066	26-OCT-05 13:15:00	CLP SOW 788	25-OCT-05	JF	

Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WV5605-19
Report Date: 01-NOV-05
Client PO: 1004810
Project: MIDDLE RIVER
SDG: MID-6

Sample Description	Matrix	Date Sampled	Date Received
SD-34-SS	SL	21-OCT-05	22-OCT-05

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Chromium, Hexavalent	U1.3 mg/Kgdrywt	1.3	SW846 7196A	WG22159	28-OCT-05 09:20:00	SW846 3060A	27-OCT-05	MW	
Total Solids	39. %	1	CLP SOW 788	WG22066	26-OCT-05 13:16:00	CLP SOW 788	25-OCT-05	JF	

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ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WV5605-20
Report Date: 01-NOV-05
Client PO: 1004810
Project: MIDDLE RIVER
SDG: MID-6

Sample Description	Matrix	Date Sampled	Date Received
SD-35-SS	SL	21-OCT-05	22-OCT-05

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Chromium, Hexavalent	U1.9 mg/Kgdrywt	1.9	SW846 7196A	WG22159	28-OCT-05 09:20:00	SW846 3060A	27-OCT-05	MW	
TOC In Soil	47000 ug/g	1500	LLOYDKAHN	WG22228	28-OCT-05 14:14:25	N/A	N/A	CP	
Total Solids	27. %	1	CLP SOW 788	WG22068	26-OCT-05 13:19:00	CLP SOW 788	25-OCT-05	JF	

APPENDIX C

SUPPORT DOCUMENTATION

HOLDTIME

SDG MID-6

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
HG	MG/KG	SD-25-SS	WV5605-002	NM	10/21/2005	10/26/2005	10/27/2005	5	1	6
HG	MG/KG	SD-35-SS	WV5605-020	NM	10/21/2005	10/26/2005	10/27/2005	5	1	6
HG	MG/KG	SD-34-SS	WV5605-019	NM	10/21/2005	10/26/2005	10/27/2005	5	1	6
HG	MG/KG	SD-33-SS	WV5605-018	NM	10/21/2005	10/26/2005	10/27/2005	5	1	6
HG	MG/KG	SD-32-SS	WV5605-017	NM	10/21/2005	10/26/2005	10/27/2005	5	1	6
HG	MG/KG	SD-31-02	WV5605-016	NM	10/21/2005	10/26/2005	10/27/2005	5	1	6
HG	MG/KG	SD-24-SS	WV5605-001	NM	10/21/2005	10/26/2005	10/27/2005	5	1	6
HG	MG/KG	SD-26-SS	WV5605-003	NM	10/21/2005	10/26/2005	10/27/2005	5	1	6
HG	MG/KG	SD-27-01	WV5605-005	NM	10/21/2005	10/26/2005	10/27/2005	5	1	6
HG	MG/KG	SD-27-02	WV5605-006	NM	10/21/2005	10/26/2005	10/27/2005	5	1	6
HG	MG/KG	SD-30-SS	WV5605-013	NM	10/21/2005	10/26/2005	10/27/2005	5	1	6
HG	MG/KG	SD-31-SS	WV5605-014	NM	10/21/2005	10/26/2005	10/27/2005	5	1	6
HG	MG/KG	SD-31-01	WV5605-015	NM	10/21/2005	10/26/2005	10/27/2005	5	1	6
HG	MG/KG	SD-27-SS	WV5605-004	NM	10/21/2005	10/26/2005	10/27/2005	5	1	6
HG	MG/KG	SD-29-SS	WV5605-010	NM	10/21/2005	10/26/2005	10/27/2005	5	1	6

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
HG	MG/KG	SD-29-02	WV5605-012	NM	10/21/2005	10/26/2005	10/27/2005	5	1	6
HG	MG/KG	SD-29-01	WV5605-011	NM	10/21/2005	10/26/2005	10/27/2005	5	1	6
HG	MG/KG	SD-28-SS	WV5605-007	NM	10/21/2005	10/26/2005	10/27/2005	5	1	6
HG	MG/KG	SD-28-02	WV5605-009	NM	10/21/2005	10/26/2005	10/27/2005	5	1	6
HG	MG/KG	SD-28-01	WV5605-008	NM	10/21/2005	10/26/2005	10/27/2005	5	1	6
M	MG/KG	SD-28-01	WV5605-008	NM	10/21/2005	10/27/2005	11/2/2005	6	6	12
M	MG/KG	SD-24-SS	WV5605-001	NM	10/21/2005	10/27/2005	11/3/2005	6	7	13
M	MG/KG	SD-25-SS	WV5605-002	NM	10/21/2005	10/27/2005	11/2/2005	6	6	12
M	MG/KG	SD-25-SS	WV5605-002	NM	10/21/2005	10/27/2005	11/3/2005	6	7	13
M	MG/KG	SD-26-SS	WV5605-003	NM	10/21/2005	10/27/2005	11/2/2005	6	6	12
M	MG/KG	SD-26-SS	WV5605-003	NM	10/21/2005	10/27/2005	11/3/2005	6	7	13
M	MG/KG	SD-27-01	WV5605-005	NM	10/21/2005	10/27/2005	11/2/2005	6	6	12
M	MG/KG	SD-27-02	WV5605-006	NM	10/21/2005	10/27/2005	11/2/2005	6	6	12
M	MG/KG	SD-24-SS	WV5605-001	NM	10/21/2005	10/27/2005	11/2/2005	6	6	12
M	MG/KG	SD-30-SS	WV5605-013	NM	10/21/2005	10/27/2005	11/3/2005	6	7	13
M	MG/KG	SD-35-SS	WV5605-020	NM	10/21/2005	10/27/2005	11/4/2005	6	8	14
M	MG/KG	SD-35-SS	WV5605-020	NM	10/21/2005	10/27/2005	11/2/2005	6	6	12
M	MG/KG	SD-34-SS	WV5605-019	NM	10/21/2005	10/27/2005	11/4/2005	6	8	14

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
M	MG/KG	SD-34-SS	WV5605-019	NM	10/21/2005	10/27/2005	11/2/2005	6	6	12
M	MG/KG	SD-33-SS	WV5605-018	NM	10/21/2005	10/27/2005	11/4/2005	6	8	14
M	MG/KG	SD-33-SS	WV5605-018	NM	10/21/2005	10/27/2005	11/2/2005	6	6	12
M	MG/KG	SD-32-SS	WV5605-017	NM	10/21/2005	10/27/2005	11/4/2005	6	8	14
M	MG/KG	SD-32-SS	WV5605-017	NM	10/21/2005	10/27/2005	11/2/2005	6	6	12
M	MG/KG	SD-31-SS	WV5605-014	NM	10/21/2005	10/27/2005	11/3/2005	6	7	13
M	MG/KG	SD-31-SS	WV5605-014	NM	10/21/2005	10/27/2005	11/2/2005	6	6	12
M	MG/KG	SD-31-02	WV5605-016	NM	10/21/2005	10/27/2005	11/3/2005	6	7	13
M	MG/KG	SD-31-02	WV5605-016	NM	10/21/2005	10/27/2005	11/2/2005	6	6	12
M	MG/KG	SD-27-SS	WV5605-004	NM	10/21/2005	10/27/2005	11/2/2005	6	6	12
M	MG/KG	SD-31-01	WV5605-015	NM	10/21/2005	10/27/2005	11/2/2005	6	6	12
M	MG/KG	SD-27-SS	WV5605-004	NM	10/21/2005	10/27/2005	11/3/2005	6	7	13
M	MG/KG	SD-30-SS	WV5605-013	NM	10/21/2005	10/27/2005	11/2/2005	6	6	12
M	MG/KG	SD-29-SS	WV5605-010	NM	10/21/2005	10/27/2005	11/3/2005	6	7	13
M	MG/KG	SD-29-SS	WV5605-010	NM	10/21/2005	10/27/2005	11/2/2005	6	6	12
M	MG/KG	SD-29-02	WV5605-012	NM	10/21/2005	10/27/2005	11/3/2005	6	7	13
M	MG/KG	SD-29-02	WV5605-012	NM	10/21/2005	10/27/2005	11/2/2005	6	6	12
M	MG/KG	SD-29-01	WV5605-011	NM	10/21/2005	10/27/2005	11/3/2005	6	7	13

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
M	MG/KG	SD-29-01	WV5605-011	NM	10/21/2005	10/27/2005	11/2/2005	6	6	12
M	MG/KG	SD-28-SS	WV5605-007	NM	10/21/2005	10/27/2005	11/3/2005	6	7	13
M	MG/KG	SD-28-SS	WV5605-007	NM	10/21/2005	10/27/2005	11/2/2005	6	6	12
M	MG/KG	SD-28-02	WV5605-009	NM	10/21/2005	10/27/2005	11/3/2005	6	7	13
M	MG/KG	SD-28-02	WV5605-009	NM	10/21/2005	10/27/2005	11/2/2005	6	6	12
M	MG/KG	SD-28-01	WV5605-008	NM	10/21/2005	10/27/2005	11/3/2005	6	7	13
M	MG/KG	SD-27-01	WV5605-005	NM	10/21/2005	10/27/2005	11/3/2005	6	7	13
M	MG/KG	SD-31-01	WV5605-015	NM	10/21/2005	10/27/2005	11/3/2005	6	7	13
M	MG/KG	SD-27-02	WV5605-006	NM	10/21/2005	10/27/2005	11/3/2005	6	7	13
CR6	MG/KG	SD-27-SS	WV5605-4	NM	10/21/2005	10/27/2005	10/28/2005	6	1	7
CR6	MG/KG	SD-35-SS	WV5605-20	NM	10/21/2005	10/27/2005	10/28/2005	6	1	7
CR6	MG/KG	SD-25-SS	WV5605-2	NM	10/21/2005	10/26/2005	10/27/2005	5	1	6
CR6	MG/KG	SD-26-SS	WV5605-3	NM	10/21/2005	10/26/2005	10/27/2005	5	1	6
CR6	MG/KG	SD-27-02	WV5605-6	NM	10/21/2005	10/26/2005	10/27/2005	5	1	6
CR6	MG/KG	SD-28-01	WV5605-8	NM	10/21/2005	10/26/2005	10/27/2005	5	1	6
CR6	MG/KG	SD-28-02	WV5605-9	NM	10/21/2005	10/26/2005	10/27/2005	5	1	6
CR6	MG/KG	SD-24-SS	WV5605-1	NM	10/21/2005	10/26/2005	10/27/2005	5	1	6
CR6	MG/KG	SD-28-SS	WV5605-7	NM	10/21/2005	10/26/2005	10/27/2005	5	1	6

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
CR6	MG/KG	SD-29-02	WV5605-12	NM	10/21/2005	10/27/2005	10/28/2005	6	1	7
CR6	MG/KG	SD-29-SS	WV5605-10	NM	10/21/2005	10/26/2005	10/27/2005	5	1	6
CR6	MG/KG	SD-30-SS	WV5605-13	NM	10/21/2005	10/27/2005	10/28/2005	6	1	7
CR6	MG/KG	SD-34-SS	WV5605-19	NM	10/21/2005	10/27/2005	10/28/2005	6	1	7
CR6	MG/KG	SD-31-01	WV5605-15	NM	10/21/2005	10/27/2005	10/28/2005	6	1	7
CR6	MG/KG	SD-33-SS	WV5605-18	NM	10/21/2005	10/27/2005	10/28/2005	6	1	7
CR6	MG/KG	SD-31-02	WV5605-16	NM	10/21/2005	10/28/2005	10/29/2005	7	1	8
CR6	MG/KG	SD-31-SS	WV5605-14	NM	10/21/2005	10/27/2005	10/28/2005	6	1	7
CR6	MG/KG	SD-32-SS	WV5605-17	NM	10/21/2005	10/27/2005	10/28/2005	6	1	7
CR6	MG/KG	SD-29-01	WV5605-11	NM	10/21/2005	10/26/2005	10/27/2005	5	1	6
CR6	MG/KG	SD-27-01	WV5605-5	NM	10/21/2005	10/26/2005	10/27/2005	5	1	6
TOC	UG/G	SD-25-SS	WV5605-2	NM	10/21/2005	10/28/2005	10/28/2005	7	0	7
TOC	UG/G	SD-35-SS	WV5605-20	NM	10/21/2005	10/28/2005	10/28/2005	7	0	7
TOC	UG/G	SD-33-SS	WV5605-18	NM	10/21/2005	10/28/2005	10/28/2005	7	0	7
TOC	UG/G	SD-27-SS	WV5605-4	NM	10/21/2005	10/28/2005	10/28/2005	7	0	7
TOC	UG/G	SD-31-02	WV5605-16	NM	10/21/2005	10/29/2005	10/29/2005	8	0	8
TS	%	SD-29-02	WV5605-12	NM	10/21/2005	10/25/2005	10/26/2005	4	1	5
TS	%	SD-32-SS	WV5605-17	NM	10/21/2005	10/25/2005	10/26/2005	4	1	5

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
TS	%	SD-33-SS	WV5605-18	NM	10/21/2005	10/25/2005	10/26/2005	4	1	5
TS	%	SD-35-SS	WV5605-20	NM	10/21/2005	10/25/2005	10/26/2005	4	1	5
TS	%	SD-31-SS	WV5605-14	NM	10/21/2005	10/25/2005	10/26/2005	4	1	5
TS	%	SD-31-02	WV5605-16	NM	10/21/2005	10/25/2005	10/26/2005	4	1	5
TS	%	SD-31-01	WV5605-15	NM	10/21/2005	10/25/2005	10/26/2005	4	1	5
TS	%	SD-30-SS	WV5605-13	NM	10/21/2005	10/25/2005	10/26/2005	4	1	5
TS	%	SD-29-SS	WV5605-10	NM	10/21/2005	10/25/2005	10/26/2005	4	1	5
TS	%	SD-24-SS	WV5605-1	NM	10/21/2005	10/25/2005	10/26/2005	4	1	5
TS	%	SD-28-SS	WV5605-7	NM	10/21/2005	10/25/2005	10/26/2005	4	1	5
TS	%	SD-28-02	WV5605-9	NM	10/21/2005	10/25/2005	10/26/2005	4	1	5
TS	%	SD-28-01	WV5605-8	NM	10/21/2005	10/25/2005	10/26/2005	4	1	5
TS	%	SD-27-SS	WV5605-4	NM	10/21/2005	10/25/2005	10/26/2005	4	1	5
TS	%	SD-27-02	WV5605-6	NM	10/21/2005	10/25/2005	10/26/2005	4	1	5
TS	%	SD-27-01	WV5605-5	NM	10/21/2005	10/25/2005	10/26/2005	4	1	5
TS	%	SD-26-SS	WV5605-3	NM	10/21/2005	10/25/2005	10/26/2005	4	1	5
TS	%	SD-25-SS	WV5605-2	NM	10/21/2005	10/25/2005	10/26/2005	4	1	5
TS	%	SD-29-01	WV5605-11	NM	10/21/2005	10/25/2005	10/26/2005	4	1	5
TS	%	SD-34-SS	WV5605-19	NM	10/21/2005	10/25/2005	10/26/2005	4	1	5

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
OS	%	SD-29-SS	WV5605-10	NM	10/21/2005	10/27/2005	10/30/2005	6	3	9
OS	%	SD-30-SS	WV5605-13	NM	10/21/2005	10/26/2005	10/29/2005	5	3	8
OS	%	SD-31-01	WV5605-15	NM	10/21/2005	10/26/2005	10/29/2005	5	3	8
OS	%	SD-32-SS	WV5605-17	NM	10/21/2005	10/26/2005	10/29/2005	5	3	8
OS	%	SD-35-SS	WV5605-20	NM	10/21/2005	10/26/2005	10/29/2005	5	3	8
OS	%	SD-29-02	WV5605-12	NM	10/21/2005	10/27/2005	10/30/2005	6	3	9
OS	%	SD-33-SS	WV5605-18	NM	10/21/2005	10/26/2005	10/29/2005	5	3	8
OS	%	SD-31-02	WV5605-16	NM	10/21/2005	10/26/2005	10/29/2005	5	3	8
OS	%	SD-34-SS	WV5605-19	NM	10/21/2005	10/26/2005	10/29/2005	5	3	8
OS	%	SD-25-SS	WV5605-2	NM	10/21/2005	10/27/2005	10/31/2005	6	4	10
OS	%	SD-31-SS	WV5605-14	NM	10/21/2005	10/26/2005	10/29/2005	5	3	8
OS	%	SD-29-01	WV5605-11	NM	10/21/2005	10/27/2005	10/30/2005	6	3	9
OS	%	SD-26-SS	WV5605-3	NM	10/21/2005	10/27/2005	10/31/2005	6	4	10
OS	%	SD-24-SS	WV5605-1	NM	10/21/2005	10/27/2005	10/31/2005	6	4	10
OS	%	SD-27-01	WV5605-5	NM	10/21/2005	10/27/2005	10/31/2005	6	4	10
OS	%	SD-27-02	WV5605-6	NM	10/21/2005	10/27/2005	10/30/2005	6	3	9
OS	%	SD-27-SS	WV5605-4	NM	10/21/2005	10/27/2005	10/31/2005	6	4	10
OS	%	SD-28-01	WV5605-8	NM	10/21/2005	10/27/2005	10/30/2005	6	3	9

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
OS	%	SD-28-02	WV5605-9	NM	10/21/2005	10/27/2005	10/30/2005	6	3	9
OS	%	SD-28-SS	WV5605-7	NM	10/21/2005	10/27/2005	10/30/2005	6	3	9
OS	UG/KG	SD-30-SS	WV5605-13	NM	10/21/2005	10/26/2005	10/29/2005	5	3	8
OS	UG/KG	SD-28-01	WV5605-8	NM	10/21/2005	10/27/2005	10/30/2005	6	3	9
OS	UG/KG	SD-25-SS	WV5605-2	NM	10/21/2005	10/27/2005	10/31/2005	6	4	10
OS	UG/KG	SD-26-SS	WV5605-3	NM	10/21/2005	10/27/2005	10/31/2005	6	4	10
OS	UG/KG	SD-27-01	WV5605-5	NM	10/21/2005	10/27/2005	10/31/2005	6	4	10
OS	UG/KG	SD-27-02	WV5605-6	NM	10/21/2005	10/27/2005	10/30/2005	6	3	9
OS	UG/KG	SD-27-SS	WV5605-4	NM	10/21/2005	10/27/2005	10/31/2005	6	4	10
OS	UG/KG	SD-24-SS	WV5605-1	NM	10/21/2005	10/27/2005	10/31/2005	6	4	10
OS	UG/KG	SD-28-02	WV5605-9	NM	10/21/2005	10/27/2005	10/30/2005	6	3	9
OS	UG/KG	SD-28-SS	WV5605-7	NM	10/21/2005	10/27/2005	10/30/2005	6	3	9
OS	UG/KG	SD-29-01	WV5605-11	NM	10/21/2005	10/27/2005	10/30/2005	6	3	9
OS	UG/KG	SD-29-SS	WV5605-10	NM	10/21/2005	10/27/2005	10/30/2005	6	3	9
OS	UG/KG	SD-31-01	WV5605-15	NM	10/21/2005	10/26/2005	10/29/2005	5	3	8
OS	UG/KG	SD-31-02	WV5605-16	NM	10/21/2005	10/26/2005	10/29/2005	5	3	8
OS	UG/KG	SD-31-SS	WV5605-14	NM	10/21/2005	10/26/2005	10/29/2005	5	3	8
OS	UG/KG	SD-32-SS	WV5605-17	NM	10/21/2005	10/26/2005	10/29/2005	5	3	8

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
OS	UG/KG	SD-33-SS	WV5605-18	NM	10/21/2005	10/26/2005	10/29/2005	5	3	8
OS	UG/KG	SD-34-SS	WV5605-19	NM	10/21/2005	10/26/2005	10/29/2005	5	3	8
OS	UG/KG	SD-35-SS	WV5605-20	NM	10/21/2005	10/26/2005	10/29/2005	5	3	8
OS	UG/KG	SD-29-02	WV5605-12	NM	10/21/2005	10/27/2005	10/30/2005	6	3	9
OV	%	SD-31-SS	WV5605-14	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	%	SD-25-SS	WV5605-2	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	%	SD-24-SS	WV5605-1	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	%	SD-35-SSRA2	WV5605-20RA2	NM	10/21/2005	10/28/2005	10/28/2005	7	0	7
OV	%	SD-34-SSRA	WV5605-19RA	NM	10/21/2005	10/28/2005	10/28/2005	7	0	7
OV	%	SD-34-SS	WV5605-19	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	%	SD-33-SSRA	WV5605-18RA	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	%	SD-33-SS	WV5605-18	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	%	SD-32-SS	WV5605-17	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	%	SD-31-02	WV5605-16	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	%	SD-31-01RA	WV5605-15RA	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	%	SD-31-01	WV5605-15	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	%	SD-30-SS	WV5605-13	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	%	SD-29-SSRA	WV5605-10RA	NM	10/21/2005	10/28/2005	10/28/2005	7	0	7

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
OV	%	SD-28-02	WV5605-9	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	%	SD-26-SS	WV5605-3	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	%	SD-32-SSRA	WV5605-17RA	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	%	SD-29-SS	WV5605-10	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	%	SD-27-02	WV5605-6	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	%	SD-27-01	WV5605-5	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	%	SD-28-01	WV5605-8	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	%	SD-27-01RA	WV5605-5RA	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	%	SD-28-SS	WV5605-7	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	%	SD-28-SSRA	WV5605-7RA	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	%	SD-29-01	WV5605-11	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	%	SD-29-01RA	WV5605-11RA	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	%	SD-29-02	WV5605-12	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	%	SD-27-SS	WV5605-4	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	UG/KG	SD-30-SS	WV5605-13	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	UG/KG	SD-29-SSRA	WV5605-10RA	NM	10/21/2005	10/28/2005	10/28/2005	7	0	7
OV	UG/KG	SD-31-01	WV5605-15	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	UG/KG	SD-31-01RA	WV5605-15RA	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
OV	UG/KG	SD-31-02	WV5605-16	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	UG/KG	SD-32-SS	WV5605-17	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	UG/KG	SD-33-SS	WV5605-18	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	UG/KG	SD-33-SSRA	WV5605-18RA	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	UG/KG	SD-34-SS	WV5605-19	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	UG/KG	SD-35-SSRA2	WV5605-20RA2	NM	10/21/2005	10/28/2005	10/28/2005	7	0	7
OV	UG/KG	SD-29-SS	WV5605-10	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	UG/KG	SD-31-SS	WV5605-14	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	UG/KG	SD-34-SSRA	WV5605-19RA	NM	10/21/2005	10/28/2005	10/28/2005	7	0	7
OV	UG/KG	SD-26-SS	WV5605-3	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	UG/KG	SD-29-02	WV5605-12	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	UG/KG	SD-32-SSRA	WV5605-17RA	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	UG/KG	SD-25-SS	WV5605-2	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	UG/KG	SD-27-01	WV5605-5	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	UG/KG	SD-27-01RA	WV5605-5RA	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	UG/KG	SD-27-02	WV5605-6	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	UG/KG	SD-28-01	WV5605-8	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	UG/KG	SD-28-02	WV5605-9	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
OV	UG/KG	SD-28-SS	WV5605-7	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	UG/KG	SD-28-SSRA	WV5605-7RA	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	UG/KG	SD-29-01RA	WV5605-11RA	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	UG/KG	SD-27-SS	WV5605-4	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	UG/KG	SD-24-SS	WV5605-1	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	UG/KG	SD-29-01	WV5605-11	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
PCB	%	SD-35-SS	WV5605-20	NM	10/21/2005	10/28/2005	11/1/2005	7	4	11
PCB	%	SD-29-SS	WV5605-10	NM	10/21/2005	10/28/2005	10/31/2005	7	3	10
PCB	%	SD-31-01	WV5605-15	NM	10/21/2005	10/28/2005	11/1/2005	7	4	11
PCB	%	SD-31-SS	WV5605-14	NM	10/21/2005	10/28/2005	11/1/2005	7	4	11
PCB	%	SD-32-SS	WV5605-17	NM	10/21/2005	10/28/2005	11/1/2005	7	4	11
PCB	%	SD-34-SS	WV5605-19	NM	10/21/2005	10/28/2005	11/1/2005	7	4	11
PCB	%	SD-29-02	WV5605-12	NM	10/21/2005	10/28/2005	11/1/2005	7	4	11
PCB	%	SD-30-SS	WV5605-13	NM	10/21/2005	10/28/2005	11/1/2005	7	4	11
PCB	%	SD-33-SS	WV5605-18	NM	10/21/2005	10/28/2005	11/1/2005	7	4	11
PCB	%	SD-24-SS	WV5605-1	NM	10/21/2005	10/25/2005	10/28/2005	4	3	7
PCB	%	SD-28-SS	WV5605-7	NM	10/21/2005	10/28/2005	10/31/2005	7	3	10
PCB	%	SD-28-02	WV5605-9	NM	10/21/2005	10/28/2005	10/31/2005	7	3	10

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
PCB	%	SD-28-01	WV5605-8	NM	10/21/2005	10/28/2005	10/31/2005	7	3	10
PCB	%	SD-27-SSDL	WV5605-4DL	NM	10/21/2005	10/28/2005	10/31/2005	7	3	10
PCB	%	SD-27-02	WV5605-6	NM	10/21/2005	10/28/2005	10/31/2005	7	3	10
PCB	%	SD-27-01	WV5605-5	NM	10/21/2005	10/28/2005	10/30/2005	7	2	9
PCB	%	SD-26-SS	WV5605-3	NM	10/21/2005	10/28/2005	10/30/2005	7	2	9
PCB	%	SD-25-SS	WV5605-2	NM	10/21/2005	10/28/2005	10/30/2005	7	2	9
PCB	%	SD-31-02	WV5605-16	NM	10/21/2005	10/28/2005	11/1/2005	7	4	11
PCB	%	SD-29-01	WV5605-11	NM	10/21/2005	10/28/2005	11/1/2005	7	4	11
PCB	UG/KG	SD-30-SS	WV5605-13	NM	10/21/2005	10/28/2005	11/1/2005	7	4	11
PCB	UG/KG	SD-31-01	WV5605-15	NM	10/21/2005	10/28/2005	11/1/2005	7	4	11
PCB	UG/KG	SD-31-02	WV5605-16	NM	10/21/2005	10/28/2005	11/1/2005	7	4	11
PCB	UG/KG	SD-31-SS	WV5605-14	NM	10/21/2005	10/28/2005	11/1/2005	7	4	11
PCB	UG/KG	SD-32-SS	WV5605-17	NM	10/21/2005	10/28/2005	11/1/2005	7	4	11
PCB	UG/KG	SD-33-SS	WV5605-18	NM	10/21/2005	10/28/2005	11/1/2005	7	4	11
PCB	UG/KG	SD-29-SS	WV5605-10	NM	10/21/2005	10/28/2005	10/31/2005	7	3	10
PCB	UG/KG	SD-35-SS	WV5605-20	NM	10/21/2005	10/28/2005	11/1/2005	7	4	11
PCB	UG/KG	SD-27-02	WV5605-6	NM	10/21/2005	10/28/2005	10/31/2005	7	3	10
PCB	UG/KG	SD-34-SS	WV5605-19	NM	10/21/2005	10/28/2005	11/1/2005	7	4	11

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
PCB	UG/KG	SD-29-02	WV5605-12	NM	10/21/2005	10/28/2005	11/1/2005	7	4	11
PCB	UG/KG	SD-29-01	WV5605-11	NM	10/21/2005	10/28/2005	11/1/2005	7	4	11
PCB	UG/KG	SD-28-SS	WV5605-7	NM	10/21/2005	10/28/2005	10/31/2005	7	3	10
PCB	UG/KG	SD-28-02	WV5605-9	NM	10/21/2005	10/28/2005	10/31/2005	7	3	10
PCB	UG/KG	SD-27-SSDL	WV5605-4DL	NM	10/21/2005	10/28/2005	10/31/2005	7	3	10
PCB	UG/KG	SD-27-01	WV5605-5	NM	10/21/2005	10/28/2005	10/30/2005	7	2	9
PCB	UG/KG	SD-26-SS	WV5605-3	NM	10/21/2005	10/28/2005	10/30/2005	7	2	9
PCB	UG/KG	SD-25-SS	WV5605-2	NM	10/21/2005	10/28/2005	10/30/2005	7	2	9
PCB	UG/KG	SD-24-SS	WV5605-1	NM	10/21/2005	10/25/2005	10/28/2005	4	3	7
PCB	UG/KG	SD-28-01	WV5605-8	NM	10/21/2005	10/28/2005	10/31/2005	7	3	10

Katahdin ANALYTICAL SERVICES
340 County Road No. 5
P.O. Box 720
Westbrook, ME 04092
Tel: (207) 874-2400
Fax: (207) 775-4029

CHAIN of CUSTODY

PLEASE BEAR DOWN AND PRINT LEGIBLY IN PEN

Client: Tetra Tech NUS, Inc.	Contact: Mike Martin	Phone #: (301) 528 3033	Fax #: (301) 528 3000
Address: 20251 Century Blvd	City: Germantown	State: Md	Zip Code: 20878
Purchase Order #	Proj. Name / No.: LMC - MRC		Katahdin Quote #
Bill (if different than above): SAME AS ABOVE	Address		
Sampler (Print / Sign): Fred Kolberg FJK		Copies To:	

LAB USE ONLY — WORK ORDER #: WV5604 WV5605
KATAHDIN PROJECT NUMBER

REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT

AIRBILL NO:

TEMP°C ____ ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	Filt. ☐Y ☒N VOCs 8 oz glass/402	Filt. ☐Y ☒N P.P. metals 4 oz glass	Filt. ☐Y ☒N TOC	Filt. ☐Y ☒N SVOCs PCBs 8 oz glass	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N
SD-15-SS	10/21/05 / 13:20	SED	3	✓	✓		✓						
SD-17-SS	/ 11:30			✓	✓	✓	✓						
SD-18-SS	/ 12:50			✓	✓		✓						
SD-19-SS	/ 9:45			✓	✓	✓	✓						
SD-19-01	/ 10:00			✓	✓	✓	✓						
SD-19-02	/ 10:15			✓	✓	✓	✓						
SD-20-SS	/ 13:00			✓	✓		✓						
SD-21-SS	/ 11:25			✓	✓		✓						
SD-22-SS	/ 13:10			✓	✓		✓						
SD-23-SS	/ 12:40			✓	✓	✓	✓						
SD-24-SS	/ 11:50		↓	✓	✓ X		✓						
SD-25-SS	/ 11:20		6	✓	✓ X	✓	✓ X	+ MS/MSD volumes					
SD-26-SS	/ 12:30		3	✓	✓ X		✓						
SD-27-SS	/ 11:15		6	✓	✓ X	✓	✓ X	+ MS/MSD volumes					
SD-27-01	/ 11:20		3	✓	✓ X		✓						
SD-27-02	↓ / 11:25	↓	3	✓	✓ X		✓						

COMMENTS

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
FJK 10/24/05	10/24/05 15:00	[signature] 10/25/05 10:30			
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)

Katahdin ANALYTICAL SERVICES
340 County Road No. 5
P.O. Box 720
Westbrook, ME 04092
Tel: (207) 874-2400
Fax: (207) 775-4029

CHAIN of CUSTODY

PLEASE BEAR DOWN AND PRINT LEGIBLY IN PEN

Client	Contact	Phone #	Fax #
Tetra Tech NUS, Inc.	Mike Martin	(301) 528 3033	(301) 528 3000

Address	City	State	Zip Code
20251 Century Blvd	Germantown	Md	20874

Purchase Order #	Proj. Name / No.	Katahdin Quote #

Bill (if different than above) As Above — Address

Sampler (Print / Sign) Fred Kolberg FJK — Copies To:

LAB USE ONLY — WORK ORDER #: NVS605, NVS606 — KATAHDIN PROJECT NUMBER

REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT

AIRBILL NO:

TEMP°C _____ ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	Filt. ☐Y ☒N VOCs 40z/40z Glass	Filt. ☐Y ☒N P.P. METALS 4oz Glass	Filt. ☐Y ☒N TOC	Filt. ☐Y ☒N SVOCs PCBs 8 oz g/glass	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N
SD-28-SS	10/21/05 / 11:30	SED	3	✓	✓X		✓						
SD-28-01	/ 11:35			✓	✓X		✓						
SD-28-02	/ 11:40			✓	✓X		✓						
SD-29-SS	/ 10:40			✓	✓X		✓						
SD-29-01	/ 10:50			✓	✓X		✓						
SD-29-02	/ 11:00			✓	✓X		✓						
SD-30-SS	/ 11:15			✓	✓X		✓						
SD-31-SS	/ 11:45			✓	✓X		✓						
SD-31-01	/ 11:50			✓	✓X		✓						
SD-31-02	/ 11:55		6	✓	✓X	✓X	✓		+ MS/MSD Volumes				
SD-32-SS	/ 12:20		3	✓	✓X		✓						
SD-33-SS	/ 10:40		3	✓	✓X	✓X	✓						
SD-34-SS	/ 10:20		3	✓	✓X		✓						
SD-35-SS	/ 10:10		3	✓	✓X	✓X	✓						
SD-36-SS	/ 10:30		3	✓	✓		✓						
SD-37-SS	/ 12:10		3	✓	✓		✓						

COMMENTS

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
FJK	10/21/05 13:00		10-22-05 1030		
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)

Katahdin
ANALYTICAL SERVICES

nelac
Cert. No. E87604

SDG NARRATIVE
KATAHDIN ANALYTICAL SERVICES
TETRA TECH NUS
CASE MIDDLE RIVER
SDG: MID-6

Sample Receipt

The following samples were received on October 22, 2005 and were logged in under Katahdin Analytical Services work order number WV5605 for a hardcopy due date of October 28, 2005.

KATAHDIN Sample No.	TTNUS Sample Identification
WV5605-1	SD-24-SS
WV5605-2	SD-25-SS
WV5605-3	SD-26-SS
WV5605-4	SD-27-SS
WV5605-5	SD-27-01
WV5605-6	SD-27-02
WV5605-7	SD-28-SS
WV5605-8	SD-28-01
WV5605-9	SD-28-02
WV5605-10	SD-29-SS
WV5605-11	SD-29-01
WV5605-12	SD-29-02
WV5605-13	SD-30-SS
WV5605-14	SD-31-SS
WV5605-15	SD-31-01
WV5605-16	SD-31-02
WV5605-17	SD-32-SS
WV5605-18	SD-33-SS
WV5605-19	SD-34-SS
WV5605-20	SD-35-SS

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 MID-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, U.S. EPA, for the specific methods listed below or on the Report of Analysis. Samples WV5605-3, 4, and 16 were used for the matrix spike (MS) and matrix spike duplicate (MSD), per the client's request. Some manual integrations may have been performed due to split peaks and/or corrected baselines. All have been flagged with a "M" (software-generated) on the pertinent quantitation reports.

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 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.

One or more target analytes may have been detected above the MDL in some method blanks. Any of these analytes that were also detected in any of the associated samples were flagged with a "B" qualifier indicating that the analyte was detected in the method blank analyzed and/or extracted concurrently with the sample.

The LCS WG22183-1 had greater than ten percent of the spiked analytes with recoveries that were high and outside of the laboratory established acceptance limits. Since the LCS is associated only with the MS/MSD, the MS/MSD were not reanalyzed.

The analysis of samples labeled WV5605-10RA and 15 had low responses for one or more internal standards, which were outside the laboratory acceptance limit of -50% to 100% of the response of the internal standard of the daily calibration verification standard. The initial analysis of WV5605-10 had a low recovery for one surrogate, while the reanalysis of sample WV5605-15 had both low responses for internal standards and low recoveries for surrogates. The results for both analyses are reported.

The analysis of samples WV5605-5, 7, 10, 11, 11RA, 17, 17RA, 18, and 19 had low recoveries for one or more surrogates, which were outside of the laboratory established acceptance limits. The second analysis of these samples also low surrogate recoveries. The results for both analyses are reported.

The analysis of samples WV5605-5RA, 7RA, 15RA, 19RA and 20 had low responses for one or more internal standards, which were outside the laboratory acceptance limit of -50% to 100% of the response of the internal standard of the daily calibration verification standard. These analyses also had low surrogate recoveries. The second analyses of these samples also had both low

internal standard responses and low surrogate recoveries. The results for both analyses are reported.

The first analysis of sample WV5605-20 low responses for all four internal standards, which were outside the laboratory acceptance limit of -50% to 100% of the response of the internal standard of the daily calibration verification standard. The second analysis of this sample had a low recovery for one surrogate. The third analysis of this sample, WV5605-20RA2, also had a low recovery for one surrogate. The result for WV5605-20RA2 is included in the report.

8082 Analysis

Sample WV5605-1, the method blank, WG22135-1, and the laboratory control samples, WG21992-2RA and 3RA, had high recoveries for the extraction surrogate TCX on one or both channels, which were outside of the laboratory established acceptance limits. Since the recoveries for DCB were acceptable on both channels, the associated samples were not reextracted.

Samples WV5605-7, 8 and 11, had high recoveries for the extraction surrogate DCB on channel B, which was outside of the laboratory established acceptance limits. Since the recoveries for TCX on both channels and DCB on channel A were acceptable, the samples were not reextracted.

The MS/MSD, WG22135-3 and 4, had high recoveries for Aroclor 1016 and low recoveries for Aroclor 1260, which were outside of the laboratory established acceptance limits. Based on the sample chromatograms, the discrepancies are likely due to the matrix of the sample. Since the associated LCS was acceptable, no corrective action was taken.

The MS/MSD, WG22135-5 and 6, had high recoveries for Aroclor 1260 and Aroclor 1016, which were outside of the laboratory established acceptance limits. The concentrations in the MS and MSD were high and outside of the calibration range. The discrepancies are likely due the high concentration of Aroclor 1260 in the native sample, WV5605-4 and also due to the matrix of the sample. The laboratory policy is not to reanalyze MS and MSD's for dilutions. These samples also had high recoveries for TCX and/or DCB on one channel, which were outside of the laboratory established acceptance limits.

The MS/MSD, WG22135-7 and 8, had high recoveries for Aroclor 1016, which were outside of the laboratory established acceptance limits. Based on the sample chromatograms, the discrepancies are likely due to the matrix of the sample. These samples also had high recoveries for TCX and/or DCB on one channel, which were outside of the laboratory established acceptance limits. Since the associated LCS was acceptable, no corrective action was taken.

The CV standards (files 6VJ8002, 6VK2040 and 6VK2048) had high responses for DCB on channel B, which resulted in %D's that were outside of the method acceptance limits of 15%. Since the responses were acceptable on channel A, the associated samples were not reanalyzed.

The CV standards (files 6VJ7115, 6VK1002, 6VK1040 and 6VK1048) had high responses for TCX on channel A, which resulted in %D's that were outside of the method acceptance limits of 15%. Since the responses were acceptable on channel B, the associated samples were not reanalyzed.

The CV standards (files 6VJ7034 and 6VJ8034) had high responses for Aroclor 1016 on both channels and Aroclor 1260 on channel B, which resulted in %D's that were outside of the method acceptance limits of 15%. Since a high response would indicate a high bias and Aroclor 1016 was not detected in the associated sample above the PQL and the response for Aroclor 1260 was acceptable on channel A, the associated samples were not reanalyzed.

The closing CV standards (files 6VJ7098 and 6VJ8098) had high responses for Aroclor 1016, Aroclor 1260 and DCB on both channels and TCX on channel A, which resulted in %D's that were outside of the method acceptance limits of 15%. Since the opening CV's had acceptable responses, the associated samples were not reanalyzed.

The Form 7 for the CV's (files 6VJ7034, 6VJ8034, 6VJ8098, 6VK1026 and 6VK2026) are flagged for the surrogates TCX and/or DCB indicating that the %D is greater than the method acceptance limit of 15%. With the exception of DCB on channel B for file 6VJ8098, which was high, 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.

8270C 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 initial calibration analyzed on 10/07/05 on the K instrument had %RSD values for several analyte that exceeded the method acceptance limit of 15%. For these analytes, either a linear or quadratic model was used for quantitation instead of an average response factor. The target analytes hexachlorocyclopentadiene, 2-chloronaphthalene 4-nitrophenol and benzidine 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 none of the associated samples detected any of the aforementioned target analytes above the PQL, the samples were not reanalyzed.

The initial calibration analyzed on 10/22/05 on the X instrument had %RSD values for several analytes that exceeded the method acceptance limit of 15%. For these analytes, either a linear or quadratic model was used for quantitation instead of an average response factor. The target analytes benzoic acid, 2-chloronaphthalene, 4-nitrophenol, and 2,4-dinitrophenol 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 none of the associated samples detected any of the aforementioned target analytes above the PQL, the samples were not reanalyzed.

The initial calibration analyzed on 10/29/05 on the X instrument had %RSD values for eight analytes that exceeded the method acceptance limit of 15%. For these analytes, a linear or

quadratic model was used for quantitation instead of an average response factor. The target analytes N-nitroso-di-n-propylamine, hexachlorocyclopentadiene, 2-chloronaphthalene, anthracene, benzidine, pyrene, and the surrogate terphenyl-d14 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.

The initial calibration standard (file X9008) had a response for the internal standards perylene-d12, which was low and outside the method acceptance limits of -50% to +100% of the responses of the internal standard of the mid-point level calibration standard from the initial calibration performed on 10/29/05.

Samples WV5605-1, 3, 5, 6, 8, 9, 10, 12, 14, 15, 17 and 18 had high and/or low recoveries for one or more surrogates, which were outside the laboratory established acceptance limits. Samples WV5605-1, 2, 4, 7, 10, 11, 13, and 19 had low responses for one or more internal standards, which were outside the laboratory acceptance limit of -50% to 100% of the response of the internal standard of the daily calibration verification standard. The laboratory method blanks WG21977-1 and WG22096-1 and MSD WG22096-4 had low or high recoveries for one surrogate. The MS WG21977-4, WG22096-3 and WG22096-5 and the MSD WG22096-4 and 6 had low responses for one or more internal standards. The client was contacted and notified the laboratory to accept the data as long as the surrogate recoveries were greater than 15%, and the internal standard responses were at least 15% of the internal standard of the daily calibration verification standard. Since the surrogate recoveries and internal standard responses met these criteria, these samples were not reextracted.

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

Metals Analysis

The samples of Katahdin SDG MID-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 Atomic Emission Spectrometric Analysis (ICP)

Solid-matrix Katahdin Sample Nos. WV5605-(1-20) were digested for ICP analysis on 10/27/05 (QC Batch VJ27ICS0) in accordance with USEPA Method 3050B. Katahdin Sample Nos. WV5605-(2, 4, and 16) were prepared with duplicate matrix-spiked aliquots.

ICP analyses of SDG MID-6 sample digestates were performed using a Thermo Jarrell Ash Trace ICP spectrometer in accordance with USEPA Method 6010B. All samples were analyzed within holding times and all analytical run QC criteria were met.

Analysis of Mercury by Cold Vapor Atomic Absorption (CVAA)

Solid-matrix Katahdin Sample Nos. WV5605-(1-20) were digested for mercury analysis on 10/26/05 (QC Batch VJ26HGS0) in accordance with USEPA Method 7471A. Katahdin Sample Nos. WV5605-(2, 4, and 16) were prepared with duplicate matrix-spiked aliquots.

Mercury analyses of Katahdin SDG MID-6 sample digestates were performed using a Cetac M6100 automated mercury analyzer in accordance with USEPA Method 7471A. All samples were analyzed within holding times and all analytical run QC criteria were met.

Matrix QC Summary

Both of the matrix-spiked aliquots of Katahdin Sample No. WV5605-2 are outside the laboratory's acceptance criteria (75% - 125% recovery of the added element, if the native concentration is less than four times the amount added) for antimony.

The matrix-spike duplicate analysis of Katahdin Sample No. WV5605-2 is within the laboratory's acceptance limit (<20% relative difference between duplicate matrix-spiked aliquots) for all analytes.

Both of the matrix-spiked aliquots of Katahdin Sample No. WV5605-4 are outside the laboratory's acceptance criteria (75% - 125% recovery of the added element, if the native concentration is less than four times the amount added) for antimony and mercury.

The matrix-spike duplicate analysis of Katahdin Sample No. WV5605-4 is outside the laboratory's acceptance limit (<20% relative difference between duplicate matrix-spiked aliquots) for antimony.

One or both of the matrix-spiked aliquots of Katahdin Sample No. WV5605-16 are outside the laboratory's acceptance criteria (75% - 125% recovery of the added element, if the native concentration is less than four times the amount added) for antimony, chromium, copper, and mercury.

The matrix-spike duplicate analysis of Katahdin Sample No. WV5605-16 is outside the laboratory's acceptance limit (<20% relative difference between duplicate matrix-spiked aliquots) for copper.

Low matrix spike recoveries for antimony in soil samples are common, and are attributed to loss of insoluble antimony compounds during filtration of the digestates. Sample inhomogeneity may also be a factor in these matrix spike failures.

The serial dilution analyses of Katahdin Sample Nos. WV5605-(2 and 4) are within the laboratory's ICP serial dilution acceptance limit (<10% difference between the original sample result and the result for a 5-fold dilution of the sample, if the result for the dilution is at least ten times the instrument detection limit) for all analytes.

The serial dilution analysis of Katahdin Sample No. WV5605-16 is outside the laboratory's ICP serial dilution acceptance limit (<10% difference between the original sample result and the result

for a 5-fold dilution of the sample, if the result for the dilution is at least ten times the instrument detection limit) for copper.

Wet Chemistry Analysis

The samples of SDG MID-6 were analyzed in accordance with the specific methods listed on the Report of Analysis.

Analyses for hexavalent chromium were performed according to "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, U.S. EPA.

Analyses for Total organic Carbon (TOC) were performed according to "Determination of Total Organic Carbon in Sediment", Lloyd Kahn, USEPA Region II, 7/88.

Analyses for total solids were performed according to "U.S. EPA Contract Laboratory Program Statement of Work for Inorganic Analysis", SOW 7/88.

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 time. All quality control criteria were met, with the following exceptions:

The recoveries of hexavalent chromium from the matrix spike aliquots of Katahdin Sample Nos. WV5605-2 (46%), WV5605-4 (46%) and WV5605-16 (45%) are outside the laboratory's acceptance limits of 75% - 125%. Low matrix spike recoveries for hexavalent chromium may indicate the presence of reducing conditions in the sample.

The recoveries of TOC from the matrix spike (166%) and matrix spike duplicate (126%) aliquots of Katahdin Sample No. WV5605-2 are outside the laboratory's acceptance limits of 75% - 125%. The recovery of TOC from the matrix spike (129%) aliquot of Katahdin Sample No. WV5605-4 is outside the laboratory's acceptance limits of 75% - 125%.

No other deviations were noted by the Wet Chemistry group.

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
11.7.05

Leslie Dimond
Quality Assurance Officer

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: Katahdin Analytical Services

SDG Name: MID-6 **SOW No.** SW846

Client Field ID	Lab Sample ID
SD-24-SS	WV5605-001
SD-25-SS	WV5605-002
SD-25-SS	WV5605-002P
SD-25-SS	WV5605-002S
SD-26-SS	WV5605-003
SD-27-01	WV5605-005
SD-27-02	WV5605-006
SD-27-SS	WV5605-004
SD-27-SS	WV5605-004P
SD-27-SS	WV5605-004S
SD-28-01	WV5605-008
SD-28-02	WV5605-009
SD-28-SS	WV5605-007
SD-29-01	WV5605-011
SD-29-02	WV5605-012
SD-29-SS	WV5605-010
SD-30-SS	WV5605-013
SD-31-01	WV5605-015
SD-31-02	WV5605-016
SD-31-02	WV5605-016P
SD-31-02	WV5605-016S
SD-31-SS	WV5605-014
SD-32-SS	WV5605-017
SD-33-SS	WV5605-018

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: Edward A Morgan Name: Edward A. Morgan

Date: November 5, 2005 Title: Senior Chemist

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: Katahdin Analytical Services

SDG Name: MID-6 **SOW No.** SW846

Client Field ID	Lab Sample ID
SD-34-SS	WV5605-019
SD-35-SS	WV5605-020

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: Edward A. Morgan Name: Edward A. Morgan

Date: November 5, 2005 Title: Senior Chemist

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** MID-6

Concentration Units: ug/L

SAMPLE: ICV

File: AVK02A Nov 02, 2005 12:03

Analyte	True	Found	%R (1)
ALUMINUM	20000.0	18732.20	93.7
ANTIMONY	600.0	586.90	97.8
ARSENIC	600.0	617.95	103.0
BARIUM	500.0	491.68	98.3
BERYLLIUM	500.0	493.60	98.7
CADMIUM	1250.0	1231.87	98.5
CALCIUM	20000.0	20265.82	101.3
CHROMIUM	500.0	502.05	100.4
COBALT	500.0	503.04	100.6
COPPER	500.0	465.71	93.1
IRON	20000.0	19894.18	99.5
LEAD	550.0	549.47	99.9
MAGNESIUM	20000.0	20702.22	103.5
MOLYBDENUM	300.0	306.56	102.2
NICKEL	1000.0	998.91	99.9
SELENIUM	550.0	546.54	99.4
SILVER	200.0	192.87	96.4
THALLIUM	600.0	608.71	101.5
VANADIUM	500.0	485.90	97.2
ZINC	1000.0	998.47	99.8

SAMPLE: CCV

File: AVK02A Nov 02, 2005 12:53

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	48921.54	97.8
ANTIMONY	1000.0	1021.06	102.1
ARSENIC	1000.0	1015.60	101.6
BARIUM	1000.0	1010.93	101.1
BERYLLIUM	1000.0	1027.41	102.7
CADMIUM	1000.0	1027.13	102.7
CALCIUM	50000.0	51016.75	102.0
CHROMIUM	1000.0	1029.56	103.0
COBALT	1000.0	1031.09	103.1
COPPER	1000.0	988.53	98.9
IRON	20000.0	20027.08	100.1
LEAD	1000.0	1016.68	101.7
MAGNESIUM	50000.0	50957.37	101.9
MOLYBDENUM	1000.0	1017.67	101.8
NICKEL	1000.0	1027.62	102.8
SELENIUM	1000.0	1023.14	102.3
SILVER	250.0	247.57	99.0
THALLIUM	1000.0	1021.52	102.2
VANADIUM	1000.0	990.75	99.1
ZINC	1000.0	1033.80	103.4

(1) Control Limits: Mercury 80-120; Other Metals 90-110

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** MID-6

Concentration Units: ug/L

SAMPLE: CCV

File: AVK02A Nov 02, 2005 14:25

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	48930.54	97.9
ANTIMONY	1000.0	1035.98	103.6
ARSENIC	1000.0	1037.92	103.8
BARIUM	1000.0	1020.10	102.0
BERYLLIUM	1000.0	1038.93	103.9
CADMIUM	1000.0	1050.84	105.1
CALCIUM	50000.0	51353.37	102.7
CHROMIUM	1000.0	1055.76	105.6
COBALT	1000.0	1052.60	105.3
COPPER	1000.0	978.46	97.8
IRON	20000.0	20160.17	100.8
LEAD	1000.0	1032.21	103.2
MAGNESIUM	50000.0	51113.97	102.2
MOLYBDENUM	1000.0	1040.50	104.1
NICKEL	1000.0	1053.08	105.3
SELENIUM	1000.0	1045.69	104.6
SILVER	250.0	247.25	98.9
THALLIUM	1000.0	1025.22	102.5
VANADIUM	1000.0	962.75	96.3
ZINC	1000.0	1047.91	104.8

SAMPLE: CCV

File: AVK02A Nov 02, 2005 15:54

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	48479.86	97.0
ANTIMONY	1000.0	1016.83	101.7
ARSENIC	1000.0	1043.87	104.4
BARIUM	1000.0	986.53	98.7
BERYLLIUM	1000.0	1043.22	104.3
CADMIUM	1000.0	1058.67	105.9
CALCIUM	50000.0	52049.09	104.1
CHROMIUM	1000.0	1051.51	105.2
COBALT	1000.0	1049.74	105.0
COPPER	1000.0	972.38	97.2
IRON	20000.0	20232.47	101.2
LEAD	1000.0	1036.95	103.7
MAGNESIUM	50000.0	51721.06	103.4
MOLYBDENUM	1000.0	1019.11	101.9
NICKEL	1000.0	1042.93	104.3
SELENIUM	1000.0	1038.58	103.9
SILVER	250.0	246.61	98.6
THALLIUM	1000.0	1038.94	103.9
VANADIUM	1000.0	968.67	96.9
ZINC	1000.0	1036.89	103.7

(1) Control Limits: Mercury 80-120; Other Metals 90-110

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** MID-6

Concentration Units: ug/L

SAMPLE: CCV

File: AVK02A Nov 02, 2005 17:20

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	49331.40	98.7
ANTIMONY	1000.0	1043.61	104.4
ARSENIC	1000.0	1061.13	106.1
BARIUM	1000.0	1028.92	102.9
BERYLLIUM	1000.0	1053.55	105.4
CADMIUM	1000.0	1066.34	106.6
CALCIUM	50000.0	51838.32	103.7
CHROMIUM	1000.0	1075.50	107.5
COBALT	1000.0	1060.86	106.1
COPPER	1000.0	991.20	99.1
IRON	20000.0	20268.88	101.3
LEAD	1000.0	1045.24	104.5
MAGNESIUM	50000.0	51054.42	102.1
MOLYBDENUM	1000.0	1042.39	104.2
NICKEL	1000.0	1058.22	105.8
SELENIUM	1000.0	1057.41	105.7
SILVER	250.0	251.11	100.4
THALLIUM	1000.0	1052.44	105.2
VANADIUM	1000.0	943.05	94.3
ZINC	1000.0	1060.71	106.1

SAMPLE: CCV

File: AVK02A Nov 02, 2005 18:46

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	49237.09	98.5
ANTIMONY	1000.0	1063.60	106.4
ARSENIC	1000.0	1065.82	106.6
BARIUM	1000.0	1047.66	104.8
BERYLLIUM	1000.0	1048.27	104.8
CADMIUM	1000.0	1062.12	106.2
CALCIUM	50000.0	51106.69	102.2
CHROMIUM	1000.0	1082.20	108.2
COBALT	1000.0	1058.13	105.8
COPPER	1000.0	988.41	98.8
IRON	20000.0	20021.67	100.1
LEAD	1000.0	1042.26	104.2
MAGNESIUM	50000.0	50069.77	100.1
MOLYBDENUM	1000.0	1054.27	105.4
NICKEL	1000.0	1064.39	106.4
SELENIUM	1000.0	1067.55	106.8
SILVER	250.0	249.43	99.8
THALLIUM	1000.0	1051.03	105.1
VANADIUM	1000.0	904.58	90.5
ZINC	1000.0	1071.75	107.2

(1) Control Limits: Mercury 80-120; Other Metals 90-110

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** MID-6

Concentration Units: ug/L

SAMPLE: CCV

File: AVK02A Nov 02, 2005 20:12

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	49058.63	98.1
ANTIMONY	1000.0	1063.83	106.4
ARSENIC	1000.0	1053.38	105.3
BARIUM	1000.0	1063.06	106.3
BERYLLIUM	1000.0	1032.91	103.3
CADMIUM	1000.0	1044.40	104.4
CALCIUM	50000.0	50177.18	100.4
CHROMIUM	1000.0	1076.18	107.6
COBALT	1000.0	1044.27	104.4
COPPER	1000.0	987.45	98.7
IRON	20000.0	19782.66	98.9
LEAD	1000.0	1030.00	103.0
MAGNESIUM	50000.0	49059.92	98.1
MOLYBDENUM	1000.0	1052.67	105.3
NICKEL	1000.0	1053.36	105.3
SELENIUM	1000.0	1061.72	106.2
SILVER	250.0	249.82	99.9
THALLIUM	1000.0	1032.41	103.2
VANADIUM	1000.0	880.80	88.1 •
ZINC	1000.0	1067.65	106.8

SAMPLE: CCV

File: AVK02A Nov 02, 2005 21:38

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	49467.17	98.9
ANTIMONY	1000.0	1074.16	107.4
ARSENIC	1000.0	1046.00	104.6
BARIUM	1000.0	1082.89	108.3
BERYLLIUM	1000.0	1026.59	102.7
CADMIUM	1000.0	1024.33	102.4
CALCIUM	50000.0	49448.97	98.9
CHROMIUM	1000.0	1068.03	106.8
COBALT	1000.0	1030.87	103.1
COPPER	1000.0	1000.87	100.1
IRON	20000.0	19693.65	98.5
LEAD	1000.0	1019.83	102.0
MAGNESIUM	50000.0	48472.89	96.9
MOLYBDENUM	1000.0	1062.70	106.3
NICKEL	1000.0	1040.68	104.1
SELENIUM	1000.0	1058.22	105.8
SILVER	250.0	250.86	100.3
THALLIUM	1000.0	1016.80	101.7
VANADIUM	1000.0	878.98	87.9 •
ZINC	1000.0	1067.52	106.8

(1) Control Limits: Mercury 80-120; Other Metals 90-110

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** MID-6

Concentration Units: ug/L

SAMPLE: CCV

File: AVK02A Nov 02, 2005 23:05

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	49770.75	99.5
ANTIMONY	1000.0	1070.91	107.1
ARSENIC	1000.0	1033.70	103.4
BARIUM	1000.0	1088.25	108.8
BERYLLIUM	1000.0	1018.96	101.9
CADMIUM	1000.0	1001.86	100.2
CALCIUM	50000.0	49170.35	98.3
CHROMIUM	1000.0	1051.29	105.1
COBALT	1000.0	1015.63	101.6
COPPER	1000.0	1009.92	101.0
IRON	20000.0	19652.32	98.3
LEAD	1000.0	1004.85	100.5
MAGNESIUM	50000.0	48447.72	96.9
MOLYBDENUM	1000.0	1057.38	105.7
NICKEL	1000.0	1023.81	102.4
SELENIUM	1000.0	1050.82	105.1
SILVER	250.0	252.53	101.0
THALLIUM	1000.0	997.30	99.7
VANADIUM	1000.0	898.81	89.9
ZINC	1000.0	1058.82	105.9

SAMPLE: CCV

File: AVK02A Nov 03, 2005 0:31

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50041.48	100.1
ANTIMONY	1000.0	1056.74	105.7
ARSENIC	1000.0	1013.82	101.4
BARIUM	1000.0	1091.42	109.1
BERYLLIUM	1000.0	1014.66	101.5
CADMIUM	1000.0	979.94	98.0
CALCIUM	50000.0	49237.89	98.5
CHROMIUM	1000.0	1030.87	103.1
COBALT	1000.0	1000.34	100.0
COPPER	1000.0	1024.46	102.4
IRON	20000.0	19641.14	98.2
LEAD	1000.0	991.71	99.2
MAGNESIUM	50000.0	48870.78	97.7
MOLYBDENUM	1000.0	1044.78	104.5
NICKEL	1000.0	1011.28	101.1
SELENIUM	1000.0	1026.89	102.7
SILVER	250.0	256.68	102.7
THALLIUM	1000.0	973.98	97.4
VANADIUM	1000.0	934.77	93.5
ZINC	1000.0	1043.94	104.4

(1) Control Limits: Mercury 80-120; Other Metals 90-110

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** MID-6

Concentration Units: ug/L

SAMPLE: CCV

File: AVK02A Nov 03, 2005 1:57

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	49680.92	99.4
ANTIMONY	1000.0	1020.28	102.0
ARSENIC	1000.0	988.61	98.9
BARIUM	1000.0	1065.48	106.5
BERYLLIUM	1000.0	998.13	99.8
CADMIUM	1000.0	955.73	95.6
CALCIUM	50000.0	48910.59	97.8
CHROMIUM	1000.0	988.82	98.9
COBALT	1000.0	967.94	96.8
COPPER	1000.0	1026.77	102.7
IRON	20000.0	19501.94	97.5
LEAD	1000.0	966.26	96.6
MAGNESIUM	50000.0	48922.84	97.8
MOLYBDENUM	1000.0	1012.82	101.3
NICKEL	1000.0	980.86	98.1
SELENIUM	1000.0	989.04	98.9
SILVER	250.0	254.40	101.8
THALLIUM	1000.0	975.08	97.5
VANADIUM	1000.0	977.80	97.8
ZINC	1000.0	1018.31	101.8

(1) Control Limits: Mercury 80-120; Other Metals 90-110

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** MID-6

Concentration Units: ug/L

SAMPLE: ICV

File: AVK03B Nov 03, 2005 18:35

Analyte	True	Found	%R (1)
ALUMINUM	20000.0	19033.53	95.2
CALCIUM	20000.0	20546.08	102.7
IRON	20000.0	20140.48	100.7
MAGNESIUM	20000.0	20973.46	104.9
SELENIUM	550.0	549.17	99.8
VANADIUM	500.0	485.86	97.2

SAMPLE: CCV

File: AVK03B Nov 03, 2005 19:25

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	49592.02	99.2
CALCIUM	50000.0	51336.45	102.7
IRON	20000.0	20209.12	101.0
MAGNESIUM	50000.0	51285.09	102.6
SELENIUM	1000.0	1029.45	102.9
VANADIUM	1000.0	974.56	97.5

(1) Control Limits: Mercury 80-120; Other Metals 90-110

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** MID-6

Concentration Units: ug/L

SAMPLE: CCV

File: AVK03B Nov 03, 2005 20:51

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	49795.33	99.6
CALCIUM	50000.0	50915.79	101.8
IRON	20000.0	20159.03	100.8
MAGNESIUM	50000.0	50799.98	101.6
SELENIUM	1000.0	1043.51	104.4
VANADIUM	1000.0	945.00	94.5

SAMPLE: CCV

File: AVK03B Nov 03, 2005 22:17

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	51296.38	102.6
CALCIUM	50000.0	52142.80	104.3
IRON	20000.0	20823.36	104.1
MAGNESIUM	50000.0	52192.92	104.4
SELENIUM	1000.0	1095.68	109.6
VANADIUM	1000.0	958.56	95.9

(1) Control Limits: Mercury 80-120; Other Metals 90-110

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** MID-6

Concentration Units: ug/L

SAMPLE: CCV

File: AVK03B Nov 03, 2005 23:43

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	51336.50	102.7
CALCIUM	50000.0	52333.47	104.7
IRON	20000.0	20952.93	104.8
MAGNESIUM	50000.0	52581.18	105.2
SELENIUM	1000.0	1089.64	109.0
VANADIUM	1000.0	974.41	97.4

SAMPLE: CCV

File: AVK03B Nov 04, 2005 1:09

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	54576.10	109.2
CALCIUM	50000.0	55483.27	111.0 *
IRON	20000.0	22051.83	110.3
MAGNESIUM	50000.0	55839.27	111.7 *
SELENIUM	1000.0	1112.06	111.2 *
VANADIUM	1000.0	1069.84	107.0

(1) Control Limits: Mercury 80-120; Other Metals 90-110

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** MID-6

Concentration Units: ug/L

SAMPLE: CCV

File: AVK03B Nov 04, 2005 2:36

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	51557.79	103.1
CALCIUM	50000.0	52362.56	104.7
IRON	20000.0	20859.01	104.3
MAGNESIUM	50000.0	52942.66	105.9
SELENIUM	1000.0	1055.66	105.6
VANADIUM	1000.0	1031.37	103.1

SAMPLE: CCV

File: AVK03B Nov 04, 2005 4:02

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	52016.56	104.0
CALCIUM	50000.0	52844.06	105.7
IRON	20000.0	20999.09	105.0
MAGNESIUM	50000.0	53312.81	106.6
SELENIUM	1000.0	1039.93	104.0
VANADIUM	1000.0	1066.23	106.6

(1) Control Limits: Mercury 80-120; Other Metals 90-110

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** MID-6

Concentration Units: ug/L

SAMPLE: ICV

File: AVK04A Nov 04, 2005 14:00

Analyte	True	Found	%R (1)
ALUMINUM	20000.0	18693.99	93.5
CALCIUM	20000.0	20176.07	100.9
IRON	20000.0	19799.24	99.0
MAGNESIUM	20000.0	20543.43	102.7
SELENIUM	550.0	535.78	97.4

SAMPLE: CCV

File: AVK04A Nov 04, 2005 14:53

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	48484.55	97.0
CALCIUM	50000.0	50877.59	101.8
IRON	20000.0	19947.54	99.7
MAGNESIUM	50000.0	50668.05	101.3
SELENIUM	1000.0	1015.09	101.5

(1) Control Limits: Mercury 80-120; Other Metals 90-110

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** MID-6

Concentration Units: ug/L

SAMPLE: CCV

File: AVK04A Nov 04, 2005 16:19

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	48365.95	96.7
CALCIUM	50000.0	50409.37	100.8
IRON	20000.0	19751.94	98.8
MAGNESIUM	50000.0	49844.86	99.7
SELENIUM	1000.0	1023.79	102.4

SAMPLE: CCV

File: AVK04A Nov 04, 2005 16:56

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	48468.73	96.9
CALCIUM	50000.0	50265.60	100.5
IRON	20000.0	19729.44	98.6
MAGNESIUM	50000.0	49475.13	99.0
SELENIUM	1000.0	1032.39	103.2

(1) Control Limits: Mercury 80-120; Other Metals 90-110

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** MID-6

Concentration Units: ug/L

SAMPLE: CCV

File: AVK04A Nov 04, 2005 18:22

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	48381.66	96.8
CALCIUM	50000.0	49529.29	99.1
IRON	20000.0	19517.56	97.6
MAGNESIUM	50000.0	48539.69	97.1
SELENIUM	1000.0	1048.72	104.9

SAMPLE: CCV

File: AVK04A Nov 04, 2005 19:27

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	48679.37	97.4
CALCIUM	50000.0	49354.75	98.7
IRON	20000.0	19439.32	97.2
MAGNESIUM	50000.0	48353.53	96.7
SELENIUM	1000.0	1056.72	105.7

(1) Control Limits: Mercury 80-120; Other Metals 90-110

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** MID-6

Concentration Units: ug/L

SAMPLE: CCV

File: AVK04A Nov 04, 2005 20:53

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	49068.19	98.1
CALCIUM	50000.0	48913.52	97.8
IRON	20000.0	19472.46	97.4
MAGNESIUM	50000.0	47906.15	95.8
SELENIUM	1000.0	1071.55	107.2

(1) Control Limits: Mercury 80-120; Other Metals 90-110

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** MID-6

Concentration Units: ug/L

SAMPLE: ICV

File: HVJ27A Oct 27, 2005 11:33

Analyte	True	Found	%R (1)
MERCURY	6.0	6.57	109.5

SAMPLE: CCV

File: HVJ27A Oct 27, 2005 11:58

Analyte	True	Found	%R (1)
MERCURY	5.0	5.38	107.6

(1) Control Limits: Mercury 80-120; Other Metals 90-110

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** MID-6

Concentration Units: ug/L

SAMPLE: CCV

File: HVJ27A Oct 27, 2005 12:24

Analyte	True	Found	%R (1)
MERCURY	5.0	5.52	110.4

SAMPLE: CCV

File: HVJ27A Oct 27, 2005 12:47

Analyte	True	Found	%R (1)
MERCURY	5.0	5.60	112.0

(1) Control Limits: Mercury 80-120; Other Metals 90-110

2B

CRDL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** MID-6

Concentration Units: ug/L

SAMPLE: CRI

File: AVK02A Nov 02, 2005 12:32

Analyte	TRUE	FOUND	% R
ANTIMONY	120.0	118.63	98.9
ARSENIC	20.0	20.22	101.1
BERYLLIUM	10.0	10.04	100.4
CADMIUM	10.0	10.18	101.8
CHROMIUM	20.0	19.60	98.0
COBALT	100.0	102.46	102.5
COPPER	50.0	45.42	90.8
LEAD	6.0	6.31	105.2
NICKEL	80.0	81.93	102.4
SELENIUM	10.0	10.30	103.0
SILVER	20.0	17.49	87.4
THALLIUM	20.0	21.12	105.6
VANADIUM	100.0	98.70	98.7
ZINC	40.0	42.20	105.5

SAMPLE: CRI

File: AVK02A Nov 02, 2005 16:59

Analyte	TRUE	FOUND	% R
ANTIMONY	120.0	120.75	100.6
ARSENIC	20.0	21.61	108.1
BERYLLIUM	10.0	9.97	99.7
CADMIUM	10.0	10.36	103.6
CHROMIUM	20.0	19.61	98.0
COBALT	100.0	104.46	104.5
COPPER	50.0	42.59	85.2
LEAD	6.0	5.65	94.2
NICKEL	80.0	82.58	103.2
SELENIUM	10.0	7.15	71.5
SILVER	20.0	17.09	85.5
THALLIUM	20.0	20.91	104.6
VANADIUM	100.0	92.83	92.8
ZINC	40.0	43.01	107.5

2B

CRDL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** MID-6

Concentration Units: ug/L

SAMPLE: CRI

File: AVK02A Nov 02, 2005 21:17

Analyte	TRUE	FOUND	% R
ANTIMONY	120.0	126.60	105.5
ARSENIC	20.0	20.69	103.5
BERYLLIUM	10.0	9.28	92.8
CADMIUM	10.0	10.39	103.9
CHROMIUM	20.0	20.60	103.0
COBALT	100.0	101.90	101.9
COPPER	50.0	42.19	84.4
LEAD	6.0	5.05	84.2
NICKEL	80.0	82.18	102.7
SELENIUM	10.0	9.14	91.4
SILVER	20.0	17.98	89.9
THALLIUM	20.0	19.75	98.8
VANADIUM	100.0	85.16	85.2
ZINC	40.0	43.07	107.7

SAMPLE: CRI

File: AVK02A Nov 03, 2005 01:36

Analyte	TRUE	FOUND	% R
ANTIMONY	120.0	120.34	100.3
ARSENIC	20.0	20.73	103.6
BERYLLIUM	10.0	9.36	93.6
CADMIUM	10.0	9.12	91.2
CHROMIUM	20.0	19.12	95.6
COBALT	100.0	96.37	96.4
COPPER	50.0	45.78	91.6
LEAD	6.0	4.85	80.8
NICKEL	80.0	77.39	96.7
SELENIUM	10.0	8.45	84.5
SILVER	20.0	17.10	85.5
THALLIUM	20.0	15.86	79.3
VANADIUM	100.0	93.79	93.8
ZINC	40.0	41.58	103.9

2B

CRDL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** MID-6

Concentration Units: ug/L

SAMPLE: CRI

File: AVK03B Nov 03, 2005 19:04

Analyte	TRUE	FOUND	% R
SELENIUM	10.0	13.21	132.1
VANADIUM	100.0	97.35	97.3

SAMPLE: CRI

File: AVK03B Nov 03, 2005 23:22

Analyte	TRUE	FOUND	% R
SELENIUM	10.0	14.36	143.6
VANADIUM	100.0	92.46	92.5

2B

CRDL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** MID-6

Concentration Units: ug/L

SAMPLE: CRI

File: AVK03B Nov 04, 2005 03:40

Analyte	TRUE	FOUND	% R
SELENIUM	10.0	15.26	152.6 *
VANADIUM	100.0	102.97	103.0

2B

CRDL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** MID-6

Concentration Units: ug/L

SAMPLE: CRI

File: AVK04A Nov 04, 2005 14:32

Analyte	TRUE	FOUND	% R
SELENIUM	10.0	8.54	85.4

SAMPLE: CRI

File: AVK04A Nov 04, 2005 16:34

Analyte	TRUE	FOUND	% R
SELENIUM	10.0	8.63	86.3

2B

CRDL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** MID-6

Concentration Units: ug/L

SAMPLE: CRI

File: AVK04A Nov 04, 2005 20:31

Analyte	TRUE	FOUND	% R
SELENIUM	10.0	9.45	94.5

2B

CRDL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** MID-6

Concentration Units: ug/L

SAMPLE: CRA

File: HVJ27A Oct 27, 2005 11:37

Analyte	TRUE	FOUND	% R
MERCURY	0.2	0.29	145.0

3P

PREPARATION BLANKS

Lab Name: Katahdin Analytical Services **Sample ID:** PBSVJ27ICS0

Matrix: SOIL **SDG Name:** MID-6

QC Batch ID: VJ27ICS0

Concentration Units : mg/Kg

Analyte	RESULT	C
ANTIMONY	0.410	U
ARSENIC	0.350	U
BARIUM	0.030	U
BERYLLIUM	0.040	U
CADMIUM	0.040	U
CHROMIUM	0.100	U
COBALT	0.110	U
COPPER	-0.286	B
LEAD	0.170	U
MOLYBDENUM	0.200	U
NICKEL	0.150	U
SELENIUM	0.360	U
SILVER	0.100	U
THALLIUM	0.610	U
VANADIUM	0.158	B
ZINC	0.538	B

3P

PREPARATION BLANKS

Lab Name: Katahdin Analytical Services **Sample ID:** PBSVJ26HGS0

Matrix: SOIL **SDG Name:** MID-6

QC Batch ID: VJ26HGS0

Concentration Units : mg/Kg

Analyte	RESULT	C
MERCURY	0.014	B

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** MID-6

Concentration Units: ug/L

SAMPLE: ICB

File: AVK02A Nov 02, 2005 12:10

Analyte	Result	C
ALUMINUM	22.00	U
ANTIMONY	4.11	U
ARSENIC	3.45	U
BARIUM	0.27	U
BERYLLIUM	0.35	U
CADMIUM	0.40	U
CALCIUM	11.30	U
CHROMIUM	1.01	U
COBALT	1.12	U
COPPER	1.74	U
IRON	25.80	U
LEAD	1.65	U
MAGNESIUM	12.10	U
MOLYBDENUM	2.00	U
NICKEL	1.53	U
SELENIUM	3.59	U
SILVER	1.04	U
THALLIUM	6.13	U
VANADIUM	1.36	U
ZINC	0.59	U

SAMPLE: CCB

File: AVK02A Nov 02, 2005 13:00

Analyte	Result	C
ALUMINUM	34.94	B
ANTIMONY	4.11	U
ARSENIC	3.45	U
BARIUM	0.27	U
BERYLLIUM	0.35	U
CADMIUM	0.40	U
CALCIUM	11.30	U
CHROMIUM	-1.09	B
COBALT	1.12	U
COPPER	-1.86	B
IRON	25.80	U
LEAD	1.65	U
MAGNESIUM	12.10	U
MOLYBDENUM	2.00	U
NICKEL	1.53	U
SELENIUM	3.59	U
SILVER	-1.28	B
THALLIUM	6.13	U
VANADIUM	1.36	U
ZINC	0.59	U

SAMPLE: CCB

File: AVK02A Nov 02, 2005 14:35

Analyte	Result	C
ALUMINUM	74.35	B
ANTIMONY	4.11	U
ARSENIC	3.45	U
BARIUM	0.27	U
BERYLLIUM	0.35	U
CADMIUM	0.40	U
CALCIUM	11.30	U
CHROMIUM	1.01	U
COBALT	1.12	U
COPPER	-2.16	B
IRON	25.80	U
LEAD	1.65	U
MAGNESIUM	12.10	U
MOLYBDENUM	2.00	U
NICKEL	1.53	U
SELENIUM	3.59	U
SILVER	1.04	U
THALLIUM	6.13	U
VANADIUM	1.36	U
ZINC	0.59	U

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** MID-6

Concentration Units: ug/L

SAMPLE: CCB
File: AVK02A Nov 02, 2005 16:01

Analyte	Result	C
ALUMINUM	63.85	B
ANTIMONY	4.11	U
ARSENIC	3.45	U
BARIUM	0.27	U
BERYLLIUM	0.35	U
CADMIUM	0.40	U
CALCIUM	11.30	U
CHROMIUM	1.01	U
COBALT	1.12	U
COPPER	-1.94	B
IRON	25.80	U
LEAD	1.65	U
MAGNESIUM	12.10	U
MOLYBDENUM	2.00	U
NICKEL	1.53	U
SELENIUM	3.59	U
SILVER	1.04	U
THALLIUM	6.13	U
VANADIUM	1.36	U
ZINC	0.59	U

SAMPLE: CCB
File: AVK02A Nov 02, 2005 17:27

Analyte	Result	C
ALUMINUM	111.25	B
ANTIMONY	4.11	U
ARSENIC	3.45	U
BARIUM	0.27	U
BERYLLIUM	0.35	U
CADMIUM	0.40	U
CALCIUM	-13.48	B
CHROMIUM	1.01	U
COBALT	1.12	U
COPPER	-3.32	B
IRON	25.80	U
LEAD	1.65	U
MAGNESIUM	12.10	U
MOLYBDENUM	2.00	U
NICKEL	1.53	U
SELENIUM	3.59	U
SILVER	1.04	U
THALLIUM	6.13	U
VANADIUM	1.36	U
ZINC	0.59	U

SAMPLE: CCB
File: AVK02A Nov 02, 2005 18:53

Analyte	Result	C
ALUMINUM	164.24	B
ANTIMONY	-5.06	B
ARSENIC	3.45	U
BARIUM	0.27	U
BERYLLIUM	0.35	U
CADMIUM	0.40	U
CALCIUM	-17.47	B
CHROMIUM	1.01	U
COBALT	1.12	U
COPPER	-4.03	B
IRON	25.80	U
LEAD	1.65	U
MAGNESIUM	12.10	U
MOLYBDENUM	2.00	U
NICKEL	1.53	U
SELENIUM	3.59	U
SILVER	1.04	U
THALLIUM	6.13	U
VANADIUM	1.36	U
ZINC	0.59	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** MID-6

Concentration Units: ug/L

SAMPLE: CCB

File: AVK02A Nov 02, 2005 20:20

Analyte	Result	C
ALUMINUM	192.04	B
ANTIMONY	4.11	U
ARSENIC	3.45	U
BARIUM	0.27	U
BERYLLIUM	-0.39	B
CADMIUM	0.40	U
CALCIUM	-19.16	B
CHROMIUM	1.01	U
COBALT	1.12	U
COPPER	-4.34	B
IRON	25.80	U
LEAD	1.65	U
MAGNESIUM	12.10	U
MOLYBDENUM	2.00	U
NICKEL	1.53	U
SELENIUM	3.59	U
SILVER	1.04	U
THALLIUM	6.26	B
VANADIUM	1.36	U
ZINC	0.59	U

SAMPLE: CCB

File: AVK02A Nov 02, 2005 21:46

Analyte	Result	C
ALUMINUM	193.91	B
ANTIMONY	4.11	U
ARSENIC	3.45	U
BARIUM	0.27	U
BERYLLIUM	-0.69	B
CADMIUM	0.40	U
CALCIUM	-24.13	B
CHROMIUM	1.01	U
COBALT	1.12	U
COPPER	-4.94	B
IRON	25.80	U
LEAD	1.65	U
MAGNESIUM	12.10	U
MOLYBDENUM	2.00	U
NICKEL	1.53	U
SELENIUM	3.59	U
SILVER	-1.66	B
THALLIUM	6.13	U
VANADIUM	1.36	U
ZINC	0.59	U

SAMPLE: CCB

File: AVK02A Nov 02, 2005 23:12

Analyte	Result	C
ALUMINUM	178.18	B
ANTIMONY	4.11	U
ARSENIC	3.45	U
BARIUM	0.27	U
BERYLLIUM	-0.68	B
CADMIUM	0.40	U
CALCIUM	-21.25	B
CHROMIUM	1.01	U
COBALT	1.12	U
COPPER	-4.51	B
IRON	25.80	U
LEAD	1.65	U
MAGNESIUM	12.10	U
MOLYBDENUM	2.00	U
NICKEL	1.53	U
SELENIUM	3.59	U
SILVER	1.04	U
THALLIUM	6.13	U
VANADIUM	1.36	U
ZINC	0.59	U

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** MID-6

Concentration Units: ug/L

SAMPLE: CCB

File: AVK02A Nov 03, 2005 0:38

Analyte	Result	C
ALUMINUM	131.38	B
ANTIMONY	4.11	U
ARSENIC	3.45	U
BARIUM	0.27	U
BERYLLIUM	-0.58	B
CADMIUM	0.40	U
CALCIUM	-14.81	B
CHROMIUM	1.01	U
COBALT	1.12	U
COPPER	-2.24	B
IRON	25.80	U
LEAD	-1.66	B
MAGNESIUM	12.10	U
MOLYBDENUM	2.00	U
NICKEL	1.53	U
SELENIUM	3.59	U
SILVER	1.04	U
THALLIUM	6.13	U
VANADIUM	1.36	U
ZINC	0.59	U

SAMPLE: CCB

File: AVK02A Nov 03, 2005 2:04

Analyte	Result	C
ALUMINUM	45.02	B
ANTIMONY	4.11	U
ARSENIC	3.45	U
BARIUM	0.27	U
BERYLLIUM	0.35	U
CADMIUM	0.40	U
CALCIUM	11.30	U
CHROMIUM	1.01	U
COBALT	1.12	U
COPPER	1.74	U
IRON	25.80	U
LEAD	1.65	U
MAGNESIUM	12.10	U
MOLYBDENUM	2.00	U
NICKEL	1.53	U
SELENIUM	3.59	U
SILVER	1.04	U
THALLIUM	6.13	U
VANADIUM	1.36	U
ZINC	57.81	

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** MID-6

Concentration Units: ug/L

SAMPLE: ICB

File: AVK03B Nov 03, 2005 18:42

Analyte	Result	C
ALUMINUM	22.55	B
CALCIUM	11.30	U
IRON	25.80	U
MAGNESIUM	12.10	U
SELENIUM	3.59	U
VANADIUM	1.36	U

SAMPLE: CCB

File: AVK03B Nov 03, 2005 19:32

Analyte	Result	C
ALUMINUM	68.69	B
CALCIUM	11.30	U
IRON	25.80	U
MAGNESIUM	12.10	U
SELENIUM	3.59	U
VANADIUM	1.36	U

SAMPLE: CCB

File: AVK03B Nov 03, 2005 20:58

Analyte	Result	C
ALUMINUM	112.38	B
CALCIUM	11.30	U
IRON	25.80	U
MAGNESIUM	12.10	U
SELENIUM	4.37	B
VANADIUM	1.36	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** MID-6

Concentration Units: ug/L

SAMPLE: CCB

File: AVK03B Nov 03, 2005 22:24

Analyte	Result	C
ALUMINUM	148.59	B
CALCIUM	11.30	U
IRON	25.80	U
MAGNESIUM	12.10	U
SELENIUM	4.45	B
VANADIUM	1.36	U

SAMPLE: CCB

File: AVK03B Nov 03, 2005 23:50

Analyte	Result	C
ALUMINUM	121.03	B
CALCIUM	11.30	U
IRON	25.80	U
MAGNESIUM	12.10	U
SELENIUM	4.50	B
VANADIUM	1.36	U

SAMPLE: CCB

File: AVK03B Nov 04, 2005 1:17

Analyte	Result	C
ALUMINUM	76.33	B
CALCIUM	11.30	U
IRON	25.80	U
MAGNESIUM	14.69	B
SELENIUM	4.63	B
VANADIUM	1.47	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** MID-6

Concentration Units: ug/L

SAMPLE: CCB

File: AVK03B Nov 04, 2005 2:43

Analyte	Result	C
ALUMINUM	52.06	B
CALCIUM	11.30	U
IRON	25.80	U
MAGNESIUM	12.10	U
SELENIUM	3.59	U
VANADIUM	1.36	U

SAMPLE: CCB

File: AVK03B Nov 04, 2005 4:09

Analyte	Result	C
ALUMINUM	22.00	U
CALCIUM	11.30	U
IRON	25.80	U
MAGNESIUM	12.10	U
SELENIUM	3.59	U
VANADIUM	1.36	U

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** MID-6

Concentration Units: ug/L

SAMPLE: ICB

File: AVK04A Nov 04, 2005 14:07

Analyte	Result	C
ALUMINUM	22.00	U
CALCIUM	11.30	U
IRON	25.80	U
MAGNESIUM	12.10	U
SELENIUM	3.59	U

SAMPLE: CCB

File: AVK04A Nov 04, 2005 15:00

Analyte	Result	C
ALUMINUM	64.31	B
CALCIUM	11.30	U
IRON	25.80	U
MAGNESIUM	12.47	B
SELENIUM	3.59	U

SAMPLE: CCB

File: AVK04A Nov 04, 2005 16:26

Analyte	Result	C
ALUMINUM	119.90	B
CALCIUM	11.30	U
IRON	25.80	U
MAGNESIUM	12.10	U
SELENIUM	3.59	U

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** MID-6

Concentration Units: ug/L

SAMPLE: CCB
File: AVK04A Nov 04, 2005 17:03

Analyte	Result	C
ALUMINUM	134.77	B
CALCIUM	-13.65	B
IRON	25.80	U
MAGNESIUM	12.10	U
SELENIUM	3.59	U

SAMPLE: CCB
File: AVK04A Nov 04, 2005 18:30

Analyte	Result	C
ALUMINUM	216.90	B
CALCIUM	-17.11	B
IRON	25.80	U
MAGNESIUM	12.10	U
SELENIUM	3.59	U

SAMPLE: CCB
File: AVK04A Nov 04, 2005 19:34

Analyte	Result	C
ALUMINUM	231.36	B
CALCIUM	-17.15	B
IRON	25.80	U
MAGNESIUM	16.87	B
SELENIUM	3.59	U

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** MID-6

Concentration Units: ug/L

SAMPLE: CCB

File: AVK04A Nov 04, 2005 21:00

Analyte	Result	C
ALUMINUM	259.15	B
CALCIUM	-27.16	B
IRON	25.80	U
MAGNESIUM	22.04	B
SELENIUM	3.59	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** MID-6

Concentration Units: ug/L

SAMPLE: ICB

File: HVJ27A Oct 27, 2005 11:35

Analyte	Result	C
MERCURY	0.04	B

SAMPLE: CCB

File: HVJ27A Oct 27, 2005 12:00

Analyte	Result	C
MERCURY	0.04	B

SAMPLE: CCB

File: HVJ27A Oct 27, 2005 12:26

Analyte	Result	C
MERCURY	0.03	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** MID-6

Concentration Units: ug/L

SAMPLE: CCB

File: HVJ27A Oct 27, 2005 12:49

Analyte	Result	C
MERCURY	0.04	B

Katahdin
ANALYTICAL SERVICES

ACCREDITED IN ACCORDANCE WITH nelac
Cert No E87604

Quality Control Report

Blank Sample Summary Report

Chromium, Hexavalent

Samp Type	QC Batch	Anal. Method	Anal. Date	Prep. Date	Result	PQL
MBLANK	WG22103	SW846 7196A	27-OCT-05	26-OCT-05	U 0.50 mg/Kgdrywt	.5 mg/Kgdryw
MBLANK	WG22159	SW846 7196A	28-OCT-05	27-OCT-05	U 0.50 mg/Kgdrywt	.5 mg/Kgdryw
MBLANK	WG22234	SW846 7196A	29-OCT-05	28-OCT-05	U 0.50 mg/Kgdrywt	.5 mg/Kgdryw

TOC in Soil

Samp Type	QC Batch	Anal. Method	Anal. Date	Prep. Date	Result	PQL
MBLANK	WG22228	Lloyd Kahn	28-OCT-05	N/A	U 400 ug/g	400 ug/g
MBLANK	WG22229	Lloyd Kahn	29-OCT-05	N/A	U 400 ug/g	400 ug/g

Total Solids

Samp Type	QC Batch	Anal. Method	Anal. Date	Prep. Date	Result	PQL
MBLANK	WG22066	CLP SOW 788	26-OCT-05	25-OCT-05	U 1 %	1 %
MBLANK	WG22068	CLP SOW 788	26-OCT-05	25-OCT-05	U 1 %	1 %

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** MID-6

Concentration Units: ug/L

SAMPLE: ICSA

File: AVK02A Nov 02, 2005 12:39

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	496539	99.3
ANTIMONY	0	3	
ARSENIC	0	0	
BARIUM	0	0	
BERYLLIUM	0	0	
CADMIUM	0	-1	
CALCIUM	500000	518115	103.6
CHROMIUM	2	2	
COBALT	0	0	
COPPER	0	-7	
IRON	200000	198500	99.3
LEAD	5	5	
MAGNESIUM	500000	500331	100.1
MOLYBDENUM	0	-1	
NICKEL	0	4	
SELENIUM	0	-5	
SILVER	0	1	
THALLIUM	0	-4	
VANADIUM	0	0	
ZINC	4	7	

SAMPLE: ICSAB

File: AVK02A Nov 02, 2005 12:46

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	500760	100.2
ANTIMONY	600	604	100.7
ARSENIC	100	93	93.0
BARIUM	500	510	102.0
BERYLLIUM	500	490	98.0
CADMIUM	1000	940	94.0
CALCIUM	500000	518646	103.7
CHROMIUM	502	510	101.6
COBALT	500	491	98.2
COPPER	500	515	103.0
IRON	200000	199210	99.6
LEAD	55	53	96.4
MAGNESIUM	500000	500103	100.0
MOLYBDENUM	500	497	99.4
NICKEL	1000	968	96.8
SELENIUM	50	42	84.0
SILVER	200	210	105.0
THALLIUM	100	88	88.0
VANADIUM	500	488	97.6
ZINC	1004	1010	100.6

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** MID-6

Concentration Units: ug/L

SAMPLE: ICSA

File: AVK02A Nov 02, 2005 17:06

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	492483	98.5
ANTIMONY	0	4	
ARSENIC	0	-1	
BARIUM	0	0	
BERYLLIUM	0	0	
CADMIUM	0	-1	
CALCIUM	500000	517377	103.5
CHROMIUM	2	4	
COBALT	0	0	
COPPER	0	-9	
IRON	200000	197682	98.8
LEAD	5	5	
MAGNESIUM	500000	491738	98.3
MOLYBDENUM	0	-2	
NICKEL	0	4	
SELENIUM	0	-8	
SILVER	0	2	
THALLIUM	0	0	
VANADIUM	0	2	
ZINC	4	8	

SAMPLE: ICSAB

File: AVK02A Nov 02, 2005 17:13

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	496573	99.3
ANTIMONY	600	613	102.2
ARSENIC	100	96	96.0
BARIUM	500	511	102.2
BERYLLIUM	500	497	99.4
CADMIUM	1000	964	96.4
CALCIUM	500000	519388	103.9
CHROMIUM	502	525	104.6
COBALT	500	498	99.6
COPPER	500	506	101.2
IRON	200000	198768	99.4
LEAD	55	53	96.4
MAGNESIUM	500000	493229	98.6
MOLYBDENUM	500	504	100.8
NICKEL	1000	988	98.8
SELENIUM	50	43	86.0
SILVER	200	208	104.0
THALLIUM	100	93	93.0
VANADIUM	500	460	92.0
ZINC	1004	1023	101.9

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** MID-6

Concentration Units: ug/L

SAMPLE: ICSA

File: AVK02A Nov 02, 2005 21:24

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	491647	98.3
ANTIMONY	0	1	
ARSENIC	0	-3	
BARIUM	0	0	
BERYLLIUM	0	-1	
CADMIUM	0	-3	
CALCIUM	500000	487246	97.4
CHROMIUM	2	3	
COBALT	0	0	
COPPER	0	-12	
IRON	200000	191834	95.9
LEAD	5	5	
MAGNESIUM	500000	466446	93.3
MOLYBDENUM	0	-1	
NICKEL	0	4	
SELENIUM	0	-10	
SILVER	0	2	
THALLIUM	0	0	
VANADIUM	0	3	
ZINC	4	8	

SAMPLE: ICSAB

File: AVK02A Nov 02, 2005 21:31

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	496748	99.3
ANTIMONY	600	625	104.2
ARSENIC	100	98	98.0
BARIUM	500	540	108.0
BERYLLIUM	500	483	96.6
CADMIUM	1000	923	92.3
CALCIUM	500000	489127	97.8
CHROMIUM	502	523	104.2
COBALT	500	485	97.0
COPPER	500	510	102.0
IRON	200000	193029	96.5
LEAD	55	53	96.4
MAGNESIUM	500000	468409	93.7
MOLYBDENUM	500	511	102.2
NICKEL	1000	967	96.7
SELENIUM	50	39	78.0 *
SILVER	200	209	104.5
THALLIUM	100	89	89.0
VANADIUM	500	429	85.8
ZINC	1004	1028	102.4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** MID-6

Concentration Units: ug/L

SAMPLE: ICSA

File: AVK02A Nov 03, 2005 01:43

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	506173	101.2
ANTIMONY	0	2	
ARSENIC	0	-2	
BARIUM	0	3	
BERYLLIUM	0	-1	
CADMIUM	0	-3	
CALCIUM	500000	488982	97.8
CHROMIUM	2	2	
COBALT	0	0	
COPPER	0	-8	
IRON	200000	194053	97.0
LEAD	5	7	
MAGNESIUM	500000	481799	96.4
MOLYBDENUM	0	0	
NICKEL	0	4	
SELENIUM	0	-3	
SILVER	0	1	
THALLIUM	0	-1	
VANADIUM	0	0	
ZINC	4	5	

SAMPLE: ICSAB

File: AVK02A Nov 03, 2005 01:50

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	507525	101.5
ANTIMONY	600	605	100.8
ARSENIC	100	90	90.0
BARIUM	500	541	108.2
BERYLLIUM	500	476	95.2
CADMIUM	1000	874	87.4
CALCIUM	500000	489993	98.0
CHROMIUM	502	491	97.8
COBALT	500	461	92.2
COPPER	500	534	106.8
IRON	200000	194216	97.1
LEAD	55	54	98.2
MAGNESIUM	500000	481684	96.3
MOLYBDENUM	500	500	100.0
NICKEL	1000	925	92.5
SELENIUM	50	44	88.0
SILVER	200	215	107.5
THALLIUM	100	87	87.0
VANADIUM	500	479	95.8
ZINC	1004	996	99.2

5A

SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services | **Client Field ID:** SD-25-SSS

Matrix: SOIL | **SDG Name:** MID-6

Percent Solids: 42.5 | **Lab Sample ID:** WV5605-002P

Concentration Units : mg/Kg

Analyte	Spiked Sample Result	C	Sample Result	C	Spike Added	%R	Q	Control Limits (%R) Low	High	M
ANTIMONY, TOTAL	49.9667		-0.0258	U	85.92	58.2	N	75	125	P
ARSENIC, TOTAL	87.4984		5.0661		85.92	95.9		75	125	P
BARIUM, TOTAL	375.8433		21.4673		343.7	103.1		75	125	P
BERYLLIUM, TOTAL	9.5513		0.9813		8.59	99.8		75	125	P
CADMIUM, TOTAL	44.3404		4.2876		42.96	93.2		75	125	P
CHROMIUM, TOTAL	104.2399		63.6871		34.37	118.0		75	125	P
COBALT, TOTAL	96.5927		9.8194		85.92	101.0		75	125	P
COPPER, TOTAL	97.8094		61.3311		42.96	84.9		75	125	P
LEAD, TOTAL	133.4130		49.5886		85.92	97.6		75	125	P
MERCURY, TOTAL	0.5042		0.2337		0.35	77.3		75	125	CV
MOLYBDENUM, TOTAL	49.9701		0.3093	U	51.55	96.9		75	125	P
NICKEL, TOTAL	106.0220		17.0852		85.92	103.5		75	125	P
SELENIUM, TOTAL	79.1311		0.6221	B	85.92	91.4		75	125	P
SILVER, TOTAL	8.7093		0.7355	B	8.59	92.8		75	125	P
THALLIUM, TOTAL	79.9543		0.1254	U	85.92	93.1		75	125	P
VANADIUM, TOTAL	104.6644		24.2100		85.92	93.6		75	125	P
ZINC, TOTAL	255.4650		179.5646		85.92	88.3		75	125	P

Comments:

5A

SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services | **Client Field ID:** SD-25-SSS

Matrix: SOIL | **SDG Name:** MID-6

Percent Solids: 42.5 | **Lab Sample ID:** WV5605-002S

Concentration Units : mg/Kg

Analyte	Spiked Sample Result	C	Sample Result	C	Spike Added	%R	Q	Control Limits (%R) Low	High	M
ANTIMONY, TOTAL	48.9253		-0.0258	U	85.92	56.9	N	75	125	P
ARSENIC, TOTAL	87.5844		5.0661		85.92	96.0		75	125	P
BARIUM, TOTAL	378.8162		21.4673		343.7	104.0		75	125	P
BERYLLIUM, TOTAL	9.5496		0.9813		8.59	99.7		75	125	P
CADMIUM, TOTAL	44.2184		4.2876		42.96	92.9		75	125	P
CHROMIUM, TOTAL	98.5483		63.6871		34.37	101.4		75	125	P
COBALT, TOTAL	96.4689		9.8194		85.92	100.8		75	125	P
COPPER, TOTAL	95.1595		61.3311		42.96	78.7		75	125	P
LEAD, TOTAL	124.8085		49.5886		85.92	87.5		75	125	P
MERCURY, TOTAL	0.4981		0.2337		0.31	85.3		75	125	CV
MOLYBDENUM, TOTAL	50.4341		0.3093	U	51.55	97.8		75	125	P
NICKEL, TOTAL	105.5254		17.0852		85.92	102.9		75	125	P
SELENIUM, TOTAL	78.2770		0.6221	B	85.92	90.4		75	125	P
SILVER, TOTAL	8.7608		0.7355	B	8.59	93.4		75	125	P
THALLIUM, TOTAL	80.2138		0.1254	U	85.92	93.4		75	125	P
VANADIUM, TOTAL	103.0920		24.2100		85.92	91.8		75	125	P
ZINC, TOTAL	247.6322		179.5646		85.92	79.2		75	125	P

Comments:

5A

SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services | **Client Field ID:** SD-27-SSS

Matrix: SOIL | **SDG Name:** MID-6

Percent Solids: 35.3 | **Lab Sample ID:** WV5605-004P

Concentration Units : mg/Kg

Analyte	Spiked Sample Result	C	Sample Result	C	Spike Added	%R	Q	Control Limits (%R) Low	High	M
ANTIMONY, TOTAL	32.9851		1.1995	B	112.52	28.2	N	75	125	P
ARSENIC, TOTAL	114.7717		7.4153		112.52	95.4		75	125	P
BARIUM, TOTAL	532.3870		61.5099		450.09	104.6		75	125	P
BERYLLIUM, TOTAL	13.5748		2.2955		11.25	100.3		75	125	P
CADMIUM, TOTAL	75.7823		22.7117		56.26	94.3		75	125	P
CHROMIUM, TOTAL	520.5068		454.0571		45.01	147.6	OV	74	125	P
COBALT, TOTAL	135.8204		22.5992		112.52	100.6		75	125	P
COPPER, TOTAL	156.6327		98.7754		56.26	102.8		75	125	P
LEAD, TOTAL	298.3786		186.3097		112.52	99.6		75	125	P
MERCURY, TOTAL	1.2328		0.6801		0.44	125.6	N	75	125	CV
MOLYBDENUM, TOTAL	65.4887		1.0082	B	67.51	95.5		75	125	P
NICKEL, TOTAL	171.3891		52.8478		112.52	105.4		75	125	P
SELENIUM, TOTAL	105.3738		1.2243	B	112.52	92.6		75	125	P
SILVER, TOTAL	19.0277		8.8961		11.25	90.1		75	125	P
THALLIUM, TOTAL	103.7669		1.7666	B	112.52	90.7		75	125	P
VANADIUM, TOTAL	171.2653		64.8608		112.52	94.6		75	125	P
ZINC, TOTAL	593.3320		455.7787		112.52	122.2		75	125	P

Comments:

5A

SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services | **Client Field ID:** SD-27-SSS

Matrix: SOIL | **SDG Name:** MID-6

Percent Solids: 35.3 | **Lab Sample ID:** WV5605-004S

Concentration Units : mg/Kg

Analyte	Spiked Sample Result	C	Sample Result	C	Spike Added	%R	Q	Control Limits (%R) Low	High	M
ANTIMONY, TOTAL	45.6035		1.1995	B	112.52	39.5	N	75	125	P
ARSENIC, TOTAL	114.5917		7.4153		112.52	95.3		75	125	P
BARIUM, TOTAL	535.0380		61.5099		450.09	105.2		75	125	P
BERYLLIUM, TOTAL	13.4376		2.2955		11.25	99.0		75	125	P
CADMIUM, TOTAL	74.4613		22.7117		56.26	92.0		75	125	P
CHROMIUM, TOTAL	493.8860		454.0571		45.01	88.5		75	125	P
COBALT, TOTAL	135.8114		22.5992		112.52	100.6		75	125	P
COPPER, TOTAL	151.2991		98.7754		56.26	93.4		75	125	P
LEAD, TOTAL	291.1433		186.3097		112.52	93.2		75	125	P
MERCURY, TOTAL	1.4935		0.6801		0.41	198.4	N	75	125	CV
MOLYBDENUM, TOTAL	66.8075		1.0082	B	67.51	97.5		75	125	P
NICKEL, TOTAL	168.3757		52.8478		112.52	102.7		75	125	P
SELENIUM, TOTAL	104.9709		1.2243	B	112.52	92.2		75	125	P
SILVER, TOTAL	18.4516		8.8961		11.25	84.9		75	125	P
THALLIUM, TOTAL	104.4668		1.7666	B	112.52	91.3		75	125	P
VANADIUM, TOTAL	179.4345		64.8608		112.52	101.8		75	125	P
ZINC, TOTAL	576.1519		455.7787		112.52	107.0		75	125	P

Comments:

5A

SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services **Client Field ID:** SD-31-02S

Matrix: SOIL **SDG Name:** MID-6

Percent Solids: 32.4 **Lab Sample ID:** WV5605-016P

Concentration Units : mg/Kg

Analyte	Spiked Sample Result	C	Sample Result	C	Spike Added	%R	Q	Control Limits (%R) Low	High	M
ANTIMONY, TOTAL	43.6056		1.0565	B	106.5	40.0	N	75	125	P
ARSENIC, TOTAL	110.7436		8.0621		106.5	96.4		75	125	P
BARIUM, TOTAL	494.4524		45.7441		426	105.3		75	125	P
BERYLLIUM, TOTAL	12.0559		1.9426		10.65	95.0		75	125	P
CADMIUM, TOTAL	51.4377		2.8862		53.25	91.2		75	125	P
CHROMIUM, TOTAL	169.2039		101.9530		42.6	157.9	N	75	125	P
COBALT, TOTAL	122.0688		17.7494		106.5	98.0		75	125	P
COPPER, TOTAL	131.1981		45.9529		53.25	160.1	N	75	125	P
LEAD, TOTAL	161.4868		58.5242		106.5	96.7		75	125	P
MERCURY, TOTAL	0.6408		0.3994		0.41	58.9	N	75	125	CV
MOLYBDENUM, TOTAL	64.8610		0.5432	B	63.9	100.7		75	125	P
NICKEL, TOTAL	144.0633		31.0364		106.5	106.1		75	125	P
SELENIUM, TOTAL	95.3904		0.0320	U	106.5	89.6		75	125	P
SILVER, TOTAL	11.2550		0.8541	B	10.65	97.7		75	125	P
THALLIUM, TOTAL	95.3351		0.8158	U	106.5	89.5		75	125	P
VANADIUM, TOTAL	147.4628		40.3637		106.5	100.6		75	125	P
ZINC, TOTAL	315.2907		185.7434		106.5	121.6		75	125	P

Comments:

5A

SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services | **Client Field ID:** SD-31-02S

Matrix: SOIL | **SDG Name:** MID-6

Percent Solids: 32.4 | **Lab Sample ID:** WV5605-016S

Concentration Units : mg/Kg

Analyte	Spiked Sample Result	C	Sample Result	C	Spike Added	%R	Q	Control Limits (%R) Low	High	M
ANTIMONY, TOTAL	37.0622		1.0565	B	105.77	34.0	N	75	125	P
ARSENIC, TOTAL	106.9198		8.0621		105.77	93.5		75	125	P
BARIUM, TOTAL	502.2309		45.7441		423.08	107.9		75	125	P
BERYLLIUM, TOTAL	12.1869		1.9426		10.58	96.8		75	125	P
CADMIUM, TOTAL	51.0600		2.8862		52.89	91.1		75	125	P
CHROMIUM, TOTAL	174.2008		101.9530		42.31	170.8	N	75	125	P
COBALT, TOTAL	120.7631		17.7494		105.77	97.4		75	125	P
COPPER, TOTAL	100.2837		45.9529		52.89	102.7		75	125	P
LEAD, TOTAL	160.6558		58.5242		105.77	96.6		75	125	P
MERCURY, TOTAL	0.7260		0.3994		0.45	72.6	N	75	125	CV
MOLYBDENUM, TOTAL	62.4600		0.5432	B	63.46	97.6		75	125	P
NICKEL, TOTAL	139.2921		31.0364		105.77	102.4		75	125	P
SELENIUM, TOTAL	96.1333		0.0320	U	105.77	90.9		75	125	P
SILVER, TOTAL	10.9833		0.8541	B	10.58	95.7		75	125	P
THALLIUM, TOTAL	95.6869		0.8158	U	105.77	90.5		75	125	P
VANADIUM, TOTAL	153.1883		40.3637		105.77	106.7		75	125	P
ZINC, TOTAL	307.9103		185.7434		105.77	115.5		75	125	P

Comments:

5D

SPIKE DUPLICATES

Lab Name: Katahdin Analytical Services **Client Field ID:** SD-25-SS

Matrix: SOIL **SDG Name:** MID-6

Percent Solids: 42.5 **Lab Sample ID:** WV5605-002

Concentration Units : mg/Kg

Analyte	Control Limits	Spike Result	C	Spike Dup. Result	C	RPD	Q	M
ANTIMONY, TOTAL		48.9253		49.9667		2.1		P
ARSENIC, TOTAL		87.5844		87.4984		0.1		P
BARIUM, TOTAL		378.8162		375.8433		0.8		P
BERYLLIUM, TOTAL		9.5496		9.5513		0.0		P
CADMIUM, TOTAL		44.2184		44.3404		0.3		P
CHROMIUM, TOTAL		98.5483		104.2399		5.6		P
COBALT, TOTAL		96.4689		96.5927		0.1		P
COPPER, TOTAL		95.1595		97.8094		2.7		P
LEAD, TOTAL		124.8085		133.4130		6.7		P
MERCURY, TOTAL		0.4981		0.5042		1.2		CV
MOLYBDENUM, TOTAL	17	50.4341		49.9701		0.9		P
NICKEL, TOTAL		105.5254		106.0220		0.5		P
SELENIUM, TOTAL		78.2770		79.1311		1.1		P
SILVER, TOTAL	2.6	8.7608		8.7093		0.6		P
THALLIUM, TOTAL		80.2138		79.9543		0.3		P
VANADIUM, TOTAL		103.0920		104.6644		1.5		P
ZINC, TOTAL		247.6322		255.4650		3.1		P

Comments:

5D

SPIKE DUPLICATES

Lab Name: Katahdin Analytical Services | **Client Field ID:** SD-27-SS

Matrix: SOIL | **SDG Name:** MID-6

Percent Solids: 35.3 | **Lab Sample ID:** WV5605-004

Concentration Units : mg/Kg

Analyte	Control Limits	Spike Result	C	Spike Dup. Result	C	RPD	Q	M
ANTIMONY, TOTAL		45.6035		32.9851		32.1	*	P
ARSENIC, TOTAL		114.5917		114.7717		0.2		P
BARIUM, TOTAL		535.0380		532.3870		0.5		P
BERYLLIUM, TOTAL		13.4376		13.5748		1.0		P
CADMIUM, TOTAL		74.4613		75.7823		1.8		P
CHROMIUM, TOTAL		493.8860		520.5068		5.2		P
COBALT, TOTAL		135.8114		135.8204		0.0		P
COPPER, TOTAL		151.2991		156.6327		3.5		P
LEAD, TOTAL		291.1433		298.3786		2.5		P
MERCURY, TOTAL		1.4935		1.2328		19.1		CV
MOLYBDENUM, TOTAL	22	66.8075		65.4887		2.0		P
NICKEL, TOTAL		168.3757		171.3891		1.8		P
SELENIUM, TOTAL		104.9709		105.3738		0.4		P
SILVER, TOTAL		18.4516		19.0277		3.1		P
THALLIUM, TOTAL		104.4668		103.7669		0.7		P
VANADIUM, TOTAL		179.4345		171.2653		4.7		P
ZINC, TOTAL		576.1519		593.3320		2.9		P

Comments:

5D

SPIKE DUPLICATES

Lab Name: Katahdin Analytical Services | **Client Field ID:** SD-31-02

Matrix: SOIL | **SDG Name:** MID-6

Percent Solids: 32.4 | **Lab Sample ID:** WV5605-016

Concentration Units : mg/Kg

Analyte	Control Limits	Spike Result	C	Spike Dup. Result	C	RPD	Q	M
ANTIMONY, TOTAL		37.0622		43.6056		16.2		P
ARSENIC, TOTAL		106.9198		110.7436		3.5		P
BARIUM, TOTAL		502.2309		494.4524		1.6		P
BERYLLIUM, TOTAL		12.1869		12.0559		1.1		P
CADMIUM, TOTAL		51.0600		51.4377		0.7		P
CHROMIUM, TOTAL		174.2008		169.2039		2.9		P
COBALT, TOTAL		120.7631		122.0688		1.1		P
COPPER, TOTAL		100.2837		131.1981		26.7	*	P
LEAD, TOTAL		160.6558		161.4868		0.5		P
MERCURY, TOTAL		0.7260		0.6408		12.5		CV
MOLYBDENUM, TOTAL	21	62.4600		64.8610		3.8		P
NICKEL, TOTAL		139.2921		144.0633		3.4		P
SELENIUM, TOTAL		96.1333		95.3904		0.8		P
SILVER, TOTAL	3.2	10.9833		11.2550		2.4		P
THALLIUM, TOTAL		95.6869		95.3351		0.4		P
VANADIUM, TOTAL		153.1883		147.4628		3.8		P
ZINC, TOTAL		307.9103		315.2907		2.4		P

Comments:

ICP SERIAL DILUTION

Lab Name: Katahdin Analytical Services **Client Field ID:** SD-25-SSL

Matrix: SOIL **SDG Name:** MID-6

Lab Sample ID: WV5605-002L

Concentration Units: ug/L

Analyte	Sample Result	C	Dilution Result	C	% Difference	Q	M
ANTIMONY, TOTAL	-0.15	U	2.60	U			P
ARSENIC, TOTAL	29.48		26.17	B	11.2		P
BARIUM, TOTAL	124.92		123.37		1.2		P
BERYLLIUM, TOTAL	5.71		5.52	B	3.3		P
CADMIUM, TOTAL	24.95		27.15	B	8.8		P
CHROMIUM, TOTAL	370.60		364.66		1.6		P
COBALT, TOTAL	57.14		55.74	B	2.5		P
COPPER, TOTAL	356.89		332.61		6.8		P
LEAD, TOTAL	288.56		294.17		1.9		P
MOLYBDENUM, TOTAL	1.80	U	-3.75	U			P
NICKEL, TOTAL	99.42		101.37	B	2.0		P
SELENIUM, TOTAL	3.62	B	16.86	U	100.0		P
SILVER, TOTAL	4.28	B	-4.53	U	100.0		P
THALLIUM, TOTAL	0.73	U	11.36	U			P
VANADIUM, TOTAL	140.88		145.44		3.2		P
ZINC, TOTAL	1044.90		1051.21		0.6		P

ICP SERIAL DILUTION

Lab Name: Katahdin Analytical Services **Client Field ID:** SD-27-SSL

Matrix: SOIL **SDG Name:** MID-6

Lab Sample ID: WV5605-004L

Concentration Units: ug/L

Analyte	Sample Result	C	Dilution Result	C	% Difference	Q	M
ANTIMONY, TOTAL	5.33	B	-4.03	U	100.0		P
ARSENIC, TOTAL	32.95		37.28	B	13.1		P
BARIUM, TOTAL	273.32		275.22		0.7		P
BERYLLIUM, TOTAL	10.20		9.08	B	11.0		P
CADMIUM, TOTAL	100.92		103.67		2.7		P
CHROMIUM, TOTAL	2017.61		2048.75		1.5		P
COBALT, TOTAL	100.42		101.88	B	1.5		P
COPPER, TOTAL	438.91		418.31		4.7		P
LEAD, TOTAL	827.87		842.46		1.8		P
MOLYBDENUM, TOTAL	4.48	B	0.28	U	100.0		P
NICKEL, TOTAL	234.83		240.04		2.2		P
SELENIUM, TOTAL	5.44	B	15.41	U	100.0		P
SILVER, TOTAL	39.53		36.79	B	6.9		P
THALLIUM, TOTAL	7.85	B	-0.99	U	100.0		P
VANADIUM, TOTAL	288.21		292.13		1.4		P
ZINC, TOTAL	2025.26		2093.95		3.4		P

ICP SERIAL DILUTION

Lab Name: Katahdin Analytical Services **Client Field ID:** SD-31-02L

Matrix: SOIL **SDG Name:** MID-6

Lab Sample ID: WV5605-016L

Concentration Units: ug/L

Analyte	Sample Result	C	Dilution Result	C	% Difference	Q	M
ANTIMONY, TOTAL	4.96	B	1.94	U	100.0		P
ARSENIC, TOTAL	37.85		36.19	B	4.4		P
BARIUM, TOTAL	214.76		214.04		0.3		P
BERYLLIUM, TOTAL	9.12		7.28	B	20.2		P
CADMIUM, TOTAL	13.55		14.03	B	3.5		P
CHROMIUM, TOTAL	478.65		481.68		0.6		P
COBALT, TOTAL	83.33		83.36	B	0.0		P
COPPER, TOTAL	215.74		193.03		10.5	E	P
LEAD, TOTAL	274.76		277.73		1.1		P
MOLYBDENUM, TOTAL	2.55	B	1.23	U	100.0		P
NICKEL, TOTAL	145.71		146.53	B	0.6		P
SELENIUM, TOTAL	0.15	U	21.36	B			P
SILVER, TOTAL	4.01	B	3.41	U	100.0		P
THALLIUM, TOTAL	3.83	U	-16.25	U			P
VANADIUM, TOTAL	189.50		189.55		0.0		P
ZINC, TOTAL	872.03		880.25		0.9		P

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** MID-6

Instrument ID: TJA TRACE ICP **File Name:** AVK02A

Date: 11/2/05 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements
CCB		1	17:27	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mo Ni Se Ag Tl V Zn
PBSVJ27ICS0		1	17:35	Sb As Ba Be Cd Cr Co Cu Pb Mo Ni Ag Tl V Zn
WV5605-001	SD-24-SS	1	17:42	Sb As Ba Be Cd Cr Co Cu Pb Mo Ni Ag Tl V Zn
WV5605-002	SD-25-SS	1	17:49	Sb As Ba Be Cd Cr Co Cu Pb Mo Ni Ag Tl V Zn
WV5605-002L	SD-25-SSL	5	17:56	Sb As Ba Be Cd Cr Co Cu Pb Mo Ni Ag Tl V Zn
WV5605-002P	SD-25-SSP	1	18:03	Sb As Ba Be Cd Cr Co Cu Pb Mo Ni Ag Tl V Zn
WV5605-002S	SD-25-SSS	1	18:10	Sb As Ba Be Cd Cr Co Cu Pb Mo Ni Ag Tl V Zn
WV5605-003	SD-26-SS	1	18:18	Sb As Ba Be Cd Cr Co Cu Pb Mo Ni Ag Tl V Zn
WV5605-004	SD-27-SS	1	18:25	Sb As Ba Be Cd Cr Co Cu Pb Mo Ni Ag Tl V Zn
WV5605-004L	SD-27-SSL	5	18:32	Sb As Ba Be Cd Cr Co Cu Pb Mo Ni Ag Tl V Zn
WV5605-004P	SD-27-SSP	1	18:39	Sb As Ba Be Cd Cr Co Cu Pb Mo Ni Ag Tl V Zn
CCV		1	18:46	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mo Ni Se Ag Tl V Zn
CCB		1	18:53	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mo Ni Se Ag Tl V Zn
WV5605-004S	SD-27-SSS	1	19:01	Sb As Ba Be Cd Cr Co Cu Pb Mo Ni Ag Tl Zn
WV5605-005	SD-27-01	1	19:08	Sb As Ba Be Cd Cr Co Cu Pb Mo Ni Ag Tl Zn
WV5605-006	SD-27-02	1	19:15	Sb As Ba Be Cd Cr Co Cu Pb Mo Ni Ag Tl Zn
WV5605-007	SD-28-SS	1	19:22	Sb As Ba Be Cd Cr Co Cu Pb Mo Ni Ag Tl Zn
WV5605-008	SD-28-01	1	19:29	Sb As Ba Be Cd Cr Co Cu Pb Mo Ni Ag Tl Zn
WV5605-009	SD-28-02	1	19:37	Sb As Ba Be Cd Cr Co Cu Pb Mo Ni Ag Tl Zn
WV5605-010	SD-29-SS	1	19:44	Sb As Ba Be Cd Cr Co Cu Pb Mo Ni Ag Tl Zn
WV5605-011	SD-29-01	1	19:51	Sb As Ba Be Cd Cr Co Cu Pb Mo Ni Ag Tl Zn
WV5605-012	SD-29-02	1	19:58	Sb As Ba Be Cd Cr Co Cu Pb Mo Ni Ag Tl Zn
WV5605-013	SD-30-SS	1	20:05	Sb As Ba Be Cd Cr Co Cu Pb Mo Ni Ag Tl Zn
CCV		1	20:12	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mo Ni Se Ag Tl V Zn
CCB		1	20:20	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mo Ni Se Ag Tl V Zn
WV5605-014	SD-31-SS	1	20:27	Sb As Ba Be Cd Cr Co Cu Pb Mo Ni Ag Tl Zn
WV5605-015	SD-31-01	2	20:34	Sb As Ba Be Cd Cr Co Cu Pb Mo Ni Ag Tl Zn
WV5605-016	SD-31-02	1	20:41	Sb As Ba Be Cd Cr Co Cu Pb Mo Ni Ag Tl Zn
WV5605-016L	SD-31-02L	5	20:48	Sb As Ba Be Cd Cr Co Cu Pb Mo Ni Ag Tl Zn
WV5605-016P	SD-31-02P	1	20:55	Sb As Ba Be Cd Cr Co Cu Pb Mo Ni Ag Tl Zn
WV5605-016S	SD-31-02S	1	21:03	Sb As Ba Be Cd Cr Co Cu Pb Mo Ni Ag Tl Zn
WV5605-017	SD-32-SS	1	21:10	Sb As Ba Be Cd Cr Co Cu Pb Mo Ni Ag Tl Zn
CRI		1	21:17	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mo Ni Se Ag Tl V Zn
ICSA		1	21:24	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mo Ni Se Ag Tl V Zn
ICSAB		1	21:31	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mo Ni Se Ag Tl V Zn
CCV		1	21:38	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mo Ni Se Ag Tl V Zn
CCB		1	21:46	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mo Ni Se Ag Tl V Zn
WV5605-018	SD-33-SS	1	21:53	Sb As Ba Be Cd Cr Co Cu Pb Mo Ni Ag Tl Zn
WV5605-019	SD-34-SS	1	22:00	Sb As Ba Be Cd Cr Co Cu Pb Mo Ni Ag Tl Zn
WV5605-020	SD-35-SS	1	22:07	Sb As Ba Be Cd Cr Co Cu Pb Mo Ni Ag Tl Zn
ZZZZZZ		1	22:14	
ZZZZZZ		1	22:22	
ZZZZZZ		1	22:29	
ZZZZZZ		1	22:36	
ZZZZZZ		1	22:43	
ZZZZZZ		1	22:50	
ZZZZZZ		1	22:57	
CCV		1	23:05	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mo Ni Se Ag Tl V Zn
CCB		1	23:12	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mo Ni Se Ag Tl V Zn
ZZZZZZ		1	23:19	
ZZZZZZ		1	23:26	

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** MID-6

Instrument ID: TJA TRACE ICP **File Name:** AVK02A

Date: 11/2/05 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements											
ZZZZZZ		1	23:33												
ZZZZZZ		1	23:41												
ZZZZZZ		1	23:48												
ZZZZZZ		1	23:55												
ZZZZZZ		1	0:02												
ZZZZZZ		1	0:09												
ZZZZZZ		1	0:16												
ZZZZZZ		1	0:24												
CCV		1	0:31	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	Se	Ag	Tl	V	Zn
CCB		1	0:38	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	Se	Ag	Tl	V	Zn
ZZZZZZ		1	0:45																				
ZZZZZZ		1	0:52																				
ZZZZZZ		1	1:00																				
ZZZZZZ		1	1:07																				
ZZZZZZ		1	1:14																				
ZZZZZZ		1	1:21																				
ZZZZZZ		1	1:28																				
CRI		1	1:36	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	Se	Ag	Tl	V	Zn
ICSA		1	1:43	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	Se	Ag	Tl	V	Zn
ICSAB		1	1:50	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	Se	Ag	Tl	V	Zn
CCV		1	1:57	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	Se	Ag	Tl	V	Zn
CCB		1	2:04	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	Se	Ag	Tl	V	Zn

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** MID-6

Instrument ID: TJA TRACE ICP **File Name:** AVK03B

Date: 11/3/05 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements				
S0		1	18:17 Al	Ca	Fe	Mg	Se	V
S1		1	18:25 Al	Ca	Fe	Mg	Se	V
ICV		1	18:35 Al	Ca	Fe	Mg	Se	V
ICB		1	18:42 Al	Ca	Fe	Mg	Se	V
PQL		1	18:49 Al	Ca	Fe	Mg	Se	V
0.1PPM CA,MG		1	18:56 Al	Ca	Fe	Mg	Se	V
CRI		1	19:04 Al	Ca	Fe	Mg	Se	V
ICSA		1	19:11 Al	Ca	Fe	Mg	Se	V
ICSAB		1	19:18 Al	Ca	Fe	Mg	Se	V
CCV		1	19:25 Al	Ca	Fe	Mg	Se	V
CCB		1	19:32 Al	Ca	Fe	Mg	Se	V
ZZZZZZ		1	19:40					
ZZZZZZ		1	19:47					
ZZZZZZ		1	19:54					
ZZZZZZ		1	20:01					
WV5605-001	SD-24-SS	1	20:08				Se	
WV5605-002	SD-25-SS	1	20:15				Se	
WV5605-002L	SD-25-SSL	5	20:23				Se	
WV5605-002P	SD-25-SSP	1	20:30				Se	
WV5605-002S	SD-25-SSS	1	20:37				Se	
WV5605-003	SD-26-SS	1	20:44				Se	
CCV		1	20:51 Al	Ca	Fe	Mg	Se	V
CCB		1	20:58 Al	Ca	Fe	Mg	Se	V
WV5605-004	SD-27-SS	1	21:06				Se	
WV5605-004L	SD-27-SSL	5	21:13				Se	
WV5605-004P	SD-27-SSP	1	21:20				Se	
WV5605-004S	SD-27-SSS	1	21:27				Se	V
WV5605-005	SD-27-01	1	21:34				Se	V
WV5605-006	SD-27-02	1	21:41				Se	V
WV5605-007	SD-28-SS	1	21:49				Se	V
WV5605-008	SD-28-01	1	21:56				Se	V
WV5605-009	SD-28-02	1	22:03				Se	V
WV5605-010	SD-29-SS	1	22:10				Se	V
CCV		1	22:17 Al	Ca	Fe	Mg	Se	V
CCB		1	22:24 Al	Ca	Fe	Mg	Se	V
WV5605-011	SD-29-01	1	22:32				Se	V
WV5605-012	SD-29-02	2	22:39				Se	V
WV5605-013	SD-30-SS	1	22:46				Se	V
WV5605-014	SD-31-SS	1	22:53				Se	V
WV5605-015	SD-31-01	2	23:00				Se	V
WV5605-016	SD-31-02	1	23:07				Se	V
WV5605-016L	SD-31-02L	5	23:15				Se	V
CRI		1	23:22 Al	Ca	Fe	Mg	Se	V
ICSA		1	23:29 Al	Ca	Fe	Mg	Se	V
ICSAB		1	23:36 Al	Ca	Fe	Mg	Se	V
CCV		1	23:43 Al	Ca	Fe	Mg	Se	V
CCB		1	23:50 Al	Ca	Fe	Mg	Se	V
WV5605-016P	SD-31-02P	1	23:58					V
WV5605-016S	SD-31-02S	1	0:05					V
WV5605-017	SD-32-SS	1	0:12					V

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** MID-6

Instrument ID: TJA TRACE ICP **File Name:** AVK03B

Date: 11/4/05 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements				
WV5605-018	SD-33-SS	1	0:19					V
WV5605-019	SD-34-SS	1	0:26					V
WV5605-020	SD-35-SS	1	0:34					V
ZZZZZZ		5	0:41					
ZZZZZZ		5	0:48					
ZZZZZZ		5	0:55					
ZZZZZZ		1	1:02					
CCV		1	1:09 Al	Ca	Fe	Mg	Se	V
CCB		1	1:17 Al	Ca	Fe	Mg	Se	V
ZZZZZZ		1	1:24					
ZZZZZZ		1	1:31					
ZZZZZZ		1	1:38					
ZZZZZZ		1	1:45					
ZZZZZZ		5	1:52					
ZZZZZZ		1	2:00					
ZZZZZZ		1	2:07					
ZZZZZZ		1	2:14					
ZZZZZZ		5	2:21					
ZZZZZZ		1	2:28					
CCV		1	2:36 Al	Ca	Fe	Mg	Se	V
CCB		1	2:43 Al	Ca	Fe	Mg	Se	V
ZZZZZZ		1	2:50					
ZZZZZZ		1	2:57					
ZZZZZZ		1	3:04					
ZZZZZZ		1	3:11					
ZZZZZZ		1	3:19					
ZZZZZZ		1	3:26					
ZZZZZZ		1	3:33					
CRI		1	3:40 Al	Ca	Fe	Mg	Se	V
ICSA		1	3:47 Al	Ca	Fe	Mg	Se	V
ICSAB		1	3:55 Al	Ca	Fe	Mg	Se	V
CCV		1	4:02 Al	Ca	Fe	Mg	Se	V
CCB		1	4:09 Al	Ca	Fe	Mg	Se	V

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** MID-6

Instrument ID: TJA TRACE ICP **File Name:** AVK04A

Date: 11/4/05 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements			
S0		1	13:14 Al	Ca	Fe	Mg	Se
S1		1	13:21 Al	Ca	Fe	Mg	Se
AL IEC		1	13:31 Al	Ca	Fe	Mg	Se
FE IEC		1	13:38 Al	Ca	Fe	Mg	Se
MN IEC		1	13:46 Al	Ca	Fe	Mg	Se
IEC		1	13:53 Al	Ca	Fe	Mg	Se
ICV		1	14:00 Al	Ca	Fe	Mg	Se
ICB		1	14:07 Al	Ca	Fe	Mg	Se
PQL		1	14:14 Al	Ca	Fe	Mg	Se
0.1PPM CA,MG		1	14:22 Al	Ca	Fe	Mg	Se
CRI		1	14:32 Al	Ca	Fe	Mg	Se
ICSA		1	14:39 Al	Ca	Fe	Mg	Se
ICSAB		1	14:46 Al	Ca	Fe	Mg	Se
CCV		1	14:53 Al	Ca	Fe	Mg	Se
CCB		1	15:00 Al	Ca	Fe	Mg	Se
ZZZZZZ		1	15:08				
ZZZZZZ		1	15:15				
ZZZZZZ		1	15:22				
ZZZZZZ		1	15:29				
ZZZZZZ		1	15:36				
ZZZZZZ		1	15:43				
ZZZZZZ		1	15:50				
ZZZZZZ		5	15:58				
ZZZZZZ		1	16:05				
ZZZZZZ		1	16:12				
CCV		1	16:19 Al	Ca	Fe	Mg	Se
CCB		1	16:26 Al	Ca	Fe	Mg	Se
CRI		1	16:34 Al	Ca	Fe	Mg	Se
ICSA		1	16:41 Al	Ca	Fe	Mg	Se
ICSAB		1	16:48 Al	Ca	Fe	Mg	Se
CCV		1	16:56 Al	Ca	Fe	Mg	Se
CCB		1	17:03 Al	Ca	Fe	Mg	Se
PBSVJ27ICS0		1	17:11				Se
WV5605-016P	SD-31-02P	1	17:18				Se
WV5605-016S	SD-31-02S	1	17:25				Se
WV5605-017	SD-32-SS	1	17:32				Se
WV5605-018	SD-33-SS	1	17:39				Se
WV5605-019	SD-34-SS	1	17:47				Se
WV5605-020	SD-35-SS	1	17:54				Se
ZZZZZZ		1	18:01				
ZZZZZZ		5	18:08				
ZZZZZZ		1	18:15				
CCV		1	18:22 Al	Ca	Fe	Mg	Se
CCB		1	18:30 Al	Ca	Fe	Mg	Se
ZZZZZZ		1	18:37				
ZZZZZZ		1	18:44				
ZZZZZZ		1	18:51				
ZZZZZZ		3	18:58				
ZZZZZZ		1	19:05				
ZZZZZZ		5	19:13				

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** MID-6

Instrument ID: TJA TRACE ICP **File Name:** AVK04A

Date: 11/4/05 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements			
ZZZZZZ		5	19:20				
CCV		1	19:27 Al	Ca	Fe	Mg	Se
CCB		1	19:34 Al	Ca	Fe	Mg	Se
ZZZZZZ		1	19:41				
ZZZZZZ		1	19:48				
ZZZZZZ		1	19:56				
ZZZZZZ		1	20:03				
ZZZZZZ		1	20:10				
ZZZZZZ		1	20:17				
ZZZZZZ		1	20:24				
CRI		1	20:31 Al	Ca	Fe	Mg	Se
ICSA		1	20:39 Al	Ca	Fe	Mg	Se
ICSAB		1	20:46 Al	Ca	Fe	Mg	Se
CCV		1	20:53 Al	Ca	Fe	Mg	Se
CCB		1	21:00 Al	Ca	Fe	Mg	Se

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** MID-6

Instrument ID: CETAC M6100 **File Name:** HVJ27A

Date: 10/27/05 **Method:** CV

Lab Sample ID	Client ID	D.F.	Time	Elements
Calibration Blank		1	11:20	Hg
Standard #1 (0.2 p		1	11:22	Hg
Standard #2 (0.5 p		1	11:24	Hg
Standard #3 (1.0 p		1	11:26	Hg
Standard #4 (5.0 p		1	11:29	Hg
Standard #5 (10.0		1	11:31	Hg
ICV		1	11:33	HG
ICB		1	11:35	HG
CRA		1	11:37	HG
LCSOVJ26HGS0		1	11:39	HG
PBSVJ26HGS0		1	11:41	HG
WV5605-001	SD-24-SS	1	11:43	HG
WV5605-002	SD-25-SS	1	11:45	HG
WV5605-002S	SD-25-SSS	1	11:48	HG
WV5605-002P	SD-25-SSP	1	11:50	HG
WV5605-003	SD-26-SS	1	11:52	HG
WV5605-004	SD-27-SS	1	11:54	HG
WV5605-004S	SD-27-SSS	1	11:56	HG
CCV		1	11:58	HG
CCB		1	12:00	HG
WV5605-004P	SD-27-SSP	1	12:02	HG
WV5605-005	SD-27-01	1	12:05	HG
WV5605-006	SD-27-02	1	12:07	HG
WV5605-007	SD-28-SS	1	12:09	HG
WV5605-008	SD-28-01	1	12:11	HG
WV5605-009	SD-28-02	1	12:13	HG
WV5605-010	SD-29-SS	1	12:15	HG
WV5605-011	SD-29-01	1	12:17	HG
WV5605-012	SD-29-02	1	12:19	HG
WV5605-013	SD-30-SS	1	12:22	HG
CCV		1	12:24	HG
CCB		1	12:26	HG
WV5605-014	SD-31-SS	1	12:28	HG
WV5605-015	SD-31-01	1	12:30	HG
WV5605-016	SD-31-02	1	12:32	HG
WV5605-016S	SD-31-02S	1	12:34	HG
WV5605-016P	SD-31-02P	1	12:37	HG
WV5605-017	SD-32-SS	1	12:39	HG
WV5605-018	SD-33-SS	1	12:41	HG
WV5605-019	SD-34-SS	1	12:43	HG
WV5605-020	SD-35-SS	1	12:45	HG
CCV		1	12:47	HG
CCB		1	12:49	HG

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Quality Control Report

Matrix Spike Sample Summary Report

Chromium, Hexavalent

Matrix Spike Sample ID	Sample Type	Original Sample ID	QC Batch	Analysis Date	Result Units	Spike Amount	Sample Result	MS Result	Recovery (%)	Recovery Limit
WG22103-4	MS	WV5605-2	WG22103	27-OCT-05	mg/Kgdrywt	3692.16	U 1.1	1700	46*	75 - 125
WG22159-4	MS	WV5605-4	WG22159	28-OCT-05	mg/Kgdrywt	4777.74	U 1.4	2000	46*	75 - 125
WG22234-4	MS	WV5605-16	WG22234	29-OCT-05	mg/Kgdrywt	5258.17	U 1.5	2400	45*	75 - 125

TOC In Soil

Matrix Spike Sample ID	Sample Type	Original Sample ID	QC Batch	Analysis Date	Result Units	Spike Amount	Sample Result	MS Result	Recovery (%)	Recovery Limit
WG22229-3	MS	WV5605-16	WG22229	29-OCT-05	ug/g	129658.36	54000	190000	105	75 - 125
WG22228-3	MS	WV5605-2	WG22228	28-OCT-05	ug/g	75823.71	28000	150000	166*	75 - 125
WG22228-5	MS	WV5605-4	WG22228	28-OCT-05	ug/g	91841.05	47000	160000	129*	75 - 125
WG22228-4	MSD	WV5605-2	WG22228	28-OCT-05	ug/g	76705.46	28000	120000	126*	75 - 125
WG22229-4	MSD	WV5605-16	WG22229	29-OCT-05	ug/g	92221.79	54000	150000	102	75 - 125
WG22228-6	MSD	WV5605-4	WG22228	28-OCT-05	ug/g	94211.86	47000	160000	121	75 - 125

#1	42692	--	--	--	--	--	--
#2	44111	--	--	--	--	--	--

Method: NONAK Sample Name: WV5605-007 Operator:
Run Time: 11/02/05 19:22:39
Comment:
Mode: CONC Corr. Factor: 1

Sample: SD-28-55

28.9% solids
1.16g / 100 mL
Pb = 235 mg/kg

Elem	Al	As	Ba	Be	B	Cd	Ca
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	50.314	.02823	.22405	.00739	.02896	.13224	9.1144
SDev	.039	.00319	.00010	.00019	.00139	.00011	.0123
%RSD	.07669	11.286	.04358	2.5764	4.7860	.08254	.13512
#1	50.342	.02597	.22398	.00725	.02798	.13217	9.1057
#2	50.287	.03048	.22412	.00752	.02994	.13232	9.1231

Elem	Cr	Co	Cu	Fe	Mg	Mn	Mo
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	2.2808	.07014	.37475	113.76	15.036	1.0360	.00641
SDev	.0018	.00048	.00185	.04	.018	.0015	.00057
%RSD	.07740	.68367	.49410	.03535	.11993	.14919	8.8227
#1	2.2821	.06980	.37606	113.79	15.023	1.0371	.00681
#2	2.2796	.07048	.37344	113.73	15.049	1.0349	.00601

Elem	Ni	Ag	Sr	Tl	Sn	Ti	V
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.21040	.09606	.13461	.00568	.08642	.73218	.37211
SDev	.00151	.00030	.00016	.00120	.00069	.00030	.00173
%RSD	.71776	.31411	.11689	21.169	.80027	.04141	.46466
#1	.20933	.09584	.13472	.00483	.08593	.73239	.37089
#2	.21147	.09627	.13450	.00653	.08691	.73196	.37333

Elem	Zn	Pb	Se	Sb	2068/1	2068/2	2203/1
Units	mg/L	mg/L	mg/L	mg/L			
Avge	2.1316	.78916	.00411	.00333	.00477	.00262	.76671
SDev	.0054	.00613	.00130	.00150	.00740	.00595	.01022
%RSD	.25509	.77722	31.676	45.005	155.27	227.01	1.3333
#1	2.1355	.78483	.00503	.00440	-.00047	.00682	.77394
#2	2.1278	.79350	.00319	.00227	.01000	-.00159	.75948

Elem	2203/2	1960/1	1960/2
Units			
Avge	.80037	-.00290	.00762
SDev	.01430	.00854	.00231
%RSD	1.7866	294.30	30.334
#1	.79026	.00314	.00598
#2	.81048	-.00894	.00925

$0.78916 \times \frac{100\ mL}{1.16\ g} = \frac{68.03}{0.289} = 235\ mg/kg$ ✓

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED

INSTRUMENT DETECTION LIMITS

Lab Name: Katahdin Analytical Services **Instrument Code:** A

Instrument Name: TJA TRACE ICP **Date:** 10/3/05

Concentration Units: ug/L

Analyte	CRDL	IDL	M
ANTIMONY	8.0	4.11	P
ARSENIC	8.0	3.45	P
BARIUM	5.0	0.27	P
BERYLLIUM	5.0	0.35	P
CADMIUM	10	0.40	P
CHROMIUM	15	1.01	P
COBALT	30	1.12	P
COPPER	25	1.74	P
LEAD	5.0	1.65	P
MOLYBDENUM	100	2.00	P
NICKEL	40	1.53	P
SELENIUM	10	3.59	P
SILVER	15	1.04	P
THALLIUM	15	6.13	P
VANADIUM	25	1.36	P
ZINC	25	0.59	P

INSTRUMENT DETECTION LIMITS

Lab Name: Katahdin Analytical Services **Instrument Code:** H

Instrument Name: CETAC M6100 **Date:** 10/3/05

Concentration Units: ug/L

Analyte	CRDL	IDL	M
MERCURY	0.20	0.02	CV

ICP LINEAR RANGES

Lab Name: Katahdin Analytical Services **Instrument Code:** A

Instrument Name: TJA TRACE ICP **Date:** 11/2/04

Concentration Units: ug/L

Analyte	Integration Time (sec)	Linear Range	M
ALUMINUM	15.00	500000	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	500000	P
CHROMIUM	15.00	20000	P
COBALT	15.00	20000	P
COPPER	15.00	10000	P
IRON	15.00	200000	P
LEAD	15.00	20000	P
MAGNESIUM	15.00	500000	P
MOLYBDENUM	15.00	20000	P
NICKEL	15.00	20000	P
SELENIUM	15.00	20000	P
SILVER	15.00	2500	P
THALLIUM	15.00	20000	P
VANADIUM	15.00	20000	P
ZINC	15.00	10000	P

PREPARATION LOG

Lab Name: Katahdin Analytical Services **QC Batch ID:** VJ27ICS0

Matrix: SOIL **SDG Name:** MID-6

Method: P **Prep Date:** 10/27/2005

Client ID	Lab Sample ID	Initial (g)	Final (L)
LCSOVJ27ICS0	LCSOVJ27ICS0	1	0.1
PBSVJ27ICS0	PBSVJ27ICS0	1	0.1
SD-24-SS	WV5605-001	1.39	0.1
SD-25-SS	WV5605-002	1.37	0.1
SD-25-SSP	WV5605-002P	1.37	0.1
SD-25-SSS	WV5605-002S	1.37	0.1
SD-26-SS	WV5605-003	1.24	0.1
SD-27-SS	WV5605-004	1.26	0.1
SD-27-SSP	WV5605-004P	1.26	0.1
SD-27-SSS	WV5605-004S	1.26	0.1
SD-27-01	WV5605-005	1.16	0.1
SD-27-02	WV5605-006	1.49	0.1
SD-28-SS	WV5605-007	1.16	0.1
SD-28-01	WV5605-008	1.86	0.1
SD-28-02	WV5605-009	1.72	0.1
SD-29-SS	WV5605-010	1.12	0.1
SD-29-01	WV5605-011	1.29	0.1
SD-29-02	WV5605-012	1.5	0.1
SD-30-SS	WV5605-013	1.34	0.1
SD-31-SS	WV5605-014	1.46	0.1
SD-31-01	WV5605-015	1.12	0.1
SD-31-02	WV5605-016	1.45	0.1
SD-31-02P	WV5605-016P	1.45	0.1
SD-31-02S	WV5605-016S	1.46	0.1
SD-32-SS	WV5605-017	1.19	0.1
SD-33-SS	WV5605-018	1.21	0.1
SD-34-SS	WV5605-019	1.45	0.1
SD-35-SS	WV5605-020	1.32	0.1

PREPARATION LOG

Lab Name: Katahdin Analytical Services **QC Batch ID:** VJ26HGS0

Matrix: SOIL **SDG Name:** MID-6

Method: CV **Prep Date:** 10/26/2005

Client ID	Lab Sample ID	Initial (g)	Final (L)
LCSOVJ26HGS0	LCSOVJ26HGS0	0.6	0.1
PBSVJ26HGS0	PBSVJ26HGS0	0.6	0.1
SD-24-SS	WV5605-001	0.71	0.1
SD-25-SS	WV5605-002	0.67	0.1
SD-25-SSP	WV5605-002P	0.67	0.1
SD-25-SSS	WV5605-002S	0.76	0.1
SD-26-SS	WV5605-003	0.71	0.1
SD-27-SS	WV5605-004	0.7	0.1
SD-27-SSP	WV5605-004P	0.65	0.1
SD-27-SSS	WV5605-004S	0.7	0.1
SD-27-01	WV5605-005	0.72	0.1
SD-27-02	WV5605-006	0.67	0.1
SD-28-SS	WV5605-007	0.78	0.1
SD-28-01	WV5605-008	0.77	0.1
SD-28-02	WV5605-009	0.74	0.1
SD-29-SS	WV5605-010	0.73	0.1
SD-29-01	WV5605-011	0.75	0.1
SD-29-02	WV5605-012	0.67	0.1
SD-30-SS	WV5605-013	0.71	0.1
SD-31-SS	WV5605-014	0.74	0.1
SD-31-01	WV5605-015	0.67	0.1
SD-31-02	WV5605-016	0.73	0.1
SD-31-02P	WV5605-016P	0.75	0.1
SD-31-02S	WV5605-016S	0.69	0.1
SD-32-SS	WV5605-017	0.65	0.1
SD-33-SS	WV5605-018	0.68	0.1
SD-34-SS	WV5605-019	0.76	0.1
SD-35-SS	WV5605-020	0.75	0.1

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** MID-6

Instrument ID: TJA TRACE ICP **File Name:** AVK02A

Date: 11/2/05 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements						
S0		1	11:17	Al Sb As Ba Be	Cd Ca Cr Co Cu Fe Pb Mg	Mo Ni	Se	Ag	Tl	V Zn
S1		1	11:24	Al Sb As Ba Be	Cd Ca Cr Co Cu Fe Pb Mg	Mo Ni	Se	Ag	Tl	V Zn
AL IEC		1	11:34	Al Sb As Ba Be	Cd Ca Cr Co Cu Fe Pb Mg	Mo Ni	Se	Ag	Tl	V Zn
FE IEC		1	11:41	Al Sb As Ba Be	Cd Ca Cr Co Cu Fe Pb Mg	Mo Ni	Se	Ag	Tl	V Zn
MN IEC		1	11:48	Al Sb As Ba Be	Cd Ca Cr Co Cu Fe Pb Mg	Mo Ni	Se	Ag	Tl	V Zn
IEC		1	11:56	Al Sb As Ba Be	Cd Ca Cr Co Cu Fe Pb Mg	Mo Ni	Se	Ag	Tl	V Zn
ICV		1	12:03	Al Sb As Ba Be	Cd Ca Cr Co Cu Fe Pb Mg	Mo Ni	Se	Ag	Tl	V Zn
ICB		1	12:10	Al Sb As Ba Be	Cd Ca Cr Co Cu Fe Pb Mg	Mo Ni	Se	Ag	Tl	V Zn
PQL		1	12:17	Al Sb As Ba Be	Cd Ca Cr Co Cu Fe Pb Mg	Mo Ni	Se	Ag	Tl	V Zn
0.1PPM CA,MG		1	12:24	Al Sb As Ba Be	Cd Ca Cr Co Cu Fe Pb Mg	Mo Ni	Se	Ag	Tl	V Zn
CRI		1	12:32	Al Sb As Ba Be	Cd Ca Cr Co Cu Fe Pb Mg	Mo Ni	Se	Ag	Tl	V Zn
ICSA		1	12:39	Al Sb As Ba Be	Cd Ca Cr Co Cu Fe Pb Mg	Mo Ni	Se	Ag	Tl	V Zn
ICSAB		1	12:46	Al Sb As Ba Be	Cd Ca Cr Co Cu Fe Pb Mg	Mo Ni	Se	Ag	Tl	V Zn
CCV		1	12:53	Al Sb As Ba Be	Cd Ca Cr Co Cu Fe Pb Mg	Mo Ni	Se	Ag	Tl	V Zn
CCB		1	13:00	Al Sb As Ba Be	Cd Ca Cr Co Cu Fe Pb Mg	Mo Ni	Se	Ag	Tl	V Zn
ZZZZZZ		1	13:07							
ZZZZZZ		5	13:15							
ZZZZZZ		1	13:22							
ZZZZZZ		1	13:29							
ZZZZZZ		1	13:36							
ZZZZZZ		1	13:43							
ZZZZZZ		1	13:56							
ZZZZZZ		1	14:03							
ZZZZZZ		1	14:10							
ZZZZZZ		1	14:18							
CCV		1	14:25	Al Sb As Ba Be	Cd Ca Cr Co Cu Fe Pb Mg	Mo Ni	Se	Ag	Tl	V Zn
CCB		1	14:35	Al Sb As Ba Be	Cd Ca Cr Co Cu Fe Pb Mg	Mo Ni	Se	Ag	Tl	V Zn
ZZZZZZ		1	14:43							
ZZZZZZ		1	14:50							
ZZZZZZ		1	14:57							
ZZZZZZ		1	15:04							
ZZZZZZ		1	15:11							
ZZZZZZ		1	15:18							
ZZZZZZ		1	15:26							
ZZZZZZ		1	15:33							
ZZZZZZ		1	15:40							
ZZZZZZ		1	15:47							
CCV		1	15:54	Al Sb As Ba Be	Cd Ca Cr Co Cu Fe Pb Mg	Mo Ni	Se	Ag	Tl	V Zn
CCB		1	16:01	Al Sb As Ba Be	Cd Ca Cr Co Cu Fe Pb Mg	Mo Ni	Se	Ag	Tl	V Zn
ZZZZZZ		1	16:09							
ZZZZZZ		1	16:16							
ZZZZZZ		1	16:23							
ZZZZZZ		1	16:30							
ZZZZZZ		1	16:37							
ZZZZZZ		1	16:44							
LCSOVJ27ICS0		1	16:52	Sb As Ba Be	Cd Cr Co Cu Pb	Mo Ni	Se	Ag	Tl	V Zn
CRI		1	16:59	Al Sb As Ba Be	Cd Ca Cr Co Cu Fe Pb Mg	Mo Ni	Se	Ag	Tl	V Zn
ICSA		1	17:06	Al Sb As Ba Be	Cd Ca Cr Co Cu Fe Pb Mg	Mo Ni	Se	Ag	Tl	V Zn
ICSAB		1	17:13	Al Sb As Ba Be	Cd Ca Cr Co Cu Fe Pb Mg	Mo Ni	Se	Ag	Tl	V Zn
CCV		1	17:20	Al Sb As Ba Be	Cd Ca Cr Co Cu Fe Pb Mg	Mo Ni	Se	Ag	Tl	V Zn

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO: **M. MARTIN** **DATE:** **NOVEMBER 23, 2005**

FROM: **BERNARD F SPADA III** **COPIES:** **DV FILE**

SUBJECT: **ORGANIC DATA VALIDATION- VOC/SVOC/PCB**
LOCKHEED MIDDLE RIVER
SDG MID-6

SAMPLES: 20/Sediment

SD-24-SS	SD-25-SS	SD-26-SS
SD-27-01	SD-27-02	SD-27-SS
SD-28-01	SD-28-02	SD-28-SS
SD-29-01	SD-29-02	SD-29-SS
SD-30-SS	SD-31-01	SD-31-02
SD-31-SS	SD-32-SS	SD-33-SS
SD-34-SS	SD-35-SS	

Overview

The sample set for Lockheed Middle River, SDG MID-6 consists of twenty (20) environmental sediment samples. All samples were analyzed for volatile organic compounds (VOC), semivolatile organic compounds (SVOC) and polychlorinated biphenyls (PCB).

The samples were collected by Tetra Tech NUS on October 21, 2005 and analyzed by Katahdin Analytical Services. All analyses were conducted in accordance with Quality Assurance/Quality Control (QA/QC) criteria using SW-846 8260B, 8270C, and 8082 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/continuing calibrations, laboratory method blank results, surrogate spike recoveries, blank spike/blank spike duplicate results, matrix spike recoveries, internal standard recoveries, and detection limits. Areas of concern are listed below.

Major

- The VOC initial calibration performed on October 25, 2005 on the GCMS-Z instrument and all associated continuing calibrations were below the 0.05 RRF quality control criterion for tert-butyl alcohol, acetone, and 2-butanone. No action was taken for acetone on this basis because all results were qualified for method blank contamination. Positive and non-detected results for the remaining aforementioned compounds were qualified as estimated (J) and rejected (UR) respectively, in samples SD-24-SS, SD-25-SS, SD-26-SS, SD-27-01, SD-27-02, SD-27-SS, SD-28-01, SD-28-02, SD-28-SS, SD-29-SS, SD-33-SS, and SD-35-SS.

- The VOC continuing calibration performed on October 27 at 07:19 on the GCMS-M instrument was below the 0.05 RRF quality control criterion for tert-butyl alcohol and acetone. No action was taken for acetone on this basis because all results were qualified for method blank contamination. Non-detected results for tert-butyl alcohol were rejected (UR) in samples SD-29-01, SD-29-02, SD-30-SS, SD-31-01, SD-31-02, SD-31-SS, SD-32-SS, and SD-34-SS.

- The percent recovery of carbon disulfide and trichloroethene were <10% in the MS/MSD performed on the VOC fraction of sample SD-25-SS. Non-detected results for carbon disulfide and trichloroethene were rejected (UR) in sample SD-25-SS.

- The percent recovery of hexachloroethane and hexachlorocyclopentadiene were <10% in the MS/MSD performed on sample SD-31-02. Non-detected results for hexachloroethane and hexachlorocyclopentadiene were rejected (UR) in the un-spiked sample SD-31-02.

- The percent recovery of hexachlorocyclopentadiene was <10% in the MS/MSD performed on the SVOC fraction of sample SD-25-SS. Several other minor recovery non-compliances were noted in this MS/MSD. The non-detected result for hexachlorocyclopentadiene was rejected (UR) in sample SD-25-SS. No further qualifications were made on this basis.

- The percent recovery of hexachlorocyclopentadiene was <10% in the MS/MSD performed on the SVOC fraction of sample SD-27-SS. Several other minor recovery non-compliances were noted in this MS/MSD. The non-detected result for hexachlorocyclopentadiene was rejected (UR) in sample SD-27-SS. No further qualifications were made on this basis.

Minor

- The following compounds were detected in the method blanks:

Compound	Maximum Concentration	Blank Action Level
Acetone	6 µg/kg	60 µg/kg
Methylene chloride	5 µg/kg	50 µg/kg
Styrene	0.4 µg/kg	2.0 µg/kg
1,2-Dichlorobenzene	0.4 µg/kg	2.0 µg/kg
Naphthalene	4 µg/kg	20 µg/kg
1,3-Dichlorobenzene	0.4 µg/kg	2.0 µg/kg
1,2,4-Trichlorobenzene	3.0 µg/kg	15 µg/kg
1,4-Dichlorobenzene	32 µg/kg	160 µg/kg
Acenaphthene	68 µg/kg	340 µg/kg

Sample aliquot and dilution factors were taken into consideration when applying the blank action levels. Positive results for the aforementioned compounds below the action level were qualified as non-detected (B). The trip blanks were not qualified for method blank contamination.

- Samples SD-27-01, SD-28-SS, SD-29-01, SD-29-SS, SD-32-SS, SD-33-SS, and SD-34-SS had low surrogate recoveries in the VOC fraction. Samples SD-27-01, SD-28-SS, SD-29-01, SD-32-SS, and SD-34-SS were re-analyzed with similar results. The initial analyses of samples SD-27-01, SD-28-SS, SD-29-01, SD-32-SS, and SD-34-SS were used for validation. Positive and non-detected results not previously rejected or qualified for blank contamination were qualified as estimated (J) and (UJ) respectively, in samples SD-29-01, SD-32-SS, and SD-34-SS because one surrogate was non-compliant. Positive and non-detected results were qualified as biased low (L) and (UL) respectively, in samples SD-27-01 and SD-28-SS because two or more surrogates were non-compliant and below criteria. Samples SD-29-SS and SD-33-SS were re-analyzed with compliant surrogate recoveries. The re-analyses of samples SD-29-SS and SD-33-SS were used for validation. No qualifications were made to samples SD-29-SS and SD-33-SS on this basis.

- According to the laboratory narrative, volatile sample SD-35-SS was analyzed three times. The first analysis had all internal standards below the recovery criterion, the second analysis had one surrogate below recovery criterion, and the third analysis had one surrogate below criterion. The validator could only verify the third analysis because the first two analyses were not reported. Positive and non-detected results not previously rejected or qualified for blank contamination were qualified as estimated (J) and (UJ) respectively, in sample SD-35-SS.

- The percent recovery and/or RPD of the majority of spiked compounds were outside the quality control criteria in the MS/MSD performed on the VOC fraction of samples SD-25-SS and SD-27-SS. Positive and non-detected results for all compounds not previously rejected or qualified for blank contamination were qualified as estimated (J) and (UJ) respectively, in samples SD-25-SS and SD-27-SS.

- All internal standards were below the percent recovery quality control criterion in sample SD-31-01. The sample was re-analyzed with all internal standards recovered <25%. The initial analysis was used for validation. Positive and non-detected results not previously rejected or qualified for blank contamination were qualified as estimated low (J) and (UJ) respectively, in sample SD-31-01.

- The VOC internal standard 1,4-dichlorobenzene-d4 was below the percent recovery quality control criterion in the re-analysis of sample SD-29-SS. Because the re-analysis was used for validation, positive and non-detected results for isopropylbenzene, bromobenzene, n-propylbenzene, 1,1,2,2-tetrachloroethane, 2-chlorotoluene, 1,2,3-trichloropropane, 4-chlorotoluene, 1,2,4-trimethylbenzene, 4-isopropyltoluene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, n-butylbenzene, sec-butylbenzene, 1,2-dichlorobenzene, 1,2-dibromo-3-chloropropane, hexachlorobutadiene, 1,2,4-trichlorobeznene, 1,2,3-trimethylbenzene, naphthalene, and 1,2,3-trichlorobenzene were qualified as biased low (L) and (UL) respectively, in sample SD-29-SS. No action was taken for tert-butylbenzene on this basis because the result was rejected for RRF non-compliance.

- The SVOC continuing calibration performed on October 29 at 11:35 on the GCMS-K instrument exceeded the 25% (and was >50%) difference quality control criterion for benzyl alcohol. Non-detected results for benzyl alcohol were qualified as estimated (UJ) in samples SD-30-SS, SD-31-01, SD-31-02, SD-31-SS, SD-32-SS, SD-33-SS, SD-34-SS, and SD-35-SS.

- The SVOC continuing calibration performed on October 30 at 20:24 on the GCMS-K instrument exceeded the 25% (and was >50%) difference quality control criterion for benzyl alcohol. Non-detected results for benzyl alcohol were qualified as estimated (UJ) in samples SD-25-SS and SD-27-SS.

- The SVOC surrogates 2-fluorophenol, nitrobenzene-d5, and terphenyl-d4 were below the percent recovery quality control criterion in sample SD-33-SS. Positive and non-detected results were qualified as estimated (J) and (UJ) in the base/neutral fraction of sample SD-33-SS. No action was taken for the acid fraction because only one acid fraction surrogate was non-compliant.

- The percent recovery and/or RPD of the majority of spiked compounds were outside the quality control criteria in the MS/MSD performed on the SVOC fraction of sample SD-31-02. Positive and non-detected results for all compounds except hexachloroethane and hexachlorocyclopentadiene were qualified as estimated (J) and (UJ) respectively, in sample SD-31-02. Hexachloroethane and hexachlorocyclopentadiene were previously rejected because the recoveries were <10%.

- The SVOC internal standard perylene-d12 was below the percent recovery quality control criterion in samples SD-25-SS, SD-27-SS, SD-29-01, SD-30-SS, and SD-34-SS. Positive and non-detected results for di-n-octylphthalate, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, indeno(1,2,3-cd)pyrene, dibenzo(a,h)anthracene, and benzo(g,h,i)perylene were qualified as estimated (J) and (UJ) respectively, in the aforementioned samples.

- The SVOC internal standards chrysene-d12 and perylene-d12 were below the percent recovery quality control criterion in samples SD-28-SS, SD-29-SS, and SD-24-SS. Positive and non-detected results for benzidine, pyrene, butylbenzylphthalate, benzo(a)anthracene, chrysene, 3,3'-dichlorobenzidine, bis(2-ethylhexyl)phthalate, di-n-octylphthalate, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, indeno(1,2,3-cd)pyrene, dibenzo(a,h)anthracene, and benzo(g,h,i)perylene were qualified as estimated (J) and (UJ) respectively, in the aforementioned samples.

- The PCB continuing calibration performed on October 28 at 03:59 exceeded the 15% (but was <30%) difference quality control criterion for Aroclor 1260 on the RTX-35 column. The result for Aroclor 1260 was qualified as estimated (UJ) in sample SD-24-SS because the result was reported from the RTX-35 column.

- The PCB continuing calibration performed on October 31 at 02:29 exceeded the 15% (but was <30%) difference quality control criterion for Aroclor 1016 and Aroclor 1260 on both columns. No action was taken for Aroclor 1016 on this basis because all results were non-detected. Positive results for Aroclor 1260 were qualified as estimated (J) in samples SD-25-SS, SD-26-SS, SD-27-01, and SD-27-02.

- The percent recovery of Aroclor 1016 and Aroclor 1260 grossly exceeded the quality control criterion in the MS/MSD performed on sample SD-27-SS. In addition, the recoveries of Aroclor 1260 exceeded the relative percent difference quality control criterion. Positive and non-detected results were qualified as estimated (J) and (UJ) in sample SD-27-SS because there was a high concentration of un-identified contamination in addition to the high concentration of Aroclor 1260.

- The results for Aroclor 1260 exceeded the 25% difference between analytical columns quality control criterion in sample SD-28-01. The result for Aroclor 1260 was qualified as estimated (UJ) in sample SD-28-01.

- Positive and non-detected results were qualified as estimated (J) and (UJ) in samples with percent solids <30%.

- Positive results below the reporting limit were qualified as estimated (J) due to uncertainty near the detection limit.

Notes

The VOC continuing calibrations performed on October 27 at 06:26 and 16:51 and October 28 at 07:27 on the GCMS-Z instrument exceeded the 25% (but was <50%) difference quality control criterion for 1,2,3-trichloropropane. No action was taken on this basis because all associated results for 1,2,3-trichloropropane were non-detected.

The VOC continuing calibration performed on October 27 at 16:51 on the GCMS-Z instrument exceeded the 25% (but was <50%) difference quality control criterion for naphthalene. No action was taken on this basis because all associated results for the aforementioned compounds were non-detected.

The VOC continuing calibration performed on October 27 at 07:19 on the GCMS-M instrument exceeded the 25% (but was <50%) difference quality control criterion for 2-butanone and tert-butyl alcohol. No action was taken on this basis because the associated results for the aforementioned compounds were non-detected or rejected for RRF non-compliance.

The VOC continuing calibrations performed on October 27 at 18:24 on the GCMS-M instrument and on October 29 at 10:15 on the GCMS-Z instrument were not evaluated because only QC samples were associated with these calibrations.

Minor blank spike recovery non-compliances were noted in the VOC fraction. No action was taken on this basis because the non-compliances varied in the different LCS samples.

All internal standards were below the percent recovery quality control criterion in the re-analysis of sample SD-28-SS. No action was taken on this basis because the initial analysis was used for validation.

The internal standard 1,4-dichlorobenzene-d4 was also below the percent recovery quality control criterion in the re-analyses of samples SD-27-01 and SD-34-01. No action was taken on this basis because the initial analyses of the aforementioned samples were used for validation.

The SVOC continuing calibration performed on October 29 at 11:35 on the GCMS-K instrument exceeded the 25% (but was <50%) difference quality control criterion for benzoic acid, 2-methylnaphthalene, benzidine, and 4-nitrophenol. No action was taken on this basis because all associated results for the aforementioned compounds were non-detected.

The SVOC continuing calibration performed on October 30 at 20:24 on the GCMS-K instrument exceeded the 25% (but was <50%) difference quality control criterion for benzoic acid. No action was taken on this basis because all associated results for benzoic acid were non-detected.

The SVOC continuing calibration performed on October 30 at 18:27 on the GCMS-X instrument exceeded the 25% (but was <50%) difference quality control criterion for benzoic acid. No action was taken on this basis because all associated results for benzoic acid were non-detected.

The SVOC surrogate terphenyl-d14 was outside the percent recovery quality control criterion in samples SD-24-SS, SD-26-SS, SD-27-01, SD-27-02, SD-28-01, SD-28-02, SD-29-02, SD-29-SS, SD-31-01, SD-31-SS, and SD-32-SS. No action was taken on this basis because only one surrogate was non-compliant.

Minor LCS percent recovery non-compliances were noted in the SVOC fraction. No action was taken on this basis because the non-compliances varied in the different LCS samples.

The PCB continuing calibration performed on October 28 at 03:59 exceeded the 15% (but was <30%) difference quality control criterion for Aroclor 1016 on both columns and for Aroclor 1260 on the RTX-35 column. No action was taken on this basis because all results for Aroclor 1016 were non-detected and the RTX-5 column was compliant for Aroclor 1260.

The PCB surrogate tetrachloro-m-xylene exceeded the percent recovery quality control criterion on the RTX-5 column in sample SD-24-SS. No action was taken on this basis because the three remaining surrogate recoveries were compliant.

All surrogates were not recovered in the PCB fraction sample SD-27-SS. No action was taken on this basis because the sample was analyzed at a 50X dilution.

The PCB surrogate decachlorobiphenyl exceeded the percent recovery quality control criterion on the RTX-35 column in samples SD-28-SS, SD-28-01, and SD-29-01. No action was taken on this basis because the three remaining surrogate recoveries were compliant.

The percent recovery of Aroclor 1016 exceeded the quality control criterion and Aroclor 1260 was below the recovery criterion in the MS/MSD performed on sample SD-25-SS. No action was taken on this basis because Aroclor 1016 was not detected in the un-spiked sample and the concentration of Aroclor 1260 in the un-spiked sample was >3X the spiked concentration.

The percent recovery of Aroclor 1016 exceeded the quality control criterion in the MS/MSD performed on sample SD-31-02. No action was taken on this basis because Aroclor 1016 was non-detected in the un-spiked sample.

Executive Summary

Laboratory Performance: Qualifications were made based on calibration non-compliances, method blank contamination, surrogate recovery non-compliances, and internal standard non-compliances.

Other Factors Affecting Data Quality: Qualifications were made based on MS/MSD non-compliances.

The data for these analyses were reviewed with reference to Region III modifications to U.S. EPA National Functional Guidelines for Data Validation (9/94). The text of this report has been formulated to address only those problem areas affecting data quality.

Tetra Tech NUS
Bernard F Spada III
Chemist/Data Validator

Tetra Tech NUS
Joseph A. Samchuck
Quality Assurance Officer

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

Appendix A

Qualified Analytical Results

Data Validation Qualifier Codes:

A = Lab Blank Contamination
B = Field Blank Contamination
C = Calibration Noncompliance (e.g. % RSDs, %Ds, ICVs, CCVs, RRFs, etc.)
C01 = GC/MS Tuning Noncompliance
D = MS/MSD Recovery Noncompliance
E = LCS/LCSD Recovery Noncompliance
F = Lab Duplicate Imprecision
G = Field Duplicate Imprecision
H = Holding Time Exceedance
I = ICP Serial Dilution Noncompliance
J = GFAA PDS - GFAA MSA's $r < 0.995$
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: 00275

SDG: MID-6 MEDIA: SOIL DATA FRACTION: OV

nsample	SD-24-SS	nsample	SD-24-SS	nsample	SD-24-SS
samp_date	10/21/2005	samp_date	10/21/2005	samp_date	10/21/2005
lab_id	WV5605-1	lab_id	WV5605-1	lab_id	WV5605-1
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	68.5	Pct_Solids	68.5	Pct_Solids	68.5
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	7	U	
1,1,1-TRICHLOROETHANE	7	U	
1,1,2,2-TETRACHLOROETHANE	7	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	7	U	
1,1-DICHLOROETHANE	7	U	
1,1-DICHLOROETHENE	7	U	
1,1-DICHLOROPROPENE	7	U	
1,2,3-TRICHLOROBENZENE	7	U	
1,2,3-TRICHLOROPROPANE	7	U	
1,2,3-TRIMETHYLBENZENE	7	U	
1,2,4-TRICHLOROBENZENE	7	U	
1,2,4-TRIMETHYLBENZENE	7	U	
1,2-DIBROMO-3-CHLOROPROPANE	7	U	
1,2-DIBROMOETHANE	7	U	
1,2-DICHLOROBENZENE	7	U	
1,2-DICHLOROETHANE	7	U	
1,2-DICHLOROPROPANE	7	U	
1,3-DICHLOROBENZENE	7	U	
1,3-DICHLOROPROPANE	7	U	
1,4-DICHLOROBENZENE	7	U	
2,2-DICHLOROPROPANE	7	U	
2-BUTANONE	36	UR	C
2-CHLOROETHYL VINYL ETHER	7	U	
2-CHLOROTOLUENE	7	U	
2-HEXANONE	36	U	
4-CHLOROTOLUENE	7	U	
4-ISOPROPYLTOLUENE	7	U	
4-METHYL-2-PENTANONE	36	U	
ACETONE	13	B	A
BENZENE	7	U	
BROMOBENZENE	7	U	
BROMOCHLOROMETHANE	7	U	

Parameter	Result	Val Qual	Qual Code
BROMODICHLOROMETHANE	7	U	
BROMOFORM	7	U	
BROMOMETHANE	15	U	
CARBON DISULFIDE	7	U	
CARBON TETRACHLORIDE	7	U	
CHLOROBENZENE	7	U	
CHLORODIBROMOMETHANE	7	U	
CHLOROETHANE	15	U	
CHLOROFORM	7	U	
CHLOROMETHANE	15	U	
CIS-1,2-DICHLOROETHENE	7	U	
CIS-1,3-DICHLOROPROPENE	7	U	
DIBROMOMETHANE	7	U	
DICHLORODIFLUOROMETHANE	15	U	
DIISOPROPYL ETHER	7	U	
ETHYL TERT-BUTYL ETHER	7	U	
ETHYLBENZENE	7	U	
HEXACHLOROBUTADIENE	7	U	
ISOPROPYLBENZENE	7	U	
M+P-XYLENES	15	U	
METHYL TERT-BUTYL ETHER	15	U	
METHYLENE CHLORIDE	6	B	A
NAPHTHALENE	7	U	
N-BUTYLBENZENE	7	U	
N-PROPYLBENZENE	7	U	
O-XYLENE	7	U	
SEC-BUTYLBENZENE	7	U	
STYRENE	7	U	
TERT-AMYL METHYL ETHER	7	U	
TERT-BUTYLBENZENE	7	U	
TERTIARY-BUTYL ALCOHOL	15	UR	C
TETRACHLOROETHENE	7	U	

Parameter	Result	Val Qual	Qual Code
TOLUENE	7	U	
TOTAL 1,2-DICHLOROETHENE	15	U	
TOTAL XYLENES	22	U	
TRANS-1,2-DICHLOROETHENE	7	U	
TRANS-1,3-DICHLOROPROPENE	7	U	
TRICHLOROETHENE	7	U	
TRICHLOROFLUOROMETHANE	15	U	
VINYL ACETATE	7	U	
VINYL CHLORIDE	15	U	

PROJ_NO: 00275

SDG: MID-6 MEDIA: SOIL DATA FRACTION: OV

nsample	SD-25-SS
samp_date	10/21/2005
lab_id	WV5605-2
qc_type	NM
units	UG/KG
Pct_Solids	42.5
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	12	UJ	D
1,1,1-TRICHLOROETHANE	12	UJ	D
1,1,2,2-TETRACHLOROETHANE	12	UJ	D
1,1,2-TRICHLOROTRIFLUOROETHANE	12	UJ	D
1,1-DICHLOROETHANE	12	UJ	D
1,1-DICHLOROETHENE	12	UJ	D
1,1-DICHLOROPROPENE	12	UJ	D
1,2,3-TRICHLOROBENZENE	12	UJ	D
1,2,3-TRICHLOROPROPANE	12	UJ	D
1,2,3-TRIMETHYLBENZENE	12	UJ	D
1,2,4-TRICHLOROBENZENE	12	UJ	D
1,2,4-TRIMETHYLBENZENE	12	UJ	D
1,2-DIBROMO-3-CHLOROPROPANE	12	UJ	D
1,2-DIBROMOETHANE	12	UJ	D
1,2-DICHLOROBENZENE	12	UJ	D
1,2-DICHLOROETHANE	12	UJ	D
1,2-DICHLOROPROPANE	12	UJ	D
1,3-DICHLOROBENZENE	12	UJ	D
1,3-DICHLOROPROPANE	12	UJ	D
1,4-DICHLOROBENZENE	12	UJ	D
2,2-DICHLOROPROPANE	12	UJ	D
2-BUTANONE	58	UR	C
2-CHLOROETHYL VINYL ETHER	12	UJ	D
2-CHLOROTOLUENE	12	UJ	D
2-HEXANONE	58	UJ	D
4-CHLOROTOLUENE	12	UJ	D
4-ISOPROPYLTOLUENE	12	UJ	D
4-METHYL-2-PENTANONE	58	UJ	D
ACETONE	47	B	A
BENZENE	12	UJ	D
BROMOBENZENE	12	UJ	D
BROMOCHLOROMETHANE	12	UJ	D

nsample	SD-25-SS
samp_date	10/21/2005
lab_id	WV5605-2
qc_type	NM
units	UG/KG
Pct_Solids	42.5
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BROMODICHLOROMETHANE	12	UJ	D
BROMOFORM	12	UJ	D
BROMOMETHANE	23	UJ	D
CARBON DISULFIDE	12	UR	D
CARBON TETRACHLORIDE	12	UJ	D
CHLOROBENZENE	12	UJ	D
CHLORODIBROMOMETHANE	12	UJ	D
CHLOROETHANE	23	UJ	D
CHLOROFORM	12	UJ	D
CHLOROMETHANE	23	UJ	D
CIS-1,2-DICHLOROETHENE	12	UJ	D
CIS-1,3-DICHLOROPROPENE	12	UJ	D
DIBROMOMETHANE	12	UJ	D
DICHLORODIFLUOROMETHANE	23	UJ	D
DIISOPROPYL ETHER	12	UJ	D
ETHYL TERT-BUTYL ETHER	12	UJ	D
ETHYLBENZENE	12	UJ	D
HEXACHLOROBUTADIENE	12	UJ	D
ISOPROPYLBENZENE	12	UJ	D
M+P-XYLENES	23	UJ	D
METHYL TERT-BUTYL ETHER	3	J	DP
METHYLENE CHLORIDE	9	B	A
NAPHTHALENE	12	UJ	D
N-BUTYLBENZENE	12	UJ	D
N-PROPYLBENZENE	12	UJ	D
O-XYLENE	12	UJ	D
SEC-BUTYLBENZENE	12	UJ	D
STYRENE	12	UJ	D
TERT-AMYL METHYL ETHER	12	UJ	D
TERT-BUTYLBENZENE	12	UJ	D
TERTIARY-BUTYL ALCOHOL	23	UR	C
TETRACHLOROETHENE	12	UJ	D

nsample	SD-25-SS
samp_date	10/21/2005
lab_id	WV5605-2
qc_type	NM
units	UG/KG
Pct_Solids	42.5
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOLUENE	12	UJ	D
TOTAL 1,2-DICHLOROETHENE	23	UJ	D
TOTAL XYLENES	35	UJ	D
TRANS-1,2-DICHLOROETHENE	12	UJ	D
TRANS-1,3-DICHLOROPROPENE	12	UJ	D
TRICHLOROETHENE	12	UR	D
TRICHLOROFLUOROMETHANE	23	UJ	D
VINYL ACETATE	12	UJ	D
VINYL CHLORIDE	23	UJ	D

PROJ_NO: 00275

SDG: MID-6 MEDIA: SOIL DATA FRACTION: OV

nsample	SD-26-SS
samp_date	10/21/2005
lab_id	WV5605-3
qc_type	NM
units	UG/KG
Pct_Solids	22.3
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	23	UJ	Y
1,1,1-TRICHLOROETHANE	23	UJ	Y
1,1,2,2-TETRACHLOROETHANE	23	UJ	Y
1,1,2-TRICHLOROTRIFLUOROETHANE	23	UJ	Y
1,1-DICHLOROETHANE	23	UJ	Y
1,1-DICHLOROETHENE	23	UJ	Y
1,1-DICHLOROPROPENE	23	UJ	Y
1,2,3-TRICHLOROBENZENE	23	UJ	Y
1,2,3-TRICHLOROPROPANE	23	UJ	Y
1,2,3-TRIMETHYLBENZENE	23	UJ	Y
1,2,4-TRICHLOROBENZENE	23	UJ	Y
1,2,4-TRIMETHYLBENZENE	23	UJ	Y
1,2-DIBROMO-3-CHLOROPROPANE	23	UJ	Y
1,2-DIBROMOETHANE	23	UJ	Y
1,2-DICHLOROBENZENE	23	UJ	Y
1,2-DICHLOROETHANE	23	UJ	Y
1,2-DICHLOROPROPANE	23	UJ	Y
1,3-DICHLOROBENZENE	23	UJ	Y
1,3-DICHLOROPROPANE	23	UJ	Y
1,4-DICHLOROBENZENE	23	UJ	Y
2,2-DICHLOROPROPANE	23	UJ	Y
2-BUTANONE	110	UR	C
2-CHLOROETHYL VINYL ETHER	23	UJ	Y
2-CHLOROTOLUENE	23	UJ	Y
2-HEXANONE	110	UJ	Y
4-CHLOROTOLUENE	23	UJ	Y
4-ISOPROPYLTOLUENE	23	UJ	Y
4-METHYL-2-PENTANONE	110	UJ	Y
ACETONE	65	B	A
BENZENE	23	UJ	Y
BROMOBENZENE	23	UJ	Y
BROMOCHLOROMETHANE	23	UJ	Y

nsample	SD-26-SS
samp_date	10/21/2005
lab_id	WV5605-3
qc_type	NM
units	UG/KG
Pct_Solids	22.3
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BROMODICHLOROMETHANE	23	UJ	Y
BROMOFORM	23	UJ	Y
BROMOMETHANE	46	UJ	Y
CARBON DISULFIDE	23	UJ	Y
CARBON TETRACHLORIDE	23	UJ	Y
CHLOROBENZENE	23	UJ	Y
CHLORODIBROMOMETHANE	23	UJ	Y
CHLOROETHANE	46	UJ	Y
CHLOROFORM	23	UJ	Y
CHLOROMETHANE	46	UJ	Y
CIS-1,2-DICHLOROETHENE	23	UJ	Y
CIS-1,3-DICHLOROPROPENE	23	UJ	Y
DIBROMOMETHANE	23	UJ	Y
DICHLORODIFLUOROMETHANE	46	UJ	Y
DIISOPROPYL ETHER	23	UJ	Y
ETHYL TERT-BUTYL ETHER	23	UJ	Y
ETHYLBENZENE	23	UJ	Y
HEXACHLOROBUTADIENE	23	UJ	Y
ISOPROPYLBENZENE	23	UJ	Y
M+P-XYLENES	46	UJ	Y
METHYL TERT-BUTYL ETHER	8	J	PY
METHYLENE CHLORIDE	23	B	A
NAPHTHALENE	23	UJ	Y
N-BUTYLBENZENE	23	UJ	Y
N-PROPYLBENZENE	23	UJ	Y
O-XYLENE	23	UJ	Y
SEC-BUTYLBENZENE	23	UJ	Y
STYRENE	23	UJ	Y
TERT-AMYL METHYL ETHER	23	UJ	Y
TERT-BUTYLBENZENE	23	UJ	Y
TERTIARY-BUTYL ALCOHOL	46	UR	C
TETRACHLOROETHENE	23	UJ	Y

nsample	SD-26-SS
samp_date	10/21/2005
lab_id	WV5605-3
qc_type	NM
units	UG/KG
Pct_Solids	22.3
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOLUENE	23	UJ	Y
TOTAL 1,2-DICHLOROETHENE	46	UJ	Y
TOTAL XYLENES	68	UJ	Y
TRANS-1,2-DICHLOROETHENE	23	UJ	Y
TRANS-1,3-DICHLOROPROPENE	23	UJ	Y
TRICHLOROETHENE	23	UJ	Y
TRICHLOROFLUOROMETHANE	46	UJ	Y
VINYL ACETATE	23	UJ	Y
VINYL CHLORIDE	46	UJ	Y

PROJ_NO: 00275

SDG: MID-6 MEDIA: SOIL DATA FRACTION: OV

nsample	SD-27-01	nsample	SD-27-01	nsample	SD-27-01
samp_date	10/21/2005	samp_date	10/21/2005	samp_date	10/21/2005
lab_id	WV5605-5	lab_id	WV5605-5	lab_id	WV5605-5
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	35.2	Pct_Solids	35.2	Pct_Solids	35.2
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	14	UL	R
1,1,1-TRICHLOROETHANE	14	UL	R
1,1,2,2-TETRACHLOROETHANE	14	UL	R
1,1,2-TRICHLOROTRIFLUOROETHANE	14	UL	R
1,1-DICHLOROETHANE	14	UL	R
1,1-DICHLOROETHENE	14	UL	R
1,1-DICHLOROPROPENE	14	UL	R
1,2,3-TRICHLOROBENZENE	14	UL	R
1,2,3-TRICHLOROPROPANE	14	UL	R
1,2,3-TRIMETHYLBENZENE	14	UL	R
1,2,4-TRICHLOROBENZENE	14	UL	R
1,2,4-TRIMETHYLBENZENE	14	UL	R
1,2-DIBROMO-3-CHLOROPROPANE	14	UL	R
1,2-DIBROMOETHANE	14	UL	R
1,2-DICHLOROBENZENE	14	UL	R
1,2-DICHLOROETHANE	14	UL	R
1,2-DICHLOROPROPANE	14	UL	R
1,3-DICHLOROBENZENE	14	UL	R
1,3-DICHLOROPROPANE	14	UL	R
1,4-DICHLOROBENZENE	14	UL	R
2,2-DICHLOROPROPANE	14	UL	R
2-BUTANONE	70	UR	C
2-CHLOROETHYL VINYL ETHER	14	UL	R
2-CHLOROTOLUENE	14	UL	R
2-HEXANONE	70	UL	R
4-CHLOROTOLUENE	14	UL	R
4-ISOPROPYLTOLUENE	14	UL	R
4-METHYL-2-PENTANONE	70	UL	R
ACETONE	50	B	A
BENZENE	14	UL	R
BROMOBENZENE	14	UL	R
BROMOCHLOROMETHANE	14	UL	R

Parameter	Result	Val Qual	Qual Code
BROMODICHLOROMETHANE	14	UL	R
BROMOFORM	14	UL	R
BROMOMETHANE	28	UL	R
CARBON DISULFIDE	14	UL	R
CARBON TETRACHLORIDE	14	UL	R
CHLOROBENZENE	14	UL	R
CHLORODIBROMOMETHANE	14	UL	R
CHLOROETHANE	28	UL	R
CHLOROFORM	14	UL	R
CHLOROMETHANE	28	UL	R
CIS-1,2-DICHLOROETHENE	14	UL	R
CIS-1,3-DICHLOROPROPENE	14	UL	R
DIBROMOMETHANE	14	UL	R
DICHLORODIFLUOROMETHANE	28	UL	R
DIISOPROPYL ETHER	14	UL	R
ETHYL TERT-BUTYL ETHER	14	UL	R
ETHYLBENZENE	14	UL	R
HEXACHLOROBUTADIENE	14	UL	R
ISOPROPYLBENZENE	14	UL	R
M+P-XYLENES	28	UL	R
METHYL TERT-BUTYL ETHER	28	UL	R
METHYLENE CHLORIDE	14	UL	R
NAPHTHALENE	14	UL	R
N-BUTYLBENZENE	14	UL	R
N-PROPYLBENZENE	14	UL	R
O-XYLENE	14	UL	R
SEC-BUTYLBENZENE	14	UL	R
STYRENE	14	UL	R
TERT-AMYL METHYL ETHER	14	UL	R
TERT-BUTYLBENZENE	14	UL	R
TERTIARY-BUTYL ALCOHOL	28	UR	C
TETRACHLOROETHENE	14	UL	R

Parameter	Result	Val Qual	Qual Code
TOLUENE	14	UL	R
TOTAL 1,2-DICHLOROETHENE	28	UL	R
TOTAL XYLENES	42	UL	R
TRANS-1,2-DICHLOROETHENE	14	UL	R
TRANS-1,3-DICHLOROPROPENE	14	UL	R
TRICHLOROETHENE	14	UL	R
TRICHLOROFLUOROMETHANE	28	UL	R
VINYL ACETATE	14	UL	R
VINYL CHLORIDE	28	UL	R

PROJ_NO: 00275

SDG: MID-6 MEDIA: SOIL DATA FRACTION: OV

nsample	SD-27-02
samp_date	10/21/2005
lab_id	WV5605-6
qc_type	NM
units	UG/KG
Pct_Solids	72.3
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	7	U	
1,1,1-TRICHLOROETHANE	7	U	
1,1,2,2-TETRACHLOROETHANE	7	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	7	U	
1,1-DICHLOROETHANE	7	U	
1,1-DICHLOROETHENE	7	U	
1,1-DICHLOROPROPENE	7	U	
1,2,3-TRICHLOROBENZENE	7	U	
1,2,3-TRICHLOROPROPANE	7	U	
1,2,3-TRIMETHYLBENZENE	7	U	
1,2,4-TRICHLOROBENZENE	7	U	
1,2,4-TRIMETHYLBENZENE	7	U	
1,2-DIBROMO-3-CHLOROPROPANE	7	U	
1,2-DIBROMOETHANE	7	U	
1,2-DICHLOROBENZENE	7	U	
1,2-DICHLOROETHANE	7	U	
1,2-DICHLOROPROPANE	7	U	
1,3-DICHLOROBENZENE	7	U	
1,3-DICHLOROPROPANE	7	U	
1,4-DICHLOROBENZENE	7	U	
2,2-DICHLOROPROPANE	7	U	
2-BUTANONE	34	UR	C
2-CHLOROETHYL VINYL ETHER	7	U	
2-CHLOROTOLUENE	7	U	
2-HEXANONE	34	U	
4-CHLOROTOLUENE	7	U	
4-ISOPROPYLTOLUENE	7	U	
4-METHYL-2-PENTANONE	34	U	
ACETONE	21	B	A
BENZENE	7	U	
BROMOBENZENE	7	U	
BROMOCHLOROMETHANE	7	U	

nsample	SD-27-02
samp_date	10/21/2005
lab_id	WV5605-6
qc_type	NM
units	UG/KG
Pct_Solids	72.3
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BROMODICHLOROMETHANE	7	U	
BROMOFORM	7	U	
BROMOMETHANE	14	U	
CARBON DISULFIDE	7	U	
CARBON TETRACHLORIDE	7	U	
CHLOROBENZENE	7	J	P
CHLORODIBROMOMETHANE	7	U	
CHLOROETHANE	14	U	
CHLOROFORM	7	U	
CHLOROMETHANE	14	U	
CIS-1,2-DICHLOROETHENE	7	U	
CIS-1,3-DICHLOROPROPENE	7	U	
DIBROMOMETHANE	7	U	
DICHLORODIFLUOROMETHANE	14	U	
DIISOPROPYL ETHER	7	U	
ETHYL TERT-BUTYL ETHER	7	U	
ETHYLBENZENE	7	U	
HEXACHLOROBUTADIENE	7	U	
ISOPROPYLBENZENE	7	U	
M+P-XYLENES	14	U	
METHYL TERT-BUTYL ETHER	14	U	
METHYLENE CHLORIDE	6	B	A
NAPHTHALENE	7	U	
N-BUTYLBENZENE	7	U	
N-PROPYLBENZENE	7	U	
O-XYLENE	7	U	
SEC-BUTYLBENZENE	7	U	
STYRENE	7	U	
TERT-AMYL METHYL ETHER	7	U	
TERT-BUTYLBENZENE	7	U	
TERTIARY-BUTYL ALCOHOL	14	UR	C
TETRACHLOROETHENE	7	U	

nsample	SD-27-02
samp_date	10/21/2005
lab_id	WV5605-6
qc_type	NM
units	UG/KG
Pct_Solids	72.3
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOLUENE	1	J	P
TOTAL 1,2-DICHLOROETHENE	14	U	
TOTAL XYLENES	21	U	
TRANS-1,2-DICHLOROETHENE	7	U	
TRANS-1,3-DICHLOROPROPENE	7	U	
TRICHLOROETHENE	7	U	
TRICHLOROFLUOROMETHANE	14	U	
VINYL ACETATE	7	U	
VINYL CHLORIDE	14	U	

PROJ_NO: 00275

SDG: MID-6 MEDIA: SOIL DATA FRACTION: OV

nsample	SD-27-SS	nsample	SD-27-SS	nsample	SD-27-SS
samp_date	10/21/2005	samp_date	10/21/2005	samp_date	10/21/2005
lab_id	WV5605-4	lab_id	WV5605-4	lab_id	WV5605-4
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	35.3	Pct_Solids	35.3	Pct_Solids	35.3
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	14	U	
1,1,1-TRICHLOROETHANE	14	U	
1,1,2,2-TETRACHLOROETHANE	14	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	14	U	
1,1-DICHLOROETHANE	14	U	
1,1-DICHLOROETHENE	14	U	
1,1-DICHLOROPROPENE	14	U	
1,2,3-TRICHLOROBENZENE	14	U	
1,2,3-TRICHLOROPROPANE	14	U	
1,2,3-TRIMETHYLBENZENE	14	U	
1,2,4-TRICHLOROBENZENE	14	U	
1,2,4-TRIMETHYLBENZENE	14	U	
1,2-DIBROMO-3-CHLOROPROPANE	14	U	
1,2-DIBROMOETHANE	14	U	
1,2-DICHLOROBENZENE	14	U	
1,2-DICHLOROETHANE	14	U	
1,2-DICHLOROPROPANE	14	U	
1,3-DICHLOROBENZENE	14	U	
1,3-DICHLOROPROPANE	14	U	
1,4-DICHLOROBENZENE	14	U	
2,2-DICHLOROPROPANE	14	U	
2-BUTANONE	71	UR	C
2-CHLOROETHYL VINYL ETHER	14	U	
2-CHLOROTOLUENE	14	U	
2-HEXANONE	71	U	
4-CHLOROTOLUENE	14	U	
4-ISOPROPYLTOLUENE	14	U	
4-METHYL-2-PENTANONE	71	U	
ACETONE	80	B	A
BENZENE	14	U	
BROMOBENZENE	14	U	
BROMOCHLOROMETHANE	14	U	

Parameter	Result	Val Qual	Qual Code
BROMODICHLOROMETHANE	14	U	
BROMOFORM	14	U	
BROMOMETHANE	28	U	
CARBON DISULFIDE	14	U	
CARBON TETRACHLORIDE	14	U	
CHLOROBENZENE	14	U	
CHLORODIBROMOMETHANE	14	U	
CHLOROETHANE	28	U	
CHLOROFORM	14	U	
CHLOROMETHANE	28	U	
CIS-1,2-DICHLOROETHENE	14	U	
CIS-1,3-DICHLOROPROPENE	14	U	
DIBROMOMETHANE	14	U	
DICHLORODIFLUOROMETHANE	28	U	
DIISOPROPYL ETHER	14	U	
ETHYL TERT-BUTYL ETHER	14	U	
ETHYLBENZENE	14	U	
HEXACHLOROBUTADIENE	14	U	
ISOPROPYLBENZENE	14	U	
M+P-XYLENES	28	U	
METHYL TERT-BUTYL ETHER	28	U	
METHYLENE CHLORIDE	10	B	A
NAPHTHALENE	14	U	
N-BUTYLBENZENE	14	U	
N-PROPYLBENZENE	14	U	
O-XYLENE	14	U	
SEC-BUTYLBENZENE	14	U	
STYRENE	14	U	
TERT-AMYL METHYL ETHER	14	U	
TERT-BUTYLBENZENE	14	U	
TERTIARY-BUTYL ALCOHOL	28	UR	C
TETRACHLOROETHENE	14	U	

Parameter	Result	Val Qual	Qual Code
TOLUENE	10	J	P
TOTAL 1,2-DICHLOROETHENE	28	U	
TOTAL XYLENES	42	U	
TRANS-1,2-DICHLOROETHENE	14	U	
TRANS-1,3-DICHLOROPROPENE	14	U	
TRICHLOROETHENE	14	U	
TRICHLOROFLUOROMETHANE	28	U	
VINYL ACETATE	14	U	
VINYL CHLORIDE	28	U	

PROJ_NO: 00275

SDG: MID-6 MEDIA: SOIL DATA FRACTION: OV

nsample	SD-28-01	nsample	SD-28-01	nsample	SD-28-01
samp_date	10/21/2005	samp_date	10/21/2005	samp_date	10/21/2005
lab_id	WV5605-8	lab_id	WV5605-8	lab_id	WV5605-8
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	38.6	Pct_Solids	38.6	Pct_Solids	38.6
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	13	U	
1,1,1-TRICHLOROETHANE	13	U	
1,1,2,2-TETRACHLOROETHANE	13	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	13	U	
1,1-DICHLOROETHANE	13	U	
1,1-DICHLOROETHENE	13	U	
1,1-DICHLOROPROPENE	13	U	
1,2,3-TRICHLOROBENZENE	13	U	
1,2,3-TRICHLOROPROPANE	13	U	
1,2,3-TRIMETHYLBENZENE	13	U	
1,2,4-TRICHLOROBENZENE	13	U	
1,2,4-TRIMETHYLBENZENE	13	U	
1,2-DIBROMO-3-CHLOROPROPANE	13	U	
1,2-DIBROMOETHANE	13	U	
1,2-DICHLOROBENZENE	0.9	B	A
1,2-DICHLOROETHANE	13	U	
1,2-DICHLOROPROPANE	13	U	
1,3-DICHLOROBENZENE	13	U	
1,3-DICHLOROPROPANE	13	U	
1,4-DICHLOROBENZENE	13	U	
2,2-DICHLOROPROPANE	13	U	
2-BUTANONE	27	J	CP
2-CHLOROETHYL VINYL ETHER	13	U	
2-CHLOROTOLUENE	13	U	
2-HEXANONE	65	U	
4-CHLOROTOLUENE	13	U	
4-ISOPROPYLTOLUENE	13	U	
4-METHYL-2-PENTANONE	65	U	
ACETONE	130	B	A
BENZENE	13	U	
BROMOBENZENE	13	U	
BROMOCHLOROMETHANE	13	U	

Parameter	Result	Val Qual	Qual Code
BROMODICHLOROMETHANE	13	U	
BROMOFORM	13	U	
BROMOMETHANE	26	U	
CARBON DISULFIDE	6	J	P
CARBON TETRACHLORIDE	13	U	
CHLOROBENZENE	13	U	
CHLORODIBROMOMETHANE	13	U	
CHLOROETHANE	26	U	
CHLOROFORM	13	U	
CHLOROMETHANE	26	U	
CIS-1,2-DICHLOROETHENE	13	U	
CIS-1,3-DICHLOROPROPENE	13	U	
DIBROMOMETHANE	13	U	
DICHLORODIFLUOROMETHANE	26	U	
DIISOPROPYL ETHER	13	U	
ETHYL TERT-BUTYL ETHER	13	U	
ETHYLBENZENE	13	U	
HEXACHLOROBUTADIENE	13	U	
ISOPROPYLBENZENE	13	U	
M+P-XYLENES	26	U	
METHYL TERT-BUTYL ETHER	26	U	
METHYLENE CHLORIDE	9	B	A
NAPHTHALENE	13	U	
N-BUTYLBENZENE	13	U	
N-PROPYLBENZENE	13	U	
O-XYLENE	13	U	
SEC-BUTYLBENZENE	13	U	
STYRENE	13	U	
TERT-AMYL METHYL ETHER	13	U	
TERT-BUTYLBENZENE	13	U	
TERTIARY-BUTYL ALCOHOL	26	UR	C
TETRACHLOROETHENE	13	U	

Parameter	Result	Val Qual	Qual Code
TOLUENE	13	U	
TOTAL 1,2-DICHLOROETHENE	26	U	
TOTAL XYLENES	39	U	
TRANS-1,2-DICHLOROETHENE	13	U	
TRANS-1,3-DICHLOROPROPENE	13	U	
TRICHLOROETHENE	13	U	
TRICHLOROFLUOROMETHANE	26	U	
VINYL ACETATE	13	U	
VINYL CHLORIDE	26	U	

PROJ_NO: 00275

SDG: MID-6 MEDIA: SOIL DATA FRACTION: OV

nsample	SD-28-02
samp_date	10/21/2005
lab_id	WV5605-9
qc_type	NM
units	UG/KG
Pct_Solids	44.3
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	11	U	
1,1,1-TRICHLOROETHANE	11	U	
1,1,2,2-TETRACHLOROETHANE	11	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	11	U	
1,1-DICHLOROETHANE	11	U	
1,1-DICHLOROETHENE	11	U	
1,1-DICHLOROPROPENE	11	U	
1,2,3-TRICHLOROBENZENE	11	U	
1,2,3-TRICHLOROPROPANE	11	U	
1,2,3-TRIMETHYLBENZENE	11	U	
1,2,4-TRICHLOROBENZENE	11	U	
1,2,4-TRIMETHYLBENZENE	11	U	
1,2-DIBROMO-3-CHLOROPROPANE	11	U	
1,2-DIBROMOETHANE	11	U	
1,2-DICHLOROBENZENE	11	U	
1,2-DICHLOROETHANE	11	U	
1,2-DICHLOROPROPANE	11	U	
1,3-DICHLOROBENZENE	11	U	
1,3-DICHLOROPROPANE	11	U	
1,4-DICHLOROBENZENE	11	U	
2,2-DICHLOROPROPANE	11	U	
2-BUTANONE	13	J	CP
2-CHLOROETHYL VINYL ETHER	11	U	
2-CHLOROTOLUENE	11	U	
2-HEXANONE	56	U	
4-CHLOROTOLUENE	11	U	
4-ISOPROPYLTOLUENE	11	U	
4-METHYL-2-PENTANONE	56	U	
ACETONE	45	B	A
BENZENE	11	U	
BROMOBENZENE	11	U	
BROMOCHLOROMETHANE	11	U	

nsample	SD-28-02
samp_date	10/21/2005
lab_id	WV5605-9
qc_type	NM
units	UG/KG
Pct_Solids	44.3
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BROMODICHLOROMETHANE	11	U	
BROMOFORM	11	U	
BROMOMETHANE	22	U	
CARBON DISULFIDE	11	U	
CARBON TETRACHLORIDE	11	U	
CHLOROBENZENE	11	U	
CHLORODIBROMOMETHANE	11	U	
CHLOROETHANE	22	U	
CHLOROFORM	11	U	
CHLOROMETHANE	22	U	
CIS-1,2-DICHLOROETHENE	11	U	
CIS-1,3-DICHLOROPROPENE	11	U	
DIBROMOMETHANE	11	U	
DICHLORODIFLUOROMETHANE	22	U	
DIISOPROPYL ETHER	11	U	
ETHYL TERT-BUTYL ETHER	11	U	
ETHYLBENZENE	11	U	
HEXACHLOROBUTADIENE	11	U	
ISOPROPYLBENZENE	11	U	
M+P-XYLENES	22	U	
METHYL TERT-BUTYL ETHER	22	U	
METHYLENE CHLORIDE	6	B	A
NAPHTHALENE	11	U	
N-BUTYLBENZENE	11	U	
N-PROPYLBENZENE	11	U	
O-XYLENE	11	U	
SEC-BUTYLBENZENE	11	U	
STYRENE	11	U	
TERT-AMYL METHYL ETHER	11	U	
TERT-BUTYLBENZENE	11	U	
TERTIARY-BUTYL ALCOHOL	22	UR	C
TETRACHLOROETHENE	11	U	

nsample	SD-28-02
samp_date	10/21/2005
lab_id	WV5605-9
qc_type	NM
units	UG/KG
Pct_Solids	44.3
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOLUENE	3	J	P
TOTAL 1,2-DICHLOROETHENE	22	U	
TOTAL XYLENES	34	U	
TRANS-1,2-DICHLOROETHENE	11	U	
TRANS-1,3-DICHLOROPROPENE	11	U	
TRICHLOROETHENE	11	U	
TRICHLOROFLUOROMETHANE	22	U	
VINYL ACETATE	11	U	
VINYL CHLORIDE	22	U	

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SDG: MID-6 MEDIA: SOIL DATA FRACTION: OV

nsample	SD-28-SS	nsample	SD-28-SS	nsample	SD-28-SS
samp_date	10/21/2005	samp_date	10/21/2005	samp_date	10/21/2005
lab_id	WV5605-7	lab_id	WV5605-7	lab_id	WV5605-7
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	28.9	Pct_Solids	28.9	Pct_Solids	28.9
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	17	UL	RY
1,1,1-TRICHLOROETHANE	17	UL	RY
1,1,2,2-TETRACHLOROETHANE	17	UL	RY
1,1,2-TRICHLOROTRIFLUOROETHANE	17	UL	RY
1,1-DICHLOROETHANE	17	UL	RY
1,1-DICHLOROETHENE	17	UL	RY
1,1-DICHLOROPROPENE	17	UL	RY
1,2,3-TRICHLOROBENZENE	17	UL	RY
1,2,3-TRICHLOROPROPANE	17	UL	RY
1,2,3-TRIMETHYLBENZENE	17	UL	RY
1,2,4-TRICHLOROBENZENE	17	UL	RY
1,2,4-TRIMETHYLBENZENE	17	UL	RY
1,2-DIBROMO-3-CHLOROPROPANE	17	UL	RY
1,2-DIBROMOETHANE	17	UL	RY
1,2-DICHLOROBENZENE	17	UL	RY
1,2-DICHLOROETHANE	17	UL	RY
1,2-DICHLOROPROPANE	17	UL	RY
1,3-DICHLOROBENZENE	17	UL	RY
1,3-DICHLOROPROPANE	17	UL	RY
1,4-DICHLOROBENZENE	17	UL	RY
2,2-DICHLOROPROPANE	17	UL	RY
2-BUTANONE	85	UR	C
2-CHLOROETHYL VINYL ETHER	17	UL	RY
2-CHLOROTOLUENE	17	UL	RY
2-HEXANONE	85	UL	RY
4-CHLOROTOLUENE	17	UL	RY
4-ISOPROPYLTOLUENE	17	UL	RY
4-METHYL-2-PENTANONE	85	UL	RY
ACETONE	85	B	A
BENZENE	17	UL	RY
BROMOBENZENE	17	UL	RY
BROMOCHLOROMETHANE	17	UL	RY

Parameter	Result	Val Qual	Qual Code
BROMODICHLOROMETHANE	17	UL	RY
BROMOFORM	17	UL	RY
BROMOMETHANE	34	UL	RY
CARBON DISULFIDE	17	UL	RY
CARBON TETRACHLORIDE	17	UL	RY
CHLOROBENZENE	17	UL	RY
CHLORODIBROMOMETHANE	17	UL	RY
CHLOROETHANE	34	UL	RY
CHLOROFORM	17	UL	RY
CHLOROMETHANE	34	UL	RY
CIS-1,2-DICHLOROETHENE	17	UL	RY
CIS-1,3-DICHLOROPROPENE	17	UL	RY
DIBROMOMETHANE	17	UL	RY
DICHLORODIFLUOROMETHANE	34	UL	RY
DIISOPROPYL ETHER	17	UL	RY
ETHYL TERT-BUTYL ETHER	17	UL	RY
ETHYLBENZENE	17	UL	RY
HEXACHLOROBUTADIENE	17	UL	RY
ISOPROPYLBENZENE	17	UL	RY
M+P-XYLENES	34	UL	RY
METHYL TERT-BUTYL ETHER	3	J	RY
METHYLENE CHLORIDE	12	B	A
NAPHTHALENE	17	UL	RY
N-BUTYLBENZENE	17	UL	RY
N-PROPYLBENZENE	17	UL	RY
O-XYLENE	17	UL	RY
SEC-BUTYLBENZENE	17	UL	RY
STYRENE	17	UL	RY
TERT-AMYL METHYL ETHER	17	UL	RY
TERT-BUTYLBENZENE	17	UL	RY
TERTIARY-BUTYL ALCOHOL	34	UR	C
TETRACHLOROETHENE	17	UL	RY

Parameter	Result	Val Qual	Qual Code
TOLUENE	17	UL	RY
TOTAL 1,2-DICHLOROETHENE	34	UL	RY
TOTAL XYLENES	51	UL	RY
TRANS-1,2-DICHLOROETHENE	17	UL	RY
TRANS-1,3-DICHLOROPROPENE	17	UL	RY
TRICHLOROETHENE	17	UL	RY
TRICHLOROFLUOROMETHANE	34	UL	RY
VINYL ACETATE	17	UL	RY
VINYL CHLORIDE	34	UL	RY

PROJ_NO: 00275

SDG: MID-6 MEDIA: SOIL DATA FRACTION: OV

nsample	SD-29-01	nsample	SD-29-01	nsample	SD-29-01
samp_date	10/21/2005	samp_date	10/21/2005	samp_date	10/21/2005
lab_id	WV5605-11	lab_id	WV5605-11	lab_id	WV5605-11
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	36.4	Pct_Solids	36.4	Pct_Solids	36.4
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	13	UJ	R
1,1,1-TRICHLOROETHANE	13	UJ	R
1,1,2,2-TETRACHLOROETHANE	13	UJ	R
1,1,2-TRICHLOROTRIFLUOROETHANE	13	UJ	R
1,1-DICHLOROETHANE	13	UJ	R
1,1-DICHLOROETHENE	13	UJ	R
1,1-DICHLOROPROPENE	13	UJ	R
1,2,3-TRICHLOROBENZENE	13	UJ	R
1,2,3-TRICHLOROPROPANE	13	UJ	R
1,2,3-TRIMETHYLBENZENE	13	UJ	R
1,2,4-TRICHLOROBENZENE	13	UJ	R
1,2,4-TRIMETHYLBENZENE	13	UJ	R
1,2-DIBROMO-3-CHLOROPROPANE	13	UJ	R
1,2-DIBROMOETHANE	13	UJ	R
1,2-DICHLOROBENZENE	13	UJ	R
1,2-DICHLOROETHANE	13	UJ	R
1,2-DICHLOROPROPANE	13	UJ	R
1,3-DICHLOROBENZENE	13	UJ	R
1,3-DICHLOROPROPANE	13	UJ	R
1,4-DICHLOROBENZENE	13	UJ	R
2,2-DICHLOROPROPANE	13	UJ	R
2-BUTANONE	64	UJ	R
2-CHLOROETHYL VINYL ETHER	13	UJ	R
2-CHLOROTOLUENE	13	UJ	R
2-HEXANONE	64	UJ	R
4-CHLOROTOLUENE	13	UJ	R
4-ISOPROPYLTOLUENE	13	UJ	R
4-METHYL-2-PENTANONE	64	UJ	R
ACETONE	150	B	A
BENZENE	13	UJ	R
BROMOBENZENE	13	UJ	R
BROMOCHLOROMETHANE	13	UJ	R

Parameter	Result	Val Qual	Qual Code
BROMODICHLOROMETHANE	13	UJ	R
BROMOFORM	13	UJ	R
BROMOMETHANE	25	UJ	R
CARBON DISULFIDE	13	UJ	R
CARBON TETRACHLORIDE	13	UJ	R
CHLOROBENZENE	13	UJ	R
CHLORODIBROMOMETHANE	13	UJ	R
CHLOROETHANE	25	UJ	R
CHLOROFORM	13	UJ	R
CHLOROMETHANE	25	UJ	R
CIS-1,2-DICHLOROETHENE	13	UJ	R
CIS-1,3-DICHLOROPROPENE	13	UJ	R
DIBROMOMETHANE	13	UJ	R
DICHLORODIFLUOROMETHANE	25	UJ	R
DIISOPROPYL ETHER	13	UJ	R
ETHYL TERT-BUTYL ETHER	13	UJ	R
ETHYLBENZENE	13	UJ	R
HEXACHLOROBUTADIENE	13	UJ	R
ISOPROPYLBENZENE	13	UJ	R
M+P-XYLENES	25	UJ	R
METHYL TERT-BUTYL ETHER	25	UJ	R
METHYLENE CHLORIDE	6	B	A
NAPHTHALENE	13	UJ	R
N-BUTYLBENZENE	13	UJ	R
N-PROPYLBENZENE	13	UJ	R
O-XYLENE	13	UJ	R
SEC-BUTYLBENZENE	13	UJ	R
STYRENE	13	UJ	R
TERT-AMYL METHYL ETHER	13	UJ	R
TERT-BUTYLBENZENE	13	UJ	R
TERTIARY-BUTYL ALCOHOL	25	UR	C
TETRACHLOROETHENE	13	UJ	R

Parameter	Result	Val Qual	Qual Code
TOLUENE	13	UJ	R
TOTAL 1,2-DICHLOROETHENE	25	UJ	R
TOTAL XYLENES	38	UJ	R
TRANS-1,2-DICHLOROETHENE	13	UJ	R
TRANS-1,3-DICHLOROPROPENE	13	UJ	R
TRICHLOROETHENE	13	UJ	R
TRICHLOROFLUOROMETHANE	25	UJ	R
VINYL ACETATE	13	UJ	R
VINYL CHLORIDE	25	UJ	R

PROJ_NO: 00275

SDG: MID-6 MEDIA: SOIL DATA FRACTION: OV

nsample	SD-29-02
samp_date	10/21/2005
lab_id	WV5605-12
qc_type	NM
units	UG/KG
Pct_Solids	57.8
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	9	U	
1,1,1-TRICHLOROETHANE	9	U	
1,1,2,2-TETRACHLOROETHANE	9	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	9	U	
1,1-DICHLOROETHANE	9	U	
1,1-DICHLOROETHENE	9	U	
1,1-DICHLOROPROPENE	9	U	
1,2,3-TRICHLOROBENZENE	9	U	
1,2,3-TRICHLOROPROPANE	9	U	
1,2,3-TRIMETHYLBENZENE	9	U	
1,2,4-TRICHLOROBENZENE	9	U	
1,2,4-TRIMETHYLBENZENE	9	U	
1,2-DIBROMO-3-CHLOROPROPANE	9	U	
1,2-DIBROMOETHANE	9	U	
1,2-DICHLOROBENZENE	9	U	
1,2-DICHLOROETHANE	9	U	
1,2-DICHLOROPROPANE	9	U	
1,3-DICHLOROBENZENE	9	U	
1,3-DICHLOROPROPANE	9	U	
1,4-DICHLOROBENZENE	9	U	
2,2-DICHLOROPROPANE	9	U	
2-BUTANONE	43	U	
2-CHLOROETHYL VINYL ETHER	9	U	
2-CHLOROTOLUENE	9	U	
2-HEXANONE	43	U	
4-CHLOROTOLUENE	9	U	
4-ISOPROPYLTOLUENE	9	U	
4-METHYL-2-PENTANONE	43	U	
ACETONE	54	B	A
BENZENE	9	U	
BROMOBENZENE	9	U	
BROMOCHLOROMETHANE	9	U	

nsample	SD-29-02
samp_date	10/21/2005
lab_id	WV5605-12
qc_type	NM
units	UG/KG
Pct_Solids	57.8
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BROMODICHLOROMETHANE	9	U	
BROMOFORM	9	U	
BROMOMETHANE	17	U	
CARBON DISULFIDE	9	U	
CARBON TETRACHLORIDE	9	U	
CHLOROBENZENE	9	U	
CHLORODIBROMOMETHANE	9	U	
CHLOROETHANE	17	U	
CHLOROFORM	9	U	
CHLOROMETHANE	17	U	
CIS-1,2-DICHLOROETHENE	9	U	
CIS-1,3-DICHLOROPROPENE	9	U	
DIBROMOMETHANE	9	U	
DICHLORODIFLUOROMETHANE	17	U	
DIISOPROPYL ETHER	9	U	
ETHYL TERT-BUTYL ETHER	9	U	
ETHYLBENZENE	9	U	
HEXACHLOROBUTADIENE	9	U	
ISOPROPYLBENZENE	9	U	
M+P-XYLENES	17	U	
METHYL TERT-BUTYL ETHER	17	U	
METHYLENE CHLORIDE	5	B	A
NAPHTHALENE	9	U	
N-BUTYLBENZENE	9	U	
N-PROPYLBENZENE	9	U	
O-XYLENE	9	U	
SEC-BUTYLBENZENE	9	U	
STYRENE	9	U	
TERT-AMYL METHYL ETHER	9	U	
TERT-BUTYLBENZENE	9	U	
TERTIARY-BUTYL ALCOHOL	17	UR	C
TETRACHLOROETHENE	9	U	

nsample	SD-29-02
samp_date	10/21/2005
lab_id	WV5605-12
qc_type	NM
units	UG/KG
Pct_Solids	57.8
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOLUENE	9		
TOTAL 1,2-DICHLOROETHENE	17	U	
TOTAL XYLENES	26	U	
TRANS-1,2-DICHLOROETHENE	9	U	
TRANS-1,3-DICHLOROPROPENE	9	U	
TRICHLOROETHENE	9	U	
TRICHLOROFLUOROMETHANE	17	U	
VINYL ACETATE	9	U	
VINYL CHLORIDE	17	U	

PROJ_NO: 00275

SDG: MID-6 MEDIA: SOIL DATA FRACTION: OV

nsample	SD-29-SSRA	nsample	SD-29-SSRA	nsample	SD-29-SSRA
samp_date	10/21/2005	samp_date	10/21/2005	samp_date	10/21/2005
lab_id	WV5605-10RA	lab_id	WV5605-10RA	lab_id	WV5605-10RA
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	33.5	Pct_Solids	33.5	Pct_Solids	33.5
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	15	U	
1,1,1-TRICHLOROETHANE	15	U	
1,1,2,2-TETRACHLOROETHANE	15	UL	N
1,1,2-TRICHLOROTRIFLUOROETHANE	15	U	
1,1-DICHLOROETHANE	15	U	
1,1-DICHLOROETHENE	15	U	
1,1-DICHLOROPROPENE	15	U	
1,2,3-TRICHLOROBENZENE	15	UL	N
1,2,3-TRICHLOROPROPANE	15	UL	N
1,2,3-TRIMETHYLBENZENE	15	UL	N
1,2,4-TRICHLOROBENZENE	15	UL	N
1,2,4-TRIMETHYLBENZENE	15	UL	N
1,2-DIBROMO-3-CHLOROPROPANE	15	UL	N
1,2-DIBROMOETHANE	15	U	
1,2-DICHLOROBENZENE	15	UL	N
1,2-DICHLOROETHANE	15	U	
1,2-DICHLOROPROPANE	15	U	
1,3-DICHLOROBENZENE	15	UL	N
1,3-DICHLOROPROPANE	15	U	
1,4-DICHLOROBENZENE	15	UL	N
2,2-DICHLOROPROPANE	15	U	
2-BUTANONE	17	J	CP
2-CHLOROETHYL VINYL ETHER	15	U	
2-CHLOROTOLUENE	15	UL	N
2-HEXANONE	74	U	
4-CHLOROTOLUENE	15	UL	N
4-ISOPROPYLTOLUENE	15	UL	N
4-METHYL-2-PENTANONE	74	U	
ACETONE	88	B	A
BENZENE	15	U	
BROMOBENZENE	15	UL	N
BROMOCHLOROMETHANE	15	U	

Parameter	Result	Val Qual	Qual Code
BROMODICHLOROMETHANE	15	U	
BROMOFORM	15	U	
BROMOMETHANE	30	U	
CARBON DISULFIDE	12	J	P
CARBON TETRACHLORIDE	15	U	
CHLOROBENZENE	15	U	
CHLORODIBROMOMETHANE	15	U	
CHLOROETHANE	30	U	
CHLOROFORM	15	U	
CHLOROMETHANE	30	U	
CIS-1,2-DICHLOROETHENE	15	U	
CIS-1,3-DICHLOROPROPENE	15	U	
DIBROMOMETHANE	15	U	
DICHLORODIFLUOROMETHANE	30	U	
DIISOPROPYL ETHER	15	U	
ETHYL TERT-BUTYL ETHER	15	U	
ETHYLBENZENE	15	U	
HEXACHLOROBUTADIENE	15	UL	N
ISOPROPYLBENZENE	15	UL	N
M+P-XYLENES	30	U	
METHYL TERT-BUTYL ETHER	5	J	P
METHYLENE CHLORIDE	10	B	A
NAPHTHALENE	15	UL	N
N-BUTYLBENZENE	15	UL	N
N-PROPYLBENZENE	15	UL	N
O-XYLENE	15	U	
SEC-BUTYLBENZENE	15	UL	N
STYRENE	15	U	
TERT-AMYL METHYL ETHER	15	U	
TERT-BUTYLBENZENE	15	U	
TERTIARY-BUTYL ALCOHOL	30	UR	C
TETRACHLOROETHENE	15	U	

Parameter	Result	Val Qual	Qual Code
TOLUENE	15	U	
TOTAL 1,2-DICHLOROETHENE	30	U	
TOTAL XYLENES	45	U	
TRANS-1,2-DICHLOROETHENE	15	U	
TRANS-1,3-DICHLOROPROPENE	15	U	
TRICHLOROETHENE	15	U	
TRICHLOROFLUOROMETHANE	30	U	
VINYL ACETATE	15	U	
VINYL CHLORIDE	30	U	

PROJ_NO: 00275

SDG: MID-6 MEDIA: SOIL DATA FRACTION: OV

nsample	SD-30-SS	nsample	SD-30-SS	nsample	SD-30-SS
samp_date	10/21/2005	samp_date	10/21/2005	samp_date	10/21/2005
lab_id	WV5605-13	lab_id	WV5605-13	lab_id	WV5605-13
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	24.8	Pct_Solids	24.8	Pct_Solids	24.8
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	19	UJ	Y
1,1,1-TRICHLOROETHANE	19	UJ	Y
1,1,2,2-TETRACHLOROETHANE	19	UJ	Y
1,1,2-TRICHLOROTRIFLUOROETHANE	19	UJ	Y
1,1-DICHLOROETHANE	19	UJ	Y
1,1-DICHLOROETHENE	19	UJ	Y
1,1-DICHLOROPROPENE	19	UJ	Y
1,2,3-TRICHLOROBENZENE	19	UJ	Y
1,2,3-TRICHLOROPROPANE	19	UJ	Y
1,2,3-TRIMETHYLBENZENE	19	UJ	Y
1,2,4-TRICHLOROBENZENE	19	UJ	Y
1,2,4-TRIMETHYLBENZENE	19	UJ	Y
1,2-DIBROMO-3-CHLOROPROPANE	19	UJ	Y
1,2-DIBROMOETHANE	19	UJ	Y
1,2-DICHLOROBENZENE	19	UJ	Y
1,2-DICHLOROETHANE	19	UJ	Y
1,2-DICHLOROPROPANE	19	UJ	Y
1,3-DICHLOROBENZENE	19	UJ	Y
1,3-DICHLOROPROPANE	19	UJ	Y
1,4-DICHLOROBENZENE	19	UJ	Y
2,2-DICHLOROPROPANE	19	UJ	Y
2-BUTANONE	93	UJ	Y
2-CHLOROETHYL VINYL ETHER	19	UJ	Y
2-CHLOROTOLUENE	19	UJ	Y
2-HEXANONE	93	UJ	Y
4-CHLOROTOLUENE	19	UJ	Y
4-ISOPROPYLTOLUENE	19	UJ	Y
4-METHYL-2-PENTANONE	93	UJ	Y
ACETONE	140	B	A
BENZENE	19	UJ	Y
BROMOBENZENE	19	UJ	Y
BROMOCHLOROMETHANE	19	UJ	Y

Parameter	Result	Val Qual	Qual Code
BROMODICHLOROMETHANE	19	UJ	Y
BROMOFORM	19	UJ	Y
BROMOMETHANE	37	UJ	Y
CARBON DISULFIDE	19	UJ	Y
CARBON TETRACHLORIDE	19	UJ	Y
CHLOROBENZENE	19	UJ	Y
CHLORODIBROMOMETHANE	19	UJ	Y
CHLOROETHANE	37	UJ	Y
CHLOROFORM	19	UJ	Y
CHLOROMETHANE	37	UJ	Y
CIS-1,2-DICHLOROETHENE	19	UJ	Y
CIS-1,3-DICHLOROPROPENE	19	UJ	Y
DIBROMOMETHANE	19	UJ	Y
DICHLORODIFLUOROMETHANE	37	UJ	Y
DIISOPROPYL ETHER	19	UJ	Y
ETHYL TERT-BUTYL ETHER	19	UJ	Y
ETHYLBENZENE	19	UJ	Y
HEXACHLOROBUTADIENE	19	UJ	Y
ISOPROPYLBENZENE	19	UJ	Y
M+P-XYLENES	37	UJ	Y
METHYL TERT-BUTYL ETHER	3	J	PY
METHYLENE CHLORIDE	19	UJ	Y
NAPHTHALENE	19	UJ	Y
N-BUTYLBENZENE	19	UJ	Y
N-PROPYLBENZENE	19	UJ	Y
O-XYLENE	19	UJ	Y
SEC-BUTYLBENZENE	19	UJ	Y
STYRENE	19	UJ	Y
TERT-AMYL METHYL ETHER	19	UJ	Y
TERT-BUTYLBENZENE	19	UJ	Y
TERTIARY-BUTYL ALCOHOL	37	UR	C
TETRACHLOROETHENE	19	UJ	Y

Parameter	Result	Val Qual	Qual Code
TOLUENE	19	UJ	Y
TOTAL 1,2-DICHLOROETHENE	37	UJ	Y
TOTAL XYLENES	56	UJ	Y
TRANS-1,2-DICHLOROETHENE	19	UJ	Y
TRANS-1,3-DICHLOROPROPENE	19	UJ	Y
TRICHLOROETHENE	19	UJ	Y
TRICHLOROFLUOROMETHANE	37	UJ	Y
VINYL ACETATE	19	UJ	Y
VINYL CHLORIDE	37	UJ	Y

PROJ_NO: 00275

SDG: MID-6 MEDIA: SOIL DATA FRACTION: OV

nsample	SD-31-01
samp_date	10/21/2005
lab_id	WV5605-15
qc_type	NM
units	UG/KG
Pct_Solids	44.6
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	10	UJ	N
1,1,1-TRICHLOROETHANE	10	UJ	N
1,1,2,2-TETRACHLOROETHANE	10	UJ	N
1,1,2-TRICHLOROTRIFLUOROETHANE	10	UJ	N
1,1-DICHLOROETHANE	10	UJ	N
1,1-DICHLOROETHENE	10	UJ	N
1,1-DICHLOROPROPENE	10	UJ	N
1,2,3-TRICHLOROBENZENE	10	UJ	N
1,2,3-TRICHLOROPROPANE	10	UJ	N
1,2,3-TRIMETHYLBENZENE	10	UJ	N
1,2,4-TRICHLOROBENZENE	10	UJ	N
1,2,4-TRIMETHYLBENZENE	10	UJ	N
1,2-DIBROMO-3-CHLOROPROPANE	10	UJ	N
1,2-DIBROMOETHANE	10	UJ	N
1,2-DICHLOROBENZENE	10	UJ	N
1,2-DICHLOROETHANE	10	UJ	N
1,2-DICHLOROPROPANE	10	UJ	N
1,3-DICHLOROBENZENE	10	UJ	N
1,3-DICHLOROPROPANE	10	UJ	N
1,4-DICHLOROBENZENE	10	UJ	N
2,2-DICHLOROPROPANE	10	UJ	N
2-BUTANONE	52	UJ	N
2-CHLOROETHYL VINYL ETHER	10	UJ	N
2-CHLOROTOLUENE	10	UJ	N
2-HEXANONE	52	UJ	N
4-CHLOROTOLUENE	10	UJ	N
4-ISOPROPYLTOLUENE	10	UJ	N
4-METHYL-2-PENTANONE	52	UJ	N
ACETONE	65	B	A
BENZENE	10	UJ	N
BROMOBENZENE	10	UJ	N
BROMOCHLOROMETHANE	10	UJ	N

nsample	SD-31-01
samp_date	10/21/2005
lab_id	WV5605-15
qc_type	NM
units	UG/KG
Pct_Solids	44.6
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BROMODICHLOROMETHANE	10	UJ	N
BROMOFORM	10	UJ	N
BROMOMETHANE	21	UJ	N
CARBON DISULFIDE	5	J	PN
CARBON TETRACHLORIDE	10	UJ	N
CHLOROBENZENE	10	UJ	N
CHLORODIBROMOMETHANE	10	UJ	N
CHLOROETHANE	21	UJ	N
CHLOROFORM	10	UJ	N
CHLOROMETHANE	21	UJ	N
CIS-1,2-DICHLOROETHENE	10	UJ	N
CIS-1,3-DICHLOROPROPENE	10	UJ	N
DIBROMOMETHANE	10	UJ	N
DICHLORODIFLUOROMETHANE	21	UJ	N
DIISOPROPYL ETHER	10	UJ	N
ETHYL TERT-BUTYL ETHER	10	UJ	N
ETHYLBENZENE	10	UJ	N
HEXACHLOROBUTADIENE	10	UJ	N
ISOPROPYLBENZENE	10	UJ	N
M+P-XYLENES	21	UJ	N
METHYL TERT-BUTYL ETHER	21	UJ	N
METHYLENE CHLORIDE	10	UJ	N
NAPHTHALENE	10	UJ	N
N-BUTYLBENZENE	10	UJ	N
N-PROPYLBENZENE	10	UJ	N
O-XYLENE	10	UJ	N
SEC-BUTYLBENZENE	10	UJ	N
STYRENE	10	UL	N
TERT-AMYL METHYL ETHER	10	UJ	N
TERT-BUTYLBENZENE	10	UJ	N
TERTIARY-BUTYL ALCOHOL	21	UR	C
TETRACHLOROETHENE	10	UJ	N

nsample	SD-31-01
samp_date	10/21/2005
lab_id	WV5605-15
qc_type	NM
units	UG/KG
Pct_Solids	44.6
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOLUENE	2	J	PN
TOTAL 1,2-DICHLOROETHENE	21	UJ	N
TOTAL XYLENES	31	UJ	N
TRANS-1,2-DICHLOROETHENE	10	UJ	N
TRANS-1,3-DICHLOROPROPENE	10	UJ	N
TRICHLOROETHENE	10	UJ	N
TRICHLOROFLUOROMETHANE	21	UJ	N
VINYL ACETATE	10	UJ	N
VINYL CHLORIDE	21	UJ	N

PROJ_NO: 00275

SDG: MID-6 MEDIA: SOIL DATA FRACTION: OV

nsample	SD-31-02
samp_date	10/21/2005
lab_id	WV5605-16
qc_type	NM
units	UG/KG
Pct_Solids	32.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	15	U	
1,1,1-TRICHLOROETHANE	15	U	
1,1,2,2-TETRACHLOROETHANE	15	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	15	U	
1,1-DICHLOROETHANE	15	U	
1,1-DICHLOROETHENE	15	U	
1,1-DICHLOROPROPENE	15	U	
1,2,3-TRICHLOROBENZENE	15	U	
1,2,3-TRICHLOROPROPANE	15	U	
1,2,3-TRIMETHYLBENZENE	15	U	
1,2,4-TRICHLOROBENZENE	15	U	
1,2,4-TRIMETHYLBENZENE	15	U	
1,2-DIBROMO-3-CHLOROPROPANE	15	U	
1,2-DIBROMOETHANE	15	U	
1,2-DICHLOROBENZENE	15	U	
1,2-DICHLOROETHANE	15	U	
1,2-DICHLOROPROPANE	15	U	
1,3-DICHLOROBENZENE	1	B	A
1,3-DICHLOROPROPANE	15	U	
1,4-DICHLOROBENZENE	15	U	
2,2-DICHLOROPROPANE	15	U	
2-BUTANONE	74	U	
2-CHLOROETHYL VINYL ETHER	15	U	
2-CHLOROTOLUENE	15	U	
2-HEXANONE	74	U	
4-CHLOROTOLUENE	15	U	
4-ISOPROPYLTOLUENE	15	U	
4-METHYL-2-PENTANONE	74	U	
ACETONE	140	B	A
BENZENE	15	U	
BROMOBENZENE	15	U	
BROMOCHLOROMETHANE	15	U	

nsample	SD-31-02
samp_date	10/21/2005
lab_id	WV5605-16
qc_type	NM
units	UG/KG
Pct_Solids	32.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BROMODICHLOROMETHANE	15	U	
BROMOFORM	15	U	
BROMOMETHANE	30	U	
CARBON DISULFIDE	7	J	P
CARBON TETRACHLORIDE	15	U	
CHLOROBENZENE	15	U	
CHLORODIBROMOMETHANE	15	U	
CHLOROETHANE	30	U	
CHLOROFORM	15	U	
CHLOROMETHANE	30	U	
CIS-1,2-DICHLOROETHENE	15	U	
CIS-1,3-DICHLOROPROPENE	15	U	
DIBROMOMETHANE	15	U	
DICHLORODIFLUOROMETHANE	30	U	
DIISOPROPYL ETHER	15	U	
ETHYL TERT-BUTYL ETHER	15	U	
ETHYLBENZENE	15	U	
HEXACHLOROBUTADIENE	15	U	
ISOPROPYLBENZENE	15	U	
M+P-XYLENES	30	U	
METHYL TERT-BUTYL ETHER	3	J	P
METHYLENE CHLORIDE	15	U	
NAPHTHALENE	15	U	
N-BUTYLBENZENE	15	U	
N-PROPYLBENZENE	15	U	
O-XYLENE	15	U	
SEC-BUTYLBENZENE	15	U	
STYRENE	15	U	
TERT-AMYL METHYL ETHER	15	U	
TERT-BUTYLBENZENE	15	U	
TERTIARY-BUTYL ALCOHOL	30	UR	C
TETRACHLOROETHENE	15	U	

nsample	SD-31-02
samp_date	10/21/2005
lab_id	WV5605-16
qc_type	NM
units	UG/KG
Pct_Solids	32.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOLUENE	15	U	
TOTAL 1,2-DICHLOROETHENE	30	U	
TOTAL XYLENES	44	U	
TRANS-1,2-DICHLOROETHENE	15	U	
TRANS-1,3-DICHLOROPROPENE	15	U	
TRICHLOROETHENE	15	U	
TRICHLOROFLUOROMETHANE	30	U	
VINYL ACETATE	15	U	
VINYL CHLORIDE	30	U	

PROJ_NO: 00275

SDG: MID-6 MEDIA: SOIL DATA FRACTION: OV

nsample	SD-31-SS
samp_date	10/21/2005
lab_id	WV5605-14
qc_type	NM
units	UG/KG
Pct_Solids	38.1
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	13	U	
1,1,1-TRICHLOROETHANE	13	U	
1,1,2,2-TETRACHLOROETHANE	13	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	13	U	
1,1-DICHLOROETHANE	13	U	
1,1-DICHLOROETHENE	13	U	
1,1-DICHLOROPROPENE	13	U	
1,2,3-TRICHLOROBENZENE	13	U	
1,2,3-TRICHLOROPROPANE	13	U	
1,2,3-TRIMETHYLBENZENE	13	U	
1,2,4-TRICHLOROBENZENE	8	B	A
1,2,4-TRIMETHYLBENZENE	13	U	
1,2-DIBROMO-3-CHLOROPROPANE	13	U	
1,2-DIBROMOETHANE	13	U	
1,2-DICHLOROBENZENE	13	U	
1,2-DICHLOROETHANE	13	U	
1,2-DICHLOROPROPANE	13	U	
1,3-DICHLOROBENZENE	13	U	
1,3-DICHLOROPROPANE	13	U	
1,4-DICHLOROBENZENE	13	U	
2,2-DICHLOROPROPANE	13	U	
2-BUTANONE	66	U	
2-CHLOROETHYL VINYL ETHER	13	U	
2-CHLOROTOLUENE	13	U	
2-HEXANONE	66	U	
4-CHLOROTOLUENE	13	U	
4-ISOPROPYLTOLUENE	13	U	
4-METHYL-2-PENTANONE	66	U	
ACETONE	61	B	A
BENZENE	13	U	
BROMOBENZENE	13	U	
BROMOCHLOROMETHANE	13	U	

nsample	SD-31-SS
samp_date	10/21/2005
lab_id	WV5605-14
qc_type	NM
units	UG/KG
Pct_Solids	38.1
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BROMODICHLOROMETHANE	13	U	
BROMOFORM	13	U	
BROMOMETHANE	26	U	
CARBON DISULFIDE	13	U	
CARBON TETRACHLORIDE	13	U	
CHLOROBENZENE	13	U	
CHLORODIBROMOMETHANE	13	U	
CHLOROETHANE	26	U	
CHLOROFORM	13	U	
CHLOROMETHANE	26	U	
CIS-1,2-DICHLOROETHENE	13	U	
CIS-1,3-DICHLOROPROPENE	13	U	
DIBROMOMETHANE	13	U	
DICHLORODIFLUOROMETHANE	26	U	
DIISOPROPYL ETHER	13	U	
ETHYL TERT-BUTYL ETHER	13	U	
ETHYLBENZENE	13	U	
HEXACHLOROBUTADIENE	13	U	
ISOPROPYLBENZENE	13	U	
M+P-XYLENES	26	U	
METHYL TERT-BUTYL ETHER	3	J	P
METHYLENE CHLORIDE	13	U	
NAPHTHALENE	13	U	
N-BUTYLBENZENE	13	U	
N-PROPYLBENZENE	13	U	
O-XYLENE	13	U	
SEC-BUTYLBENZENE	13	U	
STYRENE	13	U	
TERT-AMYL METHYL ETHER	13	U	
TERT-BUTYLBENZENE	13	U	
TERTIARY-BUTYL ALCOHOL	26	UR	C
TETRACHLOROETHENE	13	U	

nsample	SD-31-SS
samp_date	10/21/2005
lab_id	WV5605-14
qc_type	NM
units	UG/KG
Pct_Solids	38.1
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOLUENE	13	U	
TOTAL 1,2-DICHLOROETHENE	26	U	
TOTAL XYLENES	39	U	
TRANS-1,2-DICHLOROETHENE	13	U	
TRANS-1,3-DICHLOROPROPENE	13	U	
TRICHLOROETHENE	13	U	
TRICHLOROFLUOROMETHANE	26	U	
VINYL ACETATE	13	U	
VINYL CHLORIDE	26	U	

PROJ_NO: 00275

SDG: MID-6 MEDIA: SOIL DATA FRACTION: OV

nsample	SD-32-SS	nsample	SD-32-SS	nsample	SD-32-SS
samp_date	10/21/2005	samp_date	10/21/2005	samp_date	10/21/2005
lab_id	WV5605-17	lab_id	WV5605-17	lab_id	WV5605-17
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	20.0	Pct_Solids	20.0	Pct_Solids	20.0
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	24	UJ	RY
1,1,1-TRICHLOROETHANE	24	UJ	RY
1,1,2,2-TETRACHLOROETHANE	24	UJ	RY
1,1,2-TRICHLOROTRIFLUOROETHANE	24	UJ	RY
1,1-DICHLOROETHANE	24	UJ	RY
1,1-DICHLOROETHENE	24	UJ	RY
1,1-DICHLOROPROPENE	24	UJ	RY
1,2,3-TRICHLOROBENZENE	24	UJ	RY
1,2,3-TRICHLOROPROPANE	24	UJ	RY
1,2,3-TRIMETHYLBENZENE	24	UJ	RY
1,2,4-TRICHLOROBENZENE	24	UJ	RY
1,2,4-TRIMETHYLBENZENE	24	UJ	RY
1,2-DIBROMO-3-CHLOROPROPANE	24	UJ	RY
1,2-DIBROMOETHANE	24	UJ	RY
1,2-DICHLOROBENZENE	24	UJ	RY
1,2-DICHLOROETHANE	24	UJ	RY
1,2-DICHLOROPROPANE	24	UJ	RY
1,3-DICHLOROBENZENE	24	UJ	RY
1,3-DICHLOROPROPANE	24	UJ	RY
1,4-DICHLOROBENZENE	24	UJ	RY
2,2-DICHLOROPROPANE	24	UJ	RY
2-BUTANONE	120	UJ	RY
2-CHLOROETHYL VINYL ETHER	24	UJ	RY
2-CHLOROTOLUENE	24	UJ	RY
2-HEXANONE	120	UJ	RY
4-CHLOROTOLUENE	24	UJ	RY
4-ISOPROPYLTOLUENE	24	UJ	RY
4-METHYL-2-PENTANONE	120	UJ	RY
ACETONE	110	B	A
BENZENE	24	UJ	RY
BROMOBENZENE	24	UJ	RY
BROMOCHLOROMETHANE	24	UJ	RY

Parameter	Result	Val Qual	Qual Code
BROMODICHLOROMETHANE	24	UJ	RY
BROMOFORM	24	UJ	RY
BROMOMETHANE	49	UJ	RY
CARBON DISULFIDE	24	UJ	RY
CARBON TETRACHLORIDE	24	UJ	RY
CHLOROBENZENE	24	UJ	RY
CHLORODIBROMOMETHANE	24	UJ	RY
CHLOROETHANE	49	UJ	RY
CHLOROFORM	24	UJ	RY
CHLOROMETHANE	49	UJ	RY
CIS-1,2-DICHLOROETHENE	24	UJ	RY
CIS-1,3-DICHLOROPROPENE	24	UJ	RY
DIBROMOMETHANE	24	UJ	RY
DICHLORODIFLUOROMETHANE	49	UJ	RY
DIISOPROPYL ETHER	24	UJ	RY
ETHYL TERT-BUTYL ETHER	24	UJ	RY
ETHYLBENZENE	24	UJ	RY
HEXACHLOROBUTADIENE	24	UJ	RY
ISOPROPYLBENZENE	24	UJ	RY
M+P-XYLENES	49	UJ	RY
METHYL TERT-BUTYL ETHER	9	J	PRY
METHYLENE CHLORIDE	24	UJ	RY
NAPHTHALENE	24	UJ	RY
N-BUTYLBENZENE	24	UJ	RY
N-PROPYLBENZENE	24	UJ	RY
O-XYLENE	24	UJ	RY
SEC-BUTYLBENZENE	24	UJ	RY
STYRENE	24	UJ	RY
TERT-AMYL METHYL ETHER	24	UJ	RY
TERT-BUTYLBENZENE	24	UJ	RY
TERTIARY-BUTYL ALCOHOL	49	UR	C
TETRACHLOROETHENE	24	UJ	RY

Parameter	Result	Val Qual	Qual Code
TOLUENE	24	UJ	RY
TOTAL 1,2-DICHLOROETHENE	49	UJ	RY
TOTAL XYLENES	74	UJ	RY
TRANS-1,2-DICHLOROETHENE	24	UJ	RY
TRANS-1,3-DICHLOROPROPENE	24	UJ	RY
TRICHLOROETHENE	24	UJ	RY
TRICHLOROFLUOROMETHANE	49	UJ	RY
VINYL ACETATE	24	UJ	RY
VINYL CHLORIDE	49	UJ	RY

PROJ_NO: 00275

SDG: MID-6 MEDIA: SOIL DATA FRACTION: OV

nsample	SD-33-SSRA
samp_date	10/21/2005
lab_id	WV5605-18RA
qc_type	NM
units	UG/KG
Pct_Solids	24.5
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	20	UJ	Y
1,1,1-TRICHLOROETHANE	20	UJ	Y
1,1,2,2-TETRACHLOROETHANE	20	UJ	Y
1,1,2-TRICHLOROTRIFLUOROETHANE	20	UJ	Y
1,1-DICHLOROETHANE	20	UJ	Y
1,1-DICHLOROETHENE	20	UJ	Y
1,1-DICHLOROPROPENE	20	UJ	Y
1,2,3-TRICHLOROBENZENE	20	UJ	Y
1,2,3-TRICHLOROPROPANE	20	UJ	Y
1,2,3-TRIMETHYLBENZENE	20	UJ	Y
1,2,4-TRICHLOROBENZENE	20	UJ	Y
1,2,4-TRIMETHYLBENZENE	20	UJ	Y
1,2-DIBROMO-3-CHLOROPROPANE	20	UJ	Y
1,2-DIBROMOETHANE	20	UJ	Y
1,2-DICHLOROBENZENE	20	UJ	Y
1,2-DICHLOROETHANE	20	UJ	Y
1,2-DICHLOROPROPANE	20	UJ	Y
1,3-DICHLOROBENZENE	20	UJ	Y
1,3-DICHLOROPROPANE	20	UJ	Y
1,4-DICHLOROBENZENE	20	UJ	Y
2,2-DICHLOROPROPANE	20	UJ	Y
2-BUTANONE	100	UR	C
2-CHLOROETHYL VINYL ETHER	20	UJ	Y
2-CHLOROTOLUENE	20	UJ	Y
2-HEXANONE	100	UJ	Y
4-CHLOROTOLUENE	20	UJ	Y
4-ISOPROPYLTOLUENE	20	UJ	Y
4-METHYL-2-PENTANONE	100	UJ	Y
ACETONE	36	B	A
BENZENE	20	UJ	Y
BROMOBENZENE	20	UJ	Y
BROMOCHLOROMETHANE	20	UJ	Y

nsample	SD-33-SSRA
samp_date	10/21/2005
lab_id	WV5605-18RA
qc_type	NM
units	UG/KG
Pct_Solids	24.5
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BROMODICHLOROMETHANE	20	UJ	Y
BROMOFORM	20	UJ	Y
BROMOMETHANE	41	UJ	Y
CARBON DISULFIDE	20	UJ	Y
CARBON TETRACHLORIDE	20	UJ	Y
CHLOROBENZENE	20	UJ	Y
CHLORODIBROMOMETHANE	20	UJ	Y
CHLOROETHANE	41	UJ	Y
CHLOROFORM	20	UJ	Y
CHLOROMETHANE	41	UJ	Y
CIS-1,2-DICHLOROETHENE	20	UJ	Y
CIS-1,3-DICHLOROPROPENE	20	UJ	Y
DIBROMOMETHANE	20	UJ	Y
DICHLORODIFLUOROMETHANE	41	UJ	Y
DIISOPROPYL ETHER	20	UJ	Y
ETHYL TERT-BUTYL ETHER	20	UJ	Y
ETHYLBENZENE	20	UJ	Y
HEXACHLOROBUTADIENE	20	UJ	Y
ISOPROPYLBENZENE	20	UJ	Y
M+P-XYLENES	41	UJ	Y
METHYL TERT-BUTYL ETHER	6	J	PY
METHYLENE CHLORIDE	14	B	A
NAPHTHALENE	20	UJ	Y
N-BUTYLBENZENE	20	UJ	Y
N-PROPYLBENZENE	20	UJ	Y
O-XYLENE	20	UJ	Y
SEC-BUTYLBENZENE	20	UJ	Y
STYRENE	20	UJ	Y
TERT-AMYL METHYL ETHER	20	UJ	Y
TERT-BUTYLBENZENE	20	UJ	Y
TERTIARY-BUTYL ALCOHOL	41	UR	C
TETRACHLOROETHENE	20	UJ	Y

nsample	SD-33-SSRA
samp_date	10/21/2005
lab_id	WV5605-18RA
qc_type	NM
units	UG/KG
Pct_Solids	24.5
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOLUENE	20	UJ	Y
TOTAL 1,2-DICHLOROETHENE	41	UJ	Y
TOTAL XYLENES	61	UJ	Y
TRANS-1,2-DICHLOROETHENE	20	UJ	Y
TRANS-1,3-DICHLOROPROPENE	20	UJ	Y
TRICHLOROETHENE	20	UJ	Y
TRICHLOROFLUOROMETHANE	41	UJ	Y
VINYL ACETATE	20	UJ	Y
VINYL CHLORIDE	41	UJ	Y

PROJ_NO: 00275

SDG: MID-6 MEDIA: SOIL DATA FRACTION: OV

nsample	SD-34-SS
samp_date	10/21/2005
lab_id	WV5605-19
qc_type	NM
units	UG/KG
Pct_Solids	39.3
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	13	UJ	R
1,1,1-TRICHLOROETHANE	13	UJ	R
1,1,2,2-TETRACHLOROETHANE	13	UJ	R
1,1,2-TRICHLOROTRIFLUOROETHANE	13	UJ	R
1,1-DICHLOROETHANE	13	UJ	R
1,1-DICHLOROETHENE	13	UJ	R
1,1-DICHLOROPROPENE	13	UJ	R
1,2,3-TRICHLOROBENZENE	13	UJ	R
1,2,3-TRICHLOROPROPANE	13	UJ	R
1,2,3-TRIMETHYLBENZENE	13	UJ	R
1,2,4-TRICHLOROBENZENE	13	UJ	R
1,2,4-TRIMETHYLBENZENE	13	UJ	R
1,2-DIBROMO-3-CHLOROPROPANE	13	UJ	R
1,2-DIBROMOETHANE	13	UJ	R
1,2-DICHLOROBENZENE	13	UJ	R
1,2-DICHLOROETHANE	13	UJ	R
1,2-DICHLOROPROPANE	13	UJ	R
1,3-DICHLOROBENZENE	13	UJ	R
1,3-DICHLOROPROPANE	13	UJ	R
1,4-DICHLOROBENZENE	13	UJ	R
2,2-DICHLOROPROPANE	13	UJ	R
2-BUTANONE	64	UJ	R
2-CHLOROETHYL VINYL ETHER	13	UJ	R
2-CHLOROTOLUENE	13	UJ	R
2-HEXANONE	64	UJ	R
4-CHLOROTOLUENE	13	UJ	R
4-ISOPROPYLTOLUENE	13	UJ	R
4-METHYL-2-PENTANONE	64	UJ	R
ACETONE	77	B	A
BENZENE	13	UJ	R
BROMOBENZENE	13	UJ	R
BROMOCHLOROMETHANE	13	UJ	R

nsample	SD-34-SS
samp_date	10/21/2005
lab_id	WV5605-19
qc_type	NM
units	UG/KG
Pct_Solids	39.3
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BROMODICHLOROMETHANE	13	UJ	R
BROMOFORM	13	UJ	R
BROMOMETHANE	25	UJ	R
CARBON DISULFIDE	13	UJ	R
CARBON TETRACHLORIDE	13	UJ	R
CHLOROBENZENE	13	UJ	R
CHLORODIBROMOMETHANE	13	UJ	R
CHLOROETHANE	25	UJ	R
CHLOROFORM	13	UJ	R
CHLOROMETHANE	25	UJ	R
CIS-1,2-DICHLOROETHENE	13	UJ	R
CIS-1,3-DICHLOROPROPENE	13	UJ	R
DIBROMOMETHANE	13	UJ	R
DICHLORODIFLUOROMETHANE	25	UJ	R
DIISOPROPYL ETHER	13	UJ	R
ETHYL TERT-BUTYL ETHER	13	UJ	R
ETHYLBENZENE	13	UJ	R
HEXACHLOROBUTADIENE	13	UJ	R
ISOPROPYLBENZENE	13	UJ	R
M+P-XYLENES	25	UJ	R
METHYL TERT-BUTYL ETHER	3	J	PR
METHYLENE CHLORIDE	13	UJ	R
NAPHTHALENE	13	UJ	R
N-BUTYLBENZENE	13	UJ	R
N-PROPYLBENZENE	13	UJ	R
O-XYLENE	13	UJ	R
SEC-BUTYLBENZENE	13	UJ	R
STYRENE	13	UJ	R
TERT-AMYL METHYL ETHER	13	UJ	R
TERT-BUTYLBENZENE	13	UJ	R
TERTIARY-BUTYL ALCOHOL	25	UR	C
TETRACHLOROETHENE	13	UJ	R

nsample	SD-34-SS
samp_date	10/21/2005
lab_id	WV5605-19
qc_type	NM
units	UG/KG
Pct_Solids	39.3
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOLUENE	13	UJ	R
TOTAL 1,2-DICHLOROETHENE	25	UJ	R
TOTAL XYLENES	38	UJ	R
TRANS-1,2-DICHLOROETHENE	13	UJ	R
TRANS-1,3-DICHLOROPROPENE	13	UJ	R
TRICHLOROETHENE	13	UJ	R
TRICHLOROFLUOROMETHANE	25	UJ	R
VINYL ACETATE	13	UJ	R
VINYL CHLORIDE	25	UJ	R

PROJ_NO: 00275

SDG: MID-6 MEDIA: SOIL DATA FRACTION: OV

nsample	SD-35-SSRA2
samp_date	10/21/2005
lab_id	WV5605-20RA2
qc_type	NM
units	UG/KG
Pct_Solids	26.6
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	19	UJ	RY
1,1,1-TRICHLOROETHANE	19	UJ	RY
1,1,2,2-TETRACHLOROETHANE	19	UJ	RY
1,1,2-TRICHLOROTRIFLUOROETHANE	19	UJ	RY
1,1-DICHLOROETHANE	19	UJ	RY
1,1-DICHLOROETHENE	19	UJ	RY
1,1-DICHLOROPROPENE	19	UJ	RY
1,2,3-TRICHLOROBENZENE	19	UJ	RY
1,2,3-TRICHLOROPROPANE	19	UJ	RY
1,2,3-TRIMETHYLBENZENE	19	UJ	RY
1,2,4-TRICHLOROBENZENE	19	UJ	RY
1,2,4-TRIMETHYLBENZENE	19	UJ	RY
1,2-DIBROMO-3-CHLOROPROPANE	19	UJ	RY
1,2-DIBROMOETHANE	19	UJ	RY
1,2-DICHLOROBENZENE	19	UJ	RY
1,2-DICHLOROETHANE	19	UJ	RY
1,2-DICHLOROPROPANE	19	UJ	RY
1,3-DICHLOROBENZENE	19	UJ	RY
1,3-DICHLOROPROPANE	19	UJ	RY
1,4-DICHLOROBENZENE	19	UJ	RY
2,2-DICHLOROPROPANE	19	UJ	RY
2-BUTANONE	96	UR	C
2-CHLOROETHYL VINYL ETHER	19	UJ	RY
2-CHLOROTOLUENE	19	UJ	RY
2-HEXANONE	96	UJ	RY
4-CHLOROTOLUENE	19	UJ	RY
4-ISOPROPYLTOLUENE	19	UJ	RY
4-METHYL-2-PENTANONE	96	UJ	RY
ACETONE	40	B	A
BENZENE	19	UJ	RY
BROMOBENZENE	19	UJ	RY
BROMOCHLOROMETHANE	19	UJ	RY

nsample	SD-35-SSRA2
samp_date	10/21/2005
lab_id	WV5605-20RA2
qc_type	NM
units	UG/KG
Pct_Solids	26.6
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BROMODICHLOROMETHANE	19	UJ	RY
BROMOFORM	19	UJ	RY
BROMOMETHANE	38	UJ	RY
CARBON DISULFIDE	19	UJ	RY
CARBON TETRACHLORIDE	19	UJ	RY
CHLOROBENZENE	19	UJ	RY
CHLORODIBROMOMETHANE	19	UJ	RY
CHLOROETHANE	38	UJ	RY
CHLOROFORM	19	UJ	RY
CHLOROMETHANE	13	J	PRY
CIS-1,2-DICHLOROETHENE	19	UJ	RY
CIS-1,3-DICHLOROPROPENE	19	UJ	RY
DIBROMOMETHANE	19	UJ	RY
DICHLORODIFLUOROMETHANE	38	UJ	RY
DIISOPROPYL ETHER	19	UJ	RY
ETHYL TERT-BUTYL ETHER	19	UJ	RY
ETHYLBENZENE	19	UJ	RY
HEXACHLOROBUTADIENE	19	UJ	RY
ISOPROPYLBENZENE	19	UJ	RY
M+P-XYLENES	38	UJ	RY
METHYL TERT-BUTYL ETHER	6	J	PRY
METHYLENE CHLORIDE	11	B	A
NAPHTHALENE	19	UJ	RY
N-BUTYLBENZENE	19	UJ	RY
N-PROPYLBENZENE	19	UJ	RY
O-XYLENE	19	UJ	RY
SEC-BUTYLBENZENE	19	UJ	RY
STYRENE	19	UJ	RY
TERT-AMYL METHYL ETHER	19	UJ	RY
TERT-BUTYLBENZENE	19	UJ	RY
TERTIARY-BUTYL ALCOHOL	38	UR	C
TETRACHLOROETHENE	19	UJ	RY

nsample	SD-35-SSRA2
samp_date	10/21/2005
lab_id	WV5605-20RA2
qc_type	NM
units	UG/KG
Pct_Solids	26.6
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOLUENE	19	UJ	RY
TOTAL 1,2-DICHLOROETHENE	38	UJ	RY
TOTAL XYLENES	58	UJ	RY
TRANS-1,2-DICHLOROETHENE	19	UJ	RY
TRANS-1,3-DICHLOROPROPENE	19	UJ	RY
TRICHLOROETHENE	19	UJ	RY
TRICHLOROFLUOROMETHANE	38	UJ	RY
VINYL ACETATE	19	UJ	RY
VINYL CHLORIDE	38	UJ	RY

PROJ_NO: 00275

SDG: MID-6 MEDIA: SOIL DATA FRACTION: OS

nsample	SD-24-SS	nsample	SD-24-SS	nsample	SD-24-SS
samp_date	10/21/2005	samp_date	10/21/2005	samp_date	10/21/2005
lab_id	WV5605-1	lab_id	WV5605-1	lab_id	WV5605-1
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	68.5	Pct_Solids	68.5	Pct_Solids	68.5
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	480	U	
1,2-DICHLOROBENZENE	480	U	
1,3-DICHLOROBENZENE	480	U	
1,4-DICHLOROBENZENE	480	U	
1,4-DIOXANE	480	U	
1-METHYLNAPHTHALENE	480	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	480	U	
2,4,5-TRICHLOROPHENOL	1200	U	
2,4,6-TRICHLOROPHENOL	480	U	
2,4-DICHLOROPHENOL	480	U	
2,4-DIMETHYLPHENOL	480	U	
2,4-DINITROPHENOL	1200	U	
2,4-DINITROTOLUENE	480	U	
2,6-DINITROTOLUENE	480	U	
2-CHLORONAPHTHALENE	480	U	
2-CHLOROPHENOL	480	U	
2-METHYLNAPHTHALENE	480	U	
2-METHYLPHENOL	480	U	
2-NITROANILINE	1200	U	
2-NITROPHENOL	480	U	
3&4-METHYLPHENOL	480	U	
3,3'-DICHLOROBENZIDINE	480	UJ	N
3-NITROANILINE	1200	U	
4,6-DINITRO-2-METHYLPHENOL	1200	U	
4-BROMOPHENYL PHENYL ETHER	480	U	
4-CHLORO-3-METHYLPHENOL	480	U	
4-CHLOROANILINE	480	U	
4-CHLOROPHENYL PHENYL ETHER	480	U	
4-NITROANILINE	1200	U	
4-NITROPHENOL	1200	U	
ACENAPHTHENE	480	U	
ACENAPHTHYLENE	480	U	

Parameter	Result	Val Qual	Qual Code
ANILINE	480	U	
ANTHRACENE	480	U	
AZOBENZENE	480	U	
BENZIDINE	1200	UJ	N
BENZO(A)ANTHRACENE	370	J	NP
BENZO(A)PYRENE	350	J	NP
BENZO(B)FLUORANTHENE	570	J	N
BENZO(G,H,I)PERYLENE	230	J	NP
BENZO(K)FLUORANTHENE	210	J	NP
BENZOIC ACID	1200	U	
BENZYL ALCOHOL	480	U	
BIS(2-CHLOROETHOXY)METHANE	480	U	
BIS(2-CHLOROETHYL)ETHER	480	U	
BIS(2-ETHYLHEXYL)PHTHALATE	450	J	NP
BUTYL BENZYL PHTHALATE	120	J	NP
CARBAZOLE	480	U	
CHRYSENE	480	J	NP
DIBENZO(A,H)ANTHRACENE	480	UJ	N
DIBENZOFURAN	480	U	
DIETHYL PHTHALATE	480	U	
DIMETHYL PHTHALATE	480	U	
DI-N-BUTYL PHTHALATE	480	U	
DI-N-OCTYL PHTHALATE	480	UJ	N
FLUORANTHENE	440	J	P
FLUORENE	480	U	
HEXACHLOROBENZENE	480	U	
HEXACHLOROBUTADIENE	480	U	
HEXACHLOROCYCLOPENTADIENE	480	U	
HEXACHLOROETHANE	480	U	
INDENO(1,2,3-CD)PYRENE	240	J	NP
ISOPHORONE	480	U	
NAPHTHALENE	480	U	

Parameter	Result	Val Qual	Qual Code
NITROBENZENE	480	U	
N-NITROSODIMETHYLAMINE	480	U	
N-NITROSO-DI-N-PROPYLAMINE	480	U	
N-NITROSODIPHENYLAMINE	480	U	
PENTACHLOROPHENOL	1200	U	
PHENANTHRENE	240	J	P
PHENOL	480	U	
PYRENE	990	J	N
PYRIDINE	480	U	

PROJ_NO: 00275

SDG: MID-6 MEDIA: SOIL DATA FRACTION: OS

nsample	SD-25-SS
samp_date	10/21/2005
lab_id	WV5605-2
qc_type	NM
units	UG/KG
Pct_Solids	42.5
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	780	U	
1,2-DICHLOROBENZENE	780	U	
1,3-DICHLOROBENZENE	780	U	
1,4-DICHLOROBENZENE	96	J	P
1,4-DIOXANE	780	U	
1-METHYLNAPHTHALENE	780	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	780	U	
2,4,5-TRICHLOROPHENOL	1900	U	
2,4,6-TRICHLOROPHENOL	780	U	
2,4-DICHLOROPHENOL	780	U	
2,4-DIMETHYLPHENOL	780	U	
2,4-DINITROPHENOL	1900	U	
2,4-DINITROTOLUENE	780	U	
2,6-DINITROTOLUENE	780	U	
2-CHLORONAPHTHALENE	780	U	
2-CHLOROPHENOL	780	U	
2-METHYLNAPHTHALENE	780	U	
2-METHYLPHENOL	780	U	
2-NITROANILINE	1900	U	
2-NITROPHENOL	780	U	
3&4-METHYLPHENOL	780	U	
3,3'-DICHLOROBENZIDINE	780	U	
3-NITROANILINE	1900	U	
4,6-DINITRO-2-METHYLPHENOL	1900	U	
4-BROMOPHENYL PHENYL ETHER	780	U	
4-CHLORO-3-METHYLPHENOL	780	U	
4-CHLOROANILINE	780	U	
4-CHLOROPHENYL PHENYL ETHER	780	U	
4-NITROANILINE	1900	U	
4-NITROPHENOL	1900	U	
ACENAPHTHENE	160	J	P
ACENAPHTHYLENE	780	U	

nsample	SD-25-SS
samp_date	10/21/2005
lab_id	WV5605-2
qc_type	NM
units	UG/KG
Pct_Solids	42.5
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANILINE	780	U	
ANTHRACENE	150	J	P
AZOBENZENE	780	U	
BENZIDINE	1900	U	
BENZO(A)ANTHRACENE	330	J	P
BENZO(A)PYRENE	370	J	NP
BENZO(B)FLUORANTHENE	570	J	NP
BENZO(G,H,I)PERYLENE	780	UJ	N
BENZO(K)FLUORANTHENE	780	UJ	N
BENZOIC ACID	1900	U	
BENZYL ALCOHOL	780	UJ	C
BIS(2-CHLOROETHOXY)METHANE	780	U	
BIS(2-CHLOROETHYL)ETHER	780	U	
BIS(2-ETHYLHEXYL)PHTHALATE	300	J	P
BUTYL BENZYL PHTHALATE	780	U	
CARBAZOLE	780	U	
CHRYSENE	490	J	P
DIBENZO(A,H)ANTHRACENE	780	UJ	N
DIBENZOFURAN	780	U	
DIETHYL PHTHALATE	780	U	
DIMETHYL PHTHALATE	780	U	
DI-N-BUTYL PHTHALATE	780	U	
DI-N-OCTYL PHTHALATE	780	UJ	N
FLUORANTHENE	500	J	P
FLUORENE	780	U	
HEXACHLOROBENZENE	780	U	
HEXACHLOROBUTADIENE	780	U	
HEXACHLOROCYCLOPENTADIENE	780	UR	D
HEXACHLOROETHANE	780	U	
INDENO(1,2,3-CD)PYRENE	320	J	NP
ISOPHORONE	780	U	
NAPHTHALENE	780	U	

nsample	SD-25-SS
samp_date	10/21/2005
lab_id	WV5605-2
qc_type	NM
units	UG/KG
Pct_Solids	42.5
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
NITROBENZENE	780	U	
N-NITROSODIMETHYLAMINE	780	U	
N-NITROSO-DI-N-PROPYLAMINE	780	U	
N-NITROSODIPHENYLAMINE	780	U	
PENTACHLOROPHENOL	1900	U	
PHENANTHRENE	240	J	P
PHENOL	780	U	
PYRENE	860		
PYRIDINE	780	U	

PROJ_NO: 00275

SDG: MID-6 MEDIA: SOIL DATA FRACTION: OS

nsample	SD-26-SS	nsample	SD-26-SS	nsample	SD-26-SS
samp_date	10/21/2005	samp_date	10/21/2005	samp_date	10/21/2005
lab_id	WV5605-3	lab_id	WV5605-3	lab_id	WV5605-3
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	22.3	Pct_Solids	22.3	Pct_Solids	22.3
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	1500	UJ	Y
1,2-DICHLOROBENZENE	1500	UJ	Y
1,3-DICHLOROBENZENE	1500	UJ	Y
1,4-DICHLOROBENZENE	160	J	PY
1,4-DIOXANE	1500	UJ	Y
1-METHYLNAPHTHALENE	1500	UJ	Y
2,2'-OXYBIS(1-CHLOROPROPANE)	1500	UJ	Y
2,4,5-TRICHLOROPHENOL	3700	UJ	Y
2,4,6-TRICHLOROPHENOL	1500	UJ	Y
2,4-DICHLOROPHENOL	1500	UJ	Y
2,4-DIMETHYLPHENOL	1500	UJ	Y
2,4-DINITROPHENOL	3700	UJ	Y
2,4-DINITROTOLUENE	1500	UJ	Y
2,6-DINITROTOLUENE	1500	UJ	Y
2-CHLORONAPHTHALENE	1500	UJ	Y
2-CHLOROPHENOL	1500	UJ	Y
2-METHYLNAPHTHALENE	1500	UJ	Y
2-METHYLPHENOL	1500	UJ	Y
2-NITROANILINE	3700	UJ	Y
2-NITROPHENOL	1500	UJ	Y
3&4-METHYLPHENOL	1500	UJ	Y
3,3'-DICHLOROBENZIDINE	1500	UJ	Y
3-NITROANILINE	3700	UJ	Y
4,6-DINITRO-2-METHYLPHENOL	3700	UJ	Y
4-BROMOPHENYL PHENYL ETHER	1500	UJ	Y
4-CHLORO-3-METHYLPHENOL	1500	UJ	Y
4-CHLOROANILINE	1500	UJ	Y
4-CHLOROPHENYL PHENYL ETHER	1500	UJ	Y
4-NITROANILINE	3700	UJ	Y
4-NITROPHENOL	3700	UJ	Y
ACENAPHTHENE	1500	UJ	Y
ACENAPHTHYLENE	1500	UJ	Y

Parameter	Result	Val Qual	Qual Code
ANILINE	1500	UJ	Y
ANTHRACENE	1500	UJ	Y
AZOBENZENE	1500	UJ	Y
BENZIDINE	3700	UJ	Y
BENZO(A)ANTHRACENE	330	J	PY
BENZO(A)PYRENE	450	J	PY
BENZO(B)FLUORANTHENE	780	J	PY
BENZO(G,H,I)PERYLENE	1500	UJ	Y
BENZO(K)FLUORANTHENE	310	J	PY
BENZOIC ACID	3700	UJ	Y
BENZYL ALCOHOL	1500	UJ	Y
BIS(2-CHLOROETHOXY)METHANE	1500	UJ	Y
BIS(2-CHLOROETHYL)ETHER	1500	UJ	Y
BIS(2-ETHYLHEXYL)PHTHALATE	1500	J	Y
BUTYL BENZYL PHTHALATE	1500	UJ	Y
CARBAZOLE	1500	UJ	Y
CHRYSENE	530	J	PY
DIBENZO(A,H)ANTHRACENE	1500	UJ	Y
DIBENZOFURAN	1500	UJ	Y
DIETHYL PHTHALATE	1500	UJ	Y
DIMETHYL PHTHALATE	1500	UJ	Y
DI-N-BUTYL PHTHALATE	1500	UJ	Y
DI-N-OCTYL PHTHALATE	1500	UJ	Y
FLUORANTHENE	780	J	PY
FLUORENE	1500	UJ	Y
HEXACHLOROBENZENE	1500	UJ	Y
HEXACHLOROBUTADIENE	1500	UJ	Y
HEXACHLOROCYCLOPENTADIENE	1500	UJ	Y
HEXACHLOROETHANE	1500	UJ	Y
INDENO(1,2,3-CD)PYRENE	1500	UJ	Y
ISOPHORONE	1500	UJ	Y
NAPHTHALENE	1500	UJ	Y

Parameter	Result	Val Qual	Qual Code
NITROBENZENE	1500	UJ	Y
N-NITROSODIMETHYLAMINE	1500	UJ	Y
N-NITROSO-DI-N-PROPYLAMINE	1500	UJ	Y
N-NITROSODIPHENYLAMINE	1500	UJ	Y
PENTACHLOROPHENOL	3700	UJ	Y
PHENANTHRENE	360	J	PY
PHENOL	1500	UJ	Y
PYRENE	1200	J	PY
PYRIDINE	1500	UJ	Y

PROJ_NO: 00275

SDG: MID-6 MEDIA: SOIL DATA FRACTION: OS

nsample	SD-27-01
samp_date	10/21/2005
lab_id	WV5605-5
qc_type	NM
units	UG/KG
Pct_Solids	35.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	940	U	
1,2-DICHLOROBENZENE	940	U	
1,3-DICHLOROBENZENE	940	U	
1,4-DICHLOROBENZENE	940	U	
1,4-DIOXANE	940	U	
1-METHYLNAPHTHALENE	940	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	940	U	
2,4,5-TRICHLOROPHENOL	2300	U	
2,4,6-TRICHLOROPHENOL	940	U	
2,4-DICHLOROPHENOL	940	U	
2,4-DIMETHYLPHENOL	940	U	
2,4-DINITROPHENOL	2300	U	
2,4-DINITROTOLUENE	940	U	
2,6-DINITROTOLUENE	940	U	
2-CHLORONAPHTHALENE	940	U	
2-CHLOROPHENOL	940	U	
2-METHYLNAPHTHALENE	940	U	
2-METHYLPHENOL	940	U	
2-NITROANILINE	2300	U	
2-NITROPHENOL	940	U	
3&4-METHYLPHENOL	940	U	
3,3'-DICHLOROBENZIDINE	940	U	
3-NITROANILINE	2300	U	
4,6-DINITRO-2-METHYLPHENOL	2300	U	
4-BROMOPHENYL PHENYL ETHER	940	U	
4-CHLORO-3-METHYLPHENOL	940	U	
4-CHLOROANILINE	940	U	
4-CHLOROPHENYL PHENYL ETHER	940	U	
4-NITROANILINE	2300	U	
4-NITROPHENOL	2300	U	
ACENAPHTHENE	940	U	
ACENAPHTHYLENE	940	U	

nsample	SD-27-01
samp_date	10/21/2005
lab_id	WV5605-5
qc_type	NM
units	UG/KG
Pct_Solids	35.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANILINE	940	U	
ANTHRACENE	940	U	
AZOBENZENE	940	U	
BENZIDINE	2300	U	
BENZO(A)ANTHRACENE	580	J	P
BENZO(A)PYRENE	670	J	P
BENZO(B)FLUORANTHENE	890	J	P
BENZO(G,H,I)PERYLENE	590	J	P
BENZO(K)FLUORANTHENE	360	J	P
BENZOIC ACID	2300	U	
BENZYL ALCOHOL	940	U	
BIS(2-CHLOROETHOXY)METHANE	940	U	
BIS(2-CHLOROETHYL)ETHER	940	U	
BIS(2-ETHYLHEXYL)PHTHALATE	520	J	P
BUTYL BENZYL PHTHALATE	940	U	
CARBAZOLE	940	U	
CHRYSENE	750	J	P
DIBENZO(A,H)ANTHRACENE	940	U	
DIBENZOFURAN	940	U	
DIETHYL PHTHALATE	940	U	
DIMETHYL PHTHALATE	940	U	
DI-N-BUTYL PHTHALATE	940	U	
DI-N-OCTYL PHTHALATE	940	U	
FLUORANTHENE	1100		
FLUORENE	940	U	
HEXACHLOROBENZENE	940	U	
HEXACHLOROBUTADIENE	940	U	
HEXACHLOROCYCLOPENTADIENE	940	U	
HEXACHLOROETHANE	940	U	
INDENO(1,2,3-CD)PYRENE	600	J	P
ISOPHORONE	940	U	
NAPHTHALENE	940	U	

nsample	SD-27-01
samp_date	10/21/2005
lab_id	WV5605-5
qc_type	NM
units	UG/KG
Pct_Solids	35.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
NITROBENZENE	940	U	
N-NITROSODIMETHYLAMINE	940	U	
N-NITROSO-DI-N-PROPYLAMINE	940	U	
N-NITROSODIPHENYLAMINE	940	U	
PENTACHLOROPHENOL	2300	U	
PHENANTHRENE	580	J	P
PHENOL	940	U	
PYRENE	1600		
PYRIDINE	940	U	

PROJ_NO: 00275

SDG: MID-6 MEDIA: SOIL DATA FRACTION: OS

nsample	SD-27-02
samp_date	10/21/2005
lab_id	WV5605-6
qc_type	NM
units	UG/KG
Pct_Solids	72.3
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	460	U	
1,2-DICHLOROBENZENE	460	U	
1,3-DICHLOROBENZENE	460	U	
1,4-DICHLOROBENZENE	460	U	
1,4-DIOXANE	460	U	
1-METHYLNAPHTHALENE	460	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	460	U	
2,4,5-TRICHLOROPHENOL	1100	U	
2,4,6-TRICHLOROPHENOL	460	U	
2,4-DICHLOROPHENOL	460	U	
2,4-DIMETHYLPHENOL	460	U	
2,4-DINITROPHENOL	1100	U	
2,4-DINITROTOLUENE	460	U	
2,6-DINITROTOLUENE	460	U	
2-CHLORONAPHTHALENE	460	U	
2-CHLOROPHENOL	460	U	
2-METHYLNAPHTHALENE	460	U	
2-METHYLPHENOL	460	U	
2-NITROANILINE	1100	U	
2-NITROPHENOL	460	U	
3&4-METHYLPHENOL	460	U	
3,3'-DICHLOROBENZIDINE	460	U	
3-NITROANILINE	1100	U	
4,6-DINITRO-2-METHYLPHENOL	1100	U	
4-BROMOPHENYL PHENYL ETHER	460	U	
4-CHLORO-3-METHYLPHENOL	460	U	
4-CHLOROANILINE	460	U	
4-CHLOROPHENYL PHENYL ETHER	460	U	
4-NITROANILINE	1100	U	
4-NITROPHENOL	1100	U	
ACENAPHTHENE	460	U	
ACENAPHTHYLENE	460	U	

nsample	SD-27-02
samp_date	10/21/2005
lab_id	WV5605-6
qc_type	NM
units	UG/KG
Pct_Solids	72.3
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANILINE	460	U	
ANTHRACENE	460	U	
AZOBENZENE	460	U	
BENZIDINE	1100	U	
BENZO(A)ANTHRACENE	460	U	
BENZO(A)PYRENE	460	U	
BENZO(B)FLUORANTHENE	460	U	
BENZO(G,H,I)PERYLENE	460	U	
BENZO(K)FLUORANTHENE	460	U	
BENZOIC ACID	1100	U	
BENZYL ALCOHOL	460	U	
BIS(2-CHLOROETHOXY)METHANE	460	U	
BIS(2-CHLOROETHYL)ETHER	460	U	
BIS(2-ETHYLHEXYL)PHTHALATE	460	U	
BUTYL BENZYL PHTHALATE	460	U	
CARBAZOLE	460	U	
CHRYSENE	460	U	
DIBENZO(A,H)ANTHRACENE	460	U	
DIBENZOFURAN	460	U	
DIETHYL PHTHALATE	460	U	
DIMETHYL PHTHALATE	460	U	
DI-N-BUTYL PHTHALATE	460	U	
DI-N-OCTYL PHTHALATE	460	U	
FLUORANTHENE	460	U	
FLUORENE	460	U	
HEXACHLOROBENZENE	460	U	
HEXACHLOROBUTADIENE	460	U	
HEXACHLOROCYCLOPENTADIENE	460	U	
HEXACHLOROETHANE	460	U	
INDENO(1,2,3-CD)PYRENE	460	U	
ISOPHORONE	460	U	
NAPHTHALENE	460	U	

nsample	SD-27-02
samp_date	10/21/2005
lab_id	WV5605-6
qc_type	NM
units	UG/KG
Pct_Solids	72.3
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
NITROBENZENE	460	U	
N-NITROSODIMETHYLAMINE	460	U	
N-NITROSO-DI-N-PROPYLAMINE	460	U	
N-NITROSODIPHENYLAMINE	460	U	
PENTACHLOROPHENOL	1100	U	
PHENANTHRENE	460	U	
PHENOL	460	U	
PYRENE	460	U	
PYRIDINE	460	U	

PROJ_NO: 00275

SDG: MID-6 MEDIA: SOIL DATA FRACTION: OS

nsample	SD-27-SS	nsample	SD-27-SS	nsample	SD-27-SS
samp_date	10/21/2005	samp_date	10/21/2005	samp_date	10/21/2005
lab_id	WV5605-4	lab_id	WV5605-4	lab_id	WV5605-4
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	35.3	Pct_Solids	35.3	Pct_Solids	35.3
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	940	U	
1,2-DICHLOROBENZENE	940	U	
1,3-DICHLOROBENZENE	420	J	P
1,4-DICHLOROBENZENE	850	J	P
1,4-DIOXANE	940	U	
1-METHYLNAPHTHALENE	940	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	940	U	
2,4,5-TRICHLOROPHENOL	2300	U	
2,4,6-TRICHLOROPHENOL	940	U	
2,4-DICHLOROPHENOL	940	U	
2,4-DIMETHYLPHENOL	940	U	
2,4-DINITROPHENOL	2300	U	
2,4-DINITROTOLUENE	940	U	
2,6-DINITROTOLUENE	940	U	
2-CHLORONAPHTHALENE	940	U	
2-CHLOROPHENOL	940	U	
2-METHYLNAPHTHALENE	940	U	
2-METHYLPHENOL	940	U	
2-NITROANILINE	2300	U	
2-NITROPHENOL	940	U	
3&4-METHYLPHENOL	940	U	
3,3'-DICHLOROBENZIDINE	940	U	
3-NITROANILINE	2300	U	
4,6-DINITRO-2-METHYLPHENOL	2300	U	
4-BROMOPHENYL PHENYL ETHER	940	U	
4-CHLORO-3-METHYLPHENOL	940	U	
4-CHLOROANILINE	940	U	
4-CHLOROPHENYL PHENYL ETHER	940	U	
4-NITROANILINE	2300	U	
4-NITROPHENOL	2300	U	
ACENAPHTHENE	250	J	P
ACENAPHTHYLENE	940	U	

Parameter	Result	Val Qual	Qual Code
ANILINE	940	U	
ANTHRACENE	300	J	P
AZOBENZENE	940	U	
BENZIDINE	2300	U	
BENZO(A)ANTHRACENE	980		
BENZO(A)PYRENE	990	J	N
BENZO(B)FLUORANTHENE	1400	J	N
BENZO(G,H,I)PERYLENE	730	J	NP
BENZO(K)FLUORANTHENE	240	J	NP
BENZOIC ACID	2300	U	
BENZYL ALCOHOL	940	UJ	C
BIS(2-CHLOROETHOXY)METHANE	940	U	
BIS(2-CHLOROETHYL)ETHER	940	U	
BIS(2-ETHYLHEXYL)PHTHALATE	630	J	P
BUTYL BENZYL PHTHALATE	940	U	
CARBAZOLE	180	J	P
CHRYSENE	1400		
DIBENZO(A,H)ANTHRACENE	940	UJ	N
DIBENZOFURAN	940	U	
DIETHYL PHTHALATE	940	U	
DIMETHYL PHTHALATE	940	U	
DI-N-BUTYL PHTHALATE	940	U	
DI-N-OCTYL PHTHALATE	940	UJ	N
FLUORANTHENE	1500		
FLUORENE	180	J	P
HEXACHLOROBENZENE	940	U	
HEXACHLOROBUTADIENE	940	U	
HEXACHLOROCYCLOPENTADIENE	940	UR	D
HEXACHLOROETHANE	940	U	
INDENO(1,2,3-CD)PYRENE	740	J	NP
ISOPHORONE	940	U	
NAPHTHALENE	940	U	

Parameter	Result	Val Qual	Qual Code
NITROBENZENE	940	U	
N-NITROSODIMETHYLAMINE	940	U	
N-NITROSO-DI-N-PROPYLAMINE	940	U	
N-NITROSODIPHENYLAMINE	940	U	
PENTACHLOROPHENOL	2300	U	
PHENANTHRENE	850	J	P
PHENOL	940	U	
PYRENE	2500		
PYRIDINE	940	U	

PROJ_NO: 00275

SDG: MID-6 MEDIA: SOIL DATA FRACTION: OS

nsample	SD-28-01	nsample	SD-28-01	nsample	SD-28-01
samp_date	10/21/2005	samp_date	10/21/2005	samp_date	10/21/2005
lab_id	WV5605-8	lab_id	WV5605-8	lab_id	WV5605-8
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	38.6	Pct_Solids	38.6	Pct_Solids	38.6
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	850	U	
1,2-DICHLOROBENZENE	850	U	
1,3-DICHLOROBENZENE	850	U	
1,4-DICHLOROBENZENE	100	J	P
1,4-DIOXANE	850	U	
1-METHYLNAPHTHALENE	850	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	850	U	
2,4,5-TRICHLOROPHENOL	2100	U	
2,4,6-TRICHLOROPHENOL	850	U	
2,4-DICHLOROPHENOL	850	U	
2,4-DIMETHYLPHENOL	850	U	
2,4-DINITROPHENOL	2100	U	
2,4-DINITROTOLUENE	850	U	
2,6-DINITROTOLUENE	850	U	
2-CHLORONAPHTHALENE	850	U	
2-CHLOROPHENOL	850	U	
2-METHYLNAPHTHALENE	850	U	
2-METHYLPHENOL	850	U	
2-NITROANILINE	2100	U	
2-NITROPHENOL	850	U	
3&4-METHYLPHENOL	850	U	
3,3'-DICHLOROBENZIDINE	850	U	
3-NITROANILINE	2100	U	
4,6-DINITRO-2-METHYLPHENOL	2100	U	
4-BROMOPHENYL PHENYL ETHER	850	U	
4-CHLORO-3-METHYLPHENOL	850	U	
4-CHLOROANILINE	850	U	
4-CHLOROPHENYL PHENYL ETHER	850	U	
4-NITROANILINE	2100	U	
4-NITROPHENOL	2100	U	
ACENAPHTHENE	710	J	P
ACENAPHTHYLENE	850	U	

Parameter	Result	Val Qual	Qual Code
ANILINE	850	U	
ANTHRACENE	1400		
AZOBENZENE	850	U	
BENZIDINE	2100	U	
BENZO(A)ANTHRACENE	5100		
BENZO(A)PYRENE	4200		
BENZO(B)FLUORANTHENE	5400		
BENZO(G,H,I)PERYLENE	2300		
BENZO(K)FLUORANTHENE	2500		
BENZOIC ACID	2100	U	
BENZYL ALCOHOL	850	U	
BIS(2-CHLOROETHOXY)METHANE	850	U	
BIS(2-CHLOROETHYL)ETHER	850	U	
BIS(2-ETHYLHEXYL)PHTHALATE	850	U	
BUTYL BENZYL PHTHALATE	850	U	
CARBAZOLE	760	J	P
CHRYSENE	5200		
DIBENZO(A,H)ANTHRACENE	700	J	P
DIBENZOFURAN	270	J	P
DIETHYL PHTHALATE	850	U	
DIMETHYL PHTHALATE	850	U	
DI-N-BUTYL PHTHALATE	850	U	
DI-N-OCTYL PHTHALATE	850	U	
FLUORANTHENE	9300		
FLUORENE	550	J	P
HEXACHLOROBENZENE	850	U	
HEXACHLOROBUTADIENE	850	U	
HEXACHLOROCYCLOPENTADIENE	850	U	
HEXACHLOROETHANE	850	U	
INDENO(1,2,3-CD)PYRENE	3000		
ISOPHORONE	850	U	
NAPHTHALENE	240	J	P

Parameter	Result	Val Qual	Qual Code
NITROBENZENE	850	U	
N-NITROSODIMETHYLAMINE	850	U	
N-NITROSO-DI-N-PROPYLAMINE	850	U	
N-NITROSODIPHENYLAMINE	850	U	
PENTACHLOROPHENOL	2100	U	
PHENANTHRENE	4900		
PHENOL	850	U	
PYRENE	10000		
PYRIDINE	850	U	

PROJ_NO: 00275

SDG: MID-6 MEDIA: SOIL DATA FRACTION: OS

nsample	SD-28-02	nsample	SD-28-02	nsample	SD-28-02
samp_date	10/21/2005	samp_date	10/21/2005	samp_date	10/21/2005
lab_id	WV5605-9	lab_id	WV5605-9	lab_id	WV5605-9
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	44.3	Pct_Solids	44.3	Pct_Solids	44.3
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	740	U	
1,2-DICHLOROBENZENE	740	U	
1,3-DICHLOROBENZENE	740	U	
1,4-DICHLOROBENZENE	740	U	
1,4-DIOXANE	740	U	
1-METHYLNAPHTHALENE	740	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	740	U	
2,4,5-TRICHLOROPHENOL	1800	U	
2,4,6-TRICHLOROPHENOL	740	U	
2,4-DICHLOROPHENOL	740	U	
2,4-DIMETHYLPHENOL	740	U	
2,4-DINITROPHENOL	1800	U	
2,4-DINITROTOLUENE	740	U	
2,6-DINITROTOLUENE	740	U	
2-CHLORONAPHTHALENE	740	U	
2-CHLOROPHENOL	740	U	
2-METHYLNAPHTHALENE	740	U	
2-METHYLPHENOL	740	U	
2-NITROANILINE	1800	U	
2-NITROPHENOL	740	U	
3&4-METHYLPHENOL	740	U	
3,3'-DICHLOROBENZIDINE	740	U	
3-NITROANILINE	1800	U	
4,6-DINITRO-2-METHYLPHENOL	1800	U	
4-BROMOPHENYL PHENYL ETHER	740	U	
4-CHLORO-3-METHYLPHENOL	740	U	
4-CHLOROANILINE	740	U	
4-CHLOROPHENYL PHENYL ETHER	740	U	
4-NITROANILINE	1800	U	
4-NITROPHENOL	1800	U	
ACENAPHTHENE	740	U	
ACENAPHTHYLENE	740	U	

Parameter	Result	Val Qual	Qual Code
ANILINE	740	U	
ANTHRACENE	740	U	
AZOBENZENE	740	U	
BENZIDINE	1800	U	
BENZO(A)ANTHRACENE	740	U	
BENZO(A)PYRENE	740	U	
BENZO(B)FLUORANTHENE	740	U	
BENZO(G,H,I)PERYLENE	740	U	
BENZO(K)FLUORANTHENE	740	U	
BENZOIC ACID	1800	U	
BENZYL ALCOHOL	740	U	
BIS(2-CHLOROETHOXY)METHANE	740	U	
BIS(2-CHLOROETHYL)ETHER	740	U	
BIS(2-ETHYLHEXYL)PHTHALATE	740	U	
BUTYL BENZYL PHTHALATE	740	U	
CARBAZOLE	740	U	
CHRYSENE	740	U	
DIBENZO(A,H)ANTHRACENE	740	U	
DIBENZOFURAN	740	U	
DIETHYL PHTHALATE	740	U	
DIMETHYL PHTHALATE	740	U	
DI-N-BUTYL PHTHALATE	740	U	
DI-N-OCTYL PHTHALATE	740	U	
FLUORANTHENE	740	U	
FLUORENE	740	U	
HEXACHLOROBENZENE	740	U	
HEXACHLOROBUTADIENE	740	U	
HEXACHLOROCYCLOPENTADIENE	740	U	
HEXACHLOROETHANE	740	U	
INDENO(1,2,3-CD)PYRENE	740	U	
ISOPHORONE	740	U	
NAPHTHALENE	740	U	

Parameter	Result	Val Qual	Qual Code
NITROBENZENE	740	U	
N-NITROSODIMETHYLAMINE	740	U	
N-NITROSO-DI-N-PROPYLAMINE	740	U	
N-NITROSODIPHENYLAMINE	740	U	
PENTACHLOROPHENOL	1800	U	
PHENANTHRENE	740	U	
PHENOL	740	U	
PYRENE	740	U	
PYRIDINE	740	U	

PROJ_NO: 00275

SDG: MID-6 MEDIA: SOIL DATA FRACTION: OS

nsample	SD-28-SS	nsample	SD-28-SS	nsample	SD-28-SS
samp_date	10/21/2005	samp_date	10/21/2005	samp_date	10/21/2005
lab_id	WV5605-7	lab_id	WV5605-7	lab_id	WV5605-7
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	28.9	Pct_Solids	28.9	Pct_Solids	28.9
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	1100	UJ	Y
1,2-DICHLOROBENZENE	1100	UJ	Y
1,3-DICHLOROBENZENE	1100	UJ	Y
1,4-DICHLOROBENZENE	1100	UJ	Y
1,4-DIOXANE	1100	UJ	Y
1-METHYLNAPHTHALENE	1100	UJ	Y
2,2'-OXYBIS(1-CHLOROPROPANE)	1100	UJ	Y
2,4,5-TRICHLOROPHENOL	2800	UJ	Y
2,4,6-TRICHLOROPHENOL	1100	UJ	Y
2,4-DICHLOROPHENOL	1100	UJ	Y
2,4-DIMETHYLPHENOL	1100	UJ	Y
2,4-DINITROPHENOL	2800	UJ	Y
2,4-DINITROTOLUENE	1100	UJ	Y
2,6-DINITROTOLUENE	1100	UJ	Y
2-CHLORONAPHTHALENE	1100	UJ	Y
2-CHLOROPHENOL	1100	UJ	Y
2-METHYLNAPHTHALENE	1100	UJ	Y
2-METHYLPHENOL	1100	UJ	Y
2-NITROANILINE	2800	UJ	Y
2-NITROPHENOL	1100	UJ	Y
3&4-METHYLPHENOL	1100	UJ	Y
3,3'-DICHLOROBENZIDINE	1100	UJ	NY
3-NITROANILINE	2800	UJ	Y
4,6-DINITRO-2-METHYLPHENOL	2800	UJ	Y
4-BROMOPHENYL PHENYL ETHER	1100	UJ	Y
4-CHLORO-3-METHYLPHENOL	1100	UJ	Y
4-CHLOROANILINE	1100	UJ	Y
4-CHLOROPHENYL PHENYL ETHER	1100	UJ	Y
4-NITROANILINE	2800	UJ	Y
4-NITROPHENOL	2800	UJ	Y
ACENAPHTHENE	790	J	PY
ACENAPHTHYLENE	1100	UJ	Y

Parameter	Result	Val Qual	Qual Code
ANILINE	1100	UJ	Y
ANTHRACENE	1700	J	Y
AZOBENZENE	1100	UJ	Y
BENZIDINE	2800	UJ	NY
BENZO(A)ANTHRACENE	5200	J	NY
BENZO(A)PYRENE	4400	J	NY
BENZO(B)FLUORANTHENE	5800	J	NY
BENZO(G,H,I)PERYLENE	3100	J	NY
BENZO(K)FLUORANTHENE	2700	J	NY
BENZOIC ACID	2800	UJ	Y
BENZYL ALCOHOL	1100	UJ	Y
BIS(2-CHLOROETHOXY)METHANE	1100	UJ	Y
BIS(2-CHLOROETHYL)ETHER	1100	UJ	Y
BIS(2-ETHYLHEXYL)PHTHALATE	510	J	NPY
BUTYL BENZYL PHTHALATE	1100	UJ	NY
CARBAZOLE	990	J	PY
CHRYSENE	5400	J	NY
DIBENZO(A,H)ANTHRACENE	600	J	NPY
DIBENZOFURAN	340	J	PY
DIETHYL PHTHALATE	1100	UJ	Y
DIMETHYL PHTHALATE	1100	UJ	Y
DI-N-BUTYL PHTHALATE	1100	UJ	Y
DI-N-OCTYL PHTHALATE	1100	UJ	NY
FLUORANTHENE	9800	J	Y
FLUORENE	680	J	PY
HEXACHLOROBENZENE	1100	UJ	Y
HEXACHLOROBUTADIENE	1100	UJ	Y
HEXACHLOROCYCLOPENTADIENE	1100	UJ	Y
HEXACHLOROETHANE	1100	UJ	Y
INDENO(1,2,3-CD)PYRENE	3400	J	NY
ISOPHORONE	1100	UJ	Y
NAPHTHALENE	290	J	PY

Parameter	Result	Val Qual	Qual Code
NITROBENZENE	1100	UJ	Y
N-NITROSODIMETHYLAMINE	1100	UJ	Y
N-NITROSO-DI-N-PROPYLAMINE	1100	UJ	Y
N-NITROSODIPHENYLAMINE	1100	UJ	Y
PENTACHLOROPHENOL	2800	UJ	Y
PHENANTHRENE	6800	J	Y
PHENOL	1100	UJ	Y
PYRENE	13000	J	NY
PYRIDINE	1100	UJ	Y

PROJ_NO: 00275

SDG: MID-6 MEDIA: SOIL DATA FRACTION: OS

nsample	SD-29-01	nsample	SD-29-01	nsample	SD-29-01
samp_date	10/21/2005	samp_date	10/21/2005	samp_date	10/21/2005
lab_id	WV5605-11	lab_id	WV5605-11	lab_id	WV5605-11
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	36.4	Pct_Solids	36.4	Pct_Solids	36.4
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	900	U	
1,2-DICHLOROBENZENE	900	U	
1,3-DICHLOROBENZENE	900	U	
1,4-DICHLOROBENZENE	900	U	
1,4-DIOXANE	900	U	
1-METHYLNAPHTHALENE	900	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	900	U	
2,4,5-TRICHLOROPHENOL	2200	U	
2,4,6-TRICHLOROPHENOL	900	U	
2,4-DICHLOROPHENOL	900	U	
2,4-DIMETHYLPHENOL	900	U	
2,4-DINITROPHENOL	2200	U	
2,4-DINITROTOLUENE	900	U	
2,6-DINITROTOLUENE	900	U	
2-CHLORONAPHTHALENE	900	U	
2-CHLOROPHENOL	900	U	
2-METHYLNAPHTHALENE	900	U	
2-METHYLPHENOL	900	U	
2-NITROANILINE	2200	U	
2-NITROPHENOL	900	U	
3&4-METHYLPHENOL	900	U	
3,3'-DICHLOROBENZIDINE	900	U	
3-NITROANILINE	2200	U	
4,6-DINITRO-2-METHYLPHENOL	2200	U	
4-BROMOPHENYL PHENYL ETHER	900	U	
4-CHLORO-3-METHYLPHENOL	900	U	
4-CHLOROANILINE	900	U	
4-CHLOROPHENYL PHENYL ETHER	900	U	
4-NITROANILINE	2200	U	
4-NITROPHENOL	2200	U	
ACENAPHTHENE	900	U	
ACENAPHTHYLENE	900	U	

Parameter	Result	Val Qual	Qual Code
ANILINE	900	U	
ANTHRACENE	900	U	
AZOBENZENE	900	U	
BENZIDINE	2200	U	
BENZO(A)ANTHRACENE	610	J	P
BENZO(A)PYRENE	650	J	NP
BENZO(B)FLUORANTHENE	920	J	N
BENZO(G,H,I)PERYLENE	410	J	NP
BENZO(K)FLUORANTHENE	490	J	NP
BENZOIC ACID	2200	U	
BENZYL ALCOHOL	900	U	
BIS(2-CHLOROETHOXY)METHANE	900	U	
BIS(2-CHLOROETHYL)ETHER	900	U	
BIS(2-ETHYLHEXYL)PHTHALATE	340	J	P
BUTYL BENZYL PHTHALATE	900	U	
CARBAZOLE	900	U	
CHRYSENE	660	J	P
DIBENZO(A,H)ANTHRACENE	900	UJ	N
DIBENZOFURAN	900	U	
DIETHYL PHTHALATE	900	U	
DIMETHYL PHTHALATE	900	U	
DI-N-BUTYL PHTHALATE	900	U	
DI-N-OCTYL PHTHALATE	900	UJ	N
FLUORANTHENE	1200		
FLUORENE	900	U	
HEXACHLOROBENZENE	900	U	
HEXACHLOROBUTADIENE	900	U	
HEXACHLOROCYCLOPENTADIENE	900	U	
HEXACHLOROETHANE	900	U	
INDENO(1,2,3-CD)PYRENE	490	J	NP
ISOPHORONE	900	U	
NAPHTHALENE	180	J	P

Parameter	Result	Val Qual	Qual Code
NITROBENZENE	900	U	
N-NITROSODIMETHYLAMINE	900	U	
N-NITROSO-DI-N-PROPYLAMINE	900	U	
N-NITROSODIPHENYLAMINE	900	U	
PENTACHLOROPHENOL	2200	U	
PHENANTHRENE	550	J	P
PHENOL	900	U	
PYRENE	1400		
PYRIDINE	900	U	

PROJ_NO: 00275

SDG: MID-6 MEDIA: SOIL DATA FRACTION: OS

nsample	SD-29-02
samp_date	10/21/2005
lab_id	WV5605-12
qc_type	NM
units	UG/KG
Pct_Solids	57.8
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	570	U	
1,2-DICHLOROBENZENE	570	U	
1,3-DICHLOROBENZENE	570	U	
1,4-DICHLOROBENZENE	570	U	
1,4-DIOXANE	570	U	
1-METHYLNAPHTHALENE	570	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	570	U	
2,4,5-TRICHLOROPHENOL	1400	U	
2,4,6-TRICHLOROPHENOL	570	U	
2,4-DICHLOROPHENOL	570	U	
2,4-DIMETHYLPHENOL	570	U	
2,4-DINITROPHENOL	1400	U	
2,4-DINITROTOLUENE	570	U	
2,6-DINITROTOLUENE	570	U	
2-CHLORONAPHTHALENE	570	U	
2-CHLOROPHENOL	570	U	
2-METHYLNAPHTHALENE	570	U	
2-METHYLPHENOL	570	U	
2-NITROANILINE	1400	U	
2-NITROPHENOL	570	U	
3&4-METHYLPHENOL	570	U	
3,3'-DICHLOROBENZIDINE	570	U	
3-NITROANILINE	1400	U	
4,6-DINITRO-2-METHYLPHENOL	1400	U	
4-BROMOPHENYL PHENYL ETHER	570	U	
4-CHLORO-3-METHYLPHENOL	570	U	
4-CHLOROANILINE	570	U	
4-CHLOROPHENYL PHENYL ETHER	570	U	
4-NITROANILINE	1400	U	
4-NITROPHENOL	1400	U	
ACENAPHTHENE	570	U	
ACENAPHTHYLENE	570	U	

nsample	SD-29-02
samp_date	10/21/2005
lab_id	WV5605-12
qc_type	NM
units	UG/KG
Pct_Solids	57.8
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANILINE	570	U	
ANTHRACENE	570	U	
AZOBENZENE	570	U	
BENZIDINE	1400	U	
BENZO(A)ANTHRACENE	570	U	
BENZO(A)PYRENE	570	U	
BENZO(B)FLUORANTHENE	570	U	
BENZO(G,H,I)PERYLENE	570	U	
BENZO(K)FLUORANTHENE	570	U	
BENZOIC ACID	1400	U	
BENZYL ALCOHOL	570	U	
BIS(2-CHLOROETHOXY)METHANE	570	U	
BIS(2-CHLOROETHYL)ETHER	570	U	
BIS(2-ETHYLHEXYL)PHTHALATE	570	U	
BUTYL BENZYL PHTHALATE	570	U	
CARBAZOLE	570	U	
CHRYSENE	570	U	
DIBENZO(A,H)ANTHRACENE	570	U	
DIBENZOFURAN	570	U	
DIETHYL PHTHALATE	570	U	
DIMETHYL PHTHALATE	570	U	
DI-N-BUTYL PHTHALATE	570	U	
DI-N-OCTYL PHTHALATE	570	U	
FLUORANTHENE	140	J	P
FLUORENE	570	U	
HEXACHLOROBENZENE	570	U	
HEXACHLOROBUTADIENE	570	U	
HEXACHLOROCYCLOPENTADIENE	570	U	
HEXACHLOROETHANE	570	U	
INDENO(1,2,3-CD)PYRENE	570	U	
ISOPHORONE	570	U	
NAPHTHALENE	570	U	

nsample	SD-29-02
samp_date	10/21/2005
lab_id	WV5605-12
qc_type	NM
units	UG/KG
Pct_Solids	57.8
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
NITROBENZENE	570	U	
N-NITROSODIMETHYLAMINE	570	U	
N-NITROSO-DI-N-PROPYLAMINE	570	U	
N-NITROSODIPHENYLAMINE	570	U	
PENTACHLOROPHENOL	1400	U	
PHENANTHRENE	570	U	
PHENOL	570	U	
PYRENE	570	U	
PYRIDINE	570	U	

PROJ_NO: 00275

SDG: MID-6 MEDIA: SOIL DATA FRACTION: OS

nsample	SD-29-SS
samp_date	10/21/2005
lab_id	WV5605-10
qc_type	NM
units	UG/KG
Pct_Solids	33.5
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	980	U	
1,2-DICHLOROBENZENE	980	U	
1,3-DICHLOROBENZENE	980	U	
1,4-DICHLOROBENZENE	76	J	P
1,4-DIOXANE	980	U	
1-METHYLNAPHTHALENE	980	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	980	U	
2,4,5-TRICHLOROPHENOL	2400	U	
2,4,6-TRICHLOROPHENOL	980	U	
2,4-DICHLOROPHENOL	980	U	
2,4-DIMETHYLPHENOL	980	U	
2,4-DINITROPHENOL	2400	U	
2,4-DINITROTOLUENE	980	U	
2,6-DINITROTOLUENE	980	U	
2-CHLORONAPHTHALENE	980	U	
2-CHLOROPHENOL	980	U	
2-METHYLNAPHTHALENE	980	U	
2-METHYLPHENOL	980	U	
2-NITROANILINE	2400	U	
2-NITROPHENOL	980	U	
3&4-METHYLPHENOL	980	U	
3,3'-DICHLOROBENZIDINE	980	UJ	N
3-NITROANILINE	2400	U	
4,6-DINITRO-2-METHYLPHENOL	2400	U	
4-BROMOPHENYL PHENYL ETHER	980	U	
4-CHLORO-3-METHYLPHENOL	980	U	
4-CHLOROANILINE	980	U	
4-CHLOROPHENYL PHENYL ETHER	980	U	
4-NITROANILINE	2400	U	
4-NITROPHENOL	2400	U	
ACENAPHTHENE	980	U	
ACENAPHTHYLENE	980	U	

nsample	SD-29-SS
samp_date	10/21/2005
lab_id	WV5605-10
qc_type	NM
units	UG/KG
Pct_Solids	33.5
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANILINE	980	U	
ANTHRACENE	980	U	
AZOBENZENE	980	U	
BENZIDINE	2400	UJ	N
BENZO(A)ANTHRACENE	420	J	NP
BENZO(A)PYRENE	470	J	NP
BENZO(B)FLUORANTHENE	660	J	NP
BENZO(G,H,I)PERYLENE	980	UJ	N
BENZO(K)FLUORANTHENE	310	J	NP
BENZOIC ACID	2400	U	
BENZYL ALCOHOL	980	U	
BIS(2-CHLOROETHOXY)METHANE	980	U	
BIS(2-CHLOROETHYL)ETHER	980	U	
BIS(2-ETHYLHEXYL)PHTHALATE	390	J	NP
BUTYL BENZYL PHTHALATE	980	UJ	N
CARBAZOLE	980	U	
CHRYSENE	560	J	NP
DIBENZO(A,H)ANTHRACENE	980	UJ	N
DIBENZOFURAN	980	U	
DIETHYL PHTHALATE	980	U	
DIMETHYL PHTHALATE	980	U	
DI-N-BUTYL PHTHALATE	980	U	
DI-N-OCTYL PHTHALATE	980	UJ	N
FLUORANTHENE	840	J	P
FLUORENE	980	U	
HEXACHLOROBENZENE	980	U	
HEXACHLOROBUTADIENE	980	U	
HEXACHLOROCYCLOPENTADIENE	980	U	
HEXACHLOROETHANE	980	U	
INDENO(1,2,3-CD)PYRENE	980	UJ	N
ISOPHORONE	980	U	
NAPHTHALENE	980	U	

nsample	SD-29-SS
samp_date	10/21/2005
lab_id	WV5605-10
qc_type	NM
units	UG/KG
Pct_Solids	33.5
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
NITROBENZENE	980	U	
N-NITROSODIMETHYLAMINE	980	U	
N-NITROSO-DI-N-PROPYLAMINE	980	U	
N-NITROSODIPHENYLAMINE	980	U	
PENTACHLOROPHENOL	2400	U	
PHENANTHRENE	360	J	P
PHENOL	980	U	
PYRENE	1200	J	N
PYRIDINE	980	U	

PROJ_NO: 00275

SDG: MID-6 MEDIA: SOIL DATA FRACTION: OS

nsample	SD-30-SS	nsample	SD-30-SS	nsample	SD-30-SS
samp_date	10/21/2005	samp_date	10/21/2005	samp_date	10/21/2005
lab_id	WV5605-13	lab_id	WV5605-13	lab_id	WV5605-13
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	24.8	Pct_Solids	24.8	Pct_Solids	24.8
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	1300	UJ	Y
1,2-DICHLOROBENZENE	1300	UJ	Y
1,3-DICHLOROBENZENE	1300	UJ	Y
1,4-DICHLOROBENZENE	120	B	A
1,4-DIOXANE	1300	UJ	Y
1-METHYLNAPHTHALENE	1300	UJ	Y
2,2'-OXYBIS(1-CHLOROPROPANE)	1300	UJ	Y
2,4,5-TRICHLOROPHENOL	3300	UJ	Y
2,4,6-TRICHLOROPHENOL	1300	UJ	Y
2,4-DICHLOROPHENOL	1300	UJ	Y
2,4-DIMETHYLPHENOL	1300	UJ	Y
2,4-DINITROPHENOL	3300	UJ	Y
2,4-DINITROTOLUENE	1300	UJ	Y
2,6-DINITROTOLUENE	1300	UJ	Y
2-CHLORONAPHTHALENE	1300	UJ	Y
2-CHLOROPHENOL	1300	UJ	Y
2-METHYLNAPHTHALENE	1300	UJ	Y
2-METHYLPHENOL	1300	UJ	Y
2-NITROANILINE	3300	UJ	Y
2-NITROPHENOL	1300	UJ	Y
3&4-METHYLPHENOL	1300	UJ	Y
3,3'-DICHLOROBENZIDINE	1300	UJ	Y
3-NITROANILINE	3300	UJ	Y
4,6-DINITRO-2-METHYLPHENOL	3300	UJ	Y
4-BROMOPHENYL PHENYL ETHER	1300	UJ	Y
4-CHLORO-3-METHYLPHENOL	1300	UJ	Y
4-CHLOROANILINE	1300	UJ	Y
4-CHLOROPHENYL PHENYL ETHER	1300	UJ	Y
4-NITROANILINE	3300	UJ	Y
4-NITROPHENOL	3300	UJ	Y
ACENAPHTHENE	260	B	A
ACENAPHTHYLENE	1300	UJ	Y

Parameter	Result	Val Qual	Qual Code
ANILINE	1300	UJ	Y
ANTHRACENE	1300	UJ	Y
AZOBENZENE	1300	UJ	Y
BENZIDINE	3300	UJ	Y
BENZO(A)ANTHRACENE	300	J	PY
BENZO(A)PYRENE	380	J	NPY
BENZO(B)FLUORANTHENE	700	J	NPY
BENZO(G,H,I)PERYLENE	1300	UJ	NY
BENZO(K)FLUORANTHENE	1300	UJ	NY
BENZOIC ACID	3300	UJ	Y
BENZYL ALCOHOL	1300	UJ	CY
BIS(2-CHLOROETHOXY)METHANE	1300	UJ	Y
BIS(2-CHLOROETHYL)ETHER	1300	UJ	Y
BIS(2-ETHYLHEXYL)PHTHALATE	340	J	PY
BUTYL BENZYL PHTHALATE	1300	UJ	Y
CARBAZOLE	1300	UJ	Y
CHRYSENE	540	J	PY
DIBENZO(A,H)ANTHRACENE	1300	UJ	NY
DIBENZOFURAN	1300	UJ	Y
DIETHYL PHTHALATE	1300	UJ	Y
DIMETHYL PHTHALATE	1300	UJ	Y
DI-N-BUTYL PHTHALATE	1300	UJ	Y
DI-N-OCTYL PHTHALATE	1300	UJ	NY
FLUORANTHENE	540	J	PY
FLUORENE	1300	UJ	Y
HEXACHLOROBENZENE	1300	UJ	Y
HEXACHLOROBUTADIENE	1300	UJ	Y
HEXACHLOROCYCLOPENTADIENE	1300	UJ	Y
HEXACHLOROETHANE	1300	UJ	Y
INDENO(1,2,3-CD)PYRENE	1300	UJ	NY
ISOPHORONE	1300	UJ	Y
NAPHTHALENE	1300	UJ	Y

Parameter	Result	Val Qual	Qual Code
NITROBENZENE	1300	UJ	Y
N-NITROSODIMETHYLAMINE	1300	UJ	Y
N-NITROSO-DI-N-PROPYLAMINE	1300	UJ	Y
N-NITROSODIPHENYLAMINE	1300	UJ	Y
PENTACHLOROPHENOL	3300	UJ	Y
PHENANTHRENE	1300	UJ	Y
PHENOL	1300	UJ	Y
PYRENE	1000	J	PY
PYRIDINE	1300	UJ	Y

PROJ_NO: 00275

SDG: MID-6 MEDIA: SOIL DATA FRACTION: OS

nsample	SD-31-01
samp_date	10/21/2005
lab_id	WV5605-15
qc_type	NM
units	UG/KG
Pct_Solids	44.6
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	740	U	
1,2-DICHLOROBENZENE	740	U	
1,3-DICHLOROBENZENE	740	U	
1,4-DICHLOROBENZENE	740	U	
1,4-DIOXANE	740	U	
1-METHYLNAPHTHALENE	740	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	740	U	
2,4,5-TRICHLOROPHENOL	1800	U	
2,4,6-TRICHLOROPHENOL	740	U	
2,4-DICHLOROPHENOL	740	U	
2,4-DIMETHYLPHENOL	740	U	
2,4-DINITROPHENOL	1800	U	
2,4-DINITROTOLUENE	740	U	
2,6-DINITROTOLUENE	740	U	
2-CHLORONAPHTHALENE	740	U	
2-CHLOROPHENOL	740	U	
2-METHYLNAPHTHALENE	740	U	
2-METHYLPHENOL	740	U	
2-NITROANILINE	1800	U	
2-NITROPHENOL	740	U	
3&4-METHYLPHENOL	740	U	
3,3'-DICHLOROBENZIDINE	740	U	
3-NITROANILINE	1800	U	
4,6-DINITRO-2-METHYLPHENOL	1800	U	
4-BROMOPHENYL PHENYL ETHER	740	U	
4-CHLORO-3-METHYLPHENOL	740	U	
4-CHLOROANILINE	740	U	
4-CHLOROPHENYL PHENYL ETHER	740	U	
4-NITROANILINE	1800	U	
4-NITROPHENOL	1800	U	
ACENAPHTHENE	740	U	
ACENAPHTHYLENE	740	U	

nsample	SD-31-01
samp_date	10/21/2005
lab_id	WV5605-15
qc_type	NM
units	UG/KG
Pct_Solids	44.6
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANILINE	740	U	
ANTHRACENE	740	U	
AZOBENZENE	740	U	
BENZIDINE	1800	U	
BENZO(A)ANTHRACENE	740	U	
BENZO(A)PYRENE	740	U	
BENZO(B)FLUORANTHENE	740	U	
BENZO(G,H,I)PERYLENE	740	U	
BENZO(K)FLUORANTHENE	740	U	
BENZOIC ACID	1800	U	
BENZYL ALCOHOL	740	UJ	C
BIS(2-CHLOROETHOXY)METHANE	740	U	
BIS(2-CHLOROETHYL)ETHER	740	U	
BIS(2-ETHYLHEXYL)PHTHALATE	740	U	
BUTYL BENZYL PHTHALATE	740	U	
CARBAZOLE	740	U	
CHRYSENE	740	U	
DIBENZO(A,H)ANTHRACENE	740	U	
DIBENZOFURAN	740	U	
DIETHYL PHTHALATE	740	U	
DIMETHYL PHTHALATE	740	U	
DI-N-BUTYL PHTHALATE	740	U	
DI-N-OCTYL PHTHALATE	740	U	
FLUORANTHENE	740	U	
FLUORENE	740	U	
HEXACHLOROBENZENE	740	U	
HEXACHLOROBUTADIENE	740	U	
HEXACHLOROCYCLOPENTADIENE	740	U	
HEXACHLOROETHANE	740	U	
INDENO(1,2,3-CD)PYRENE	740	U	
ISOPHORONE	740	U	
NAPHTHALENE	740	U	

nsample	SD-31-01
samp_date	10/21/2005
lab_id	WV5605-15
qc_type	NM
units	UG/KG
Pct_Solids	44.6
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
NITROBENZENE	740	U	
N-NITROSODIMETHYLAMINE	740	U	
N-NITROSO-DI-N-PROPYLAMINE	740	U	
N-NITROSODIPHENYLAMINE	740	U	
PENTACHLOROPHENOL	1800	U	
PHENANTHRENE	740	U	
PHENOL	740	U	
PYRENE	740	U	
PYRIDINE	740	U	

PROJ_NO: 00275

SDG: MID-6 MEDIA: SOIL DATA FRACTION: OS

nsample	SD-31-02
samp_date	10/21/2005
lab_id	WV5605-16
qc_type	NM
units	UG/KG
Pct_Solids	32.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	1000	UJ	D
1,2-DICHLOROBENZENE	1000	UJ	D
1,3-DICHLOROBENZENE	1000	UJ	D
1,4-DICHLOROBENZENE	1000	UJ	D
1,4-DIOXANE	1000	UJ	D
1-METHYLNAPHTHALENE	1000	UJ	D
2,2'-OXYBIS(1-CHLOROPROPANE)	1000	UJ	D
2,4,5-TRICHLOROPHENOL	2500	UJ	D
2,4,6-TRICHLOROPHENOL	1000	UJ	D
2,4-DICHLOROPHENOL	1000	UJ	D
2,4-DIMETHYLPHENOL	1000	UJ	D
2,4-DINITROPHENOL	2500	UJ	D
2,4-DINITROTOLUENE	1000	UJ	D
2,6-DINITROTOLUENE	1000	UJ	D
2-CHLORONAPHTHALENE	1000	UJ	D
2-CHLOROPHENOL	1000	UJ	D
2-METHYLNAPHTHALENE	1000	UJ	D
2-METHYLPHENOL	1000	UJ	D
2-NITROANILINE	2500	UJ	D
2-NITROPHENOL	1000	UJ	D
3&4-METHYLPHENOL	1000	UJ	D
3,3'-DICHLOROBENZIDINE	1000	UJ	D
3-NITROANILINE	2500	UJ	D
4,6-DINITRO-2-METHYLPHENOL	2500	UJ	D
4-BROMOPHENYL PHENYL ETHER	1000	UJ	D
4-CHLORO-3-METHYLPHENOL	1000	UJ	D
4-CHLOROANILINE	1000	UJ	D
4-CHLOROPHENYL PHENYL ETHER	1000	UJ	D
4-NITROANILINE	2500	UJ	D
4-NITROPHENOL	2500	UJ	D
ACENAPHTHENE	1000	UJ	D
ACENAPHTHYLENE	1000	UJ	D

nsample	SD-31-02
samp_date	10/21/2005
lab_id	WV5605-16
qc_type	NM
units	UG/KG
Pct_Solids	32.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANILINE	1000	UJ	D
ANTHRACENE	1000	UJ	D
AZOBENZENE	1000	UJ	D
BENZIDINE	2500	UJ	D
BENZO(A)ANTHRACENE	1000	UJ	D
BENZO(A)PYRENE	1000	UJ	D
BENZO(B)FLUORANTHENE	1000	UJ	D
BENZO(G,H,I)PERYLENE	1000	UJ	D
BENZO(K)FLUORANTHENE	1000	UJ	D
BENZOIC ACID	2500	UJ	D
BENZYL ALCOHOL	1000	UJ	CD
BIS(2-CHLOROETHOXY)METHANE	1000	UJ	D
BIS(2-CHLOROETHYL)ETHER	1000	UJ	D
BIS(2-ETHYLHEXYL)PHTHALATE	980	J	DP
BUTYL BENZYL PHTHALATE	1000	UJ	D
CARBAZOLE	1000	UJ	D
CHRYSENE	1000	UJ	D
DIBENZO(A,H)ANTHRACENE	1000	UJ	D
DIBENZOFURAN	1000	UJ	D
DIETHYL PHTHALATE	1000	UJ	D
DIMETHYL PHTHALATE	1000	UJ	D
DI-N-BUTYL PHTHALATE	1000	UJ	D
DI-N-OCTYL PHTHALATE	1000	UJ	D
FLUORANTHENE	1000	UJ	D
FLUORENE	1000	UJ	D
HEXACHLOROBENZENE	1000	UJ	D
HEXACHLOROBUTADIENE	1000	UJ	D
HEXACHLOROCYCLOPENTADIENE	1000	UR	D
HEXACHLOROETHANE	1000	UR	D
INDENO(1,2,3-CD)PYRENE	1000	UJ	D
ISOPHORONE	1000	UJ	D
NAPHTHALENE	1000	UJ	D

nsample	SD-31-02
samp_date	10/21/2005
lab_id	WV5605-16
qc_type	NM
units	UG/KG
Pct_Solids	32.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
NITROBENZENE	1000	UJ	D
N-NITROSODIMETHYLAMINE	1000	UJ	D
N-NITROSO-DI-N-PROPYLAMINE	1000	UJ	D
N-NITROSODIPHENYLAMINE	1000	UJ	D
PENTACHLOROPHENOL	2500	UJ	D
PHENANTHRENE	1000	UJ	D
PHENOL	1000	UJ	D
PYRENE	1000	UJ	D
PYRIDINE	1000	UJ	D

PROJ_NO: 00275

SDG: MID-6 MEDIA: SOIL DATA FRACTION: OS

nsample	SD-31-SS
samp_date	10/21/2005
lab_id	WV5605-14
qc_type	NM
units	UG/KG
Pct_Solids	38.1
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	860	U	
1,2-DICHLOROBENZENE	860	U	
1,3-DICHLOROBENZENE	860	U	
1,4-DICHLOROBENZENE	860	U	
1,4-DIOXANE	860	U	
1-METHYLNAPHTHALENE	860	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	860	U	
2,4,5-TRICHLOROPHENOL	2200	U	
2,4,6-TRICHLOROPHENOL	860	U	
2,4-DICHLOROPHENOL	860	U	
2,4-DIMETHYLPHENOL	860	U	
2,4-DINITROPHENOL	2200	U	
2,4-DINITROTOLUENE	860	U	
2,6-DINITROTOLUENE	860	U	
2-CHLORONAPHTHALENE	860	U	
2-CHLOROPHENOL	860	U	
2-METHYLNAPHTHALENE	860	U	
2-METHYLPHENOL	860	U	
2-NITROANILINE	2200	U	
2-NITROPHENOL	860	U	
3&4-METHYLPHENOL	860	U	
3,3'-DICHLOROBENZIDINE	860	U	
3-NITROANILINE	2200	U	
4,6-DINITRO-2-METHYLPHENOL	2200	U	
4-BROMOPHENYL PHENYL ETHER	860	U	
4-CHLORO-3-METHYLPHENOL	860	U	
4-CHLOROANILINE	860	U	
4-CHLOROPHENYL PHENYL ETHER	860	U	
4-NITROANILINE	2200	U	
4-NITROPHENOL	2200	U	
ACENAPHTHENE	860	U	
ACENAPHTHYLENE	860	U	

nsample	SD-31-SS
samp_date	10/21/2005
lab_id	WV5605-14
qc_type	NM
units	UG/KG
Pct_Solids	38.1
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANILINE	860	U	
ANTHRACENE	860	U	
AZOBENZENE	860	U	
BENZIDINE	2200	U	
BENZO(A)ANTHRACENE	860	U	
BENZO(A)PYRENE	860	U	
BENZO(B)FLUORANTHENE	860	U	
BENZO(G,H,I)PERYLENE	860	U	
BENZO(K)FLUORANTHENE	860	U	
BENZOIC ACID	2200	U	
BENZYL ALCOHOL	860	UJ	C
BIS(2-CHLOROETHOXY)METHANE	860	U	
BIS(2-CHLOROETHYL)ETHER	860	U	
BIS(2-ETHYLHEXYL)PHTHALATE	860	U	
BUTYL BENZYL PHTHALATE	860	U	
CARBAZOLE	860	U	
CHRYSENE	860	U	
DIBENZO(A,H)ANTHRACENE	860	U	
DIBENZOFURAN	860	U	
DIETHYL PHTHALATE	860	U	
DIMETHYL PHTHALATE	860	U	
DI-N-BUTYL PHTHALATE	860	U	
DI-N-OCTYL PHTHALATE	860	U	
FLUORANTHENE	860	U	
FLUORENE	860	U	
HEXACHLOROBENZENE	860	U	
HEXACHLOROBUTADIENE	860	U	
HEXACHLOROCYCLOPENTADIENE	860	U	
HEXACHLOROETHANE	860	U	
INDENO(1,2,3-CD)PYRENE	860	U	
ISOPHORONE	860	U	
NAPHTHALENE	860	U	

nsample	SD-31-SS
samp_date	10/21/2005
lab_id	WV5605-14
qc_type	NM
units	UG/KG
Pct_Solids	38.1
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
NITROBENZENE	860	U	
N-NITROSODIMETHYLAMINE	860	U	
N-NITROSO-DI-N-PROPYLAMINE	860	U	
N-NITROSODIPHENYLAMINE	860	U	
PENTACHLOROPHENOL	2200	U	
PHENANTHRENE	860	U	
PHENOL	860	U	
PYRENE	860	U	
PYRIDINE	860	U	

PROJ_NO: 00275

SDG: MID-6 MEDIA: SOIL DATA FRACTION: OS

nsample	SD-32-SS
samp_date	10/21/2005
lab_id	WV5605-17
qc_type	NM
units	UG/KG
Pct_Solids	20.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	1600	UJ	Y
1,2-DICHLOROBENZENE	1600	UJ	Y
1,3-DICHLOROBENZENE	1600	UJ	Y
1,4-DICHLOROBENZENE	1600	UJ	Y
1,4-DIOXANE	1600	UJ	Y
1-METHYLNAPHTHALENE	1600	UJ	Y
2,2'-OXYBIS(1-CHLOROPROPANE)	1600	UJ	Y
2,4,5-TRICHLOROPHENOL	4100	UJ	Y
2,4,6-TRICHLOROPHENOL	1600	UJ	Y
2,4-DICHLOROPHENOL	1600	UJ	Y
2,4-DIMETHYLPHENOL	1600	UJ	Y
2,4-DINITROPHENOL	4100	UJ	Y
2,4-DINITROTOLUENE	1600	UJ	Y
2,6-DINITROTOLUENE	1600	UJ	Y
2-CHLORONAPHTHALENE	1600	UJ	Y
2-CHLOROPHENOL	1600	UJ	Y
2-METHYLNAPHTHALENE	1600	UJ	Y
2-METHYLPHENOL	1600	UJ	Y
2-NITROANILINE	4100	UJ	Y
2-NITROPHENOL	1600	UJ	Y
3&4-METHYLPHENOL	1600	UJ	Y
3,3'-DICHLOROBENZIDINE	1600	UJ	Y
3-NITROANILINE	4100	UJ	Y
4,6-DINITRO-2-METHYLPHENOL	4100	UJ	Y
4-BROMOPHENYL PHENYL ETHER	1600	UJ	Y
4-CHLORO-3-METHYLPHENOL	1600	UJ	Y
4-CHLOROANILINE	1600	UJ	Y
4-CHLOROPHENYL PHENYL ETHER	1600	UJ	Y
4-NITROANILINE	4100	UJ	Y
4-NITROPHENOL	4100	UJ	Y
ACENAPHTHENE	1600	UJ	Y
ACENAPHTHYLENE	1600	UJ	Y

nsample	SD-32-SS
samp_date	10/21/2005
lab_id	WV5605-17
qc_type	NM
units	UG/KG
Pct_Solids	20.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANILINE	1600	UJ	Y
ANTHRACENE	1600	UJ	Y
AZOBENZENE	1600	UJ	Y
BENZIDINE	4100	UJ	Y
BENZO(A)ANTHRACENE	1600	UJ	Y
BENZO(A)PYRENE	240	J	PY
BENZO(B)FLUORANTHENE	400	J	PY
BENZO(G,H,I)PERYLENE	1600	UJ	Y
BENZO(K)FLUORANTHENE	1600	UJ	Y
BENZOIC ACID	4100	UJ	Y
BENZYL ALCOHOL	1600	UJ	CY
BIS(2-CHLOROETHOXY)METHANE	1600	UJ	Y
BIS(2-CHLOROETHYL)ETHER	1600	UJ	Y
BIS(2-ETHYLHEXYL)PHTHALATE	2900	J	Y
BUTYL BENZYL PHTHALATE	1600	UJ	Y
CARBAZOLE	1600	UJ	Y
CHRYSENE	1600	UJ	Y
DIBENZO(A,H)ANTHRACENE	1600	UJ	Y
DIBENZOFURAN	1600	UJ	Y
DIETHYL PHTHALATE	1600	UJ	Y
DIMETHYL PHTHALATE	1600	UJ	Y
DI-N-BUTYL PHTHALATE	1600	UJ	Y
DI-N-OCTYL PHTHALATE	1600	UJ	Y
FLUORANTHENE	470	J	PY
FLUORENE	1600	UJ	Y
HEXACHLOROBENZENE	1600	UJ	Y
HEXACHLOROBUTADIENE	1600	UJ	Y
HEXACHLOROCYCLOPENTADIENE	1600	UJ	Y
HEXACHLOROETHANE	1600	UJ	Y
INDENO(1,2,3-CD)PYRENE	1600	UJ	Y
ISOPHORONE	1600	UJ	Y
NAPHTHALENE	1600	UJ	Y

nsample	SD-32-SS
samp_date	10/21/2005
lab_id	WV5605-17
qc_type	NM
units	UG/KG
Pct_Solids	20.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
NITROBENZENE	1600	UJ	Y
N-NITROSODIMETHYLAMINE	1600	UJ	Y
N-NITROSO-DI-N-PROPYLAMINE	1600	UJ	Y
N-NITROSODIPHENYLAMINE	1600	UJ	Y
PENTACHLOROPHENOL	4100	UJ	Y
PHENANTHRENE	1600	UJ	Y
PHENOL	1600	UJ	Y
PYRENE	610	J	PY
PYRIDINE	1600	UJ	Y

PROJ_NO: 00275

SDG: MID-6 MEDIA: SOIL DATA FRACTION: OS

nsample	SD-33-SS	nsample	SD-33-SS	nsample	SD-33-SS
samp_date	10/21/2005	samp_date	10/21/2005	samp_date	10/21/2005
lab_id	WV5605-18	lab_id	WV5605-18	lab_id	WV5605-18
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	24.5	Pct_Solids	24.5	Pct_Solids	24.5
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	1300	UJ	RY
1,2-DICHLOROBENZENE	1300	UJ	RY
1,3-DICHLOROBENZENE	1300	UJ	RY
1,4-DICHLOROBENZENE	1300	UJ	RY
1,4-DIOXANE	1300	UJ	RY
1-METHYLNAPHTHALENE	1300	UJ	RY
2,2'-OXYBIS(1-CHLOROPROPANE)	1300	UJ	RY
2,4,5-TRICHLOROPHENOL	3300	UJ	Y
2,4,6-TRICHLOROPHENOL	1300	UJ	Y
2,4-DICHLOROPHENOL	1300	UJ	Y
2,4-DIMETHYLPHENOL	1300	UJ	Y
2,4-DINITROPHENOL	3300	UJ	Y
2,4-DINITROTOLUENE	1300	UJ	RY
2,6-DINITROTOLUENE	1300	UJ	RY
2-CHLORONAPHTHALENE	1300	UJ	RY
2-CHLOROPHENOL	1300	UJ	Y
2-METHYLNAPHTHALENE	1300	UJ	RY
2-METHYLPHENOL	1300	UJ	Y
2-NITROANILINE	3300	UJ	RY
2-NITROPHENOL	1300	UJ	Y
3&4-METHYLPHENOL	1300	UJ	Y
3,3'-DICHLOROBENZIDINE	1300	UJ	RY
3-NITROANILINE	3300	UJ	RY
4,6-DINITRO-2-METHYLPHENOL	3300	UJ	Y
4-BROMOPHENYL PHENYL ETHER	1300	UJ	RY
4-CHLORO-3-METHYLPHENOL	1300	UJ	Y
4-CHLOROANILINE	1300	UJ	RY
4-CHLOROPHENYL PHENYL ETHER	1300	UJ	RY
4-NITROANILINE	3300	UJ	RY
4-NITROPHENOL	3300	UJ	Y
ACENAPHTHENE	1300	UJ	RY
ACENAPHTHYLENE	1300	UJ	RY

Parameter	Result	Val Qual	Qual Code
ANILINE	1300	UJ	RY
ANTHRACENE	1300	UJ	RY
AZOBENZENE	1300	UJ	RY
BENZIDINE	3300	UJ	RY
BENZO(A)ANTHRACENE	1300	UJ	RY
BENZO(A)PYRENE	1300	UJ	RY
BENZO(B)FLUORANTHENE	290	J	PRY
BENZO(G,H,I)PERYLENE	1300	UJ	RY
BENZO(K)FLUORANTHENE	1300	UJ	RY
BENZOIC ACID	3300	UJ	Y
BENZYL ALCOHOL	1300	UJ	CY
BIS(2-CHLOROETHOXY)METHANE	1300	UJ	RY
BIS(2-CHLOROETHYL)ETHER	1300	UJ	RY
BIS(2-ETHYLHEXYL)PHTHALATE	800	J	PRY
BUTYL BENZYL PHTHALATE	1300	UJ	RY
CARBAZOLE	1300	UJ	RY
CHRYSENE	1300	UJ	RY
DIBENZO(A,H)ANTHRACENE	1300	UJ	RY
DIBENZOFURAN	1300	UJ	RY
DIETHYL PHTHALATE	1300	UJ	RY
DIMETHYL PHTHALATE	1300	UJ	RY
DI-N-BUTYL PHTHALATE	1300	UJ	RY
DI-N-OCTYL PHTHALATE	1300	UJ	RY
FLUORANTHENE	340	J	PRY
FLUORENE	1300	UJ	RY
HEXACHLOROBENZENE	1300	UJ	RY
HEXACHLOROBUTADIENE	1300	UJ	RY
HEXACHLOROCYCLOPENTADIENE	1300	UJ	RY
HEXACHLOROETHANE	1300	UJ	RY
INDENO(1,2,3-CD)PYRENE	1300	UJ	RY
ISOPHORONE	1300	UJ	RY
NAPHTHALENE	1300	UJ	RY

Parameter	Result	Val Qual	Qual Code
NITROBENZENE	1300	UJ	RY
N-NITROSODIMETHYLAMINE	1300	UJ	RY
N-NITROSO-DI-N-PROPYLAMINE	1300	UJ	RY
N-NITROSODIPHENYLAMINE	1300	UJ	RY
PENTACHLOROPHENOL	3300	UJ	Y
PHENANTHRENE	1300	UJ	RY
PHENOL	1300	UJ	Y
PYRENE	400	J	RY
PYRIDINE	1300	UJ	RY

PROJ_NO: 00275

SDG: MID-6 MEDIA: SOIL DATA FRACTION: OS

nsample	SD-34-SS
samp_date	10/21/2005
lab_id	WV5605-19
qc_type	NM
units	UG/KG
Pct_Solids	39.3
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	840	U	
1,2-DICHLOROBENZENE	840	U	
1,3-DICHLOROBENZENE	840	U	
1,4-DICHLOROBENZENE	74	B	A
1,4-DIOXANE	840	U	
1-METHYLNAPHTHALENE	840	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	840	U	
2,4,5-TRICHLOROPHENOL	2100	U	
2,4,6-TRICHLOROPHENOL	840	U	
2,4-DICHLOROPHENOL	840	U	
2,4-DIMETHYLPHENOL	840	U	
2,4-DINITROPHENOL	2100	U	
2,4-DINITROTOLUENE	840	U	
2,6-DINITROTOLUENE	840	U	
2-CHLORONAPHTHALENE	840	U	
2-CHLOROPHENOL	840	U	
2-METHYLNAPHTHALENE	840	U	
2-METHYLPHENOL	840	U	
2-NITROANILINE	2100	U	
2-NITROPHENOL	840	U	
3&4-METHYLPHENOL	840	U	
3,3'-DICHLOROBENZIDINE	840	U	
3-NITROANILINE	2100	U	
4,6-DINITRO-2-METHYLPHENOL	2100	U	
4-BROMOPHENYL PHENYL ETHER	840	U	
4-CHLORO-3-METHYLPHENOL	840	U	
4-CHLOROANILINE	840	U	
4-CHLOROPHENYL PHENYL ETHER	840	U	
4-NITROANILINE	2100	U	
4-NITROPHENOL	2100	U	
ACENAPHTHENE	170	B	A
ACENAPHTHYLENE	840	U	

nsample	SD-34-SS
samp_date	10/21/2005
lab_id	WV5605-19
qc_type	NM
units	UG/KG
Pct_Solids	39.3
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANILINE	840	U	
ANTHRACENE	170	J	P
AZOBENZENE	840	U	
BENZIDINE	2100	U	
BENZO(A)ANTHRACENE	260	J	P
BENZO(A)PYRENE	350	J	NP
BENZO(B)FLUORANTHENE	520	J	NP
BENZO(G,H,I)PERYLENE	840	UJ	N
BENZO(K)FLUORANTHENE	840	UJ	N
BENZOIC ACID	2100	U	
BENZYL ALCOHOL	840	UJ	C
BIS(2-CHLOROETHOXY)METHANE	840	U	
BIS(2-CHLOROETHYL)ETHER	840	U	
BIS(2-ETHYLHEXYL)PHTHALATE	1900		
BUTYL BENZYL PHTHALATE	190	J	P
CARBAZOLE	840	U	
CHRYSENE	410	J	P
DIBENZO(A,H)ANTHRACENE	840	UJ	N
DIBENZOFURAN	840	U	
DIETHYL PHTHALATE	840	U	
DIMETHYL PHTHALATE	840	U	
DI-N-BUTYL PHTHALATE	840	U	
DI-N-OCTYL PHTHALATE	840	UJ	N
FLUORANTHENE	430	J	P
FLUORENE	840	U	
HEXACHLOROBENZENE	840	U	
HEXACHLOROBUTADIENE	840	U	
HEXACHLOROCYCLOPENTADIENE	840	U	
HEXACHLOROETHANE	840	U	
INDENO(1,2,3-CD)PYRENE	840	UJ	N
ISOPHORONE	840	U	
NAPHTHALENE	840	U	

nsample	SD-34-SS
samp_date	10/21/2005
lab_id	WV5605-19
qc_type	NM
units	UG/KG
Pct_Solids	39.3
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
NITROBENZENE	840	U	
N-NITROSODIMETHYLAMINE	840	U	
N-NITROSO-DI-N-PROPYLAMINE	840	U	
N-NITROSODIPHENYLAMINE	840	U	
PENTACHLOROPHENOL	2100	U	
PHENANTHRENE	220	J	P
PHENOL	840	U	
PYRENE	830	J	P
PYRIDINE	840	U	

PROJ_NO: 00275

SDG: MID-6 MEDIA: SOIL DATA FRACTION: OS

nsample	SD-35-SS
samp_date	10/21/2005
lab_id	WV5605-20
qc_type	NM
units	UG/KG
Pct_Solids	26.6
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	1200	UJ	Y
1,2-DICHLOROBENZENE	1200	UJ	Y
1,3-DICHLOROBENZENE	1200	UJ	Y
1,4-DICHLOROBENZENE	110	B	A
1,4-DIOXANE	1200	UJ	Y
1-METHYLNAPHTHALENE	1200	UJ	Y
2,2'-OXYBIS(1-CHLOROPROPANE)	1200	UJ	Y
2,4,5-TRICHLOROPHENOL	3100	UJ	Y
2,4,6-TRICHLOROPHENOL	1200	UJ	Y
2,4-DICHLOROPHENOL	1200	UJ	Y
2,4-DIMETHYLPHENOL	1200	UJ	Y
2,4-DINITROPHENOL	3100	UJ	Y
2,4-DINITROTOLUENE	1200	UJ	Y
2,6-DINITROTOLUENE	1200	UJ	Y
2-CHLORONAPHTHALENE	1200	UJ	Y
2-CHLOROPHENOL	1200	UJ	Y
2-METHYLNAPHTHALENE	1200	UJ	Y
2-METHYLPHENOL	1200	UJ	Y
2-NITROANILINE	3100	UJ	Y
2-NITROPHENOL	1200	UJ	Y
3&4-METHYLPHENOL	1200	UJ	Y
3,3'-DICHLOROBENZIDINE	1200	UJ	Y
3-NITROANILINE	3100	UJ	Y
4,6-DINITRO-2-METHYLPHENOL	3100	UJ	Y
4-BROMOPHENYL PHENYL ETHER	1200	UJ	Y
4-CHLORO-3-METHYLPHENOL	1200	UJ	Y
4-CHLOROANILINE	1200	UJ	Y
4-CHLOROPHENYL PHENYL ETHER	1200	UJ	Y
4-NITROANILINE	3100	UJ	Y
4-NITROPHENOL	3100	UJ	Y
ACENAPHTHENE	1200	UJ	Y
ACENAPHTHYLENE	1200	UJ	Y

nsample	SD-35-SS
samp_date	10/21/2005
lab_id	WV5605-20
qc_type	NM
units	UG/KG
Pct_Solids	26.6
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANILINE	1200	UJ	Y
ANTHRACENE	1200	UJ	Y
AZOBENZENE	1200	UJ	Y
BENZIDINE	3100	UJ	Y
BENZO(A)ANTHRACENE	1200	UJ	Y
BENZO(A)PYRENE	170	J	PY
BENZO(B)FLUORANTHENE	300	J	PY
BENZO(G,H,I)PERYLENE	1200	UJ	Y
BENZO(K)FLUORANTHENE	1200	UJ	Y
BENZOIC ACID	3100	UJ	Y
BENZYL ALCOHOL	1200	UJ	CY
BIS(2-CHLOROETHOXY)METHANE	1200	UJ	Y
BIS(2-CHLOROETHYL)ETHER	1200	UJ	Y
BIS(2-ETHYLHEXYL)PHTHALATE	1600	J	Y
BUTYL BENZYL PHTHALATE	1200	UJ	Y
CARBAZOLE	1200	UJ	Y
CHRYSENE	1200	UJ	Y
DIBENZO(A,H)ANTHRACENE	1200	UJ	Y
DIBENZOFURAN	1200	UJ	Y
DIETHYL PHTHALATE	1200	UJ	Y
DIMETHYL PHTHALATE	1200	UJ	Y
DI-N-BUTYL PHTHALATE	1200	UJ	Y
DI-N-OCTYL PHTHALATE	1200	UJ	Y
FLUORANTHENE	310	J	PY
FLUORENE	1200	UJ	Y
HEXACHLOROBENZENE	1200	UJ	Y
HEXACHLOROBUTADIENE	1200	UJ	Y
HEXACHLOROCYCLOPENTADIENE	1200	UJ	Y
HEXACHLOROETHANE	1200	UJ	Y
INDENO(1,2,3-CD)PYRENE	1200	UJ	Y
ISOPHORONE	1200	UJ	Y
NAPHTHALENE	1200	UJ	Y

nsample	SD-35-SS
samp_date	10/21/2005
lab_id	WV5605-20
qc_type	NM
units	UG/KG
Pct_Solids	26.6
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
NITROBENZENE	1200	UJ	Y
N-NITROSODIMETHYLAMINE	1200	UJ	Y
N-NITROSO-DI-N-PROPYLAMINE	1200	UJ	Y
N-NITROSODIPHENYLAMINE	1200	UJ	Y
PENTACHLOROPHENOL	3100	UJ	Y
PHENANTHRENE	1200	UJ	Y
PHENOL	1200	UJ	Y
PYRENE	440	J	PY
PYRIDINE	1200	UJ	Y

PROJ_NO: 00275

SDG: MID-6 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	SD-24-SS	nsample	SD-25-SS	nsample	SD-26-SS
samp_date	10/21/2005	samp_date	10/21/2005	samp_date	10/21/2005
lab_id	WV5605-1	lab_id	WV5605-2	lab_id	WV5605-3
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	68.5	Pct_Solids	42.5	Pct_Solids	22.3
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	25	U	
AROCLOR-1221	25	U	
AROCLOR-1232	25	U	
AROCLOR-1242	25	U	
AROCLOR-1248	25	U	
AROCLOR-1254	25	U	
AROCLOR-1260	190	J	C

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	40	U	
AROCLOR-1221	40	U	
AROCLOR-1232	40	U	
AROCLOR-1242	40	U	
AROCLOR-1248	40	U	
AROCLOR-1254	40	U	
AROCLOR-1260	1300	J	C

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	76	UJ	Y
AROCLOR-1221	76	UJ	Y
AROCLOR-1232	76	UJ	Y
AROCLOR-1242	76	UJ	Y
AROCLOR-1248	76	UJ	Y
AROCLOR-1254	76	UJ	Y
AROCLOR-1260	1500	J	CY

PROJ_NO: 00275

SDG: MID-6 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	SD-27-01	nsample	SD-27-02	nsample	SD-27-SSDL
samp_date	10/21/2005	samp_date	10/21/2005	samp_date	10/21/2005
lab_id	WV5605-5	lab_id	WV5605-6	lab_id	WV5605-4DL
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	35.2	Pct_Solids	72.3	Pct_Solids	35.3
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	48	U	
AROCLOR-1221	48	U	
AROCLOR-1232	48	U	
AROCLOR-1242	48	U	
AROCLOR-1248	48	U	
AROCLOR-1254	48	U	
AROCLOR-1260	670	J	C

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	24	U	
AROCLOR-1221	24	U	
AROCLOR-1232	24	U	
AROCLOR-1242	24	U	
AROCLOR-1248	24	U	
AROCLOR-1254	24	U	
AROCLOR-1260	67	J	C

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	2400	UJ	D
AROCLOR-1221	2400	UJ	D
AROCLOR-1232	2400	UJ	D
AROCLOR-1242	2400	UJ	D
AROCLOR-1248	2400	UJ	D
AROCLOR-1254	2400	UJ	D
AROCLOR-1260	20000	J	D

PROJ_NO: 00275

SDG: MID-6 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	SD-28-01	nsample	SD-28-02	nsample	SD-28-SS
samp_date	10/21/2005	samp_date	10/21/2005	samp_date	10/21/2005
lab_id	WV5605-8	lab_id	WV5605-9	lab_id	WV5605-7
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	38.6	Pct_Solids	44.3	Pct_Solids	28.9
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	44	U	
AROCLOR-1221	44	U	
AROCLOR-1232	44	U	
AROCLOR-1242	44	U	
AROCLOR-1248	44	U	
AROCLOR-1254	44	U	
AROCLOR-1260	610	J	U

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	38	U	
AROCLOR-1221	38	U	
AROCLOR-1232	38	U	
AROCLOR-1242	38	U	
AROCLOR-1248	38	U	
AROCLOR-1254	38	U	
AROCLOR-1260	38	U	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	59	UJ	Y
AROCLOR-1221	59	UJ	Y
AROCLOR-1232	59	UJ	Y
AROCLOR-1242	59	UJ	Y
AROCLOR-1248	59	UJ	Y
AROCLOR-1254	59	UJ	Y
AROCLOR-1260	790	J	Y

PROJ_NO: 00275

SDG: MID-6 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	SD-29-01	nsample	SD-29-02	nsample	SD-29-SS
samp_date	10/21/2005	samp_date	10/21/2005	samp_date	10/21/2005
lab_id	WV5605-11	lab_id	WV5605-12	lab_id	WV5605-10
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	36.4	Pct_Solids	57.8	Pct_Solids	33.5
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	47	U	
AROCLOR-1221	47	U	
AROCLOR-1232	47	U	
AROCLOR-1242	47	U	
AROCLOR-1248	47	U	
AROCLOR-1254	47	U	
AROCLOR-1260	210		

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	29	U	
AROCLOR-1221	29	U	
AROCLOR-1232	29	U	
AROCLOR-1242	29	U	
AROCLOR-1248	29	U	
AROCLOR-1254	29	U	
AROCLOR-1260	29	U	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	51	U	
AROCLOR-1221	51	U	
AROCLOR-1232	51	U	
AROCLOR-1242	51	U	
AROCLOR-1248	51	U	
AROCLOR-1254	51	U	
AROCLOR-1260	2500		

PROJ_NO: 00275

SDG: MID-6 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	SD-30-SS	nsample	SD-31-01	nsample	SD-31-02
samp_date	10/21/2005	samp_date	10/21/2005	samp_date	10/21/2005
lab_id	WV5605-13	lab_id	WV5605-15	lab_id	WV5605-16
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	24.8	Pct_Solids	44.6	Pct_Solids	32.4
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	68	UJ	Y
AROCLOR-1221	68	UJ	Y
AROCLOR-1232	68	UJ	Y
AROCLOR-1242	68	UJ	Y
AROCLOR-1248	68	UJ	Y
AROCLOR-1254	68	UJ	Y
AROCLOR-1260	1400	J	Y

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	38	U	
AROCLOR-1221	38	U	
AROCLOR-1232	38	U	
AROCLOR-1242	38	U	
AROCLOR-1248	38	U	
AROCLOR-1254	38	U	
AROCLOR-1260	38	U	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	52	U	
AROCLOR-1221	52	U	
AROCLOR-1232	52	U	
AROCLOR-1242	52	U	
AROCLOR-1248	52	U	
AROCLOR-1254	52	U	
AROCLOR-1260	75		

PROJ_NO: 00275

SDG: MID-6 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	SD-31-SS	nsample	SD-32-SS	nsample	SD-33-SS
samp_date	10/21/2005	samp_date	10/21/2005	samp_date	10/21/2005
lab_id	WV5605-14	lab_id	WV5605-17	lab_id	WV5605-18
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	38.1	Pct_Solids	20.0	Pct_Solids	24.5
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	44	U	
AROCLOR-1221	44	U	
AROCLOR-1232	44	U	
AROCLOR-1242	44	U	
AROCLOR-1248	44	U	
AROCLOR-1254	44	U	
AROCLOR-1260	170		

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	85	UJ	Y
AROCLOR-1221	85	UJ	Y
AROCLOR-1232	85	UJ	Y
AROCLOR-1242	85	UJ	Y
AROCLOR-1248	85	UJ	Y
AROCLOR-1254	85	UJ	Y
AROCLOR-1260	620	J	Y

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	69	UJ	Y
AROCLOR-1221	69	UJ	Y
AROCLOR-1232	69	UJ	Y
AROCLOR-1242	69	UJ	Y
AROCLOR-1248	69	UJ	Y
AROCLOR-1254	69	UJ	Y
AROCLOR-1260	720	J	Y

PROJ_NO: 00275

SDG: MID-6 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	SD-34-SS	nsample	SD-35-SS
samp_date	10/21/2005	samp_date	10/21/2005
lab_id	WV5605-19	lab_id	WV5605-20
qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG
Pct_Solids	39.3	Pct_Solids	26.6
DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	43	U	
AROCLOR-1221	43	U	
AROCLOR-1232	43	U	
AROCLOR-1242	43	U	
AROCLOR-1248	43	U	
AROCLOR-1254	43	U	
AROCLOR-1260	290		

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	64	UJ	Y
AROCLOR-1221	64	UJ	Y
AROCLOR-1232	64	UJ	Y
AROCLOR-1242	64	UJ	Y
AROCLOR-1248	64	UJ	Y
AROCLOR-1254	64	UJ	Y
AROCLOR-1260	370	J	Y

Appendix B

Results as Reported by the Laboratory

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: Middle River
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 27-OCT-2005 09:12
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 68.5

Lab ID: WV5605-1
Client ID: SD-24-SS
SDG: MID-6
Extracted by:
Extraction Method: SW846 5035
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22091
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	15	1.0	10	15	3
74-87-3	Chloromethane	U	15	1.0	10	15	1
75-01-4	Vinyl chloride	U	15	1.0	10	15	3
74-83-9	Bromomethane	U	15	1.0	10	15	3
75-00-3	Chloroethane	U	15	1.0	10	15	2
75-69-4	Trichlorofluoromethane	U	15	1.0	10	15	3
75-65-0	Tertiary-butyl alcohol	U	15	1.0	10	15	10
75-35-4	1,1-Dichloroethene	U	7	1.0	5	7	1
75-15-0	Carbon Disulfide	U	7	1.0	5	7	2
76-13-1	Freon-113	U	7	1.0	5	7	2
75-09-2	Methylene Chloride	JB	6	1.0	5	7	3
67-64-1	Acetone	JB	13	1.0	25	36	6
156-60-5	trans-1,2-Dichloroethene	U	7	1.0	5	7	1
1634-04-4	Methyl tert-butyl ether	U	15	1.0	10	15	1.0
108-20-3	Di-isopropyl ether	U	7	1.0	5	7	0.5
75-34-3	1,1-Dichloroethane	U	7	1.0	5	7	2
637-92-3	Ethyl tertiary-butyl ether	U	7	1.0	5	7	0.4
108-05-4	Vinyl Acetate	U	7	1.0	5	7	0.4
156-59-2	cis-1,2-Dichloroethene	U	7	1.0	5	7	1.0
540-59-0	1,2-Dichloroethylene (total)	U	15	1.0	10	15	2
594-20-7	2,2-Dichloropropane	U	7	1.0	5	7	2
74-97-5	Bromochloromethane	U	7	1.0	5	7	2
67-66-3	Chloroform	U	7	1.0	5	7	1
56-23-5	Carbon Tetrachloride	U	7	1.0	5	7	4
71-55-6	1,1,1-Trichloroethane	U	7	1.0	5	7	2
563-58-6	1,1-Dichloropropene	U	7	1.0	5	7	2
78-93-3	2-Butanone	U	36	1.0	25	36	4
71-43-2	Benzene	U	7	1.0	5	7	1
994-05-8	Tertiary-amyl methyl ether	U	7	1.0	5	7	0.6
107-06-2	1,2-Dichloroethane	U	7	1.0	5	7	0.9
79-01-6	Trichloroethene	U	7	1.0	5	7	1
74-95-3	Dibromomethane	U	7	1.0	5	7	0.7
78-87-5	1,2-Dichloropropane	U	7	1.0	5	7	1
75-27-4	Bromodichloromethane	U	7	1.0	5	7	0.8
10061-01-5	cis-1,3-dichloropropene	U	7	1.0	5	7	0.5
110-75-8	2-Chloroethylvinylether	U	7	1.0	5	7	1
108-88-3	Toluene	U	7	1.0	5	7	1
108-10-1	4-methyl-2-pentanone	U	36	1.0	25	36	6
127-18-4	Tetrachloroethene	U	7	1.0	5	7	2
10061-02-6	trans-1,3-Dichloropropene	U	7	1.0	5	7	0.8
124-48-1	Dibromochloromethane	U	7	1.0	5	7	0.8
142-28-9	1,3-Dichloropropane	U	7	1.0	5	7	0.5
106-93-4	1,2-Dibromoethane	U	7	1.0	5	7	0.7

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: Middle River
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 27-OCT-2005 09:12
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 68.5

Lab ID: WV5605-1
Client ID: SD-24-SS
SDG: MID-6
Extracted by:
Extraction Method: SW846 5035
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22091
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	36	1.0	25	36	6
108-90-7	Chlorobenzene	U	7	1.0	5	7	1.0
100-41-4	Ethylbenzene	U	7	1.0	5	7	1
630-20-6	1,1,1,2-Tetrachloroethane	U	7	1.0	5	7	0.8
1330-20-7	Xylenes (total)	U	22	1.0	15	22	3
	m+p-Xylenes	U	15	1.0	10	15	2
95-47-6	o-Xylene	U	7	1.0	5	7	0.9
100-42-5	Styrene	U	7	1.0	5	7	0.5
75-25-2	Bromoform	U	7	1.0	5	7	0.9
98-82-8	Isopropylbenzene	U	7	1.0	5	7	1
108-86-1	Bromobenzene	U	7	1.0	5	7	1
103-65-1	N-Propylbenzene	U	7	1.0	5	7	1
79-34-5	1,1,2,2-Tetrachloroethane	U	7	1.0	5	7	2
95-49-8	2-Chlorotoluene	U	7	1.0	5	7	1.0
96-18-4	1,2,3-Trichloropropane	U	7	1.0	5	7	1
106-43-4	4-Chlorotoluene	U	7	1.0	5	7	0.7
98-06-6	tert-Butylbenzene	U	7	1.0	5	7	1.0
95-63-6	1,2,4-Trimethylbenzene	U	7	1.0	5	7	0.8
99-87-6	P-Isopropyltoluene	U	7	1.0	5	7	1.0
541-73-1	1,3-Dichlorobenzene	U	7	1.0	5	7	0.5
106-46-7	1,4-Dichlorobenzene	U	7	1.0	5	7	0.4
104-51-8	N-Butylbenzene	U	7	1.0	5	7	1.0
135-98-8	sec-Butylbenzene	U	7	1.0	5	7	1
95-50-1	1,2-Dichlorobenzene	U	7	1.0	5	7	0.4
96-12-8	1,2-Dibromo-3-Chloropropane	U	7	1.0	5	7	1
87-68-3	Hexachlorobutadiene	U	7	1.0	5	7	1
120-82-1	1,2,4-Trichlorobenzene	U	7	1.0	5	7	1
526-73-8	1,2,3-Trimethylbenzene	U	7	1.0	5	7	0.5
91-20-3	Naphthalene	U	7	1.0	5	7	2
87-61-6	1,2,3-Trichlorobenzene	U	7	1.0	5	7	2
1868-53-7	Dibromofluoromethane		82%				
17060-07-0	1,2-Dichloroethane-D4		86%				
2037-26-5	Toluene-D8		92%				
460-00-4	P-Bromofluorobenzene		81%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-24-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Matrix: (soil/water) SOIL Lab Sample ID: WV5605-1

Sample wt/vol: 5.000(g/mL) G Lab File ID: Z8036

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: not dec. 32 Date Analyzed: 10/27/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
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FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: Middle River
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 27-OCT-2005 09:51
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 42.5

Lab ID: WV5605-2
Client ID: SD-25-SS
SDG: MID-6
Extracted by:
Extraction Method: SW846 5035
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22091
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	23	1.0	10	23	4
74-87-3	Chloromethane	U	23	1.0	10	23	2
75-01-4	Vinyl chloride	U	23	1.0	10	23	4
74-83-9	Bromomethane	U	23	1.0	10	23	5
75-00-3	Chloroethane	U	23	1.0	10	23	3
75-69-4	Trichlorofluoromethane	U	23	1.0	10	23	4
75-65-0	Tertiary-butyl alcohol	U	23	1.0	10	23	16
75-35-4	1,1-Dichloroethene	U	12	1.0	5	12	2
75-15-0	Carbon Disulfide	U	12	1.0	5	12	3
76-13-1	Freon-113	U	12	1.0	5	12	4
75-09-2	Methylene Chloride	JB	9	1.0	5	12	5
67-64-1	Acetone	JB	47	1.0	25	58	10
156-60-5	trans-1,2-Dichloroethene	U	12	1.0	5	12	2
1634-04-4	Methyl tert-butyl ether	J	3	1.0	10	23	2
108-20-3	Di-isopropyl ether	U	12	1.0	5	12	0.8
75-34-3	1,1-Dichloroethane	U	12	1.0	5	12	2
637-92-3	Ethyl tertiary-butyl ether	U	12	1.0	5	12	0.6
108-05-4	Vinyl Acetate	U	12	1.0	5	12	0.6
156-59-2	cis-1,2-Dichloroethene	U	12	1.0	5	12	2
540-59-0	1,2-Dichloroethylene (total)	U	23	1.0	10	23	4
594-20-7	2,2-Dichloropropane	U	12	1.0	5	12	3
74-97-5	Bromochloromethane	U	12	1.0	5	12	3
67-66-3	Chloroform	U	12	1.0	5	12	2
56-23-5	Carbon Tetrachloride	U	12	1.0	5	12	7
71-55-6	1,1,1-Trichloroethane	U	12	1.0	5	12	3
563-58-6	1,1-Dichloropropene	U	12	1.0	5	12	3
78-93-3	2-Butanone	U	58	1.0	25	58	7
71-43-2	Benzene	U	12	1.0	5	12	2
994-05-8	Tertiary-amyl methyl ether	U	12	1.0	5	12	0.9
107-06-2	1,2-Dichloroethane	U	12	1.0	5	12	1
79-01-6	Trichloroethene	U	12	1.0	5	12	2
74-95-3	Dibromomethane	U	12	1.0	5	12	1
78-87-5	1,2-Dichloropropane	U	12	1.0	5	12	2
75-27-4	Bromodichloromethane	U	12	1.0	5	12	1
10061-01-5	cis-1,3-dichloropropene	U	12	1.0	5	12	0.8
110-75-8	2-Chloroethylvinylether	U	12	1.0	5	12	2
108-88-3	Toluene	U	12	1.0	5	12	2
108-10-1	4-methyl-2-pentanone	U	58	1.0	25	58	10
127-18-4	Tetrachloroethene	U	12	1.0	5	12	3
10061-02-6	trans-1,3-Dichloropropene	U	12	1.0	5	12	1
124-48-1	Dibromochloromethane	U	12	1.0	5	12	1
142-28-9	1,3-Dichloropropane	U	12	1.0	5	12	0.8
106-93-4	1,2-Dibromoethane	U	12	1.0	5	12	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: Middle River
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 27-OCT-2005 09:51
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 42.5

Lab ID: WV5605-2
Client ID: SD-25-SS
SDG: MID-6
Extracted by:
Extraction Method: SW846 5035
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22091
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	58	1.0	25	58	9
108-90-7	Chlorobenzene	U	12	1.0	5	12	2
100-41-4	Ethylbenzene	U	12	1.0	5	12	2
630-20-6	1,1,1,2-Tetrachloroethane	U	12	1.0	5	12	1
1330-20-7	Xylenes (total)	U	35	1.0	15	35	4
	m+p-Xylenes	U	23	1.0	10	23	3
95-47-6	o-Xylene	U	12	1.0	5	12	1
100-42-5	Styrene	U	12	1.0	5	12	0.7
75-25-2	Bromoform	U	12	1.0	5	12	1
98-82-8	Isopropylbenzene	U	12	1.0	5	12	2
108-86-1	Bromobenzene	U	12	1.0	5	12	2
103-65-1	N-Propylbenzene	U	12	1.0	5	12	2
79-34-5	1,1,2,2-Tetrachloroethane	U	12	1.0	5	12	3
95-49-8	2-Chlorotoluene	U	12	1.0	5	12	2
96-18-4	1,2,3-Trichloropropane	U	12	1.0	5	12	2
106-43-4	4-Chlorotoluene	U	12	1.0	5	12	1
98-06-6	tert-Butylbenzene	U	12	1.0	5	12	2
95-63-6	1,2,4-Trimethylbenzene	U	12	1.0	5	12	1
99-87-6	P-Isopropyltoluene	U	12	1.0	5	12	2
541-73-1	1,3-Dichlorobenzene	U	12	1.0	5	12	0.8
106-46-7	1,4-Dichlorobenzene	U	12	1.0	5	12	0.6
104-51-8	N-Butylbenzene	U	12	1.0	5	12	2
135-98-8	sec-Butylbenzene	U	12	1.0	5	12	2
95-50-1	1,2-Dichlorobenzene	U	12	1.0	5	12	0.7
96-12-8	1,2-Dibromo-3-Chloropropane	U	12	1.0	5	12	2
87-68-3	Hexachlorobutadiene	U	12	1.0	5	12	2
120-82-1	1,2,4-Trichlorobenzene	U	12	1.0	5	12	2
526-73-8	1,2,3-Trimethylbenzene	U	12	1.0	5	12	0.8
91-20-3	Naphthalene	U	12	1.0	5	12	4
87-61-6	1,2,3-Trichlorobenzene	U	12	1.0	5	12	3
1868-53-7	Dibromofluoromethane		69%				
17060-07-0	1,2-Dichloroethane-D4		86%				
2037-26-5	Toluene-D8		92%				
460-00-4	P-Bromofluorobenzene		71%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-25-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Matrix: (soil/water) SOIL Lab Sample ID: WV5605-2

Sample wt/vol: 5.100(g/mL) G Lab File ID: Z8037

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: not dec. 58 Date Analyzed: 10/27/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: Middle River
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 27-OCT-2005 10:31
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 22.3

Lab ID: WV5605-3
Client ID: SD-26-SS
SDG: MID-6
Extracted by:
Extraction Method: SW846 5035
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22091
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	46	1.0	10	46	8
74-87-3	Chloromethane	U	46	1.0	10	46	4
75-01-4	Vinyl chloride	U	46	1.0	10	46	8
74-83-9	Bromomethane	U	46	1.0	10	46	9
75-00-3	Chloroethane	U	46	1.0	10	46	7
75-69-4	Trichlorofluoromethane	U	46	1.0	10	46	8
75-65-0	Tertiary-butyl alcohol	U	46	1.0	10	46	32
75-35-4	1,1-Dichloroethene	U	23	1.0	5	23	4
75-15-0	Carbon Disulfide	U	23	1.0	5	23	7
76-13-1	Freon-113	U	23	1.0	5	23	8
75-09-2	Methylene Chloride	JB	23	1.0	5	23	9
67-64-1	Acetone	JB	65	1.0	25	110	19
156-60-5	trans-1,2-Dichloroethene	U	23	1.0	5	23	4
1634-04-4	Methyl tert-butyl ether	J	8	1.0	10	46	3
108-20-3	Di-isopropyl ether	U	23	1.0	5	23	2
75-34-3	1,1-Dichloroethane	U	23	1.0	5	23	5
637-92-3	Ethyl tertiary-butyl ether	U	23	1.0	5	23	1
108-05-4	Vinyl Acetate	U	23	1.0	5	23	1
156-59-2	cis-1,2-Dichloroethene	U	23	1.0	5	23	3
540-59-0	1,2-Dichloroethylene (total)	U	46	1.0	10	46	7
594-20-7	2,2-Dichloropropane	U	23	1.0	5	23	7
74-97-5	Bromochloromethane	U	23	1.0	5	23	6
67-66-3	Chloroform	U	23	1.0	5	23	4
56-23-5	Carbon Tetrachloride	U	23	1.0	5	23	14
71-55-6	1,1,1-Trichloroethane	U	23	1.0	5	23	6
563-58-6	1,1-Dichloropropene	U	23	1.0	5	23	6
78-93-3	2-Butanone	U	110	1.0	25	110	14
71-43-2	Benzene	U	23	1.0	5	23	4
994-05-8	Tertiary-amyl methyl ether	U	23	1.0	5	23	2
107-06-2	1,2-Dichloroethane	U	23	1.0	5	23	3
79-01-6	Trichloroethene	U	23	1.0	5	23	4
74-95-3	Dibromomethane	U	23	1.0	5	23	2
78-87-5	1,2-Dichloropropane	U	23	1.0	5	23	3
75-27-4	Bromodichloromethane	U	23	1.0	5	23	2
10061-01-5	cis-1,3-dichloropropene	U	23	1.0	5	23	2
110-75-8	2-Chloroethylvinylether	U	23	1.0	5	23	4
108-88-3	Toluene	U	23	1.0	5	23	4
108-10-1	4-methyl-2-pentanone	U	110	1.0	25	110	19
127-18-4	Tetrachloroethene	U	23	1.0	5	23	6
10061-02-6	trans-1,3-Dichloropropene	U	23	1.0	5	23	2
124-48-1	Dibromochloromethane	U	23	1.0	5	23	2
142-28-9	1,3-Dichloropropane	U	23	1.0	5	23	2
106-93-4	1,2-Dibromoethane	U	23	1.0	5	23	2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: Middle River
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 27-OCT-2005 10:31
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 22.3

Lab ID: WV5605-3
Client ID: SD-26-SS
SDG: MID-6
Extracted by:
Extraction Method: SW846 5035
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22091
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	110	1.0	25	110	18
108-90-7	Chlorobenzene	U	23	1.0	5	23	3
100-41-4	Ethylbenzene	U	23	1.0	5	23	3
630-20-6	1,1,1,2-Tetrachloroethane	U	23	1.0	5	23	2
1330-20-7	Xylenes (total)	U	68	1.0	15	68	8
	m+p-Xylenes	U	46	1.0	10	46	6
95-47-6	o-Xylene	U	23	1.0	5	23	3
100-42-5	Styrene	U	23	1.0	5	23	1
75-25-2	Bromoform	U	23	1.0	5	23	3
98-82-8	Isopropylbenzene	U	23	1.0	5	23	4
108-86-1	Bromobenzene	U	23	1.0	5	23	4
103-65-1	N-Propylbenzene	U	23	1.0	5	23	3
79-34-5	1,1,2,2-Tetrachloroethane	U	23	1.0	5	23	5
95-49-8	2-Chlorotoluene	U	23	1.0	5	23	3
96-18-4	1,2,3-Trichloropropane	U	23	1.0	5	23	3
106-43-4	4-Chlorotoluene	U	23	1.0	5	23	2
98-06-6	tert-Butylbenzene	U	23	1.0	5	23	3
95-63-6	1,2,4-Trimethylbenzene	U	23	1.0	5	23	2
99-87-6	P-Isopropyltoluene	U	23	1.0	5	23	3
541-73-1	1,3-Dichlorobenzene	U	23	1.0	5	23	2
106-46-7	1,4-Dichlorobenzene	U	23	1.0	5	23	1
104-51-8	N-Butylbenzene	U	23	1.0	5	23	3
135-98-8	sec-Butylbenzene	U	23	1.0	5	23	4
95-50-1	1,2-Dichlorobenzene	U	23	1.0	5	23	1
96-12-8	1,2-Dibromo-3-Chloropropane	U	23	1.0	5	23	4
87-68-3	Hexachlorobutadiene	U	23	1.0	5	23	4
120-82-1	1,2,4-Trichlorobenzene	U	23	1.0	5	23	4
526-73-8	1,2,3-Trimethylbenzene	U	23	1.0	5	23	2
91-20-3	Naphthalene	U	23	1.0	5	23	7
87-61-6	1,2,3-Trichlorobenzene	U	23	1.0	5	23	6
1868-53-7	Dibromofluoromethane		71%				
17060-07-0	1,2-Dichloroethane-D4		89%				
2037-26-5	Toluene-D8		103%				
460-00-4	P-Bromofluorobenzene		74%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-26-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Matrix: (soil/water) SOIL Lab Sample ID: WV5605-3

Sample wt/vol: 4.900(g/mL) G Lab File ID: Z8038

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: not dec. 78 Date Analyzed: 10/27/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
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FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: Middle River
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 27-OCT-2005 11:51
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 35.2

Lab ID: WV5605-5
Client ID: SD-27-01
SDG: MID-6
Extracted by:
Extraction Method: SW846 5035
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22091
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	28	1.0	10	28	5
74-87-3	Chloromethane	U	28	1.0	10	28	3
75-01-4	Vinyl chloride	U	28	1.0	10	28	5
74-83-9	Bromomethane	U	28	1.0	10	28	6
75-00-3	Chloroethane	U	28	1.0	10	28	4
75-69-4	Trichlorofluoromethane	U	28	1.0	10	28	5
75-65-0	Tertiary-butyl alcohol	U	28	1.0	10	28	19
75-35-4	1,1-Dichloroethene	U	14	1.0	5	14	3
75-15-0	Carbon Disulfide	U	14	1.0	5	14	4
76-13-1	Freon-113	U	14	1.0	5	14	5
75-09-2	Methylene Chloride	U	14	1.0	5	14	6
67-64-1	Acetone	JB	50	1.0	25	70	12
156-60-5	trans-1,2-Dichloroethene	U	14	1.0	5	14	2
1634-04-4	Methyl tert-butyl ether	U	28	1.0	10	28	2
108-20-3	Di-isopropyl ether	U	14	1.0	5	14	1
75-34-3	1,1-Dichloroethane	U	14	1.0	5	14	3
637-92-3	Ethyl tertiary-butyl ether	U	14	1.0	5	14	0.8
108-05-4	Vinyl Acetate	U	14	1.0	5	14	0.7
156-59-2	cis-1,2-Dichloroethene	U	14	1.0	5	14	2
540-59-0	1,2-Dichloroethylene (total)	U	28	1.0	10	28	4
594-20-7	2,2-Dichloropropane	U	14	1.0	5	14	4
74-97-5	Bromochloromethane	U	14	1.0	5	14	3
67-66-3	Chloroform	U	14	1.0	5	14	2
56-23-5	Carbon Tetrachloride	U	14	1.0	5	14	8
71-55-6	1,1,1-Trichloroethane	U	14	1.0	5	14	4
563-58-6	1,1-Dichloropropene	U	14	1.0	5	14	4
78-93-3	2-Butanone	U	70	1.0	25	70	9
71-43-2	Benzene	U	14	1.0	5	14	2
994-05-8	Tertiary-amyl methyl ether	U	14	1.0	5	14	1
107-06-2	1,2-Dichloroethane	U	14	1.0	5	14	2
79-01-6	Trichloroethene	U	14	1.0	5	14	2
74-95-3	Dibromomethane	U	14	1.0	5	14	1
78-87-5	1,2-Dichloropropane	U	14	1.0	5	14	2
75-27-4	Bromodichloromethane	U	14	1.0	5	14	1
10061-01-5	cis-1,3-dichloropropene	U	14	1.0	5	14	0.9
110-75-8	2-Chloroethylvinylether	U	14	1.0	5	14	3
108-88-3	Toluene	U	14	1.0	5	14	2
108-10-1	4-methyl-2-pentanone	U	70	1.0	25	70	12
127-18-4	Tetrachloroethene	U	14	1.0	5	14	3
10061-02-6	trans-1,3-Dichloropropene	U	14	1.0	5	14	2
124-48-1	Dibromochloromethane	U	14	1.0	5	14	1
142-28-9	1,3-Dichloropropane	U	14	1.0	5	14	0.9
106-93-4	1,2-Dibromoethane	U	14	1.0	5	14	1

Sample Data Summary A0000015

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: Middle River
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 27-OCT-2005 11:51
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 35.2

Lab ID: WV5605-5
Client ID: SD-27-01
SDG: MID-6
Extracted by:
Extraction Method: SW846 5035
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22091
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	70	1.0	25	70	11
108-90-7	Chlorobenzene	U	14	1.0	5	14	2
100-41-4	Ethylbenzene	U	14	1.0	5	14	2
630-20-6	1,1,1,2-Tetrachloroethane	U	14	1.0	5	14	1
1330-20-7	Xylenes (total)	U	42	1.0	15	42	5
	m+p-Xylenes	U	28	1.0	10	28	4
95-47-6	o-Xylene	U	14	1.0	5	14	2
100-42-5	Styrene	U	14	1.0	5	14	0.9
75-25-2	Bromoform	U	14	1.0	5	14	2
98-82-8	Isopropylbenzene	U	14	1.0	5	14	2
108-86-1	Bromobenzene	U	14	1.0	5	14	3
103-65-1	N-Propylbenzene	U	14	1.0	5	14	2
79-34-5	1,1,2,2-Tetrachloroethane	U	14	1.0	5	14	3
95-49-8	2-Chlorotoluene	U	14	1.0	5	14	2
96-18-4	1,2,3-Trichloropropane	U	14	1.0	5	14	2
106-43-4	4-Chlorotoluene	U	14	1.0	5	14	1
98-06-6	tert-Butylbenzene	U	14	1.0	5	14	2
95-63-6	1,2,4-Trimethylbenzene	U	14	1.0	5	14	2
99-87-6	P-Isopropyltoluene	U	14	1.0	5	14	2
541-73-1	1,3-Dichlorobenzene	U	14	1.0	5	14	0.9
106-46-7	1,4-Dichlorobenzene	U	14	1.0	5	14	0.7
104-51-8	N-Butylbenzene	U	14	1.0	5	14	2
135-98-8	sec-Butylbenzene	U	14	1.0	5	14	3
95-50-1	1,2-Dichlorobenzene	U	14	1.0	5	14	0.8
96-12-8	1,2-Dibromo-3-Chloropropane	U	14	1.0	5	14	2
87-68-3	Hexachlorobutadiene	U	14	1.0	5	14	2
120-82-1	1,2,4-Trichlorobenzene	U	14	1.0	5	14	2
526-73-8	1,2,3-Trimethylbenzene	U	14	1.0	5	14	0.9
91-20-3	Naphthalene	U	14	1.0	5	14	4
87-61-6	1,2,3-Trichlorobenzene	U	14	1.0	5	14	4
1868-53-7	Dibromofluoromethane		* 51%				
17060-07-0	1,2-Dichloroethane-D4		54%				
2037-26-5	Toluene-D8		* 59%				
460-00-4	P-Bromofluorobenzene		43%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-27-01

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Matrix: (soil/water) SOIL Lab Sample ID: WV5605-5

Sample wt/vol: 5.100(g/mL) G Lab File ID: Z8040

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: not dec. 65 Date Analyzed: 10/27/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
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FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: Middle River
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 27-OCT-2005 20:15
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 35.2

Lab ID: WV5605-5RA
Client ID: SD-27-01
SDG: MID-6
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22134
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	28	1.0	10	28	5
74-87-3	Chloromethane	U	28	1.0	10	28	3
75-01-4	Vinyl chloride	U	28	1.0	10	28	5
74-83-9	Bromomethane	U	28	1.0	10	28	6
75-00-3	Chloroethane	U	28	1.0	10	28	4
75-69-4	Trichlorofluoromethane	U	28	1.0	10	28	5
75-65-0	Tertiary-butyl alcohol	U	28	1.0	10	28	19
75-35-4	1,1-Dichloroethene	U	14	1.0	5	14	3
75-15-0	Carbon Disulfide	U	14	1.0	5	14	4
76-13-1	Freon-113	U	14	1.0	5	14	5
75-09-2	Methylene Chloride	JB	9	1.0	5	14	6
67-64-1	Acetone	B	120	1.0	25	70	12
156-60-5	trans-1,2-Dichloroethene	U	14	1.0	5	14	2
1634-04-4	Methyl tert-butyl ether	U	28	1.0	10	28	2
108-20-3	Di-isopropyl ether	U	14	1.0	5	14	1
75-34-3	1,1-Dichloroethane	U	14	1.0	5	14	3
637-92-3	Ethyl tertiary-butyl ether	U	14	1.0	5	14	0.8
108-05-4	Vinyl Acetate	U	14	1.0	5	14	0.7
156-59-2	cis-1,2-Dichloroethene	U	14	1.0	5	14	2
540-59-0	1,2-Dichloroethylene (total)	U	28	1.0	10	28	4
594-20-7	2,2-Dichloropropane	U	14	1.0	5	14	4
74-97-5	Bromochloromethane	U	14	1.0	5	14	3
67-66-3	Chloroform	U	14	1.0	5	14	2
56-23-5	Carbon Tetrachloride	U	14	1.0	5	14	8
71-55-6	1,1,1-Trichloroethane	U	14	1.0	5	14	4
563-58-6	1,1-Dichloropropene	U	14	1.0	5	14	4
78-93-3	2-Butanone	U	70	1.0	25	70	9
71-43-2	Benzene	U	14	1.0	5	14	2
994-05-8	Tertiary-amyl methyl ether	U	14	1.0	5	14	1
107-06-2	1,2-Dichloroethane	U	14	1.0	5	14	2
79-01-6	Trichloroethene	U	14	1.0	5	14	2
74-95-3	Dibromomethane	U	14	1.0	5	14	1
78-87-5	1,2-Dichloropropane	U	14	1.0	5	14	2
75-27-4	Bromodichloromethane	U	14	1.0	5	14	1
10061-01-5	cis-1,3-dichloropropene	U	14	1.0	5	14	0.9
110-75-8	2-Chloroethylvinylether	U	14	1.0	5	14	3
108-88-3	Toluene	U	14	1.0	5	14	2
108-10-1	4-methyl-2-pentanone	U	70	1.0	25	70	12
127-18-4	Tetrachloroethene	U	14	1.0	5	14	3
10061-02-6	trans-1,3-Dichloropropene	U	14	1.0	5	14	2
124-48-1	Dibromochloromethane	U	14	1.0	5	14	1
142-28-9	1,3-Dichloropropane	U	14	1.0	5	14	0.9
106-93-4	1,2-Dibromoethane	U	14	1.0	5	14	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: Middle River
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 27-OCT-2005 20:15
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 35.2

Lab ID: WV5605-5RA
Client ID: SD-27-01
SDG: MID-6
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22134
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	70	1.0	25	70	11
108-90-7	Chlorobenzene	U	14	1.0	5	14	2
100-41-4	Ethylbenzene	U	14	1.0	5	14	2
630-20-6	1,1,1,2-Tetrachloroethane	U	14	1.0	5	14	1
1330-20-7	Xylenes (total)	U	42	1.0	15	42	5
	m+p-Xylenes	U	28	1.0	10	28	4
95-47-6	o-Xylene	U	14	1.0	5	14	2
100-42-5	Styrene	U	14	1.0	5	14	0.9
75-25-2	Bromoform	U	14	1.0	5	14	2
98-82-8	Isopropylbenzene	U	14	1.0	5	14	2
108-86-1	Bromobenzene	U	14	1.0	5	14	3
103-65-1	N-Propylbenzene	U	14	1.0	5	14	2
79-34-5	1,1,2,2-Tetrachloroethane	U	14	1.0	5	14	3
95-49-8	2-Chlorotoluene	U	14	1.0	5	14	2
96-18-4	1,2,3-Trichloropropane	U	14	1.0	5	14	2
106-43-4	4-Chlorotoluene	U	14	1.0	5	14	1
98-06-6	tert-Butylbenzene	U	14	1.0	5	14	2
95-63-6	1,2,4-Trimethylbenzene	U	14	1.0	5	14	2
99-87-6	P-Isopropyltoluene	U	14	1.0	5	14	2
541-73-1	1,3-Dichlorobenzene	U	14	1.0	5	14	0.9
106-46-7	1,4-Dichlorobenzene	U	14	1.0	5	14	0.7
104-51-8	N-Butylbenzene	U	14	1.0	5	14	2
135-98-8	sec-Butylbenzene	U	14	1.0	5	14	3
95-50-1	1,2-Dichlorobenzene	U	14	1.0	5	14	0.8
96-12-8	1,2-Dibromo-3-Chloropropane	U	14	1.0	5	14	2
87-68-3	Hexachlorobutadiene	U	14	1.0	5	14	2
120-82-1	1,2,4-Trichlorobenzene	U	14	1.0	5	14	2
526-73-8	1,2,3-Trimethylbenzene	U	14	1.0	5	14	0.9
91-20-3	Naphthalene	U	14	1.0	5	14	4
87-61-6	1,2,3-Trichlorobenzene	U	14	1.0	5	14	4
1868-53-7	Dibromofluoromethane		* 54%				
17060-07-0	1,2-Dichloroethane-D4		67%				
2037-26-5	Toluene-D8		75%				
460-00-4	P-Bromofluorobenzene		52%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-27-01

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Matrix: (soil/water) SOIL Lab Sample ID: WV5605-5RA

Sample wt/vol: 5.100(g/mL) G Lab File ID: Z8052

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: not dec. 65 Date Analyzed: 10/27/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	13.53	20	J
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FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: Middle River
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 27-OCT-2005 12:31
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 72.3

Lab ID: WV5605-6
Client ID: SD-27-02
SDG: MID-6
Extracted by:
Extraction Method: SW846 5035
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22091
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	14	1.0	10	14	2
74-87-3	Chloromethane	U	14	1.0	10	14	1
75-01-4	Vinyl chloride	U	14	1.0	10	14	2
74-83-9	Bromomethane	U	14	1.0	10	14	3
75-00-3	Chloroethane	U	14	1.0	10	14	2
75-69-4	Trichlorofluoromethane	U	14	1.0	10	14	2
75-65-0	Tertiary-butyl alcohol	U	14	1.0	10	14	10
75-35-4	1,1-Dichloroethene	U	7	1.0	5	7	1
75-15-0	Carbon Disulfide	U	7	1.0	5	7	2
76-13-1	Freon-113	U	7	1.0	5	7	2
75-09-2	Methylene Chloride	JB	6	1.0	5	7	3
67-64-1	Acetone	JB	21	1.0	25	34	6
156-60-5	trans-1,2-Dichloroethene	U	7	1.0	5	7	1
1634-04-4	Methyl tert-butyl ether	U	14	1.0	10	14	0.9
108-20-3	Di-isopropyl ether	U	7	1.0	5	7	0.5
75-34-3	1,1-Dichloroethane	U	7	1.0	5	7	1
637-92-3	Ethyl tertiary-butyl ether	U	7	1.0	5	7	0.4
108-05-4	Vinyl Acetate	U	7	1.0	5	7	0.3
156-59-2	cis-1,2-Dichloroethene	U	7	1.0	5	7	0.9
540-59-0	1,2-Dichloroethylene (total)	U	14	1.0	10	14	2
594-20-7	2,2-Dichloropropane	U	7	1.0	5	7	2
74-97-5	Bromochloromethane	U	7	1.0	5	7	2
67-66-3	Chloroform	U	7	1.0	5	7	1
56-23-5	Carbon Tetrachloride	U	7	1.0	5	7	4
71-55-6	1,1,1-Trichloroethane	U	7	1.0	5	7	2
563-58-6	1,1-Dichloropropene	U	7	1.0	5	7	2
78-93-3	2-Butanone	U	34	1.0	25	34	4
71-43-2	Benzene	U	7	1.0	5	7	1
994-05-8	Tertiary-amyl methyl ether	U	7	1.0	5	7	0.5
107-06-2	1,2-Dichloroethane	U	7	1.0	5	7	0.8
79-01-6	Trichloroethene	U	7	1.0	5	7	1
74-95-3	Dibromomethane	U	7	1.0	5	7	0.6
78-87-5	1,2-Dichloropropane	U	7	1.0	5	7	1
75-27-4	Bromodichloromethane	U	7	1.0	5	7	0.7
10061-01-5	cis-1,3-dichloropropene	U	7	1.0	5	7	0.4
110-75-8	2-Chloroethylvinylether	U	7	1.0	5	7	1
108-88-3	Toluene	J	1	1.0	5	7	1
108-10-1	4-methyl-2-pentanone	U	34	1.0	25	34	6
127-18-4	Tetrachloroethene	U	7	1.0	5	7	2
10061-02-6	trans-1,3-Dichloropropene	U	7	1.0	5	7	0.8
124-48-1	Dibromochloromethane	U	7	1.0	5	7	0.7
142-28-9	1,3-Dichloropropane	U	7	1.0	5	7	0.5
106-93-4	1,2-Dibromoethane	U	7	1.0	5	7	0.6

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: Middle River
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 27-OCT-2005 12:31
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 72.3

Lab ID: WV5605-6
Client ID: SD-27-02
SDG: MID-6
Extracted by:
Extraction Method: SW846 5035
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22091
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	34	1.0	25	34	6
108-90-7	Chlorobenzene	J	7	1.0	5	7	0.9
100-41-4	Ethylbenzene	U	7	1.0	5	7	1
630-20-6	1,1,1,2-Tetrachloroethane	U	7	1.0	5	7	0.7
1330-20-7	Xylenes (total)	U	21	1.0	15	21	2
	m+p-Xylenes	U	14	1.0	10	14	2
95-47-6	o-Xylene	U	7	1.0	5	7	0.9
100-42-5	Styrene	U	7	1.0	5	7	0.4
75-25-2	Bromoform	U	7	1.0	5	7	0.8
98-82-8	Isopropylbenzene	U	7	1.0	5	7	1
108-86-1	Bromobenzene	U	7	1.0	5	7	1
103-65-1	N-Propylbenzene	U	7	1.0	5	7	1.0
79-34-5	1,1,2,2-Tetrachloroethane	U	7	1.0	5	7	2
95-49-8	2-Chlorotoluene	U	7	1.0	5	7	0.9
96-18-4	1,2,3-Trichloropropane	U	7	1.0	5	7	1
106-43-4	4-Chlorotoluene	U	7	1.0	5	7	0.7
98-06-6	tert-Butylbenzene	U	7	1.0	5	7	0.9
95-63-6	1,2,4-Trimethylbenzene	U	7	1.0	5	7	0.8
99-87-6	P-Isopropyltoluene	U	7	1.0	5	7	0.9
541-73-1	1,3-Dichlorobenzene	U	7	1.0	5	7	0.4
106-46-7	1,4-Dichlorobenzene	U	7	1.0	5	7	0.4
104-51-8	N-Butylbenzene	U	7	1.0	5	7	0.9
135-98-8	sec-Butylbenzene	U	7	1.0	5	7	1
95-50-1	1,2-Dichlorobenzene	U	7	1.0	5	7	0.4
96-12-8	1,2-Dibromo-3-Chloropropane	U	7	1.0	5	7	1
87-68-3	Hexachlorobutadiene	U	7	1.0	5	7	1
120-82-1	1,2,4-Trichlorobenzene	U	7	1.0	5	7	1
526-73-8	1,2,3-Trimethylbenzene	U	7	1.0	5	7	0.5
91-20-3	Naphthalene	U	7	1.0	5	7	2
87-61-6	1,2,3-Trichlorobenzene	U	7	1.0	5	7	2
1868-53-7	Dibromofluoromethane		97%				
17060-07-0	1,2-Dichloroethane-D4		103%				
2037-26-5	Toluene-D8		104%				
460-00-4	P-Bromofluorobenzene		94%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-27-02

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Matrix: (soil/water) SOIL Lab Sample ID: WV5605-6

Sample wt/vol: 5.000(g/mL) G Lab File ID: Z8041

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: not dec. 28 Date Analyzed: 10/27/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
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FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: Middle River
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 27-OCT-2005 11:11
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 35.3

Lab ID: WV5605-4
Client ID: SD-27-SS
SDG: MID-6
Extracted by:
Extraction Method: SW846 5035
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22091
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	28	1.0	10	28	5
74-87-3	Chloromethane	U	28	1.0	10	28	3
75-01-4	Vinyl chloride	U	28	1.0	10	28	5
74-83-9	Bromomethane	U	28	1.0	10	28	6
75-00-3	Chloroethane	U	28	1.0	10	28	4
75-69-4	Trichlorofluoromethane	U	28	1.0	10	28	5
75-65-0	Tertiary-butyl alcohol	U	28	1.0	10	28	20
75-35-4	1,1-Dichloroethene	U	14	1.0	5	14	3
75-15-0	Carbon Disulfide	U	14	1.0	5	14	4
76-13-1	Freon-113	U	14	1.0	5	14	5
75-09-2	Methylene Chloride	JB	10	1.0	5	14	6
67-64-1	Acetone	B	80	1.0	25	71	12
156-60-5	trans-1,2-Dichloroethene	U	14	1.0	5	14	2
1634-04-4	Methyl tert-butyl ether	U	28	1.0	10	28	2
108-20-3	Di-isopropyl ether	U	14	1.0	5	14	1
75-34-3	1,1-Dichloroethane	U	14	1.0	5	14	3
637-92-3	Ethyl tertiary-butyl ether	U	14	1.0	5	14	0.8
108-05-4	Vinyl Acetate	U	14	1.0	5	14	0.7
156-59-2	cis-1,2-Dichloroethene	U	14	1.0	5	14	2
540-59-0	1,2-Dichloroethylene (total)	U	28	1.0	10	28	4
594-20-7	2,2-Dichloropropane	U	14	1.0	5	14	4
74-97-5	Bromochloromethane	U	14	1.0	5	14	3
67-66-3	Chloroform	U	14	1.0	5	14	2
56-23-5	Carbon Tetrachloride	U	14	1.0	5	14	8
71-55-6	1,1,1-Trichloroethane	U	14	1.0	5	14	4
563-58-6	1,1-Dichloropropene	U	14	1.0	5	14	4
78-93-3	2-Butanone	U	71	1.0	25	71	9
71-43-2	Benzene	U	14	1.0	5	14	2
994-05-8	Tertiary-amyl methyl ether	U	14	1.0	5	14	1
107-06-2	1,2-Dichloroethane	U	14	1.0	5	14	2
79-01-6	Trichloroethene	U	14	1.0	5	14	2
74-95-3	Dibromomethane	U	14	1.0	5	14	1
78-87-5	1,2-Dichloropropane	U	14	1.0	5	14	2
75-27-4	Bromodichloromethane	U	14	1.0	5	14	1
10061-01-5	cis-1,3-dichloropropene	U	14	1.0	5	14	0.9
110-75-8	2-Chloroethylvinylether	U	14	1.0	5	14	3
108-88-3	Toluene	J	10	1.0	5	14	2
108-10-1	4-methyl-2-pentanone	U	71	1.0	25	71	12
127-18-4	Tetrachloroethene	U	14	1.0	5	14	3
10061-02-6	trans-1,3-Dichloropropene	U	14	1.0	5	14	2
124-48-1	Dibromochloromethane	U	14	1.0	5	14	1
142-28-9	1,3-Dichloropropane	U	14	1.0	5	14	1.0
106-93-4	1,2-Dibromoethane	U	14	1.0	5	14	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: Middle River
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 27-OCT-2005 11:11
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 35.3

Lab ID: WV5605-4
Client ID: SD-27-SS
SDG: MID-6
Extracted by:
Extraction Method: SW846 5035
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22091
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	71	1.0	25	71	11
108-90-7	Chlorobenzene	U	14	1.0	5	14	2
100-41-4	Ethylbenzene	U	14	1.0	5	14	2
630-20-6	1,1,1,2-Tetrachloroethane	U	14	1.0	5	14	1
1330-20-7	Xylenes (total)	U	42	1.0	15	42	5
	m+p-Xylenes	U	28	1.0	10	28	4
95-47-6	o-Xylene	U	14	1.0	5	14	2
100-42-5	Styrene	U	14	1.0	5	14	0.9
75-25-2	Bromoform	U	14	1.0	5	14	2
98-82-8	Isopropylbenzene	U	14	1.0	5	14	2
108-86-1	Bromobenzene	U	14	1.0	5	14	3
103-65-1	N-Propylbenzene	U	14	1.0	5	14	2
79-34-5	1,1,2,2-Tetrachloroethane	U	14	1.0	5	14	3
95-49-8	2-Chlorotoluene	U	14	1.0	5	14	2
96-18-4	1,2,3-Trichloropropane	U	14	1.0	5	14	2
106-43-4	4-Chlorotoluene	U	14	1.0	5	14	1
98-06-6	tert-Butylbenzene	U	14	1.0	5	14	2
95-63-6	1,2,4-Trimethylbenzene	U	14	1.0	5	14	2
99-87-6	P-Isopropyltoluene	U	14	1.0	5	14	2
541-73-1	1,3-Dichlorobenzene	U	14	1.0	5	14	0.9
106-46-7	1,4-Dichlorobenzene	U	14	1.0	5	14	0.7
104-51-8	N-Butylbenzene	U	14	1.0	5	14	2
135-98-8	sec-Butylbenzene	U	14	1.0	5	14	3
95-50-1	1,2-Dichlorobenzene	U	14	1.0	5	14	0.8
96-12-8	1,2-Dibromo-3-Chloropropane	U	14	1.0	5	14	2
87-68-3	Hexachlorobutadiene	U	14	1.0	5	14	2
120-82-1	1,2,4-Trichlorobenzene	U	14	1.0	5	14	2
526-73-8	1,2,3-Trimethylbenzene	U	14	1.0	5	14	1.0
91-20-3	Naphthalene	U	14	1.0	5	14	4
87-61-6	1,2,3-Trichlorobenzene	U	14	1.0	5	14	4
1868-53-7	Dibromofluoromethane		59%				
17060-07-0	1,2-Dichloroethane-D4		58%				
2037-26-5	Toluene-D8		66%				
460-00-4	P-Bromofluorobenzene		45%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-27-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Matrix: (soil/water) SOIL Lab Sample ID: WV5605-4

Sample wt/vol: 5.000(g/mL) G Lab File ID: Z8039

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: not dec. 65 Date Analyzed: 10/27/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: Middle River
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 27-OCT-2005 13:50
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 38.6

Lab ID: WV5605-8
Client ID: SD-28-01
SDG: MID-6
Extracted by:
Extraction Method: SW846 5035
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22091
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	26	1.0	10	26	5
74-87-3	Chloromethane	U	26	1.0	10	26	2
75-01-4	Vinyl chloride	U	26	1.0	10	26	5
74-83-9	Bromomethane	U	26	1.0	10	26	5
75-00-3	Chloroethane	U	26	1.0	10	26	4
75-69-4	Trichlorofluoromethane	U	26	1.0	10	26	5
75-65-0	Tertiary-butyl alcohol	U	26	1.0	10	26	18
75-35-4	1,1-Dichloroethene	U	13	1.0	5	13	2
75-15-0	Carbon Disulfide	J	6	1.0	5	13	4
76-13-1	Freon-113	U	13	1.0	5	13	4
75-09-2	Methylene Chloride	JB	9	1.0	5	13	5
67-64-1	Acetone	B	130	1.0	25	65	11
156-60-5	trans-1,2-Dichloroethene	U	13	1.0	5	13	2
1634-04-4	Methyl tert-butyl ether	U	26	1.0	10	26	2
108-20-3	Di-isopropyl ether	U	13	1.0	5	13	0.9
75-34-3	1,1-Dichloroethane	U	13	1.0	5	13	3
637-92-3	Ethyl tertiary-butyl ether	U	13	1.0	5	13	0.7
108-05-4	Vinyl Acetate	U	13	1.0	5	13	0.6
156-59-2	cis-1,2-Dichloroethene	U	13	1.0	5	13	2
540-59-0	1,2-Dichloroethylene (total)	U	26	1.0	10	26	4
594-20-7	2,2-Dichloropropane	U	13	1.0	5	13	4
74-97-5	Bromochloromethane	U	13	1.0	5	13	3
67-66-3	Chloroform	U	13	1.0	5	13	2
56-23-5	Carbon Tetrachloride	U	13	1.0	5	13	8
71-55-6	1,1,1-Trichloroethane	U	13	1.0	5	13	3
563-58-6	1,1-Dichloropropene	U	13	1.0	5	13	3
78-93-3	2-Butanone	J	27	1.0	25	65	8
71-43-2	Benzene	U	13	1.0	5	13	2
994-05-8	Tertiary-amyl methyl ether	U	13	1.0	5	13	1
107-06-2	1,2-Dichloroethane	U	13	1.0	5	13	2
79-01-6	Trichloroethene	U	13	1.0	5	13	2
74-95-3	Dibromomethane	U	13	1.0	5	13	1
78-87-5	1,2-Dichloropropane	U	13	1.0	5	13	2
75-27-4	Bromodichloromethane	U	13	1.0	5	13	1
10061-01-5	cis-1,3-dichloropropene	U	13	1.0	5	13	0.8
110-75-8	2-Chloroethylvinylether	U	13	1.0	5	13	2
108-88-3	Toluene	U	13	1.0	5	13	2
108-10-1	4-methyl-2-pentanone	U	65	1.0	25	65	11
127-18-4	Tetrachloroethene	U	13	1.0	5	13	3
10061-02-6	trans-1,3-Dichloropropene	U	13	1.0	5	13	1
124-48-1	Dibromochloromethane	U	13	1.0	5	13	1
142-28-9	1,3-Dichloropropane	U	13	1.0	5	13	0.9
106-93-4	1,2-Dibromoethane	U	13	1.0	5	13	1

Sample Data Summary A0000030

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: Middle River
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 27-OCT-2005 13:50
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 38.6

Lab ID: WV5605-8
Client ID: SD-28-01
SDG: MID-6
Extracted by:
Extraction Method: SW846 5035
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22091
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	65	1.0	25	65	10
108-90-7	Chlorobenzene	U	13	1.0	5	13	2
100-41-4	Ethylbenzene	U	13	1.0	5	13	2
630-20-6	1,1,1,2-Tetrachloroethane	U	13	1.0	5	13	1
1330-20-7	Xylenes (total)	U	39	1.0	15	39	5
	m+p-Xylenes	U	26	1.0	10	26	3
95-47-6	o-Xylene	U	13	1.0	5	13	2
100-42-5	Styrene	U	13	1.0	5	13	0.8
75-25-2	Bromoform	U	13	1.0	5	13	2
98-82-8	Isopropylbenzene	U	13	1.0	5	13	2
108-86-1	Bromobenzene	U	13	1.0	5	13	2
103-65-1	N-Propylbenzene	U	13	1.0	5	13	2
79-34-5	1,1,2,2-Tetrachloroethane	U	13	1.0	5	13	3
95-49-8	2-Chlorotoluene	U	13	1.0	5	13	2
96-18-4	1,2,3-Trichloropropane	U	13	1.0	5	13	2
106-43-4	4-Chlorotoluene	U	13	1.0	5	13	1
98-06-6	tert-Butylbenzene	U	13	1.0	5	13	2
95-63-6	1,2,4-Trimethylbenzene	U	13	1.0	5	13	1
99-87-6	P-Isopropyltoluene	U	13	1.0	5	13	2
541-73-1	1,3-Dichlorobenzene	U	13	1.0	5	13	0.8
106-46-7	1,4-Dichlorobenzene	U	13	1.0	5	13	0.7
104-51-8	N-Butylbenzene	U	13	1.0	5	13	2
135-98-8	sec-Butylbenzene	U	13	1.0	5	13	2
95-50-1	1,2-Dichlorobenzene	J	0.9	1.0	5	13	0.8
96-12-8	1,2-Dibromo-3-Chloropropane	U	13	1.0	5	13	2
87-68-3	Hexachlorobutadiene	U	13	1.0	5	13	2
120-82-1	1,2,4-Trichlorobenzene	U	13	1.0	5	13	2
526-73-8	1,2,3-Trimethylbenzene	U	13	1.0	5	13	0.9
91-20-3	Naphthalene	U	13	1.0	5	13	4
87-61-6	1,2,3-Trichlorobenzene	U	13	1.0	5	13	4
1868-53-7	Dibromofluoromethane		68%				
17060-07-0	1,2-Dichloroethane-D4		67%				
2037-26-5	Toluene-D8		74%				
460-00-4	P-Bromofluorobenzene		56%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-28-01

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Matrix: (soil/water) SOIL Lab Sample ID: WV5605-8

Sample wt/vol: 5.000(g/mL) G Lab File ID: Z8043

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: not dec. 61 Date Analyzed: 10/27/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
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FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: Middle River
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 27-OCT-2005 14:30
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 44.3

Lab ID: WV5605-9
Client ID: SD-28-02
SDG: MID-6
Extracted by:
Extraction Method: SW846 5035
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22091
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	22	1.0	10	22	4
74-87-3	Chloromethane	U	22	1.0	10	22	2
75-01-4	Vinyl chloride	U	22	1.0	10	22	4
74-83-9	Bromomethane	U	22	1.0	10	22	4
75-00-3	Chloroethane	U	22	1.0	10	22	3
75-69-4	Trichlorofluoromethane	U	22	1.0	10	22	4
75-65-0	Tertiary-butyl alcohol	U	22	1.0	10	22	16
75-35-4	1,1-Dichloroethene	U	11	1.0	5	11	2
75-15-0	Carbon Disulfide	U	11	1.0	5	11	3
76-13-1	Freon-113	U	11	1.0	5	11	4
75-09-2	Methylene Chloride	JB	6	1.0	5	11	4
67-64-1	Acetone	JB	45	1.0	25	56	9
156-60-5	trans-1,2-Dichloroethene	U	11	1.0	5	11	2
1634-04-4	Methyl tert-butyl ether	U	22	1.0	10	22	1
108-20-3	Di-isopropyl ether	U	11	1.0	5	11	0.8
75-34-3	1,1-Dichloroethane	U	11	1.0	5	11	2
637-92-3	Ethyl tertiary-butyl ether	U	11	1.0	5	11	0.6
108-05-4	Vinyl Acetate	U	11	1.0	5	11	0.5
156-59-2	cis-1,2-Dichloroethene	U	11	1.0	5	11	2
540-59-0	1,2-Dichloroethylene (total)	U	22	1.0	10	22	4
594-20-7	2,2-Dichloropropane	U	11	1.0	5	11	3
74-97-5	Bromochloromethane	U	11	1.0	5	11	3
67-66-3	Chloroform	U	11	1.0	5	11	2
56-23-5	Carbon Tetrachloride	U	11	1.0	5	11	7
71-55-6	1,1,1-Trichloroethane	U	11	1.0	5	11	3
563-58-6	1,1-Dichloropropene	U	11	1.0	5	11	3
78-93-3	2-Butanone	J	13	1.0	25	56	7
71-43-2	Benzene	U	11	1.0	5	11	2
994-05-8	Tertiary-amyl methyl ether	U	11	1.0	5	11	0.9
107-06-2	1,2-Dichloroethane	U	11	1.0	5	11	1
79-01-6	Trichloroethene	U	11	1.0	5	11	2
74-95-3	Dibromomethane	U	11	1.0	5	11	1
78-87-5	1,2-Dichloropropane	U	11	1.0	5	11	2
75-27-4	Bromodichloromethane	U	11	1.0	5	11	1
10061-01-5	cis-1,3-dichloropropene	U	11	1.0	5	11	0.7
110-75-8	2-Chloroethylvinylether	U	11	1.0	5	11	2
108-88-3	Toluene	J	3	1.0	5	11	2
108-10-1	4-methyl-2-pentanone	U	56	1.0	25	56	10
127-18-4	Tetrachloroethene	U	11	1.0	5	11	3
10061-02-6	trans-1,3-Dichloropropene	U	11	1.0	5	11	1
124-48-1	Dibromochloromethane	U	11	1.0	5	11	1
142-28-9	1,3-Dichloropropane	U	11	1.0	5	11	0.8
106-93-4	1,2-Dibromoethane	U	11	1.0	5	11	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: Middle River
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 27-OCT-2005 14:30
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 44.3

Lab ID: WV5605-9
Client ID: SD-28-02
SDG: MID-6
Extracted by:
Extraction Method: SW846 5035
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22091
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	56	1.0	25	56	9
108-90-7	Chlorobenzene	U	11	1.0	5	11	1
100-41-4	Ethylbenzene	U	11	1.0	5	11	2
630-20-6	1,1,1,2-Tetrachloroethane	U	11	1.0	5	11	1
1330-20-7	Xylenes (total)	U	34	1.0	15	34	4
	m+p-Xylenes	U	22	1.0	10	22	3
95-47-6	o-Xylene	U	11	1.0	5	11	1
100-42-5	Styrene	U	11	1.0	5	11	0.7
75-25-2	Bromoform	U	11	1.0	5	11	1
98-82-8	Isopropylbenzene	U	11	1.0	5	11	2
108-86-1	Bromobenzene	U	11	1.0	5	11	2
103-65-1	N-Propylbenzene	U	11	1.0	5	11	2
79-34-5	1,1,2,2-Tetrachloroethane	U	11	1.0	5	11	2
95-49-8	2-Chlorotoluene	U	11	1.0	5	11	2
96-18-4	1,2,3-Trichloropropane	U	11	1.0	5	11	2
106-43-4	4-Chlorotoluene	U	11	1.0	5	11	1
98-06-6	tert-Butylbenzene	U	11	1.0	5	11	2
95-63-6	1,2,4-Trimethylbenzene	U	11	1.0	5	11	1
99-87-6	P-Isopropyltoluene	U	11	1.0	5	11	2
541-73-1	1,3-Dichlorobenzene	U	11	1.0	5	11	0.7
106-46-7	1,4-Dichlorobenzene	U	11	1.0	5	11	0.6
104-51-8	N-Butylbenzene	U	11	1.0	5	11	1
135-98-8	sec-Butylbenzene	U	11	1.0	5	11	2
95-50-1	1,2-Dichlorobenzene	U	11	1.0	5	11	0.6
96-12-8	1,2-Dibromo-3-Chloropropane	U	11	1.0	5	11	2
87-68-3	Hexachlorobutadiene	U	11	1.0	5	11	2
120-82-1	1,2,4-Trichlorobenzene	U	11	1.0	5	11	2
526-73-8	1,2,3-Trimethylbenzene	U	11	1.0	5	11	0.8
91-20-3	Naphthalene	U	11	1.0	5	11	4
87-61-6	1,2,3-Trichlorobenzene	U	11	1.0	5	11	3
1868-53-7	Dibromofluoromethane		69%				
17060-07-0	1,2-Dichloroethane-D4		65%				
2037-26-5	Toluene-D8		79%				
460-00-4	P-Bromofluorobenzene		54%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-28-02

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Matrix: (soil/water) SOIL Lab Sample ID: WV5605-9

Sample wt/vol: 5.000(g/mL) G Lab File ID: Z8044

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: not dec. 56 Date Analyzed: 10/27/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
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FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: Middle River
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 27-OCT-2005 13:10
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 28.9

Lab ID: WV5605-7
Client ID: SD-28-SS
SDG: MID-6
Extracted by:
Extraction Method: SW846 5035
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22091
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	34	1.0	10	34	6
74-87-3	Chloromethane	U	34	1.0	10	34	3
75-01-4	Vinyl chloride	U	34	1.0	10	34	6
74-83-9	Bromomethane	U	34	1.0	10	34	7
75-00-3	Chloroethane	U	34	1.0	10	34	5
75-69-4	Trichlorofluoromethane	U	34	1.0	10	34	6
75-65-0	Tertiary-butyl alcohol	U	34	1.0	10	34	24
75-35-4	1,1-Dichloroethene	U	17	1.0	5	17	3
75-15-0	Carbon Disulfide	U	17	1.0	5	17	5
76-13-1	Freon-113	U	17	1.0	5	17	6
75-09-2	Methylene Chloride	JB	12	1.0	5	17	7
67-64-1	Acetone	B	85	1.0	25	85	14
156-60-5	trans-1,2-Dichloroethene	U	17	1.0	5	17	3
1634-04-4	Methyl tert-butyl ether	J	3	1.0	10	34	2
108-20-3	Di-isopropyl ether	U	17	1.0	5	17	1
75-34-3	1,1-Dichloroethane	U	17	1.0	5	17	4
637-92-3	Ethyl tertiary-butyl ether	U	17	1.0	5	17	0.9
108-05-4	Vinyl Acetate	U	17	1.0	5	17	0.8
156-59-2	cis-1,2-Dichloroethene	U	17	1.0	5	17	2
540-59-0	1,2-Dichloroethylene (total)	U	34	1.0	10	34	5
594-20-7	2,2-Dichloropropane	U	17	1.0	5	17	5
74-97-5	Bromochloromethane	U	17	1.0	5	17	4
67-66-3	Chloroform	U	17	1.0	5	17	3
56-23-5	Carbon Tetrachloride	U	17	1.0	5	17	10
71-55-6	1,1,1-Trichloroethane	U	17	1.0	5	17	4
563-58-6	1,1-Dichloropropene	U	17	1.0	5	17	4
78-93-3	2-Butanone	U	85	1.0	25	85	11
71-43-2	Benzene	U	17	1.0	5	17	3
994-05-8	Tertiary-amyl methyl ether	U	17	1.0	5	17	1
107-06-2	1,2-Dichloroethane	U	17	1.0	5	17	2
79-01-6	Trichloroethene	U	17	1.0	5	17	3
74-95-3	Dibromomethane	U	17	1.0	5	17	2
78-87-5	1,2-Dichloropropane	U	17	1.0	5	17	2
75-27-4	Bromodichloromethane	U	17	1.0	5	17	2
10061-01-5	cis-1,3-dichloropropene	U	17	1.0	5	17	1
110-75-8	2-Chloroethylvinylether	U	17	1.0	5	17	3
108-88-3	Toluene	U	17	1.0	5	17	3
108-10-1	4-methyl-2-pentanone	U	85	1.0	25	85	14
127-18-4	Tetrachloroethene	U	17	1.0	5	17	4
10061-02-6	trans-1,3-Dichloropropene	U	17	1.0	5	17	2
124-48-1	Dibromochloromethane	U	17	1.0	5	17	2
142-28-9	1,3-Dichloropropane	U	17	1.0	5	17	1
106-93-4	1,2-Dibromoethane	U	17	1.0	5	17	2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: Middle River
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 27-OCT-2005 13:10
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 28.9

Lab ID: WV5605-7
Client ID: SD-28-SS
SDG: MID-6
Extracted by:
Extraction Method: SW846 5035
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22091
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	85	1.0	25	85	14
108-90-7	Chlorobenzene	U	17	1.0	5	17	2
100-41-4	Ethylbenzene	U	17	1.0	5	17	2
630-20-6	1,1,1,2-Tetrachloroethane	U	17	1.0	5	17	2
1330-20-7	Xylenes (total)	U	51	1.0	15	51	6
	m+p-Xylenes	U	34	1.0	10	34	4
95-47-6	o-Xylene	U	17	1.0	5	17	2
100-42-5	Styrene	U	17	1.0	5	17	1
75-25-2	Bromoform	U	17	1.0	5	17	2
98-82-8	Isopropylbenzene	U	17	1.0	5	17	3
108-86-1	Bromobenzene	U	17	1.0	5	17	3
103-65-1	N-Propylbenzene	U	17	1.0	5	17	2
79-34-5	1,1,2,2-Tetrachloroethane	U	17	1.0	5	17	4
95-49-8	2-Chlorotoluene	U	17	1.0	5	17	2
96-18-4	1,2,3-Trichloropropane	U	17	1.0	5	17	2
106-43-4	4-Chlorotoluene	U	17	1.0	5	17	2
98-06-6	tert-Butylbenzene	U	17	1.0	5	17	2
95-63-6	1,2,4-Trimethylbenzene	U	17	1.0	5	17	2
99-87-6	P-Isopropyltoluene	U	17	1.0	5	17	2
541-73-1	1,3-Dichlorobenzene	U	17	1.0	5	17	1
106-46-7	1,4-Dichlorobenzene	U	17	1.0	5	17	0.9
104-51-8	N-Butylbenzene	U	17	1.0	5	17	2
135-98-8	sec-Butylbenzene	U	17	1.0	5	17	3
95-50-1	1,2-Dichlorobenzene	U	17	1.0	5	17	1.0
96-12-8	1,2-Dibromo-3-Chloropropane	U	17	1.0	5	17	3
87-68-3	Hexachlorobutadiene	U	17	1.0	5	17	3
120-82-1	1,2,4-Trichlorobenzene	U	17	1.0	5	17	3
526-73-8	1,2,3-Trimethylbenzene	U	17	1.0	5	17	1
91-20-3	Naphthalene	U	17	1.0	5	17	5
87-61-6	1,2,3-Trichlorobenzene	U	17	1.0	5	17	5
1868-53-7	Dibromofluoromethane		* 50%				
17060-07-0	1,2-Dichloroethane-D4		* 48%				
2037-26-5	Toluene-D8		* 53%				
460-00-4	P-Bromofluorobenzene		36%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-28-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Matrix: (soil/water) SOIL Lab Sample ID: WV5605-7

Sample wt/vol: 5.100(g/mL) G Lab File ID: Z8042

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: not dec. 71 Date Analyzed: 10/27/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
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FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: Middle River
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 27-OCT-2005 22:14
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 28.9

Lab ID: WV5605-7RA
Client ID: SD-28-SS
SDG: MID-6
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22134
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	34	1.0	10	34	6
74-87-3	Chloromethane	U	34	1.0	10	34	3
75-01-4	Vinyl chloride	U	34	1.0	10	34	6
74-83-9	Bromomethane	U	34	1.0	10	34	7
75-00-3	Chloroethane	U	34	1.0	10	34	5
75-69-4	Trichlorofluoromethane	U	34	1.0	10	34	6
75-65-0	Tertiary-butyl alcohol	U	34	1.0	10	34	24
75-35-4	1,1-Dichloroethene	U	17	1.0	5	17	3
75-15-0	Carbon Disulfide	U	17	1.0	5	17	5
76-13-1	Freon-113	U	17	1.0	5	17	6
75-09-2	Methylene Chloride	JB	10	1.0	5	17	7
67-64-1	Acetone	JB	61	1.0	25	85	14
156-60-5	trans-1,2-Dichloroethene	U	17	1.0	5	17	3
1634-04-4	Methyl tert-butyl ether	U	34	1.0	10	34	2
108-20-3	Di-isopropyl ether	U	17	1.0	5	17	1
75-34-3	1,1-Dichloroethane	U	17	1.0	5	17	4
637-92-3	Ethyl tertiary-butyl ether	U	17	1.0	5	17	0.9
108-05-4	Vinyl Acetate	U	17	1.0	5	17	0.8
156-59-2	cis-1,2-Dichloroethene	U	17	1.0	5	17	2
540-59-0	1,2-Dichloroethylene (total)	U	34	1.0	10	34	5
594-20-7	2,2-Dichloropropane	U	17	1.0	5	17	5
74-97-5	Bromochloromethane	U	17	1.0	5	17	4
67-66-3	Chloroform	U	17	1.0	5	17	3
56-23-5	Carbon Tetrachloride	U	17	1.0	5	17	10
71-55-6	1,1,1-Trichloroethane	U	17	1.0	5	17	4
563-58-6	1,1-Dichloropropene	U	17	1.0	5	17	4
78-93-3	2-Butanone	U	85	1.0	25	85	11
71-43-2	Benzene	U	17	1.0	5	17	3
994-05-8	Tertiary-amyl methyl ether	U	17	1.0	5	17	1
107-06-2	1,2-Dichloroethane	U	17	1.0	5	17	2
79-01-6	Trichloroethene	U	17	1.0	5	17	3
74-95-3	Dibromomethane	U	17	1.0	5	17	2
78-87-5	1,2-Dichloropropane	U	17	1.0	5	17	2
75-27-4	Bromodichloromethane	U	17	1.0	5	17	2
10061-01-5	cis-1,3-dichloropropene	U	17	1.0	5	17	1
110-75-8	2-Chloroethylvinylether	U	17	1.0	5	17	3
108-88-3	Toluene	U	17	1.0	5	17	3
108-10-1	4-methyl-2-pentanone	U	85	1.0	25	85	14
127-18-4	Tetrachloroethene	U	17	1.0	5	17	4
10061-02-6	trans-1,3-Dichloropropene	U	17	1.0	5	17	2
124-48-1	Dibromochloromethane	U	17	1.0	5	17	2
142-28-9	1,3-Dichloropropane	U	17	1.0	5	17	1
106-93-4	1,2-Dibromoethane	U	17	1.0	5	17	2

Sample Data Summary A0000027

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: Middle River
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 27-OCT-2005 22:14
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 28.9

Lab ID: WV5605-7RA
Client ID: SD-28-SS
SDG: MID-6
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22134
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	85	1.0	25	85	14
108-90-7	Chlorobenzene	U	17	1.0	5	17	2
100-41-4	Ethylbenzene	U	17	1.0	5	17	2
630-20-6	1,1,1,2-Tetrachloroethane	U	17	1.0	5	17	2
1330-20-7	Xylenes (total)	U	51	1.0	15	51	6
	m+p-Xylenes	U	34	1.0	10	34	4
95-47-6	o-Xylene	U	17	1.0	5	17	2
100-42-5	Styrene	J	1	1.0	5	17	1
75-25-2	Bromoform	U	17	1.0	5	17	2
98-82-8	Isopropylbenzene	U	17	1.0	5	17	3
108-86-1	Bromobenzene	U	17	1.0	5	17	3
103-65-1	N-Propylbenzene	U	17	1.0	5	17	2
79-34-5	1,1,2,2-Tetrachloroethane	U	17	1.0	5	17	4
95-49-8	2-Chlorotoluene	U	17	1.0	5	17	2
96-18-4	1,2,3-Trichloropropane	U	17	1.0	5	17	2
106-43-4	4-Chlorotoluene	U	17	1.0	5	17	2
98-06-6	tert-Butylbenzene	U	17	1.0	5	17	2
95-63-6	1,2,4-Trimethylbenzene	U	17	1.0	5	17	2
99-87-6	P-Isopropyltoluene	U	17	1.0	5	17	2
541-73-1	1,3-Dichlorobenzene	U	17	1.0	5	17	1
106-46-7	1,4-Dichlorobenzene	U	17	1.0	5	17	0.9
104-51-8	N-Butylbenzene	U	17	1.0	5	17	2
135-98-8	sec-Butylbenzene	U	17	1.0	5	17	3
95-50-1	1,2-Dichlorobenzene	U	17	1.0	5	17	1.0
96-12-8	1,2-Dibromo-3-Chloropropane	U	17	1.0	5	17	3
87-68-3	Hexachlorobutadiene	U	17	1.0	5	17	3
120-82-1	1,2,4-Trichlorobenzene	U	17	1.0	5	17	3
526-73-8	1,2,3-Trimethylbenzene	U	17	1.0	5	17	1
91-20-3	Naphthalene	U	17	1.0	5	17	5
87-61-6	1,2,3-Trichlorobenzene	U	17	1.0	5	17	5
1868-53-7	Dibromofluoromethane		* 46%				
17060-07-0	1,2-Dichloroethane-D4		60%				
2037-26-5	Toluene-D8		* 44%				
460-00-4	P-Bromofluorobenzene		43%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-28-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Matrix: (soil/water) SOIL Lab Sample ID: WV5605-7RA

Sample wt/vol: 5.100(g/mL) G Lab File ID: Z8055

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: not dec. 71 Date Analyzed: 10/27/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	11.17	30	JB
2.					
3.					
4.					
5.					
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FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: Middle River
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 27-OCT-2005 10:41
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 36.4

Lab ID: WV5605-11
Client ID: SD-29-01
SDG: MID-6
Extracted by:
Extraction Method: SW846 5035
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22249
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	25	1.0	10	25	5
74-87-3	Chloromethane	U	25	1.0	10	25	2
75-01-4	Vinyl chloride	U	25	1.0	10	25	4
74-83-9	Bromomethane	U	25	1.0	10	25	5
75-00-3	Chloroethane	U	25	1.0	10	25	4
75-69-4	Trichlorofluoromethane	U	25	1.0	10	25	4
75-65-0	Tertiary-butyl alcohol	U	25	1.0	10	25	18
75-35-4	1,1-Dichloroethene	U	13	1.0	5	13	2
75-15-0	Carbon Disulfide	U	13	1.0	5	13	4
76-13-1	Freon-113	U	13	1.0	5	13	4
637-92-3	Ethyl tertiary-butyl ether	U	13	1.0	5	13	0.7
75-09-2	Methylene Chloride	J	6	1.0	5	13	5
67-64-1	Acetone		150	1.0	25	64	10
156-60-5	trans-1,2-Dichloroethene	U	13	1.0	5	13	2
1634-04-4	Methyl tert-butyl ether	U	25	1.0	10	25	2
108-20-3	Di-isopropyl ether	U	13	1.0	5	13	0.9
75-34-3	1,1-Dichloroethane	U	13	1.0	5	13	3
108-05-4	Vinyl Acetate	U	13	1.0	5	13	0.6
156-59-2	cis-1,2-Dichloroethene	U	13	1.0	5	13	2
540-59-0	1,2-Dichloroethylene (total)	U	25	1.0	10	25	4
594-20-7	2,2-Dichloropropane	U	13	1.0	5	13	4
74-97-5	Bromochloromethane	U	13	1.0	5	13	3
67-66-3	Chloroform	U	13	1.0	5	13	2
56-23-5	Carbon Tetrachloride	U	13	1.0	5	13	8
71-55-6	1,1,1-Trichloroethane	U	13	1.0	5	13	3
563-58-6	1,1-Dichloropropene	U	13	1.0	5	13	3
78-93-3	2-Butanone	U	64	1.0	25	64	8
71-43-2	Benzene	U	13	1.0	5	13	2
994-05-8	Tertiary-amyl methyl ether	U	13	1.0	5	13	1.0
107-06-2	1,2-Dichloroethane	U	13	1.0	5	13	1
79-01-6	Trichloroethene	U	13	1.0	5	13	2
74-95-3	Dibromomethane	U	13	1.0	5	13	1
78-87-5	1,2-Dichloropropane	U	13	1.0	5	13	2
75-27-4	Bromodichloromethane	U	13	1.0	5	13	1
10061-01-5	cis-1,3-dichloropropene	U	13	1.0	5	13	0.8
110-75-8	2-Chloroethylvinylether	U	13	1.0	5	13	2
108-88-3	Toluene	U	13	1.0	5	13	2
108-10-1	4-methyl-2-pentanone	U	64	1.0	25	64	11
127-18-4	Tetrachloroethene	U	13	1.0	5	13	3
10061-02-6	trans-1,3-Dichloropropene	U	13	1.0	5	13	1
124-48-1	Dibromochloromethane	U	13	1.0	5	13	1
142-28-9	1,3-Dichloropropane	U	13	1.0	5	13	0.9
106-93-4	1,2-Dibromoethane	U	13	1.0	5	13	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: Middle River
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 27-OCT-2005 10:41
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 36.4

Lab ID: WV5605-11
Client ID: SD-29-01
SDG: MID-6
Extracted by:
Extraction Method: SW846 5035
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22249
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	64	1.0	25	64	10
108-90-7	Chlorobenzene	U	13	1.0	5	13	2
100-41-4	Ethylbenzene	U	13	1.0	5	13	2
630-20-6	1,1,1,2-Tetrachloroethane	U	13	1.0	5	13	1
1330-20-7	Xylenes (total)	U	38	1.0	15	38	5
	m+p-Xylenes	U	25	1.0	10	25	3
95-47-6	o-Xylene	U	13	1.0	5	13	2
100-42-5	Styrene	U	13	1.0	5	13	0.8
75-25-2	Bromoform	U	13	1.0	5	13	2
98-82-8	Isopropylbenzene	U	13	1.0	5	13	2
108-86-1	Bromobenzene	U	13	1.0	5	13	2
103-65-1	N-Propylbenzene	U	13	1.0	5	13	2
79-34-5	1,1,2,2-Tetrachloroethane	U	13	1.0	5	13	3
95-49-8	2-Chlorotoluene	U	13	1.0	5	13	2
96-18-4	1,2,3-Trichloropropane	U	13	1.0	5	13	2
106-43-4	4-Chlorotoluene	U	13	1.0	5	13	1
98-06-6	tert-Butylbenzene	U	13	1.0	5	13	2
95-63-6	1,2,4-Trimethylbenzene	U	13	1.0	5	13	1
99-87-6	P-Isopropyltoluene	U	13	1.0	5	13	2
541-73-1	1,3-Dichlorobenzene	U	13	1.0	5	13	0.8
106-46-7	1,4-Dichlorobenzene	U	13	1.0	5	13	0.7
104-51-8	N-Butylbenzene	U	13	1.0	5	13	2
135-98-8	sec-Butylbenzene	U	13	1.0	5	13	2
95-50-1	1,2-Dichlorobenzene	U	13	1.0	5	13	0.7
96-12-8	1,2-Dibromo-3-Chloropropane	U	13	1.0	5	13	2
87-68-3	Hexachlorobutadiene	U	13	1.0	5	13	2
120-82-1	1,2,4-Trichlorobenzene	U	13	1.0	5	13	2
526-73-8	1,2,3-Trimethylbenzene	U	13	1.0	5	13	0.9
91-20-3	Naphthalene	U	13	1.0	5	13	4
87-61-6	1,2,3-Trichlorobenzene	U	13	1.0	5	13	4
1868-53-7	Dibromofluoromethane		81%				
17060-07-0	1,2-Dichloroethane-D4		74%				
2037-26-5	Toluene-D8		* 59%				
460-00-4	P-Bromofluorobenzene		52%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-29-01

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Matrix: (soil/water) SOIL Lab Sample ID: WV5605-11

Sample wt/vol: 5.400(g/mL) G Lab File ID: M9845

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: not dec. 64 Date Analyzed: 10/27/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: Middle River
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 27-OCT-2005 20:55
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 36.4

Lab ID: WV5605-11RA
Client ID: SD-29-01
SDG: MID-6
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22134
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	26	1.0	10	26	5
74-87-3	Chloromethane	U	26	1.0	10	26	2
75-01-4	Vinyl chloride	U	26	1.0	10	26	5
74-83-9	Bromomethane	U	26	1.0	10	26	5
75-00-3	Chloroethane	U	26	1.0	10	26	4
75-69-4	Trichlorofluoromethane	U	26	1.0	10	26	5
75-65-0	Tertiary-butyl alcohol	U	26	1.0	10	26	18
75-35-4	1,1-Dichloroethene	U	13	1.0	5	13	2
75-15-0	Carbon Disulfide	U	13	1.0	5	13	4
76-13-1	Freon-113	U	13	1.0	5	13	4
75-09-2	Methylene Chloride	JB	8	1.0	5	13	5
67-64-1	Acetone	B	120	1.0	25	65	11
156-60-5	trans-1,2-Dichloroethene	U	13	1.0	5	13	2
1634-04-4	Methyl tert-butyl ether	U	26	1.0	10	26	2
108-20-3	Di-isopropyl ether	U	13	1.0	5	13	0.9
75-34-3	1,1-Dichloroethane	U	13	1.0	5	13	3
637-92-3	Ethyl tertiary-butyl ether	U	13	1.0	5	13	0.7
108-05-4	Vinyl Acetate	U	13	1.0	5	13	0.6
156-59-2	cis-1,2-Dichloroethene	U	13	1.0	5	13	2
540-59-0	1,2-Dichloroethylene (total)	U	26	1.0	10	26	4
594-20-7	2,2-Dichloropropane	U	13	1.0	5	13	4
74-97-5	Bromochloromethane	U	13	1.0	5	13	3
67-66-3	Chloroform	U	13	1.0	5	13	2
56-23-5	Carbon Tetrachloride	U	13	1.0	5	13	8
71-55-6	1,1,1-Trichloroethane	U	13	1.0	5	13	3
563-58-6	1,1-Dichloropropene	U	13	1.0	5	13	3
78-93-3	2-Butanone	J	22	1.0	25	65	8
71-43-2	Benzene	U	13	1.0	5	13	2
994-05-8	Tertiary-amyl methyl ether	U	13	1.0	5	13	1
107-06-2	1,2-Dichloroethane	U	13	1.0	5	13	2
79-01-6	Trichloroethene	U	13	1.0	5	13	2
74-95-3	Dibromomethane	U	13	1.0	5	13	1
78-87-5	1,2-Dichloropropane	U	13	1.0	5	13	2
75-27-4	Bromodichloromethane	U	13	1.0	5	13	1
10061-01-5	cis-1,3-dichloropropene	U	13	1.0	5	13	0.8
110-75-8	2-Chloroethylvinylether	U	13	1.0	5	13	2
108-88-3	Toluene	U	13	1.0	5	13	2
108-10-1	4-methyl-2-pentanone	U	65	1.0	25	65	11
127-18-4	Tetrachloroethene	U	13	1.0	5	13	3
10061-02-6	trans-1,3-Dichloropropene	U	13	1.0	5	13	1
124-48-1	Dibromochloromethane	U	13	1.0	5	13	1
142-28-9	1,3-Dichloropropane	U	13	1.0	5	13	0.9
106-93-4	1,2-Dibromoethane	U	13	1.0	5	13	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: Middle River
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 27-OCT-2005 20:55
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 36.4

Lab ID: WV5605-11RA
Client ID: SD-29-01
SDG: MID-6
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22134
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	65	1.0	25	65	10
108-90-7	Chlorobenzene	U	13	1.0	5	13	2
100-41-4	Ethylbenzene	U	13	1.0	5	13	2
630-20-6	1,1,1,2-Tetrachloroethane	U	13	1.0	5	13	1
1330-20-7	Xylenes (total)	U	39	1.0	15	39	5
	m+p-Xylenes	U	26	1.0	10	26	3
95-47-6	o-Xylene	U	13	1.0	5	13	2
100-42-5	Styrene	U	13	1.0	5	13	0.8
75-25-2	Bromoform	U	13	1.0	5	13	2
98-82-8	Isopropylbenzene	U	13	1.0	5	13	2
108-86-1	Bromobenzene	U	13	1.0	5	13	2
103-65-1	N-Propylbenzene	U	13	1.0	5	13	2
79-34-5	1,1,2,2-Tetrachloroethane	U	13	1.0	5	13	3
95-49-8	2-Chlorotoluene	U	13	1.0	5	13	2
96-18-4	1,2,3-Trichloropropane	U	13	1.0	5	13	2
106-43-4	4-Chlorotoluene	U	13	1.0	5	13	1
98-06-6	tert-Butylbenzene	U	13	1.0	5	13	2
95-63-6	1,2,4-Trimethylbenzene	U	13	1.0	5	13	1
99-87-6	P-Isopropyltoluene	U	13	1.0	5	13	2
541-73-1	1,3-Dichlorobenzene	U	13	1.0	5	13	0.8
106-46-7	1,4-Dichlorobenzene	U	13	1.0	5	13	0.7
104-51-8	N-Butylbenzene	U	13	1.0	5	13	2
135-98-8	sec-Butylbenzene	U	13	1.0	5	13	2
95-50-1	1,2-Dichlorobenzene	U	13	1.0	5	13	0.8
96-12-8	1,2-Dibromo-3-Chloropropane	U	13	1.0	5	13	2
87-68-3	Hexachlorobutadiene	U	13	1.0	5	13	2
120-82-1	1,2,4-Trichlorobenzene	U	13	1.0	5	13	2
526-73-8	1,2,3-Trimethylbenzene	U	13	1.0	5	13	0.9
91-20-3	Naphthalene	U	13	1.0	5	13	4
87-61-6	1,2,3-Trichlorobenzene	U	13	1.0	5	13	4
1868-53-7	Dibromofluoromethane		* 49%				
17060-07-0	1,2-Dichloroethane-D4		* 45%				
2037-26-5	Toluene-D8		* 55%				
460-00-4	P-Bromofluorobenzene		* 35%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-29-01

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Matrix: (soil/water) SOIL Lab Sample ID: WV5605-11RA

Sample wt/vol: 5.300(g/mL) G Lab File ID: Z8053

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: not dec. 64 Date Analyzed: 10/27/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	13.54	10	J
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FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: Middle River
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 27-OCT-2005 11:20
Report Date: 11/02/2005
Matrix: SOIL
% Solids: 57.8

Lab ID: WV5605-12
Client ID: SD-29-02
SDG: MID-6
Extracted by:
Extraction Method: SW846 5035
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22249
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	17	1.0	10	17	3
74-87-3	Chloromethane	U	17	1.0	10	17	2
75-01-4	Vinyl chloride	U	17	1.0	10	17	3
74-83-9	Bromomethane	U	17	1.0	10	17	3
75-00-3	Chloroethane	U	17	1.0	10	17	2
75-69-4	Trichlorofluoromethane	U	17	1.0	10	17	3
75-65-0	Tertiary-butyl alcohol	U	17	1.0	10	17	12
75-35-4	1,1-Dichloroethene	U	9	1.0	5	9	2
75-15-0	Carbon Disulfide	U	9	1.0	5	9	2
76-13-1	Freon-113	U	9	1.0	5	9	3
637-92-3	Ethyl tertiary-butyl ether	U	9	1.0	5	9	0.5
75-09-2	Methylene Chloride	J	5	1.0	5	9	3
67-64-1	Acetone		54	1.0	25	43	7
156-60-5	trans-1,2-Dichloroethene	U	9	1.0	5	9	2
1634-04-4	Methyl tert-butyl ether	U	17	1.0	10	17	1
108-20-3	Di-isopropyl ether	U	9	1.0	5	9	0.6
75-34-3	1,1-Dichloroethane	U	9	1.0	5	9	2
108-05-4	Vinyl Acetate	U	9	1.0	5	9	0.4
156-59-2	cis-1,2-Dichloroethene	U	9	1.0	5	9	1
540-59-0	1,2-Dichloroethylene (total)	U	17	1.0	10	17	3
594-20-7	2,2-Dichloropropane	U	9	1.0	5	9	2
74-97-5	Bromochloromethane	U	9	1.0	5	9	2
67-66-3	Chloroform	U	9	1.0	5	9	1
56-23-5	Carbon Tetrachloride	U	9	1.0	5	9	5
71-55-6	1,1,1-Trichloroethane	U	9	1.0	5	9	2
563-58-6	1,1-Dichloropropene	U	9	1.0	5	9	2
78-93-3	2-Butanone	U	43	1.0	25	43	5
71-43-2	Benzene	U	9	1.0	5	9	1
994-05-8	Tertiary-amyl methyl ether	U	9	1.0	5	9	0.7
107-06-2	1,2-Dichloroethane	U	9	1.0	5	9	1
79-01-6	Trichloroethene	U	9	1.0	5	9	1
74-95-3	Dibromomethane	U	9	1.0	5	9	0.8
78-87-5	1,2-Dichloropropane	U	9	1.0	5	9	1
75-27-4	Bromodichloromethane	U	9	1.0	5	9	0.9
10061-01-5	cis-1,3-dichloropropene	U	9	1.0	5	9	0.6
110-75-8	2-Chloroethylvinylether	U	9	1.0	5	9	2
108-88-3	Toluene		9	1.0	5	9	2
108-10-1	4-methyl-2-pentanone	U	43	1.0	25	43	7
127-18-4	Tetrachloroethene	U	9	1.0	5	9	2
10061-02-6	trans-1,3-Dichloropropene	U	9	1.0	5	9	1.0
124-48-1	Dibromochloromethane	U	9	1.0	5	9	0.9
142-28-9	1,3-Dichloropropane	U	9	1.0	5	9	0.6
106-93-4	1,2-Dibromoethane	U	9	1.0	5	9	0.8

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: Middle River
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 27-OCT-2005 11:20
Report Date: 11/02/2005
Matrix: SOIL
% Solids: 57.8

Lab ID: WV5605-12
Client ID: SD-29-02
SDG: MID-6
Extracted by:
Extraction Method: SW846 5035
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22249
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	43	1.0	25	43	7
108-90-7	Chlorobenzene	U	9	1.0	5	9	1
100-41-4	Ethylbenzene	U	9	1.0	5	9	1
630-20-6	1,1,1,2-Tetrachloroethane	U	9	1.0	5	9	0.9
1330-20-7	Xylenes (total)	U	26	1.0	15	26	3
	m+p-Xylenes	U	17	1.0	10	17	2
95-47-6	o-Xylene	U	9	1.0	5	9	1
100-42-5	Styrene	U	9	1.0	5	9	0.6
75-25-2	Bromoform	U	9	1.0	5	9	1
98-82-8	Isopropylbenzene	U	9	1.0	5	9	1
108-86-1	Bromobenzene	U	9	1.0	5	9	2
103-65-1	N-Propylbenzene	U	9	1.0	5	9	1
79-34-5	1,1,2,2-Tetrachloroethane	U	9	1.0	5	9	2
95-49-8	2-Chlorotoluene	U	9	1.0	5	9	1
96-18-4	1,2,3-Trichloropropane	U	9	1.0	5	9	1
106-43-4	4-Chlorotoluene	U	9	1.0	5	9	0.8
98-06-6	tert-Butylbenzene	U	9	1.0	5	9	1
95-63-6	1,2,4-Trimethylbenzene	U	9	1.0	5	9	1.0
99-87-6	P-Isopropyltoluene	U	9	1.0	5	9	1
541-73-1	1,3-Dichlorobenzene	U	9	1.0	5	9	0.6
106-46-7	1,4-Dichlorobenzene	U	9	1.0	5	9	0.4
104-51-8	N-Butylbenzene	U	9	1.0	5	9	1
135-98-8	sec-Butylbenzene	U	9	1.0	5	9	2
95-50-1	1,2-Dichlorobenzene	U	9	1.0	5	9	0.5
96-12-8	1,2-Dibromo-3-Chloropropane	U	9	1.0	5	9	1
87-68-3	Hexachlorobutadiene	U	9	1.0	5	9	1
120-82-1	1,2,4-Trichlorobenzene	U	9	1.0	5	9	2
526-73-8	1,2,3-Trimethylbenzene	U	9	1.0	5	9	0.6
91-20-3	Naphthalene	U	9	1.0	5	9	3
87-61-6	1,2,3-Trichlorobenzene	U	9	1.0	5	9	2
1868-53-7	Dibromofluoromethane		78%				
17060-07-0	1,2-Dichloroethane-D4		85%				
2037-26-5	Toluene-D8		82%				
460-00-4	P-Bromofluorobenzene		70%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-29-02

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Matrix: (soil/water) SOIL Lab Sample ID: WV5605-12

Sample wt/vol: 5.000(g/mL) G Lab File ID: M9846

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: not dec. 42 Date Analyzed: 10/27/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
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FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: Middle River
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 27-OCT-2005 15:10
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 33.5

Lab ID: WV5605-10
Client ID: SD-29-SS
SDG: MID-6
Extracted by:
Extraction Method: SW846 5035
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22091
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	27	1.0	10	27	5
74-87-3	Chloromethane	U	27	1.0	10	27	3
75-01-4	Vinyl chloride	U	27	1.0	10	27	5
74-83-9	Bromomethane	U	27	1.0	10	27	5
75-00-3	Chloroethane	U	27	1.0	10	27	4
75-69-4	Trichlorofluoromethane	U	27	1.0	10	27	5
75-65-0	Tertiary-butyl alcohol	U	27	1.0	10	27	19
75-35-4	1,1-Dichloroethene	U	14	1.0	5	14	3
75-15-0	Carbon Disulfide	U	14	1.0	5	14	4
76-13-1	Freon-113	U	14	1.0	5	14	4
75-09-2	Methylene Chloride	JB	7	1.0	5	14	5
67-64-1	Acetone	JB	25	1.0	25	68	11
156-60-5	trans-1,2-Dichloroethene	U	14	1.0	5	14	2
1634-04-4	Methyl tert-butyl ether	U	27	1.0	10	27	2
108-20-3	Di-isopropyl ether	U	14	1.0	5	14	1.0
75-34-3	1,1-Dichloroethane	U	14	1.0	5	14	3
637-92-3	Ethyl tertiary-butyl ether	U	14	1.0	5	14	0.7
108-05-4	Vinyl Acetate	U	14	1.0	5	14	0.6
156-59-2	cis-1,2-Dichloroethene	U	14	1.0	5	14	2
540-59-0	1,2-Dichloroethylene (total)	U	27	1.0	10	27	4
594-20-7	2,2-Dichloropropane	U	14	1.0	5	14	4
74-97-5	Bromochloromethane	U	14	1.0	5	14	3
67-66-3	Chloroform	U	14	1.0	5	14	2
56-23-5	Carbon Tetrachloride	U	14	1.0	5	14	8
71-55-6	1,1,1-Trichloroethane	U	14	1.0	5	14	4
563-58-6	1,1-Dichloropropene	U	14	1.0	5	14	4
78-93-3	2-Butanone	U	68	1.0	25	68	8
71-43-2	Benzene	U	14	1.0	5	14	2
994-05-8	Tertiary-amyl methyl ether	U	14	1.0	5	14	1
107-06-2	1,2-Dichloroethane	U	14	1.0	5	14	2
79-01-6	Trichloroethene	U	14	1.0	5	14	2
74-95-3	Dibromomethane	U	14	1.0	5	14	1
78-87-5	1,2-Dichloropropane	U	14	1.0	5	14	2
75-27-4	Bromodichloromethane	U	14	1.0	5	14	1
10061-01-5	cis-1,3-dichloropropene	U	14	1.0	5	14	0.9
110-75-8	2-Chloroethylvinylether	U	14	1.0	5	14	2
108-88-3	Toluene	U	14	1.0	5	14	2
108-10-1	4-methyl-2-pentanone	U	68	1.0	25	68	11
127-18-4	Tetrachloroethene	U	14	1.0	5	14	3
10061-02-6	trans-1,3-Dichloropropene	U	14	1.0	5	14	2
124-48-1	Dibromochloromethane	U	14	1.0	5	14	1
142-28-9	1,3-Dichloropropane	U	14	1.0	5	14	0.9
106-93-4	1,2-Dibromoethane	U	14	1.0	5	14	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: Middle River
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 27-OCT-2005 15:10
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 33.5

Lab ID: WV5605-10
Client ID: SD-29-SS
SDG: MID-6
Extracted by:
Extraction Method: SW846 5035
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22091
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	68	1.0	25	68	11
108-90-7	Chlorobenzene	U	14	1.0	5	14	2
100-41-4	Ethylbenzene	U	14	1.0	5	14	2
630-20-6	1,1,1,2-Tetrachloroethane	U	14	1.0	5	14	1
1330-20-7	Xylenes (total)	U	41	1.0	15	41	5
	m+p-Xylenes	U	27	1.0	10	27	3
95-47-6	o-Xylene	U	14	1.0	5	14	2
100-42-5	Styrene	U	14	1.0	5	14	0.9
75-25-2	Bromoform	U	14	1.0	5	14	2
98-82-8	Isopropylbenzene	U	14	1.0	5	14	2
108-86-1	Bromobenzene	U	14	1.0	5	14	3
103-65-1	N-Propylbenzene	U	14	1.0	5	14	2
79-34-5	1,1,2,2-Tetrachloroethane	U	14	1.0	5	14	3
95-49-8	2-Chlorotoluene	U	14	1.0	5	14	2
96-18-4	1,2,3-Trichloropropane	U	14	1.0	5	14	2
106-43-4	4-Chlorotoluene	U	14	1.0	5	14	1
98-06-6	tert-Butylbenzene	U	14	1.0	5	14	2
95-63-6	1,2,4-Trimethylbenzene	U	14	1.0	5	14	2
99-87-6	P-Isopropyltoluene	U	14	1.0	5	14	2
541-73-1	1,3-Dichlorobenzene	U	14	1.0	5	14	0.9
106-46-7	1,4-Dichlorobenzene	U	14	1.0	5	14	0.7
104-51-8	N-Butylbenzene	U	14	1.0	5	14	2
135-98-8	sec-Butylbenzene	U	14	1.0	5	14	3
95-50-1	1,2-Dichlorobenzene	U	14	1.0	5	14	0.8
96-12-8	1,2-Dibromo-3-Chloropropane	U	14	1.0	5	14	2
87-68-3	Hexachlorobutadiene	U	14	1.0	5	14	2
120-82-1	1,2,4-Trichlorobenzene	U	14	1.0	5	14	2
526-73-8	1,2,3-Trimethylbenzene	U	14	1.0	5	14	0.9
91-20-3	Naphthalene	U	14	1.0	5	14	4
87-61-6	1,2,3-Trichlorobenzene	U	14	1.0	5	14	4
1868-53-7	Dibromofluoromethane		58%				
17060-07-0	1,2-Dichloroethane-D4		64%				
2037-26-5	Toluene-D8		* 61%				
460-00-4	P-Bromofluorobenzene		50%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-29-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Matrix: (soil/water) SOIL Lab Sample ID: WV5605-10

Sample wt/vol: 5.500(g/mL) G Lab File ID: Z8045

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: not dec. 66 Date Analyzed: 10/27/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
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FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: Middle River
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 28-OCT-2005 00:13
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 33.5

Lab ID: WV5605-10RA
Client ID: SD-29-SS
SDG: MID-6
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22134
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	30	1.0	10	30	6
74-87-3	Chloromethane	U	30	1.0	10	30	3
75-01-4	Vinyl chloride	U	30	1.0	10	30	5
74-83-9	Bromomethane	U	30	1.0	10	30	6
75-00-3	Chloroethane	U	30	1.0	10	30	4
75-69-4	Trichlorofluoromethane	U	30	1.0	10	30	5
75-65-0	Tertiary-butyl alcohol	U	30	1.0	10	30	21
75-35-4	1,1-Dichloroethene	U	15	1.0	5	15	3
75-15-0	Carbon Disulfide	J	12	1.0	5	15	4
76-13-1	Freon-113	U	15	1.0	5	15	5
75-09-2	Methylene Chloride	JB	10	1.0	5	15	6
67-64-1	Acetone	B	88	1.0	25	74	12
156-60-5	trans-1,2-Dichloroethene	U	15	1.0	5	15	3
1634-04-4	Methyl tert-butyl ether	J	5	1.0	10	30	2
108-20-3	Di-isopropyl ether	U	15	1.0	5	15	1
75-34-3	1,1-Dichloroethane	U	15	1.0	5	15	3
637-92-3	Ethyl tertiary-butyl ether	U	15	1.0	5	15	0.8
108-05-4	Vinyl Acetate	U	15	1.0	5	15	0.7
156-59-2	cis-1,2-Dichloroethene	U	15	1.0	5	15	2
540-59-0	1,2-Dichloroethylene (total)	U	30	1.0	10	30	5
594-20-7	2,2-Dichloropropane	U	15	1.0	5	15	4
74-97-5	Bromochloromethane	U	15	1.0	5	15	4
67-66-3	Chloroform	U	15	1.0	5	15	2
56-23-5	Carbon Tetrachloride	U	15	1.0	5	15	9
71-55-6	1,1,1-Trichloroethane	U	15	1.0	5	15	4
563-58-6	1,1-Dichloropropene	U	15	1.0	5	15	4
78-93-3	2-Butanone	J	17	1.0	25	74	9
71-43-2	Benzene	U	15	1.0	5	15	2
994-05-8	Tertiary-amyl methyl ether	U	15	1.0	5	15	1
107-06-2	1,2-Dichloroethane	U	15	1.0	5	15	2
79-01-6	Trichloroethene	U	15	1.0	5	15	2
74-95-3	Dibromomethane	U	15	1.0	5	15	1
78-87-5	1,2-Dichloropropane	U	15	1.0	5	15	2
75-27-4	Bromodichloromethane	U	15	1.0	5	15	2
10061-01-5	cis-1,3-dichloropropene	U	15	1.0	5	15	1.0
110-75-8	2-Chloroethylvinylether	U	15	1.0	5	15	3
108-88-3	Toluene	U	15	1.0	5	15	2
108-10-1	4-methyl-2-pentanone	U	74	1.0	25	74	13
127-18-4	Tetrachloroethene	U	15	1.0	5	15	4
10061-02-6	trans-1,3-Dichloropropene	U	15	1.0	5	15	2
124-48-1	Dibromochloromethane	U	15	1.0	5	15	2
142-28-9	1,3-Dichloropropane	U	15	1.0	5	15	1
106-93-4	1,2-Dibromoethane	U	15	1.0	5	15	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: Middle River
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 28-OCT-2005 00:13
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 33.5

Lab ID: WV5605-10RA
Client ID: SD-29-SS
SDG: MID-6
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22134
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	74	1.0	25	74	12
108-90-7	Chlorobenzene	U	15	1.0	5	15	2
100-41-4	Ethylbenzene	U	15	1.0	5	15	2
630-20-6	1,1,1,2-Tetrachloroethane	U	15	1.0	5	15	2
1330-20-7	Xylenes (total)	U	45	1.0	15	45	6
	m+p-Xylenes	U	30	1.0	10	30	4
95-47-6	o-Xylene	U	15	1.0	5	15	2
100-42-5	Styrene	U	15	1.0	5	15	1.0
75-25-2	Bromoform	U	15	1.0	5	15	2
98-82-8	Isopropylbenzene	U	15	1.0	5	15	2
108-86-1	Bromobenzene	U	15	1.0	5	15	3
103-65-1	N-Propylbenzene	U	15	1.0	5	15	2
79-34-5	1,1,2,2-Tetrachloroethane	U	15	1.0	5	15	3
95-49-8	2-Chlorotoluene	U	15	1.0	5	15	2
96-18-4	1,2,3-Trichloropropane	U	15	1.0	5	15	2
106-43-4	4-Chlorotoluene	U	15	1.0	5	15	1
98-06-6	tert-Butylbenzene	U	15	1.0	5	15	2
95-63-6	1,2,4-Trimethylbenzene	U	15	1.0	5	15	2
99-87-6	P-Isopropyltoluene	U	15	1.0	5	15	2
541-73-1	1,3-Dichlorobenzene	U	15	1.0	5	15	1.0
106-46-7	1,4-Dichlorobenzene	U	15	1.0	5	15	0.8
104-51-8	N-Butylbenzene	U	15	1.0	5	15	2
135-98-8	sec-Butylbenzene	U	15	1.0	5	15	3
95-50-1	1,2-Dichlorobenzene	U	15	1.0	5	15	0.9
96-12-8	1,2-Dibromo-3-Chloropropane	U	15	1.0	5	15	2
87-68-3	Hexachlorobutadiene	U	15	1.0	5	15	2
120-82-1	1,2,4-Trichlorobenzene	U	15	1.0	5	15	3
526-73-8	1,2,3-Trimethylbenzene	U	15	1.0	5	15	1
91-20-3	Naphthalene	U	15	1.0	5	15	5
87-61-6	1,2,3-Trichlorobenzene	U	15	1.0	5	15	4
1868-53-7	Dibromofluoromethane		69%				
17060-07-0	1,2-Dichloroethane-D4		75%				
2037-26-5	Toluene-D8		82%				
460-00-4	P-Bromofluorobenzene		57%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-29-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Matrix: (soil/water) SOIL Lab Sample ID: WV5605-10RA

Sample wt/vol: 5.000(g/mL) G Lab File ID: Z8058

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: not dec. 66 Date Analyzed: 10/28/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	11.16	20	JB
2.		UNKNOWN	13.54	30	J
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FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: Middle River
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 27-OCT-2005 11:58
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 24.8

Lab ID: WV5605-13
Client ID: SD-30-SS
SDG: MID-6
Extracted by:
Extraction Method: SW846 5035
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22249
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	37	1.0	10	37	7
74-87-3	Chloromethane	U	37	1.0	10	37	4
75-01-4	Vinyl chloride	U	37	1.0	10	37	7
74-83-9	Bromomethane	U	37	1.0	10	37	7
75-00-3	Chloroethane	U	37	1.0	10	37	6
75-69-4	Trichlorofluoromethane	U	37	1.0	10	37	7
75-65-0	Tertiary-butyl alcohol	U	37	1.0	10	37	26
75-35-4	1,1-Dichloroethene	U	19	1.0	5	19	4
75-15-0	Carbon Disulfide	U	19	1.0	5	19	6
76-13-1	Freon-113	U	19	1.0	5	19	6
637-92-3	Ethyl tertiary-butyl ether	U	19	1.0	5	19	1
75-09-2	Methylene Chloride	U	19	1.0	5	19	7
67-64-1	Acetone		140	1.0	25	93	16
156-60-5	trans-1,2-Dichloroethene	U	19	1.0	5	19	3
1634-04-4	Methyl tert-butyl ether	J	3	1.0	10	37	2
108-20-3	Di-isopropyl ether	U	19	1.0	5	19	1
75-34-3	1,1-Dichloroethane	U	19	1.0	5	19	4
108-05-4	Vinyl Acetate	U	19	1.0	5	19	0.9
156-59-2	cis-1,2-Dichloroethene	U	19	1.0	5	19	2
540-59-0	1,2-Dichloroethylene (total)	U	37	1.0	10	37	6
594-20-7	2,2-Dichloropropane	U	19	1.0	5	19	6
74-97-5	Bromochloromethane	U	19	1.0	5	19	4
67-66-3	Chloroform	U	19	1.0	5	19	3
56-23-5	Carbon Tetrachloride	U	19	1.0	5	19	11
71-55-6	1,1,1-Trichloroethane	U	19	1.0	5	19	5
563-58-6	1,1-Dichloropropene	U	19	1.0	5	19	5
78-93-3	2-Butanone	U	93	1.0	25	93	12
71-43-2	Benzene	U	19	1.0	5	19	3
994-05-8	Tertiary-amyl methyl ether	U	19	1.0	5	19	1
107-06-2	1,2-Dichloroethane	U	19	1.0	5	19	2
79-01-6	Trichloroethene	U	19	1.0	5	19	3
74-95-3	Dibromomethane	U	19	1.0	5	19	2
78-87-5	1,2-Dichloropropane	U	19	1.0	5	19	3
75-27-4	Bromodichloromethane	U	19	1.0	5	19	2
10061-01-5	cis-1,3-dichloropropene	U	19	1.0	5	19	1
110-75-8	2-Chloroethylvinylether	U	19	1.0	5	19	4
108-88-3	Toluene	U	19	1.0	5	19	3
108-10-1	4-methyl-2-pentanone	U	93	1.0	25	93	16
127-18-4	Tetrachloroethene	U	19	1.0	5	19	4
10061-02-6	trans-1,3-Dichloropropene	U	19	1.0	5	19	2
124-48-1	Dibromochloromethane	U	19	1.0	5	19	2
142-28-9	1,3-Dichloropropane	U	19	1.0	5	19	1
106-93-4	1,2-Dibromoethane	U	19	1.0	5	19	2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: Middle River
PO NO:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 27-OCT-2005 11:58
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 24.8

Lab ID: WV5605-13
Client ID: SD-30-SS
SDG: MID-6
Extracted by:
Extraction Method: SW846 5035
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22249
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	93	1.0	25	93	15
108-90-7	Chlorobenzene	U	19	1.0	5	19	2
100-41-4	Ethylbenzene	U	19	1.0	5	19	3
630-20-6	1,1,1,2-Tetrachloroethane	U	19	1.0	5	19	2
1330-20-7	Xylenes (total)	U	56	1.0	15	56	7
	m+p-Xylenes	U	37	1.0	10	37	5
95-47-6	o-Xylene	U	19	1.0	5	19	2
100-42-5	Styrene	U	19	1.0	5	19	1
75-25-2	Bromoform	U	19	1.0	5	19	2
98-82-8	Isopropylbenzene	U	19	1.0	5	19	3
108-86-1	Bromobenzene	U	19	1.0	5	19	4
103-65-1	N-Propylbenzene	U	19	1.0	5	19	3
79-34-5	1,1,2,2-Tetrachloroethane	U	19	1.0	5	19	4
95-49-8	2-Chlorotoluene	U	19	1.0	5	19	2
96-18-4	1,2,3-Trichloropropane	U	19	1.0	5	19	3
106-43-4	4-Chlorotoluene	U	19	1.0	5	19	2
98-06-6	tert-Butylbenzene	U	19	1.0	5	19	2
95-63-6	1,2,4-Trimethylbenzene	U	19	1.0	5	19	2
99-87-6	P-Isopropyltoluene	U	19	1.0	5	19	2
541-73-1	1,3-Dichlorobenzene	U	19	1.0	5	19	1
106-46-7	1,4-Dichlorobenzene	U	19	1.0	5	19	1.0
104-51-8	N-Butylbenzene	U	19	1.0	5	19	2
135-98-8	sec-Butylbenzene	U	19	1.0	5	19	4
95-50-1	1,2-Dichlorobenzene	U	19	1.0	5	19	1
96-12-8	1,2-Dibromo-3-Chloropropane	U	19	1.0	5	19	3
87-68-3	Hexachlorobutadiene	U	19	1.0	5	19	3
120-82-1	1,2,4-Trichlorobenzene	U	19	1.0	5	19	3
526-73-8	1,2,3-Trimethylbenzene	U	19	1.0	5	19	1
91-20-3	Naphthalene	U	19	1.0	5	19	6
87-61-6	1,2,3-Trichlorobenzene	U	19	1.0	5	19	5
1868-53-7	Dibromofluoromethane		60%				
17060-07-0	1,2-Dichloroethane-D4		70%				
2037-26-5	Toluene-D8		71%				
460-00-4	P-Bromofluorobenzene		47%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-30-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Matrix: (soil/water) SOIL Lab Sample ID: WV5605-13

Sample wt/vol: 5.400(g/mL) G Lab File ID: M9847

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: not dec. 75 Date Analyzed: 10/27/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: Middle River
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 27-OCT-2005 13:15
Report Date: 11/02/2005
Matrix: SOIL
% Solids: 44.6

Lab ID: WV5605-15
Client ID: SD-31-01
SDG: MID-6
Extracted by:
Extraction Method: SW846 5035
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22249
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	21	1.0	10	21	4
74-87-3	Chloromethane	U	21	1.0	10	21	2
75-01-4	Vinyl chloride	U	21	1.0	10	21	4
74-83-9	Bromomethane	U	21	1.0	10	21	4
75-00-3	Chloroethane	U	21	1.0	10	21	3
75-69-4	Trichlorofluoromethane	U	21	1.0	10	21	4
75-65-0	Tertiary-butyl alcohol	U	21	1.0	10	21	14
75-35-4	1,1-Dichloroethene	U	10	1.0	5	10	2
75-15-0	Carbon Disulfide	J	5	1.0	5	10	3
76-13-1	Freon-113	U	10	1.0	5	10	3
637-92-3	Ethyl tertiary-butyl ether	U	10	1.0	5	10	0.6
75-09-2	Methylene Chloride	U	10	1.0	5	10	4
67-64-1	Acetone		65	1.0	25	52	9
156-60-5	trans-1,2-Dichloroethene	U	10	1.0	5	10	2
1634-04-4	Methyl tert-butyl ether	U	21	1.0	10	21	1
108-20-3	Di-isopropyl ether	U	10	1.0	5	10	0.7
75-34-3	1,1-Dichloroethane	U	10	1.0	5	10	2
108-05-4	Vinyl Acetate	U	10	1.0	5	10	0.5
156-59-2	cis-1,2-Dichloroethene	U	10	1.0	5	10	1
540-59-0	1,2-Dichloroethylene (total)	U	21	1.0	10	21	3
594-20-7	2,2-Dichloropropane	U	10	1.0	5	10	3
74-97-5	Bromochloromethane	U	10	1.0	5	10	2
67-66-3	Chloroform	U	10	1.0	5	10	2
56-23-5	Carbon Tetrachloride	U	10	1.0	5	10	6
71-55-6	1,1,1-Trichloroethane	U	10	1.0	5	10	3
563-58-6	1,1-Dichloropropene	U	10	1.0	5	10	3
78-93-3	2-Butanone	U	52	1.0	25	52	6
71-43-2	Benzene	U	10	1.0	5	10	2
994-05-8	Tertiary-amyl methyl ether	U	10	1.0	5	10	0.8
107-06-2	1,2-Dichloroethane	U	10	1.0	5	10	1
79-01-6	Trichloroethene	U	10	1.0	5	10	2
74-95-3	Dibromomethane	U	10	1.0	5	10	1.0
78-87-5	1,2-Dichloropropane	U	10	1.0	5	10	2
75-27-4	Bromodichloromethane	U	10	1.0	5	10	1
10061-01-5	cis-1,3-dichloropropene	U	10	1.0	5	10	0.7
110-75-8	2-Chloroethylvinylether	U	10	1.0	5	10	2
108-88-3	Toluene	J	2	1.0	5	10	2
108-10-1	4-methyl-2-pentanone	U	52	1.0	25	52	9
127-18-4	Tetrachloroethene	U	10	1.0	5	10	2
10061-02-6	trans-1,3-Dichloropropene	U	10	1.0	5	10	1
124-48-1	Dibromochloromethane	U	10	1.0	5	10	1
142-28-9	1,3-Dichloropropane	U	10	1.0	5	10	0.7
106-93-4	1,2-Dibromoethane	U	10	1.0	5	10	1.0

Sample Data Summary A0000057

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: Middle River
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 27-OCT-2005 13:15
Report Date: 11/02/2005
Matrix: SOIL
% Solids: 44.6

Lab ID: WV5605-15
Client ID: SD-31-01
SDG: MID-6
Extracted by:
Extraction Method: SW846 5035
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22249
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	52	1.0	25	52	8
108-90-7	Chlorobenzene	U	10	1.0	5	10	1
100-41-4	Ethylbenzene	U	10	1.0	5	10	2
630-20-6	1,1,1,2-Tetrachloroethane	U	10	1.0	5	10	1
1330-20-7	Xylenes (total)	U	31	1.0	15	31	4
	m+p-Xylenes	U	21	1.0	10	21	3
95-47-6	o-Xylene	U	10	1.0	5	10	1
100-42-5	Styrene	U	10	1.0	5	10	0.7
75-25-2	Bromoform	U	10	1.0	5	10	1
98-82-8	Isopropylbenzene	U	10	1.0	5	10	2
108-86-1	Bromobenzene	U	10	1.0	5	10	2
103-65-1	N-Propylbenzene	U	10	1.0	5	10	1
79-34-5	1,1,2,2-Tetrachloroethane	U	10	1.0	5	10	2
95-49-8	2-Chlorotoluene	U	10	1.0	5	10	1
96-18-4	1,2,3-Trichloropropane	U	10	1.0	5	10	2
106-43-4	4-Chlorotoluene	U	10	1.0	5	10	1
98-06-6	tert-Butylbenzene	U	10	1.0	5	10	1
95-63-6	1,2,4-Trimethylbenzene	U	10	1.0	5	10	1
99-87-6	P-Isopropyltoluene	U	10	1.0	5	10	1
541-73-1	1,3-Dichlorobenzene	U	10	1.0	5	10	0.7
106-46-7	1,4-Dichlorobenzene	U	10	1.0	5	10	0.5
104-51-8	N-Butylbenzene	U	10	1.0	5	10	1
135-98-8	sec-Butylbenzene	U	10	1.0	5	10	2
95-50-1	1,2-Dichlorobenzene	U	10	1.0	5	10	0.6
96-12-8	1,2-Dibromo-3-Chloropropane	U	10	1.0	5	10	2
87-68-3	Hexachlorobutadiene	U	10	1.0	5	10	2
120-82-1	1,2,4-Trichlorobenzene	U	10	1.0	5	10	2
526-73-8	1,2,3-Trimethylbenzene	U	10	1.0	5	10	0.7
91-20-3	Naphthalene	U	10	1.0	5	10	3
87-61-6	1,2,3-Trichlorobenzene	U	10	1.0	5	10	3
1868-53-7	Dibromofluoromethane		84%				
17060-07-0	1,2-Dichloroethane-D4		79%				
2037-26-5	Toluene-D8		78%				
460-00-4	P-Bromofluorobenzene		54%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-31-01

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Matrix: (soil/water) SOIL Lab Sample ID: WV5605-15

Sample wt/vol: 5.400(g/mL) G Lab File ID: M9849

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: not dec. 55 Date Analyzed: 10/27/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: Middle River
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 27-OCT-2005 21:35
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 44.6

Lab ID: WV5605-15RA
Client ID: SD-31-01
SDG: MID-6
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22134
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	22	1.0	10	22	4
74-87-3	Chloromethane	U	22	1.0	10	22	2
75-01-4	Vinyl chloride	U	22	1.0	10	22	4
74-83-9	Bromomethane	U	22	1.0	10	22	4
75-00-3	Chloroethane	U	22	1.0	10	22	3
75-69-4	Trichlorofluoromethane	U	22	1.0	10	22	4
75-65-0	Tertiary-butyl alcohol	U	22	1.0	10	22	15
75-35-4	1,1-Dichloroethene	U	11	1.0	5	11	2
75-15-0	Carbon Disulfide	U	11	1.0	5	11	3
76-13-1	Freon-113	U	11	1.0	5	11	4
75-09-2	Methylene Chloride	JB	6	1.0	5	11	4
67-64-1	Acetone	B	95	1.0	25	55	9
156-60-5	trans-1,2-Dichloroethene	U	11	1.0	5	11	2
1634-04-4	Methyl tert-butyl ether	U	22	1.0	10	22	1
108-20-3	Di-isopropyl ether	U	11	1.0	5	11	0.8
75-34-3	1,1-Dichloroethane	U	11	1.0	5	11	2
637-92-3	Ethyl tertiary-butyl ether	U	11	1.0	5	11	0.6
108-05-4	Vinyl Acetate	U	11	1.0	5	11	0.5
156-59-2	cis-1,2-Dichloroethene	U	11	1.0	5	11	1
540-59-0	1,2-Dichloroethylene (total)	U	22	1.0	10	22	3
594-20-7	2,2-Dichloropropane	U	11	1.0	5	11	3
74-97-5	Bromochloromethane	U	11	1.0	5	11	3
67-66-3	Chloroform	U	11	1.0	5	11	2
56-23-5	Carbon Tetrachloride	U	11	1.0	5	11	7
71-55-6	1,1,1-Trichloroethane	U	11	1.0	5	11	3
563-58-6	1,1-Dichloropropene	U	11	1.0	5	11	3
78-93-3	2-Butanone	U	55	1.0	25	55	7
71-43-2	Benzene	U	11	1.0	5	11	2
994-05-8	Tertiary-amyl methyl ether	U	11	1.0	5	11	0.8
107-06-2	1,2-Dichloroethane	U	11	1.0	5	11	1
79-01-6	Trichloroethene	U	11	1.0	5	11	2
74-95-3	Dibromomethane	U	11	1.0	5	11	1
78-87-5	1,2-Dichloropropane	U	11	1.0	5	11	2
75-27-4	Bromodichloromethane	U	11	1.0	5	11	1
10061-01-5	cis-1,3-dichloropropene	U	11	1.0	5	11	0.7
110-75-8	2-Chloroethylvinylether	U	11	1.0	5	11	2
108-88-3	Toluene	J	5	1.0	5	11	2
108-10-1	4-methyl-2-pentanone	U	55	1.0	25	55	9
127-18-4	Tetrachloroethene	U	11	1.0	5	11	3
10061-02-6	trans-1,3-Dichloropropene	U	11	1.0	5	11	1
124-48-1	Dibromochloromethane	U	11	1.0	5	11	1
142-28-9	1,3-Dichloropropane	U	11	1.0	5	11	0.7
106-93-4	1,2-Dibromoethane	U	11	1.0	5	11	1

Sample Data Summary A0000060

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: Middle River
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 27-OCT-2005 21:35
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 44.6

Lab ID: WV5605-15RA
Client ID: SD-31-01
SDG: MID-6
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22134
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	55	1.0	25	55	9
108-90-7	Chlorobenzene	U	11	1.0	5	11	1
100-41-4	Ethylbenzene	U	11	1.0	5	11	2
630-20-6	1,1,1,2-Tetrachloroethane	U	11	1.0	5	11	1
1330-20-7	Xylenes (total)	U	33	1.0	15	33	4
	m+p-Xylenes	U	22	1.0	10	22	3
95-47-6	o-Xylene	U	11	1.0	5	11	1
100-42-5	Styrene	J	2	1.0	5	11	0.7
75-25-2	Bromoform	U	11	1.0	5	11	1
98-82-8	Isopropylbenzene	U	11	1.0	5	11	2
108-86-1	Bromobenzene	U	11	1.0	5	11	2
103-65-1	N-Propylbenzene	U	11	1.0	5	11	2
79-34-5	1,1,2,2-Tetrachloroethane	U	11	1.0	5	11	2
95-49-8	2-Chlorotoluene	U	11	1.0	5	11	1
96-18-4	1,2,3-Trichloropropane	U	11	1.0	5	11	2
106-43-4	4-Chlorotoluene	U	11	1.0	5	11	1
98-06-6	tert-Butylbenzene	U	11	1.0	5	11	1
95-63-6	1,2,4-Trimethylbenzene	U	11	1.0	5	11	1
99-87-6	P-Isopropyltoluene	U	11	1.0	5	11	1
541-73-1	1,3-Dichlorobenzene	U	11	1.0	5	11	0.7
106-46-7	1,4-Dichlorobenzene	U	11	1.0	5	11	0.6
104-51-8	N-Butylbenzene	U	11	1.0	5	11	1
135-98-8	sec-Butylbenzene	U	11	1.0	5	11	2
95-50-1	1,2-Dichlorobenzene	U	11	1.0	5	11	0.6
96-12-8	1,2-Dibromo-3-Chloropropane	U	11	1.0	5	11	2
87-68-3	Hexachlorobutadiene	U	11	1.0	5	11	2
120-82-1	1,2,4-Trichlorobenzene	U	11	1.0	5	11	2
526-73-8	1,2,3-Trimethylbenzene	U	11	1.0	5	11	0.7
91-20-3	Naphthalene	U	11	1.0	5	11	3
87-61-6	1,2,3-Trichlorobenzene	U	11	1.0	5	11	3
1868-53-7	Dibromofluoromethane		* 47%				
17060-07-0	1,2-Dichloroethane-D4		60%				
2037-26-5	Toluene-D8		* 37%				
460-00-4	P-Bromofluorobenzene		42%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-31-01

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Matrix: (soil/water) SOIL Lab Sample ID: WV5605-15RA

Sample wt/vol: 5.100(g/mL) G Lab File ID: Z8054

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: not dec. 55 Date Analyzed: 10/27/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	541-05-9	CYCLOTRISILOXANE, HEXAMETHYL	11.16	40	NJ
2.		UNKNOWN	13.54	10	J
3.					
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FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: Middle River
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 27-OCT-2005 13:54
Report Date: 11/02/2005
Matrix: SOIL
% Solids: 32.4

Lab ID: WV5605-16
Client ID: SD-31-02
SDG: MID-6
Extracted by:
Extraction Method: SW846 5035
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22249
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	30	1.0	10	30	5
74-87-3	Chloromethane	U	30	1.0	10	30	3
75-01-4	Vinyl chloride	U	30	1.0	10	30	5
74-83-9	Bromomethane	U	30	1.0	10	30	6
75-00-3	Chloroethane	U	30	1.0	10	30	4
75-69-4	Trichlorofluoromethane	U	30	1.0	10	30	5
75-65-0	Tertiary-butyl alcohol	U	30	1.0	10	30	21
75-35-4	1,1-Dichloroethene	U	15	1.0	5	15	3
75-15-0	Carbon Disulfide	J	7	1.0	5	15	4
76-13-1	Freon-113	U	15	1.0	5	15	5
637-92-3	Ethyl tertiary-butyl ether	U	15	1.0	5	15	0.8
75-09-2	Methylene Chloride	U	15	1.0	5	15	6
67-64-1	Acetone		140	1.0	25	74	12
156-60-5	trans-1,2-Dichloroethene	U	15	1.0	5	15	3
1634-04-4	Methyl tert-butyl ether	J	3	1.0	10	30	2
108-20-3	Di-isopropyl ether	U	15	1.0	5	15	1
75-34-3	1,1-Dichloroethane	U	15	1.0	5	15	3
108-05-4	Vinyl Acetate	U	15	1.0	5	15	0.7
156-59-2	cis-1,2-Dichloroethene	U	15	1.0	5	15	2
540-59-0	1,2-Dichloroethylene (total)	U	30	1.0	10	30	5
594-20-7	2,2-Dichloropropane	U	15	1.0	5	15	4
74-97-5	Bromochloromethane	U	15	1.0	5	15	4
67-66-3	Chloroform	U	15	1.0	5	15	2
56-23-5	Carbon Tetrachloride	U	15	1.0	5	15	9
71-55-6	1,1,1-Trichloroethane	U	15	1.0	5	15	4
563-58-6	1,1-Dichloropropene	U	15	1.0	5	15	4
78-93-3	2-Butanone	U	74	1.0	25	74	9
71-43-2	Benzene	U	15	1.0	5	15	2
994-05-8	Tertiary-amyl methyl ether	U	15	1.0	5	15	1
107-06-2	1,2-Dichloroethane	U	15	1.0	5	15	2
79-01-6	Trichloroethene	U	15	1.0	5	15	2
74-95-3	Dibromomethane	U	15	1.0	5	15	1
78-87-5	1,2-Dichloropropane	U	15	1.0	5	15	2
75-27-4	Bromodichloromethane	U	15	1.0	5	15	2
10061-01-5	cis-1,3-dichloropropene	U	15	1.0	5	15	1.0
110-75-8	2-Chloroethylvinylether	U	15	1.0	5	15	3
108-88-3	Toluene	U	15	1.0	5	15	2
108-10-1	4-methyl-2-pentanone	U	74	1.0	25	74	12
127-18-4	Tetrachloroethene	U	15	1.0	5	15	4
10061-02-6	trans-1,3-Dichloropropene	U	15	1.0	5	15	2
124-48-1	Dibromochloromethane	U	15	1.0	5	15	2
142-28-9	1,3-Dichloropropane	U	15	1.0	5	15	1
106-93-4	1,2-Dibromoethane	U	15	1.0	5	15	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: Middle River
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 27-OCT-2005 13:54
Report Date: 11/02/2005
Matrix: SOIL
% Solids: 32.4

Lab ID: WV5605-16
Client ID: SD-31-02
SDG: MID-6
Extracted by:
Extraction Method: SW846 5035
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22249
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	74	1.0	25	74	12
108-90-7	Chlorobenzene	U	15	1.0	5	15	2
100-41-4	Ethylbenzene	U	15	1.0	5	15	2
630-20-6	1,1,1,2-Tetrachloroethane	U	15	1.0	5	15	2
1330-20-7	Xylenes (total)	U	44	1.0	15	44	6
	m+p-Xylenes	U	30	1.0	10	30	4
95-47-6	o-Xylene	U	15	1.0	5	15	2
100-42-5	Styrene	U	15	1.0	5	15	1.0
75-25-2	Bromoform	U	15	1.0	5	15	2
98-82-8	Isopropylbenzene	U	15	1.0	5	15	2
108-86-1	Bromobenzene	U	15	1.0	5	15	3
103-65-1	N-Propylbenzene	U	15	1.0	5	15	2
79-34-5	1,1,2,2-Tetrachloroethane	U	15	1.0	5	15	3
95-49-8	2-Chlorotoluene	U	15	1.0	5	15	2
96-18-4	1,2,3-Trichloropropane	U	15	1.0	5	15	2
106-43-4	4-Chlorotoluene	U	15	1.0	5	15	1
98-06-6	tert-Butylbenzene	U	15	1.0	5	15	2
95-63-6	1,2,4-Trimethylbenzene	U	15	1.0	5	15	2
99-87-6	P-Isopropyltoluene	U	15	1.0	5	15	2
541-73-1	1,3-Dichlorobenzene	J	1	1.0	5	15	1.0
106-46-7	1,4-Dichlorobenzene	U	15	1.0	5	15	0.8
104-51-8	N-Butylbenzene	U	15	1.0	5	15	2
135-98-8	sec-Butylbenzene	U	15	1.0	5	15	3
95-50-1	1,2-Dichlorobenzene	U	15	1.0	5	15	0.9
96-12-8	1,2-Dibromo-3-Chloropropane	U	15	1.0	5	15	2
87-68-3	Hexachlorobutadiene	U	15	1.0	5	15	2
120-82-1	1,2,4-Trichlorobenzene	U	15	1.0	5	15	3
526-73-8	1,2,3-Trimethylbenzene	U	15	1.0	5	15	1
91-20-3	Naphthalene	U	15	1.0	5	15	5
87-61-6	1,2,3-Trichlorobenzene	U	15	1.0	5	15	4
1868-53-7	Dibromofluoromethane		66%				
17060-07-0	1,2-Dichloroethane-D4		74%				
2037-26-5	Toluene-D8		77%				
460-00-4	P-Bromofluorobenzene		53%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-31-02

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Matrix: (soil/water) SOIL Lab Sample ID: WV5605-16

Sample wt/vol: 5.200(g/mL) G Lab File ID: M9850

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: not dec. 68 Date Analyzed: 10/27/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
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FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: Middle River
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 27-OCT-2005 12:37
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 38.1

Lab ID: WV5605-14
Client ID: SD-31-SS
SDG: MID-6
Extracted by:
Extraction Method: SW846 5035
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22249
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	26	1.0	10	26	5
74-87-3	Chloromethane	U	26	1.0	10	26	2
75-01-4	Vinyl chloride	U	26	1.0	10	26	5
74-83-9	Bromomethane	U	26	1.0	10	26	5
75-00-3	Chloroethane	U	26	1.0	10	26	4
75-69-4	Trichlorofluoromethane	U	26	1.0	10	26	5
75-65-0	Tertiary-butyl alcohol	U	26	1.0	10	26	18
75-35-4	1,1-Dichloroethene	U	13	1.0	5	13	3
75-15-0	Carbon Disulfide	U	13	1.0	5	13	4
76-13-1	Freon-113	U	13	1.0	5	13	4
637-92-3	Ethyl tertiary-butyl ether	U	13	1.0	5	13	0.7
75-09-2	Methylene Chloride	U	13	1.0	5	13	5
67-64-1	Acetone	J	61	1.0	25	66	11
156-60-5	trans-1,2-Dichloroethene	U	13	1.0	5	13	2
1634-04-4	Methyl tert-butyl ether	J	3	1.0	10	26	2
108-20-3	Di-isopropyl ether	U	13	1.0	5	13	0.9
75-34-3	1,1-Dichloroethane	U	13	1.0	5	13	3
108-05-4	Vinyl Acetate	U	13	1.0	5	13	0.6
156-59-2	cis-1,2-Dichloroethene	U	13	1.0	5	13	2
540-59-0	1,2-Dichloroethylene (total)	U	26	1.0	10	26	4
594-20-7	2,2-Dichloropropane	U	13	1.0	5	13	4
74-97-5	Bromochloromethane	U	13	1.0	5	13	3
67-66-3	Chloroform	U	13	1.0	5	13	2
56-23-5	Carbon Tetrachloride	U	13	1.0	5	13	8
71-55-6	1,1,1-Trichloroethane	U	13	1.0	5	13	3
563-58-6	1,1-Dichloropropene	U	13	1.0	5	13	3
78-93-3	2-Butanone	U	66	1.0	25	66	8
71-43-2	Benzene	U	13	1.0	5	13	2
994-05-8	Tertiary-amyl methyl ether	U	13	1.0	5	13	1
107-06-2	1,2-Dichloroethane	U	13	1.0	5	13	2
79-01-6	Trichloroethene	U	13	1.0	5	13	2
74-95-3	Dibromomethane	U	13	1.0	5	13	1
78-87-5	1,2-Dichloropropane	U	13	1.0	5	13	2
75-27-4	Bromodichloromethane	U	13	1.0	5	13	1
10061-01-5	cis-1,3-dichloropropene	U	13	1.0	5	13	0.9
110-75-8	2-Chloroethylvinylether	U	13	1.0	5	13	2
108-88-3	Toluene	U	13	1.0	5	13	2
108-10-1	4-methyl-2-pentanone	U	66	1.0	25	66	11
127-18-4	Tetrachloroethene	U	13	1.0	5	13	3
10061-02-6	trans-1,3-Dichloropropene	U	13	1.0	5	13	1
124-48-1	Dibromochloromethane	U	13	1.0	5	13	1
142-28-9	1,3-Dichloropropane	U	13	1.0	5	13	0.9
106-93-4	1,2-Dibromoethane	U	13	1.0	5	13	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: Middle River
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 27-OCT-2005 12:37
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 38.1

Lab ID: WV5605-14
Client ID: SD-31-SS
SDG: MID-6
Extracted by:
Extraction Method: SW846 5035
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22249
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	66	1.0	25	66	11
108-90-7	Chlorobenzene	U	13	1.0	5	13	2
100-41-4	Ethylbenzene	U	13	1.0	5	13	2
630-20-6	1,1,1,2-Tetrachloroethane	U	13	1.0	5	13	1
1330-20-7	Xylenes (total)	U	39	1.0	15	39	5
	m+p-Xylenes	U	26	1.0	10	26	3
95-47-6	o-Xylene	U	13	1.0	5	13	2
100-42-5	Styrene	U	13	1.0	5	13	0.8
75-25-2	Bromoform	U	13	1.0	5	13	2
98-82-8	Isopropylbenzene	U	13	1.0	5	13	2
108-86-1	Bromobenzene	U	13	1.0	5	13	3
103-65-1	N-Propylbenzene	U	13	1.0	5	13	2
79-34-5	1,1,2,2-Tetrachloroethane	U	13	1.0	5	13	3
95-49-8	2-Chlorotoluene	U	13	1.0	5	13	2
96-18-4	1,2,3-Trichloropropane	U	13	1.0	5	13	2
106-43-4	4-Chlorotoluene	U	13	1.0	5	13	1
98-06-6	tert-Butylbenzene	U	13	1.0	5	13	2
95-63-6	1,2,4-Trimethylbenzene	U	13	1.0	5	13	1
99-87-6	P-Isopropyltoluene	U	13	1.0	5	13	2
541-73-1	1,3-Dichlorobenzene	U	13	1.0	5	13	0.9
106-46-7	1,4-Dichlorobenzene	U	13	1.0	5	13	0.7
104-51-8	N-Butylbenzene	U	13	1.0	5	13	2
135-98-8	sec-Butylbenzene	U	13	1.0	5	13	2
95-50-1	1,2-Dichlorobenzene	U	13	1.0	5	13	0.8
96-12-8	1,2-Dibromo-3-Chloropropane	U	13	1.0	5	13	2
87-68-3	Hexachlorobutadiene	U	13	1.0	5	13	2
120-82-1	1,2,4-Trichlorobenzene	JB	8	1.0	5	13	2
526-73-8	1,2,3-Trimethylbenzene	U	13	1.0	5	13	0.9
91-20-3	Naphthalene	U	13	1.0	5	13	4
87-61-6	1,2,3-Trichlorobenzene	U	13	1.0	5	13	4
1868-53-7	Dibromofluoromethane		73%				
17060-07-0	1,2-Dichloroethane-D4		82%				
2037-26-5	Toluene-D8		79%				
460-00-4	P-Bromofluorobenzene		63%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-31-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Matrix: (soil/water) SOIL Lab Sample ID: WV5605-14

Sample wt/vol: 5.000(g/mL) G Lab File ID: M9848

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: not dec. 62 Date Analyzed: 10/27/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
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FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: Middle River
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 27-OCT-2005 14:33
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 20.0

Lab ID: WV5605-17
Client ID: SD-32-SS
SDG: MID-6
Extracted by:
Extraction Method: SW846 5035
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22249
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	49	1.0	10	49	9
74-87-3	Chloromethane	U	49	1.0	10	49	5
75-01-4	Vinyl chloride	U	49	1.0	10	49	9
74-83-9	Bromomethane	U	49	1.0	10	49	10
75-00-3	Chloroethane	U	49	1.0	10	49	7
75-69-4	Trichlorofluoromethane	U	49	1.0	10	49	9
75-65-0	Tertiary-butyl alcohol	U	49	1.0	10	49	34
75-35-4	1,1-Dichloroethene	U	24	1.0	5	24	5
75-15-0	Carbon Disulfide	U	24	1.0	5	24	7
76-13-1	Freon-113	U	24	1.0	5	24	8
637-92-3	Ethyl tertiary-butyl ether	U	24	1.0	5	24	1
75-09-2	Methylene Chloride	U	24	1.0	5	24	10
67-64-1	Acetone	J	110	1.0	25	120	20
156-60-5	trans-1,2-Dichloroethene	U	24	1.0	5	24	4
1634-04-4	Methyl tert-butyl ether	J	9	1.0	10	49	3
108-20-3	Di-isopropyl ether	U	24	1.0	5	24	2
75-34-3	1,1-Dichloroethane	U	24	1.0	5	24	5
108-05-4	Vinyl Acetate	U	24	1.0	5	24	1
156-59-2	cis-1,2-Dichloroethene	U	24	1.0	5	24	3
540-59-0	1,2-Dichloroethylene (total)	U	49	1.0	10	49	8
594-20-7	2,2-Dichloropropane	U	24	1.0	5	24	7
74-97-5	Bromochloromethane	U	24	1.0	5	24	6
67-66-3	Chloroform	U	24	1.0	5	24	4
56-23-5	Carbon Tetrachloride	U	24	1.0	5	24	15
71-55-6	1,1,1-Trichloroethane	U	24	1.0	5	24	6
563-58-6	1,1-Dichloropropene	U	24	1.0	5	24	6
78-93-3	2-Butanone	U	120	1.0	25	120	15
71-43-2	Benzene	U	24	1.0	5	24	4
994-05-8	Tertiary-amyl methyl ether	U	24	1.0	5	24	2
107-06-2	1,2-Dichloroethane	U	24	1.0	5	24	3
79-01-6	Trichloroethene	U	24	1.0	5	24	4
74-95-3	Dibromomethane	U	24	1.0	5	24	2
78-87-5	1,2-Dichloropropane	U	24	1.0	5	24	4
75-27-4	Bromodichloromethane	U	24	1.0	5	24	2
10061-01-5	cis-1,3-dichloropropene	U	24	1.0	5	24	2
110-75-8	2-Chloroethylvinylether	U	24	1.0	5	24	5
108-88-3	Toluene	U	24	1.0	5	24	4
108-10-1	4-methyl-2-pentanone	U	120	1.0	25	120	21
127-18-4	Tetrachloroethene	U	24	1.0	5	24	6
10061-02-6	trans-1,3-Dichloropropene	U	24	1.0	5	24	3
124-48-1	Dibromochloromethane	U	24	1.0	5	24	2
142-28-9	1,3-Dichloropropane	U	24	1.0	5	24	2
106-93-4	1,2-Dibromoethane	U	24	1.0	5	24	2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: Middle River
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 27-OCT-2005 14:33
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 20.0

Lab ID: WV5605-17
Client ID: SD-32-SS
SDG: MID-6
Extracted by:
Extraction Method: SW846 5035
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22249
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	120	1.0	25	120	20
108-90-7	Chlorobenzene	U	24	1.0	5	24	3
100-41-4	Ethylbenzene	U	24	1.0	5	24	4
630-20-6	1,1,1,2-Tetrachloroethane	U	24	1.0	5	24	2
1330-20-7	Xylenes (total)	U	74	1.0	15	74	9
	m+p-Xylenes	U	49	1.0	10	49	6
95-47-6	o-Xylene	U	24	1.0	5	24	3
100-42-5	Styrene	U	24	1.0	5	24	2
75-25-2	Bromoform	U	24	1.0	5	24	3
98-82-8	Isopropylbenzene	U	24	1.0	5	24	4
108-86-1	Bromobenzene	U	24	1.0	5	24	5
103-65-1	N-Propylbenzene	U	24	1.0	5	24	4
79-34-5	1,1,2,2-Tetrachloroethane	U	24	1.0	5	24	6
95-49-8	2-Chlorotoluene	U	24	1.0	5	24	3
96-18-4	1,2,3-Trichloropropane	U	24	1.0	5	24	4
106-43-4	4-Chlorotoluene	U	24	1.0	5	24	2
98-06-6	tert-Butylbenzene	U	24	1.0	5	24	3
95-63-6	1,2,4-Trimethylbenzene	U	24	1.0	5	24	3
99-87-6	P-Isopropyltoluene	U	24	1.0	5	24	3
541-73-1	1,3-Dichlorobenzene	U	24	1.0	5	24	2
106-46-7	1,4-Dichlorobenzene	U	24	1.0	5	24	1
104-51-8	N-Butylbenzene	U	24	1.0	5	24	3
135-98-8	sec-Butylbenzene	U	24	1.0	5	24	5
95-50-1	1,2-Dichlorobenzene	U	24	1.0	5	24	1
96-12-8	1,2-Dibromo-3-Chloropropane	U	24	1.0	5	24	4
87-68-3	Hexachlorobutadiene	U	24	1.0	5	24	4
120-82-1	1,2,4-Trichlorobenzene	U	24	1.0	5	24	4
526-73-8	1,2,3-Trimethylbenzene	U	24	1.0	5	24	2
91-20-3	Naphthalene	U	24	1.0	5	24	8
87-61-6	1,2,3-Trichlorobenzene	U	24	1.0	5	24	7
1868-53-7	Dibromofluoromethane		* 51%				
17060-07-0	1,2-Dichloroethane-D4		76%				
2037-26-5	Toluene-D8		86%				
460-00-4	P-Bromofluorobenzene		62%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-32-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Matrix: (soil/water) SOIL Lab Sample ID: WV5605-17

Sample wt/vol: 5.100(g/mL) G Lab File ID: M9851

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: not dec. 80 Date Analyzed: 10/27/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
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FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: Middle River
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 27-OCT-2005 22:54
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 20.0

Lab ID: WV5605-17RA
Client ID: SD-32-SS
SDG: MID-6
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22134
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	48	1.0	10	48	9
74-87-3	Chloromethane	U	48	1.0	10	48	5
75-01-4	Vinyl chloride	U	48	1.0	10	48	9
74-83-9	Bromomethane	U	48	1.0	10	48	10
75-00-3	Chloroethane	U	48	1.0	10	48	7
75-69-4	Trichlorofluoromethane	U	48	1.0	10	48	9
75-65-0	Tertiary-butyl alcohol	U	48	1.0	10	48	33
75-35-4	1,1-Dichloroethene	U	24	1.0	5	24	5
75-15-0	Carbon Disulfide	U	24	1.0	5	24	7
76-13-1	Freon-113	U	24	1.0	5	24	8
75-09-2	Methylene Chloride	JB	16	1.0	5	24	10
67-64-1	Acetone	B	120	1.0	25	120	20
156-60-5	trans-1,2-Dichloroethene	U	24	1.0	5	24	4
1634-04-4	Methyl tert-butyl ether	J	8	1.0	10	48	3
108-20-3	Di-isopropyl ether	U	24	1.0	5	24	2
75-34-3	1,1-Dichloroethane	U	24	1.0	5	24	5
637-92-3	Ethyl tertiary-butyl ether	U	24	1.0	5	24	1
108-05-4	Vinyl Acetate	U	24	1.0	5	24	1
156-59-2	cis-1,2-Dichloroethene	U	24	1.0	5	24	3
540-59-0	1,2-Dichloroethylene (total)	U	48	1.0	10	48	8
594-20-7	2,2-Dichloropropane	U	24	1.0	5	24	7
74-97-5	Bromochloromethane	U	24	1.0	5	24	6
67-66-3	Chloroform	U	24	1.0	5	24	4
56-23-5	Carbon Tetrachloride	U	24	1.0	5	24	14
71-55-6	1,1,1-Trichloroethane	U	24	1.0	5	24	6
563-58-6	1,1-Dichloropropene	U	24	1.0	5	24	6
78-93-3	2-Butanone	U	120	1.0	25	120	15
71-43-2	Benzene	U	24	1.0	5	24	4
994-05-8	Tertiary-amyl methyl ether	U	24	1.0	5	24	2
107-06-2	1,2-Dichloroethane	U	24	1.0	5	24	3
79-01-6	Trichloroethene	U	24	1.0	5	24	4
74-95-3	Dibromomethane	U	24	1.0	5	24	2
78-87-5	1,2-Dichloropropane	U	24	1.0	5	24	4
75-27-4	Bromodichloromethane	U	24	1.0	5	24	2
10061-01-5	cis-1,3-dichloropropene	U	24	1.0	5	24	2
110-75-8	2-Chloroethylvinylether	U	24	1.0	5	24	4
108-88-3	Toluene	U	24	1.0	5	24	4
108-10-1	4-methyl-2-pentanone	U	120	1.0	25	120	20
127-18-4	Tetrachloroethene	U	24	1.0	5	24	6
10061-02-6	trans-1,3-Dichloropropene	U	24	1.0	5	24	3
124-48-1	Dibromochloromethane	U	24	1.0	5	24	2
142-28-9	1,3-Dichloropropane	U	24	1.0	5	24	2
106-93-4	1,2-Dibromoethane	U	24	1.0	5	24	2

Sample Data Summary A0000069

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: Middle River
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 27-OCT-2005 22:54
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 20.0

Lab ID: WV5605-17RA
Client ID: SD-32-SS
SDG: MID-6
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22134
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	120	1.0	25	120	19
108-90-7	Chlorobenzene	U	24	1.0	5	24	3
100-41-4	Ethylbenzene	U	24	1.0	5	24	4
630-20-6	1,1,1,2-Tetrachloroethane	U	24	1.0	5	24	2
1330-20-7	Xylenes (total)	U	72	1.0	15	72	9
	m+p-Xylenes	U	48	1.0	10	48	6
95-47-6	o-Xylene	U	24	1.0	5	24	3
100-42-5	Styrene	U	24	1.0	5	24	2
75-25-2	Bromoform	U	24	1.0	5	24	3
98-82-8	Isopropylbenzene	U	24	1.0	5	24	4
108-86-1	Bromobenzene	U	24	1.0	5	24	5
103-65-1	N-Propylbenzene	U	24	1.0	5	24	3
79-34-5	1,1,2,2-Tetrachloroethane	U	24	1.0	5	24	5
95-49-8	2-Chlorotoluene	U	24	1.0	5	24	3
96-18-4	1,2,3-Trichloropropane	U	24	1.0	5	24	4
106-43-4	4-Chlorotoluene	U	24	1.0	5	24	2
98-06-6	tert-Butylbenzene	U	24	1.0	5	24	3
95-63-6	1,2,4-Trimethylbenzene	U	24	1.0	5	24	3
99-87-6	P-Isopropyltoluene	U	24	1.0	5	24	3
541-73-1	1,3-Dichlorobenzene	U	24	1.0	5	24	2
106-46-7	1,4-Dichlorobenzene	U	24	1.0	5	24	1
104-51-8	N-Butylbenzene	U	24	1.0	5	24	3
135-98-8	sec-Butylbenzene	U	24	1.0	5	24	5
95-50-1	1,2-Dichlorobenzene	U	24	1.0	5	24	1
96-12-8	1,2-Dibromo-3-Chloropropane	U	24	1.0	5	24	4
87-68-3	Hexachlorobutadiene	U	24	1.0	5	24	4
120-82-1	1,2,4-Trichlorobenzene	U	24	1.0	5	24	4
526-73-8	1,2,3-Trimethylbenzene	U	24	1.0	5	24	2
91-20-3	Naphthalene	U	24	1.0	5	24	8
87-61-6	1,2,3-Trichlorobenzene	U	24	1.0	5	24	7
1868-53-7	Dibromofluoromethane		* 56%				
17060-07-0	1,2-Dichloroethane-D4		86%				
2037-26-5	Toluene-D8		105%				
460-00-4	P-Bromofluorobenzene		67%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-32-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Matrix: (soil/water) SOIL Lab Sample ID: WV5605-17RA

Sample wt/vol: 5.200(g/mL) G Lab File ID: Z8056

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: not dec. 80 Date Analyzed: 10/27/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	11.17	40	JB
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FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: Middle River
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 27-OCT-2005 15:11
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 24.5

Lab ID: WV5605-18
Client ID: SD-33-SS
SDG: MID-6
Extracted by:
Extraction Method: SW846 5035
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22249
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	39	1.0	10	39	7
74-87-3	Chloromethane	U	39	1.0	10	39	4
75-01-4	Vinyl chloride	U	39	1.0	10	39	7
74-83-9	Bromomethane	U	39	1.0	10	39	8
75-00-3	Chloroethane	U	39	1.0	10	39	6
75-69-4	Trichlorofluoromethane	U	39	1.0	10	39	7
75-65-0	Tertiary-butyl alcohol	U	39	1.0	10	39	27
75-35-4	1,1-Dichloroethene	U	20	1.0	5	20	4
75-15-0	Carbon Disulfide	U	20	1.0	5	20	6
76-13-1	Freon-113	U	20	1.0	5	20	6
637-92-3	Ethyl tertiary-butyl ether	U	20	1.0	5	20	1
75-09-2	Methylene Chloride	U	20	1.0	5	20	8
67-64-1	Acetone	J	79	1.0	25	98	16
156-60-5	trans-1,2-Dichloroethene	U	20	1.0	5	20	4
1634-04-4	Methyl tert-butyl ether	J	6	1.0	10	39	2
108-20-3	Di-isopropyl ether	U	20	1.0	5	20	1
75-34-3	1,1-Dichloroethane	U	20	1.0	5	20	4
108-05-4	Vinyl Acetate	U	20	1.0	5	20	0.9
156-59-2	cis-1,2-Dichloroethene	U	20	1.0	5	20	3
540-59-0	1,2-Dichloroethylene (total)	U	39	1.0	10	39	6
594-20-7	2,2-Dichloropropane	U	20	1.0	5	20	6
74-97-5	Bromochloromethane	U	20	1.0	5	20	5
67-66-3	Chloroform	U	20	1.0	5	20	3
56-23-5	Carbon Tetrachloride	U	20	1.0	5	20	12
71-55-6	1,1,1-Trichloroethane	U	20	1.0	5	20	5
563-58-6	1,1-Dichloropropene	U	20	1.0	5	20	5
78-93-3	2-Butanone	U	98	1.0	25	98	12
71-43-2	Benzene	U	20	1.0	5	20	3
994-05-8	Tertiary-amyl methyl ether	U	20	1.0	5	20	2
107-06-2	1,2-Dichloroethane	U	20	1.0	5	20	2
79-01-6	Trichloroethene	U	20	1.0	5	20	3
74-95-3	Dibromomethane	U	20	1.0	5	20	2
78-87-5	1,2-Dichloropropane	U	20	1.0	5	20	3
75-27-4	Bromodichloromethane	U	20	1.0	5	20	2
10061-01-5	cis-1,3-dichloropropene	U	20	1.0	5	20	1
110-75-8	2-Chloroethylvinylether	U	20	1.0	5	20	4
108-88-3	Toluene	U	20	1.0	5	20	3
108-10-1	4-methyl-2-pentanone	U	98	1.0	25	98	16
127-18-4	Tetrachloroethene	U	20	1.0	5	20	5
10061-02-6	trans-1,3-Dichloropropene	U	20	1.0	5	20	2
124-48-1	Dibromochloromethane	U	20	1.0	5	20	2
142-28-9	1,3-Dichloropropane	U	20	1.0	5	20	1
106-93-4	1,2-Dibromoethane	U	20	1.0	5	20	2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: Middle River
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 27-OCT-2005 15:11
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 24.5

Lab ID: WV5605-18
Client ID: SD-33-SS
SDG: MID-6
Extracted by:
Extraction Method: SW846 5035
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22249
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	98	1.0	25	98	16
108-90-7	Chlorobenzene	U	20	1.0	5	20	2
100-41-4	Ethylbenzene	U	20	1.0	5	20	3
630-20-6	1,1,1,2-Tetrachloroethane	U	20	1.0	5	20	2
1330-20-7	Xylenes (total)	U	59	1.0	15	59	7
	m+p-Xylenes	U	39	1.0	10	39	5
95-47-6	o-Xylene	U	20	1.0	5	20	2
100-42-5	Styrene	U	20	1.0	5	20	1
75-25-2	Bromoform	U	20	1.0	5	20	2
98-82-8	Isopropylbenzene	U	20	1.0	5	20	3
108-86-1	Bromobenzene	U	20	1.0	5	20	4
103-65-1	N-Propylbenzene	U	20	1.0	5	20	3
79-34-5	1,1,2,2-Tetrachloroethane	U	20	1.0	5	20	4
95-49-8	2-Chlorotoluene	U	20	1.0	5	20	3
96-18-4	1,2,3-Trichloropropane	U	20	1.0	5	20	3
106-43-4	4-Chlorotoluene	U	20	1.0	5	20	2
98-06-6	tert-Butylbenzene	U	20	1.0	5	20	3
95-63-6	1,2,4-Trimethylbenzene	U	20	1.0	5	20	2
99-87-6	P-Isopropyltoluene	U	20	1.0	5	20	3
541-73-1	1,3-Dichlorobenzene	U	20	1.0	5	20	1
106-46-7	1,4-Dichlorobenzene	U	20	1.0	5	20	1
104-51-8	N-Butylbenzene	U	20	1.0	5	20	2
135-98-8	sec-Butylbenzene	U	20	1.0	5	20	4
95-50-1	1,2-Dichlorobenzene	U	20	1.0	5	20	1
96-12-8	1,2-Dibromo-3-Chloropropane	U	20	1.0	5	20	3
87-68-3	Hexachlorobutadiene	U	20	1.0	5	20	3
120-82-1	1,2,4-Trichlorobenzene	U	20	1.0	5	20	3
526-73-8	1,2,3-Trimethylbenzene	U	20	1.0	5	20	1
91-20-3	Naphthalene	U	20	1.0	5	20	6
87-61-6	1,2,3-Trichlorobenzene	U	20	1.0	5	20	6
1868-53-7	Dibromofluoromethane		* 56%				
17060-07-0	1,2-Dichloroethane-D4		82%				
2037-26-5	Toluene-D8		97%				
460-00-4	P-Bromofluorobenzene		62%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-33-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Matrix: (soil/water) SOIL Lab Sample ID: WV5605-18

Sample wt/vol: 5.200(g/mL) G Lab File ID: M9852

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: not dec. 75 Date Analyzed: 10/27/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
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FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: Middle River
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 27-OCT-2005 23:34
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 24.5

Lab ID: WV5605-18RA
Client ID: SD-33-SS
SDG: MID-6
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22134
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	41	1.0	10	41	8
74-87-3	Chloromethane	U	41	1.0	10	41	4
75-01-4	Vinyl chloride	U	41	1.0	10	41	7
74-83-9	Bromomethane	U	41	1.0	10	41	8
75-00-3	Chloroethane	U	41	1.0	10	41	6
75-69-4	Trichlorofluoromethane	U	41	1.0	10	41	7
75-65-0	Tertiary-butyl alcohol	U	41	1.0	10	41	28
75-35-4	1,1-Dichloroethene	U	20	1.0	5	20	4
75-15-0	Carbon Disulfide	U	20	1.0	5	20	6
76-13-1	Freon-113	U	20	1.0	5	20	7
75-09-2	Methylene Chloride	JB	14	1.0	5	20	8
67-64-1	Acetone	JB	36	1.0	25	100	17
156-60-5	trans-1,2-Dichloroethene	U	20	1.0	5	20	4
1634-04-4	Methyl tert-butyl ether	J	6	1.0	10	41	3
108-20-3	Di-isopropyl ether	U	20	1.0	5	20	1
75-34-3	1,1-Dichloroethane	U	20	1.0	5	20	4
637-92-3	Ethyl tertiary-butyl ether	U	20	1.0	5	20	1
108-05-4	Vinyl Acetate	U	20	1.0	5	20	1.0
156-59-2	cis-1,2-Dichloroethene	U	20	1.0	5	20	3
540-59-0	1,2-Dichloroethylene (total)	U	41	1.0	10	41	6
594-20-7	2,2-Dichloropropane	U	20	1.0	5	20	6
74-97-5	Bromochloromethane	U	20	1.0	5	20	5
67-66-3	Chloroform	U	20	1.0	5	20	3
56-23-5	Carbon Tetrachloride	U	20	1.0	5	20	12
71-55-6	1,1,1-Trichloroethane	U	20	1.0	5	20	5
563-58-6	1,1-Dichloropropene	U	20	1.0	5	20	5
78-93-3	2-Butanone	U	100	1.0	25	100	13
71-43-2	Benzene	U	20	1.0	5	20	3
994-05-8	Tertiary-amyl methyl ether	U	20	1.0	5	20	2
107-06-2	1,2-Dichloroethane	U	20	1.0	5	20	2
79-01-6	Trichloroethene	U	20	1.0	5	20	3
74-95-3	Dibromomethane	U	20	1.0	5	20	2
78-87-5	1,2-Dichloropropane	U	20	1.0	5	20	3
75-27-4	Bromodichloromethane	U	20	1.0	5	20	2
10061-01-5	cis-1,3-dichloropropene	U	20	1.0	5	20	1
110-75-8	2-Chloroethylvinylether	U	20	1.0	5	20	4
108-88-3	Toluene	U	20	1.0	5	20	4
108-10-1	4-methyl-2-pentanone	U	100	1.0	25	100	17
127-18-4	Tetrachloroethene	U	20	1.0	5	20	5
10061-02-6	trans-1,3-Dichloropropene	U	20	1.0	5	20	2
124-48-1	Dibromochloromethane	U	20	1.0	5	20	2
142-28-9	1,3-Dichloropropane	U	20	1.0	5	20	1
106-93-4	1,2-Dibromoethane	U	20	1.0	5	20	2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: Middle River
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 27-OCT-2005 23:34
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 24.5

Lab ID: WV5605-18RA
Client ID: SD-33-SS
SDG: MID-6
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22134
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	100	1.0	25	100	16
108-90-7	Chlorobenzene	U	20	1.0	5	20	3
100-41-4	Ethylbenzene	U	20	1.0	5	20	3
630-20-6	1,1,1,2-Tetrachloroethane	U	20	1.0	5	20	2
1330-20-7	Xylenes (total)	U	61	1.0	15	61	8
	m+p-Xylenes	U	41	1.0	10	41	5
95-47-6	o-Xylene	U	20	1.0	5	20	2
100-42-5	Styrene	U	20	1.0	5	20	1
75-25-2	Bromoform	U	20	1.0	5	20	2
98-82-8	Isopropylbenzene	U	20	1.0	5	20	3
108-86-1	Bromobenzene	U	20	1.0	5	20	4
103-65-1	N-Propylbenzene	U	20	1.0	5	20	3
79-34-5	1,1,2,2-Tetrachloroethane	U	20	1.0	5	20	5
95-49-8	2-Chlorotoluene	U	20	1.0	5	20	3
96-18-4	1,2,3-Trichloropropane	U	20	1.0	5	20	3
106-43-4	4-Chlorotoluene	U	20	1.0	5	20	2
98-06-6	tert-Butylbenzene	U	20	1.0	5	20	3
95-63-6	1,2,4-Trimethylbenzene	U	20	1.0	5	20	2
99-87-6	P-Isopropyltoluene	U	20	1.0	5	20	3
541-73-1	1,3-Dichlorobenzene	U	20	1.0	5	20	1
106-46-7	1,4-Dichlorobenzene	U	20	1.0	5	20	1
104-51-8	N-Butylbenzene	U	20	1.0	5	20	3
135-98-8	sec-Butylbenzene	U	20	1.0	5	20	4
95-50-1	1,2-Dichlorobenzene	U	20	1.0	5	20	1
96-12-8	1,2-Dibromo-3-Chloropropane	U	20	1.0	5	20	3
87-68-3	Hexachlorobutadiene	U	20	1.0	5	20	3
120-82-1	1,2,4-Trichlorobenzene	U	20	1.0	5	20	4
526-73-8	1,2,3-Trimethylbenzene	U	20	1.0	5	20	1
91-20-3	Naphthalene	U	20	1.0	5	20	6
87-61-6	1,2,3-Trichlorobenzene	U	20	1.0	5	20	6
1868-53-7	Dibromofluoromethane		60%				
17060-07-0	1,2-Dichloroethane-D4		88%				
2037-26-5	Toluene-D8		100%				
460-00-4	P-Bromofluorobenzene		73%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-33-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Matrix: (soil/water) SOIL Lab Sample ID: WV5605-18RA

Sample wt/vol: 5.000(g/mL) G Lab File ID: Z8057

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: not dec. 75 Date Analyzed: 10/27/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: Middle River
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 27-OCT-2005 15:50
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 39.3

Lab ID: WV5605-19
Client ID: SD-34-SS
SDG: MID-6
Extracted by:
Extraction Method: SW846 5035
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22249
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	25	1.0	10	25	5
74-87-3	Chloromethane	U	25	1.0	10	25	2
75-01-4	Vinyl chloride	U	25	1.0	10	25	4
74-83-9	Bromomethane	U	25	1.0	10	25	5
75-00-3	Chloroethane	U	25	1.0	10	25	4
75-69-4	Trichlorofluoromethane	U	25	1.0	10	25	5
75-65-0	Tertiary-butyl alcohol	U	25	1.0	10	25	18
75-35-4	1,1-Dichloroethene	U	13	1.0	5	13	2
75-15-0	Carbon Disulfide	U	13	1.0	5	13	4
76-13-1	Freon-113	U	13	1.0	5	13	4
637-92-3	Ethyl tertiary-butyl ether	U	13	1.0	5	13	0.7
75-09-2	Methylene Chloride	U	13	1.0	5	13	5
67-64-1	Acetone		77	1.0	25	64	11
156-60-5	trans-1,2-Dichloroethene	U	13	1.0	5	13	2
1634-04-4	Methyl tert-butyl ether	J	3	1.0	10	25	2
108-20-3	Di-isopropyl ether	U	13	1.0	5	13	0.9
75-34-3	1,1-Dichloroethane	U	13	1.0	5	13	3
108-05-4	Vinyl Acetate	U	13	1.0	5	13	0.6
156-59-2	cis-1,2-Dichloroethene	U	13	1.0	5	13	2
540-59-0	1,2-Dichloroethylene (total)	U	25	1.0	10	25	4
594-20-7	2,2-Dichloropropane	U	13	1.0	5	13	4
74-97-5	Bromochloromethane	U	13	1.0	5	13	3
67-66-3	Chloroform	U	13	1.0	5	13	2
56-23-5	Carbon Tetrachloride	U	13	1.0	5	13	8
71-55-6	1,1,1-Trichloroethane	U	13	1.0	5	13	3
563-58-6	1,1-Dichloropropene	U	13	1.0	5	13	3
78-93-3	2-Butanone	U	64	1.0	25	64	8
71-43-2	Benzene	U	13	1.0	5	13	2
994-05-8	Tertiary-amyl methyl ether	U	13	1.0	5	13	1.0
107-06-2	1,2-Dichloroethane	U	13	1.0	5	13	2
79-01-6	Trichloroethene	U	13	1.0	5	13	2
74-95-3	Dibromomethane	U	13	1.0	5	13	1
78-87-5	1,2-Dichloropropane	U	13	1.0	5	13	2
75-27-4	Bromodichloromethane	U	13	1.0	5	13	1
10061-01-5	cis-1,3-dichloropropene	U	13	1.0	5	13	0.8
110-75-8	2-Chloroethylvinylether	U	13	1.0	5	13	2
108-88-3	Toluene	U	13	1.0	5	13	2
108-10-1	4-methyl-2-pentanone	U	64	1.0	25	64	11
127-18-4	Tetrachloroethene	U	13	1.0	5	13	3
10061-02-6	trans-1,3-Dichloropropene	U	13	1.0	5	13	1
124-48-1	Dibromochloromethane	U	13	1.0	5	13	1
142-28-9	1,3-Dichloropropane	U	13	1.0	5	13	0.9
106-93-4	1,2-Dibromoethane	U	13	1.0	5	13	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: Middle River
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 27-OCT-2005 15:50
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 39.3

Lab ID: WV5605-19
Client ID: SD-34-SS
SDG: MID-6
Extracted by:
Extraction Method: SW846 5035
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22249
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	64	1.0	25	64	10
108-90-7	Chlorobenzene	U	13	1.0	5	13	2
100-41-4	Ethylbenzene	U	13	1.0	5	13	2
630-20-6	1,1,1,2-Tetrachloroethane	U	13	1.0	5	13	1
1330-20-7	Xylenes (total)	U	38	1.0	15	38	5
	m+p-Xylenes	U	25	1.0	10	25	3
95-47-6	o-Xylene	U	13	1.0	5	13	2
100-42-5	Styrene	U	13	1.0	5	13	0.8
75-25-2	Bromoform	U	13	1.0	5	13	2
98-82-8	Isopropylbenzene	U	13	1.0	5	13	2
108-86-1	Bromobenzene	U	13	1.0	5	13	2
103-65-1	N-Propylbenzene	U	13	1.0	5	13	2
79-34-5	1,1,2,2-Tetrachloroethane	U	13	1.0	5	13	3
95-49-8	2-Chlorotoluene	U	13	1.0	5	13	2
96-18-4	1,2,3-Trichloropropane	U	13	1.0	5	13	2
106-43-4	4-Chlorotoluene	U	13	1.0	5	13	1
98-06-6	tert-Butylbenzene	U	13	1.0	5	13	2
95-63-6	1,2,4-Trimethylbenzene	U	13	1.0	5	13	1
99-87-6	P-Isopropyltoluene	U	13	1.0	5	13	2
541-73-1	1,3-Dichlorobenzene	U	13	1.0	5	13	0.8
106-46-7	1,4-Dichlorobenzene	U	13	1.0	5	13	0.7
104-51-8	N-Butylbenzene	U	13	1.0	5	13	2
135-98-8	sec-Butylbenzene	U	13	1.0	5	13	2
95-50-1	1,2-Dichlorobenzene	U	13	1.0	5	13	0.7
96-12-8	1,2-Dibromo-3-Chloropropane	U	13	1.0	5	13	2
87-68-3	Hexachlorobutadiene	U	13	1.0	5	13	2
120-82-1	1,2,4-Trichlorobenzene	U	13	1.0	5	13	2
526-73-8	1,2,3-Trimethylbenzene	U	13	1.0	5	13	0.9
91-20-3	Naphthalene	U	13	1.0	5	13	4
87-61-6	1,2,3-Trichlorobenzene	U	13	1.0	5	13	4
1868-53-7	Dibromofluoromethane		* 50%				
17060-07-0	1,2-Dichloroethane-D4		75%				
2037-26-5	Toluene-D8		80%				
460-00-4	P-Bromofluorobenzene		72%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-34-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Matrix: (soil/water) SOIL Lab Sample ID: WV5605-19

Sample wt/vol: 5.000(g/mL) G Lab File ID: M9853

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: not dec. 61 Date Analyzed: 10/27/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: Middle River
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 28-OCT-2005 00:53
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 39.3

Lab ID: WV5605-19RA
Client ID: SD-34-SS
SDG: MID-6
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22134
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	25	1.0	10	25	5
74-87-3	Chloromethane	U	25	1.0	10	25	2
75-01-4	Vinyl chloride	U	25	1.0	10	25	4
74-83-9	Bromomethane	U	25	1.0	10	25	5
75-00-3	Chloroethane	U	25	1.0	10	25	4
75-69-4	Trichlorofluoromethane	U	25	1.0	10	25	5
75-65-0	Tertiary-butyl alcohol	U	25	1.0	10	25	18
75-35-4	1,1-Dichloroethene	U	13	1.0	5	13	2
75-15-0	Carbon Disulfide	U	13	1.0	5	13	4
76-13-1	Freon-113	U	13	1.0	5	13	4
75-09-2	Methylene Chloride	JB	10	1.0	5	13	5
67-64-1	Acetone	B	73	1.0	25	64	11
156-60-5	trans-1,2-Dichloroethene	U	13	1.0	5	13	2
1634-04-4	Methyl tert-butyl ether	J	3	1.0	10	25	2
108-20-3	Di-isopropyl ether	U	13	1.0	5	13	0.9
75-34-3	1,1-Dichloroethane	U	13	1.0	5	13	3
637-92-3	Ethyl tertiary-butyl ether	U	13	1.0	5	13	0.7
108-05-4	Vinyl Acetate	U	13	1.0	5	13	0.6
156-59-2	cis-1,2-Dichloroethene	U	13	1.0	5	13	2
540-59-0	1,2-Dichloroethylene (total)	U	25	1.0	10	25	4
594-20-7	2,2-Dichloropropane	U	13	1.0	5	13	4
74-97-5	Bromochloromethane	U	13	1.0	5	13	3
67-66-3	Chloroform	U	13	1.0	5	13	2
56-23-5	Carbon Tetrachloride	U	13	1.0	5	13	8
71-55-6	1,1,1-Trichloroethane	U	13	1.0	5	13	3
563-58-6	1,1-Dichloropropene	U	13	1.0	5	13	3
78-93-3	2-Butanone	J	12	1.0	25	64	8
71-43-2	Benzene	U	13	1.0	5	13	2
994-05-8	Tertiary-amyl methyl ether	U	13	1.0	5	13	1.0
107-06-2	1,2-Dichloroethane	U	13	1.0	5	13	2
79-01-6	Trichloroethene	U	13	1.0	5	13	2
74-95-3	Dibromomethane	U	13	1.0	5	13	1
78-87-5	1,2-Dichloropropane	U	13	1.0	5	13	2
75-27-4	Bromodichloromethane	U	13	1.0	5	13	1
10061-01-5	cis-1,3-dichloropropene	U	13	1.0	5	13	0.8
110-75-8	2-Chloroethylvinylether	U	13	1.0	5	13	2
108-88-3	Toluene	U	13	1.0	5	13	2
108-10-1	4-methyl-2-pentanone	U	64	1.0	25	64	11
127-18-4	Tetrachloroethene	U	13	1.0	5	13	3
10061-02-6	trans-1,3-Dichloropropene	U	13	1.0	5	13	1
124-48-1	Dibromochloromethane	U	13	1.0	5	13	1
142-28-9	1,3-Dichloropropane	U	13	1.0	5	13	0.9
106-93-4	1,2-Dibromoethane	U	13	1.0	5	13	1

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: Middle River
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 28-OCT-2005 00:53
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 39.3

Lab ID: WV5605-19RA
Client ID: SD-34-SS
SDG: MID-6
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22134
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	64	1.0	25	64	10
108-90-7	Chlorobenzene	U	13	1.0	5	13	2
100-41-4	Ethylbenzene	U	13	1.0	5	13	2
630-20-6	1,1,1,2-Tetrachloroethane	U	13	1.0	5	13	1
1330-20-7	Xylenes (total)	U	38	1.0	15	38	5
	m+p-Xylenes	U	25	1.0	10	25	3
95-47-6	o-Xylene	U	13	1.0	5	13	2
100-42-5	Styrene	U	13	1.0	5	13	0.8
75-25-2	Bromoform	U	13	1.0	5	13	2
98-82-8	Isopropylbenzene	U	13	1.0	5	13	2
108-86-1	Bromobenzene	U	13	1.0	5	13	2
103-65-1	N-Propylbenzene	U	13	1.0	5	13	2
79-34-5	1,1,2,2-Tetrachloroethane	U	13	1.0	5	13	3
95-49-8	2-Chlorotoluene	U	13	1.0	5	13	2
96-18-4	1,2,3-Trichloropropane	U	13	1.0	5	13	2
106-43-4	4-Chlorotoluene	U	13	1.0	5	13	1
98-06-6	tert-Butylbenzene	U	13	1.0	5	13	2
95-63-6	1,2,4-Trimethylbenzene	U	13	1.0	5	13	1
99-87-6	P-Isopropyltoluene	U	13	1.0	5	13	2
541-73-1	1,3-Dichlorobenzene	U	13	1.0	5	13	0.8
106-46-7	1,4-Dichlorobenzene	U	13	1.0	5	13	0.7
104-51-8	N-Butylbenzene	U	13	1.0	5	13	2
135-98-8	sec-Butylbenzene	U	13	1.0	5	13	2
95-50-1	1,2-Dichlorobenzene	U	13	1.0	5	13	0.7
96-12-8	1,2-Dibromo-3-Chloropropane	U	13	1.0	5	13	2
87-68-3	Hexachlorobutadiene	U	13	1.0	5	13	2
120-82-1	1,2,4-Trichlorobenzene	U	13	1.0	5	13	2
526-73-8	1,2,3-Trimethylbenzene	U	13	1.0	5	13	0.9
91-20-3	Naphthalene	U	13	1.0	5	13	4
87-61-6	1,2,3-Trichlorobenzene	U	13	1.0	5	13	4
1868-53-7	Dibromofluoromethane		* 44%				
17060-07-0	1,2-Dichloroethane-D4		69%				
2037-26-5	Toluene-D8		73%				
460-00-4	P-Bromofluorobenzene		51%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-34-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Matrix: (soil/water) SOIL Lab Sample ID: WV5605-19RA

Sample wt/vol: 5.000(g/mL) G Lab File ID: Z8059

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: not dec. 61 Date Analyzed: 10/28/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	11.17	30	JB
2.		UNKNOWN	13.53	20	J
3.					
4.					
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FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: Middle River
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 28-OCT-2005 16:56
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 26.6

Lab ID: WV5605-20RA2
Client ID: SD-35-SS
SDG: MID-6
Extracted by:
Extraction Method: SW846 5035
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22163
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	38	1.0	10	38	7
74-87-3	Chloromethane	J	13	1.0	10	38	4
75-01-4	Vinyl chloride	U	38	1.0	10	38	7
74-83-9	Bromomethane	U	38	1.0	10	38	8
75-00-3	Chloroethane	U	38	1.0	10	38	6
75-69-4	Trichlorofluoromethane	U	38	1.0	10	38	7
75-65-0	Tertiary-butyl alcohol	U	38	1.0	10	38	27
75-35-4	1,1-Dichloroethene	U	19	1.0	5	19	4
75-15-0	Carbon Disulfide	U	19	1.0	5	19	6
76-13-1	Freon-113	U	19	1.0	5	19	6
75-09-2	Methylene Chloride	JB	11	1.0	5	19	8
67-64-1	Acetone	J	40	1.0	25	96	16
156-60-5	trans-1,2-Dichloroethene	U	19	1.0	5	19	3
1634-04-4	Methyl tert-butyl ether	J	6	1.0	10	38	2
108-20-3	Di-isopropyl ether	U	19	1.0	5	19	1
75-34-3	1,1-Dichloroethane	U	19	1.0	5	19	4
637-92-3	Ethyl tertiary-butyl ether	U	19	1.0	5	19	1
108-05-4	Vinyl Acetate	U	19	1.0	5	19	0.9
156-59-2	cis-1,2-Dichloroethene	U	19	1.0	5	19	3
540-59-0	1,2-Dichloroethylene (total)	U	38	1.0	10	38	6
594-20-7	2,2-Dichloropropane	U	19	1.0	5	19	6
74-97-5	Bromochloromethane	U	19	1.0	5	19	5
67-66-3	Chloroform	U	19	1.0	5	19	3
56-23-5	Carbon Tetrachloride	U	19	1.0	5	19	12
71-55-6	1,1,1-Trichloroethane	U	19	1.0	5	19	5
563-58-6	1,1-Dichloropropene	U	19	1.0	5	19	5
78-93-3	2-Butanone	U	96	1.0	25	96	12
71-43-2	Benzene	U	19	1.0	5	19	3
994-05-8	Tertiary-amyl methyl ether	U	19	1.0	5	19	1
107-06-2	1,2-Dichloroethane	U	19	1.0	5	19	2
79-01-6	Trichloroethene	U	19	1.0	5	19	3
74-95-3	Dibromomethane	U	19	1.0	5	19	2
78-87-5	1,2-Dichloropropane	U	19	1.0	5	19	3
75-27-4	Bromodichloromethane	U	19	1.0	5	19	2
10061-01-5	cis-1,3-dichloropropene	U	19	1.0	5	19	1
110-75-8	2-Chloroethylvinylether	U	19	1.0	5	19	4
108-88-3	Toluene	U	19	1.0	5	19	3
108-10-1	4-methyl-2-pentanone	U	96	1.0	25	96	16
127-18-4	Tetrachloroethene	U	19	1.0	5	19	5
10061-02-6	trans-1,3-Dichloropropene	U	19	1.0	5	19	2
124-48-1	Dibromochloromethane	U	19	1.0	5	19	2
142-28-9	1,3-Dichloropropane	U	19	1.0	5	19	1
106-93-4	1,2-Dibromoethane	U	19	1.0	5	19	2

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: Middle River
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 28-OCT-2005 16:56
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 26.6

Lab ID: WV5605-20RA2
Client ID: SD-35-SS
SDG: MID-6
Extracted by:
Extraction Method: SW846 5035
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22163
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	96	1.0	25	96	16
108-90-7	Chlorobenzene	U	19	1.0	5	19	2
100-41-4	Ethylbenzene	U	19	1.0	5	19	3
630-20-6	1,1,1,2-Tetrachloroethane	U	19	1.0	5	19	2
1330-20-7	Xylenes (total)	U	58	1.0	15	58	7
	m+p-Xylenes	U	38	1.0	10	38	5
95-47-6	o-Xylene	U	19	1.0	5	19	2
100-42-5	Styrene	U	19	1.0	5	19	1
75-25-2	Bromoform	U	19	1.0	5	19	2
98-82-8	Isopropylbenzene	U	19	1.0	5	19	3
108-86-1	Bromobenzene	U	19	1.0	5	19	4
103-65-1	N-Propylbenzene	U	19	1.0	5	19	3
79-34-5	1,1,2,2-Tetrachloroethane	U	19	1.0	5	19	4
95-49-8	2-Chlorotoluene	U	19	1.0	5	19	2
96-18-4	1,2,3-Trichloropropane	U	19	1.0	5	19	3
106-43-4	4-Chlorotoluene	U	19	1.0	5	19	2
98-06-6	tert-Butylbenzene	U	19	1.0	5	19	3
95-63-6	1,2,4-Trimethylbenzene	U	19	1.0	5	19	2
99-87-6	P-Isopropyltoluene	U	19	1.0	5	19	2
541-73-1	1,3-Dichlorobenzene	U	19	1.0	5	19	1
106-46-7	1,4-Dichlorobenzene	U	19	1.0	5	19	1.0
104-51-8	N-Butylbenzene	U	19	1.0	5	19	2
135-98-8	sec-Butylbenzene	U	19	1.0	5	19	4
95-50-1	1,2-Dichlorobenzene	U	19	1.0	5	19	1
96-12-8	1,2-Dibromo-3-Chloropropane	U	19	1.0	5	19	3
87-68-3	Hexachlorobutadiene	U	19	1.0	5	19	3
120-82-1	1,2,4-Trichlorobenzene	U	19	1.0	5	19	3
526-73-8	1,2,3-Trimethylbenzene	U	19	1.0	5	19	1
91-20-3	Naphthalene	U	19	1.0	5	19	6
87-61-6	1,2,3-Trichlorobenzene	U	19	1.0	5	19	5
1868-53-7	Dibromofluoromethane		* 45%				
17060-07-0	1,2-Dichloroethane-D4		91%				
2037-26-5	Toluene-D8		96%				
460-00-4	P-Bromofluorobenzene		67%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-35-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Matrix: (soil/water) SOIL Lab Sample ID: WV5605-20RA2

Sample wt/vol: 4.900(g/mL) G Lab File ID: Z8081

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: not dec. 73 Date Analyzed: 10/28/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	11.18	20	J
2.					
3.					
4.					
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FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/27/05
Analysis Date: 31-OCT-2005 03:22
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 68.5

Lab ID: WV5605-1
Client ID: SD-24-SS
SDG: MID-6
Extracted by: KF
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG22096
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
123-91-1	1,4-Dioxane	U	480	1.0	330	480	240
62-75-9	N-Nitrosodimethylamine	U	480	1.0	330	480	240
110-86-1	Pyridine	U	480	1.0	330	480	240
62-53-3	Aniline	U	480	1.0	330	480	240
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	480	1.0	330	480	45
108-95-2	Phenol	U	480	1.0	330	480	130
111-44-4	Bis(2-Chloroethyl)ether	U	480	1.0	330	480	48
95-57-8	2-Chlorophenol	U	480	1.0	330	480	130
541-73-1	1,3-Dichlorobenzene	U	480	1.0	330	480	77
106-46-7	1,4-Dichlorobenzene	U	480	1.0	330	480	37
100-51-6	Benzyl alcohol	U	480	1.0	330	480	45
95-48-7	2-Methylphenol	U	480	1.0	330	480	200
95-50-1	1,2-Dichlorobenzene	U	480	1.0	330	480	62
621-64-7	N-Nitroso-di-n-propylamine	U	480	1.0	330	480	82
106-44-5	3&4-Methylphenol	U	480	1.0	330	480	220
67-72-1	Hexachloroethane	U	480	1.0	330	480	88
98-95-3	Nitrobenzene	U	480	1.0	330	480	110
78-59-1	Isophorone	U	480	1.0	330	480	76
88-75-5	2-Nitrophenol	U	480	1.0	330	480	160
105-67-9	2,4-Dimethylphenol	U	480	1.0	330	480	170
111-91-1	Bis(2-Chloroethoxy)methane	U	480	1.0	330	480	76
65-85-0	Benzoic acid	U	1200	1.0	820	1200	600
120-83-2	2,4-Dichlorophenol	U	480	1.0	330	480	200
120-82-1	1,2,4-Trichlorobenzene	U	480	1.0	330	480	64
91-20-3	Naphthalene	U	480	1.0	330	480	93
106-47-8	4-Chloroaniline	U	480	1.0	330	480	78
87-68-3	Hexachlorobutadiene	U	480	1.0	330	480	64
59-50-7	4-Chloro-3-Methylphenol	U	480	1.0	330	480	170
91-57-6	2-Methylnaphthalene	U	480	1.0	330	480	83
90-12-0	1-Methylnaphthalene	U	480	1.0	330	480	240
77-47-4	Hexachlorocyclopentadiene	U	480	1.0	330	480	110
88-06-2	2,4,6-Trichlorophenol	U	480	1.0	330	480	170
95-95-4	2,4,5-Trichlorophenol	U	1200	1.0	820	1200	260
91-58-7	2-Chloronaphthalene	U	480	1.0	330	480	70
88-74-4	2-Nitroaniline	U	1200	1.0	820	1200	110
131-11-3	Dimethyl Phthalate	U	480	1.0	330	480	91
606-20-2	2,6-Dinitrotoluene	U	480	1.0	330	480	110
208-96-8	Acenaphthylene	U	480	1.0	330	480	59
99-09-2	3-Nitroaniline	U	1200	1.0	820	1200	100
83-32-9	Acenaphthene	U	480	1.0	330	480	87
51-28-5	2,4-Dinitrophenol	U	1200	1.0	820	1200	90
132-64-9	Dibenzofuran	U	480	1.0	330	480	90
100-02-7	4-Nitrophenol	U	1200	1.0	820	1200	230

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/27/05
Analysis Date: 31-OCT-2005 03:22
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 68.5

Lab ID: WV5605-1
Client ID: SD-24-SS
SDG: MID-6
Extracted by: KF
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG22096
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
121-14-2	2,4-Dinitrotoluene	U	480	1.0	330	480	140
84-66-2	Diethylphthalate	U	480	1.0	330	480	150
86-73-7	Fluorene	U	480	1.0	330	480	77
7005-72-3	4-Chlorophenyl-phenylether	U	480	1.0	330	480	73
100-01-6	4-Nitroaniline	U	1200	1.0	820	1200	120
534-52-1	4,6-Dinitro-2-Methylphenol	U	1200	1.0	820	1200	300
86-30-6	N-Nitrosodiphenylamine	U	480	1.0	330	480	100
103-33-3	Azobenzene	U	480	1.0	330	480	240
101-55-3	4-Bromophenyl-phenylether	U	480	1.0	330	480	81
118-74-1	Hexachlorobenzene	U	480	1.0	330	480	340
87-86-5	Pentachlorophenol	U	1200	1.0	820	1200	200
85-01-8	Phenanthrene	J	240	1.0	330	480	84
120-12-7	Anthracene	U	480	1.0	330	480	85
86-74-8	Carbazole	U	480	1.0	330	480	88
84-74-2	Di-n-butylphthalate	U	480	1.0	330	480	120
206-44-0	Fluoranthene	J	440	1.0	330	480	100
92-87-5	Benzidine	U	1200	1.0	820	1200	600
129-00-0	Pyrene		990	1.0	330	480	100
85-68-7	Butylbenzylphthalate	J	120	1.0	330	480	99
56-55-3	Benzo(a)anthracene	J	370	1.0	330	480	86
91-94-1	3,3'-Dichlorobenzidine	U	480	1.0	330	480	190
218-01-9	Chrysene	J	480	1.0	330	480	96
117-81-7	bis(2-Ethylhexyl)phthalate	J	450	1.0	330	480	110
117-84-0	Di-n-octylphthalate	U	480	1.0	330	480	110
205-99-2	Benzo(b)fluoranthene		570	1.0	330	480	93
207-08-9	Benzo(k)fluoranthene	J	210	1.0	330	480	86
50-32-8	Benzo(a)pyrene	J	350	1.0	330	480	66
193-39-5	Indeno(1,2,3-cd)pyrene	J	240	1.0	330	480	190
53-70-3	Dibenzo(a,h)anthracene	U	480	1.0	330	480	200
191-24-2	Benzo(g,h,i)perylene	J	230	1.0	330	480	190
367-12-4	2-Fluorophenol		73%				
13127-88-3	Phenol-D6		69%				
4165-60-0	Nitrobenzene-D5		72%				
321-60-8	2-Fluorobiphenyl		72%				
118-79-6	2,4,6-Tribromophenol		59%				
1718-51-0	Terphenyl-D14		*113%				

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-24-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Matrix: (soil/water) SOIL Lab Sample ID: WV5605-1

Sample wt/vol: 0.030(Kg/mL) KG Lab File ID: X9035

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: 32 decanted: (Y/N) N Date Extracted:10/27/05

Concentrated Extract Volume: 0.001(L) Date Analyzed: 10/31/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 5

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	5.17	1000	J
2.		UNKNOWN	20.59	300	J
3.		UNKNOWN ORGANIC ACID	20.79	1000	J
4.		UNKNOWN	21.19	3000	J
5.		UNKNOWN	32.93	5000	J
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FORM I SV-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/27/05
Analysis Date: 31-OCT-2005 02:06
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 42.5

Lab ID: WV5605-2
Client ID: SD-25-SS
SDG: MID-6
Extracted by: KF
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG22096
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
123-91-1	1,4-Dioxane	U	780	1.0	330	780	390
62-75-9	N-Nitrosodimethylamine	U	780	1.0	330	780	390
110-86-1	Pyridine	U	780	1.0	330	780	390
62-53-3	Aniline	U	780	1.0	330	780	390
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	780	1.0	330	780	72
108-95-2	Phenol	U	780	1.0	330	780	220
111-44-4	Bis(2-Chloroethyl)ether	U	780	1.0	330	780	78
95-57-8	2-Chlorophenol	U	780	1.0	330	780	210
541-73-1	1,3-Dichlorobenzene	U	780	1.0	330	780	120
106-46-7	1,4-Dichlorobenzene	J	96	1.0	330	780	59
100-51-6	Benzyl alcohol	U	780	1.0	330	780	72
95-48-7	2-Methylphenol	U	780	1.0	330	780	320
95-50-1	1,2-Dichlorobenzene	U	780	1.0	330	780	100
621-64-7	N-Nitroso-di-n-propylamine	U	780	1.0	330	780	130
106-44-5	3&4-Methylphenol	U	780	1.0	330	780	350
67-72-1	Hexachloroethane	U	780	1.0	330	780	140
98-95-3	Nitrobenzene	U	780	1.0	330	780	180
78-59-1	Isophorone	U	780	1.0	330	780	120
88-75-5	2-Nitrophenol	U	780	1.0	330	780	250
105-67-9	2,4-Dimethylphenol	U	780	1.0	330	780	280
111-91-1	Bis(2-Chloroethoxy)methane	U	780	1.0	330	780	120
65-85-0	Benzoic acid	U	1900	1.0	820	1900	960
120-83-2	2,4-Dichlorophenol	U	780	1.0	330	780	320
120-82-1	1,2,4-Trichlorobenzene	U	780	1.0	330	780	100
91-20-3	Naphthalene	U	780	1.0	330	780	150
106-47-8	4-Chloroaniline	U	780	1.0	330	780	120
87-68-3	Hexachlorobutadiene	U	780	1.0	330	780	100
59-50-7	4-Chloro-3-Methylphenol	U	780	1.0	330	780	280
91-57-6	2-Methylnaphthalene	U	780	1.0	330	780	130
90-12-0	1-Methylnaphthalene	U	780	1.0	330	780	390
77-47-4	Hexachlorocyclopentadiene	U	780	1.0	330	780	180
88-06-2	2,4,6-Trichlorophenol	U	780	1.0	330	780	280
95-95-4	2,4,5-Trichlorophenol	U	1900	1.0	820	1900	420
91-58-7	2-Chloronaphthalene	U	780	1.0	330	780	110
88-74-4	2-Nitroaniline	U	1900	1.0	820	1900	180
131-11-3	Dimethyl Phthalate	U	780	1.0	330	780	150
606-20-2	2,6-Dinitrotoluene	U	780	1.0	330	780	180
208-96-8	Acenaphthylene	U	780	1.0	330	780	95
99-09-2	3-Nitroaniline	U	1900	1.0	820	1900	170
83-32-9	Acenaphthene	J	160	1.0	330	780	140
51-28-5	2,4-Dinitrophenol	U	1900	1.0	820	1900	140
132-64-9	Dibenzofuran	U	780	1.0	330	780	140
100-02-7	4-Nitrophenol	U	1900	1.0	820	1900	360

Sample Data Summary A0000178

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/27/05
Analysis Date: 31-OCT-2005 02:06
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 42.5

Lab ID: WV5605-2
Client ID: SD-25-SS
SDG: MID-6
Extracted by: KF
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG22096
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
121-14-2	2,4-Dinitrotoluene	U	780	1.0	330	780	230
84-66-2	Diethylphthalate	U	780	1.0	330	780	240
86-73-7	Fluorene	U	780	1.0	330	780	120
7005-72-3	4-Chlorophenyl-phenylether	U	780	1.0	330	780	120
100-01-6	4-Nitroaniline	U	1900	1.0	820	1900	200
534-52-1	4,6-Dinitro-2-Methylphenol	U	1900	1.0	820	1900	490
86-30-6	N-Nitrosodiphenylamine	U	780	1.0	330	780	170
103-33-3	Azobenzene	U	780	1.0	330	780	390
101-55-3	4-Bromophenyl-phenylether	U	780	1.0	330	780	130
118-74-1	Hexachlorobenzene	U	780	1.0	330	780	550
87-86-5	Pentachlorophenol	U	1900	1.0	820	1900	330
85-01-8	Phenanthrene	J	240	1.0	330	780	140
120-12-7	Anthracene	J	150	1.0	330	780	140
86-74-8	Carbazole	U	780	1.0	330	780	140
84-74-2	Di-n-butylphthalate	U	780	1.0	330	780	200
206-44-0	Fluoranthene	J	500	1.0	330	780	170
92-87-5	Benzidine	U	1900	1.0	820	1900	960
129-00-0	Pyrene		860	1.0	330	780	170
85-68-7	Butylbenzylphthalate	U	780	1.0	330	780	160
56-55-3	Benzo(a)anthracene	J	330	1.0	330	780	140
91-94-1	3,3'-Dichlorobenzidine	U	780	1.0	330	780	310
218-01-9	Chrysene	J	490	1.0	330	780	150
117-81-7	bis(2-Ethylhexyl)phthalate	J	300	1.0	330	780	180
117-84-0	Di-n-octylphthalate	U	780	1.0	330	780	170
205-99-2	Benzo(b)fluoranthene	J	570	1.0	330	780	150
207-08-9	Benzo(k)fluoranthene	U	780	1.0	330	780	140
50-32-8	Benzo(a)pyrene	J	370	1.0	330	780	110
193-39-5	Indeno(1,2,3-cd)pyrene	J	320	1.0	330	780	310
53-70-3	Dibenzo(a,h)anthracene	U	780	1.0	330	780	330
191-24-2	Benzo(g,h,i)perylene	U	780	1.0	330	780	300
367-12-4	2-Fluorophenol		58%				
13127-88-3	Phenol-D6		73%				
4165-60-0	Nitrobenzene-D5		52%				
321-60-8	2-Fluorobiphenyl		61%				
118-79-6	2,4,6-Tribromophenol		74%				
1718-51-0	Terphenyl-D14		83%				

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-25-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Matrix: (soil/water) SOIL Lab Sample ID: WV5605-2

Sample wt/vol: 0.030(Kg/mL) KG Lab File ID: K0475

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: 58 decanted: (Y/N) N Date Extracted:10/27/05

Concentrated Extract Volume: 0.001(L) Date Analyzed: 10/31/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 9

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	5.58	2000	J
2.		UNKNOWN	18.25	500	J
3.		UNKNOWN ALKANE	18.34	1000	J
4.	17233-71-5	HEXATHIEPANE	18.93	800	NJ
5.	10544-50-0	SULFUR, MOL. (S8)	21.50	80000	NJ
6.		UNKNOWN ALKANE	25.88	400	J
7.		UNKNOWN ALKANE	27.42	800	J
8.		UNKNOWN	27.99	500	J
9.		UNKNOWN	33.66	4000	J
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FORM I SV-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/27/05
Analysis Date: 31-OCT-2005 01:08
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 22.3

Lab ID: WV5605-3
Client ID: SD-26-SS
SDG: MID-6
Extracted by: KF
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG22096
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
123-91-1	1,4-Dioxane	U	1500	1.0	330	1500	740
62-75-9	N-Nitrosodimethylamine	U	1500	1.0	330	1500	740
110-86-1	Pyridine	U	1500	1.0	330	1500	740
62-53-3	Aniline	U	1500	1.0	330	1500	740
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	1500	1.0	330	1500	140
108-95-2	Phenol	U	1500	1.0	330	1500	410
111-44-4	Bis(2-Chloroethyl)ether	U	1500	1.0	330	1500	150
95-57-8	2-Chlorophenol	U	1500	1.0	330	1500	400
541-73-1	1,3-Dichlorobenzene	U	1500	1.0	330	1500	240
106-46-7	1,4-Dichlorobenzene	J	160	1.0	330	1500	110
100-51-6	Benzyl alcohol	U	1500	1.0	330	1500	140
95-48-7	2-Methylphenol	U	1500	1.0	330	1500	610
95-50-1	1,2-Dichlorobenzene	U	1500	1.0	330	1500	190
621-64-7	N-Nitroso-di-n-propylamine	U	1500	1.0	330	1500	250
106-44-5	3&4-Methylphenol	U	1500	1.0	330	1500	670
67-72-1	Hexachloroethane	U	1500	1.0	330	1500	270
98-95-3	Nitrobenzene	U	1500	1.0	330	1500	330
78-59-1	Isophorone	U	1500	1.0	330	1500	230
88-75-5	2-Nitrophenol	U	1500	1.0	330	1500	480
105-67-9	2,4-Dimethylphenol	U	1500	1.0	330	1500	520
111-91-1	Bis(2-Chloroethoxy)methane	U	1500	1.0	330	1500	230
65-85-0	Benzoic acid	U	3700	1.0	820	3700	1800
120-83-2	2,4-Dichlorophenol	U	1500	1.0	330	1500	600
120-82-1	1,2,4-Trichlorobenzene	U	1500	1.0	330	1500	200
91-20-3	Naphthalene	U	1500	1.0	330	1500	280
106-47-8	4-Chloroaniline	U	1500	1.0	330	1500	240
87-68-3	Hexachlorobutadiene	U	1500	1.0	330	1500	200
59-50-7	4-Chloro-3-Methylphenol	U	1500	1.0	330	1500	530
91-57-6	2-Methylnaphthalene	U	1500	1.0	330	1500	250
90-12-0	1-Methylnaphthalene	U	1500	1.0	330	1500	740
77-47-4	Hexachlorocyclopentadiene	U	1500	1.0	330	1500	340
88-06-2	2,4,6-Trichlorophenol	U	1500	1.0	330	1500	520
95-95-4	2,4,5-Trichlorophenol	U	3700	1.0	820	3700	800
91-58-7	2-Chloronaphthalene	U	1500	1.0	330	1500	220
88-74-4	2-Nitroaniline	U	3700	1.0	820	3700	340
131-11-3	Dimethyl Phthalate	U	1500	1.0	330	1500	280
606-20-2	2,6-Dinitrotoluene	U	1500	1.0	330	1500	350
208-96-8	Acenaphthylene	U	1500	1.0	330	1500	180
99-09-2	3-Nitroaniline	U	3700	1.0	820	3700	320
83-32-9	Acenaphthene	U	1500	1.0	330	1500	270
51-28-5	2,4-Dinitrophenol	U	3700	1.0	820	3700	280
132-64-9	Dibenzofuran	U	1500	1.0	330	1500	280
100-02-7	4-Nitrophenol	U	3700	1.0	820	3700	690

Sample Data Summary A0000181

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/27/05
Analysis Date: 31-OCT-2005 01:08
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 22.3

Lab ID: WV5605-3
Client ID: SD-26-SS
SDG: MID-6
Extracted by: KF
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG22096
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
121-14-2	2,4-Dinitrotoluene	U	1500	1.0	330	1500	440
84-66-2	Diethylphthalate	U	1500	1.0	330	1500	460
86-73-7	Fluorene	U	1500	1.0	330	1500	240
7005-72-3	4-Chlorophenyl-phenylether	U	1500	1.0	330	1500	220
100-01-6	4-Nitroaniline	U	3700	1.0	820	3700	380
534-52-1	4,6-Dinitro-2-Methylphenol	U	3700	1.0	820	3700	920
86-30-6	N-Nitrosodiphenylamine	U	1500	1.0	330	1500	320
103-33-3	Azobenzene	U	1500	1.0	330	1500	740
101-55-3	4-Bromophenyl-phenylether	U	1500	1.0	330	1500	250
118-74-1	Hexachlorobenzene	U	1500	1.0	330	1500	1000
87-86-5	Pentachlorophenol	U	3700	1.0	820	3700	630
85-01-8	Phenanthrene	J	360	1.0	330	1500	260
120-12-7	Anthracene	U	1500	1.0	330	1500	260
86-74-8	Carbazole	U	1500	1.0	330	1500	270
84-74-2	Di-n-butylphthalate	U	1500	1.0	330	1500	380
206-44-0	Fluoranthene	J	780	1.0	330	1500	320
92-87-5	Benzidine	U	3700	1.0	820	3700	1800
129-00-0	Pyrene	J	1200	1.0	330	1500	320
85-68-7	Butylbenzylphthalate	U	1500	1.0	330	1500	300
56-55-3	Benzo(a)anthracene	J	330	1.0	330	1500	260
91-94-1	3,3'-Dichlorobenzidine	U	1500	1.0	330	1500	600
218-01-9	Chrysene	J	530	1.0	330	1500	290
117-81-7	bis(2-Ethylhexyl)phthalate		1500	1.0	330	1500	330
117-84-0	Di-n-octylphthalate	U	1500	1.0	330	1500	330
205-99-2	Benzo(b)fluoranthene	J	780	1.0	330	1500	290
207-08-9	Benzo(k)fluoranthene	J	310	1.0	330	1500	260
50-32-8	Benzo(a)pyrene	J	450	1.0	330	1500	200
193-39-5	Indeno(1,2,3-cd)pyrene	U	1500	1.0	330	1500	600
53-70-3	Dibenzo(a,h)anthracene	U	1500	1.0	330	1500	630
191-24-2	Benzo(g,h,i)perylene	U	1500	1.0	330	1500	580
367-12-4	2-Fluorophenol		62%				
13127-88-3	Phenol-D6		74%				
4165-60-0	Nitrobenzene-D5		60%				
321-60-8	2-Fluorobiphenyl		58%				
118-79-6	2,4,6-Tribromophenol		54%				
1718-51-0	Terphenyl-D14		* 65%				

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-26-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Matrix: (soil/water) SOIL Lab Sample ID: WV5605-3

Sample wt/vol: 0.030(Kg/mL) KG Lab File ID: X9032

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: 78 decanted: (Y/N) N Date Extracted:10/27/05

Concentrated Extract Volume: 0.001(L) Date Analyzed: 10/31/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 7

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	5.16	4000	J
2.		UNKNOWN ALKANE	18.08	800	J
3.		UNKNOWN	18.59	100	J
4.	10544-50-0	SULFUR, MOL. (S8)	20.79	6000	NJ
5.		UNKNOWN ALKANE	23.92	3000	J
6.		UNKNOWN ALKANE	25.55	1000	J
7.		UNKNOWN ALKANE	27.07	1000	J
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FORM I SV-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/27/05
Analysis Date: 31-OCT-2005 01:53
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 35.2

Lab ID: WV5605-5
Client ID: SD-27-01
SDG: MID-6
Extracted by: KF
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG22096
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
123-91-1	1,4-Dioxane	U	940	1.0	330	940	470
62-75-9	N-Nitrosodimethylamine	U	940	1.0	330	940	470
110-86-1	Pyridine	U	940	1.0	330	940	470
62-53-3	Aniline	U	940	1.0	330	940	470
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	940	1.0	330	940	87
108-95-2	Phenol	U	940	1.0	330	940	260
111-44-4	Bis(2-Chloroethyl)ether	U	940	1.0	330	940	94
95-57-8	2-Chlorophenol	U	940	1.0	330	940	260
541-73-1	1,3-Dichlorobenzene	U	940	1.0	330	940	150
106-46-7	1,4-Dichlorobenzene	U	940	1.0	330	940	72
100-51-6	Benzyl alcohol	U	940	1.0	330	940	87
95-48-7	2-Methylphenol	U	940	1.0	330	940	390
95-50-1	1,2-Dichlorobenzene	U	940	1.0	330	940	120
621-64-7	N-Nitroso-di-n-propylamine	U	940	1.0	330	940	160
106-44-5	3&4-Methylphenol	U	940	1.0	330	940	430
67-72-1	Hexachloroethane	U	940	1.0	330	940	170
98-95-3	Nitrobenzene	U	940	1.0	330	940	210
78-59-1	Isophorone	U	940	1.0	330	940	150
88-75-5	2-Nitrophenol	U	940	1.0	330	940	300
105-67-9	2,4-Dimethylphenol	U	940	1.0	330	940	330
111-91-1	Bis(2-Chloroethoxy)methane	U	940	1.0	330	940	150
65-85-0	Benzoic acid	U	2300	1.0	820	2300	1200
120-83-2	2,4-Dichlorophenol	U	940	1.0	330	940	380
120-82-1	1,2,4-Trichlorobenzene	U	940	1.0	330	940	120
91-20-3	Naphthalene	U	940	1.0	330	940	180
106-47-8	4-Chloroaniline	U	940	1.0	330	940	150
87-68-3	Hexachlorobutadiene	U	940	1.0	330	940	120
59-50-7	4-Chloro-3-Methylphenol	U	940	1.0	330	940	340
91-57-6	2-Methylnaphthalene	U	940	1.0	330	940	160
90-12-0	1-Methylnaphthalene	U	940	1.0	330	940	470
77-47-4	Hexachlorocyclopentadiene	U	940	1.0	330	940	210
88-06-2	2,4,6-Trichlorophenol	U	940	1.0	330	940	330
95-95-4	2,4,5-Trichlorophenol	U	2300	1.0	820	2300	510
91-58-7	2-Chloronaphthalene	U	940	1.0	330	940	140
88-74-4	2-Nitroaniline	U	2300	1.0	820	2300	210
131-11-3	Dimethyl Phthalate	U	940	1.0	330	940	180
606-20-2	2,6-Dinitrotoluene	U	940	1.0	330	940	220
208-96-8	Acenaphthylene	U	940	1.0	330	940	110
99-09-2	3-Nitroaniline	U	2300	1.0	820	2300	200
83-32-9	Acenaphthene	U	940	1.0	330	940	170
51-28-5	2,4-Dinitrophenol	U	2300	1.0	820	2300	180
132-64-9	Dibenzofuran	U	940	1.0	330	940	180
100-02-7	4-Nitrophenol	U	2300	1.0	820	2300	440

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/27/05
Analysis Date: 31-OCT-2005 01:53
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 35.2

Lab ID: WV5605-5
Client ID: SD-27-01
SDG: MID-6
Extracted by: KF
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG22096
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
121-14-2	2,4-Dinitrotoluene	U	940	1.0	330	940	280
84-66-2	Diethylphthalate	U	940	1.0	330	940	290
86-73-7	Fluorene	U	940	1.0	330	940	150
7005-72-3	4-Chlorophenyl-phenylether	U	940	1.0	330	940	140
100-01-6	4-Nitroaniline	U	2300	1.0	820	2300	240
534-52-1	4,6-Dinitro-2-Methylphenol	U	2300	1.0	820	2300	590
86-30-6	N-Nitrosodiphenylamine	U	940	1.0	330	940	200
103-33-3	Azobenzene	U	940	1.0	330	940	470
101-55-3	4-Bromophenyl-phenylether	U	940	1.0	330	940	160
118-74-1	Hexachlorobenzene	U	940	1.0	330	940	660
87-86-5	Pentachlorophenol	U	2300	1.0	820	2300	400
85-01-8	Phenanthrene	J	580	1.0	330	940	160
120-12-7	Anthracene	U	940	1.0	330	940	160
86-74-8	Carbazole	U	940	1.0	330	940	170
84-74-2	Di-n-butylphthalate	U	940	1.0	330	940	240
206-44-0	Fluoranthene		1100	1.0	330	940	200
92-87-5	Benzidine	U	2300	1.0	820	2300	1200
129-00-0	Pyrene		1600	1.0	330	940	200
85-68-7	Butylbenzylphthalate	U	940	1.0	330	940	190
56-55-3	Benzo(a)anthracene	J	580	1.0	330	940	170
91-94-1	3,3'-Dichlorobenzidine	U	940	1.0	330	940	380
218-01-9	Chrysene	J	750	1.0	330	940	190
117-81-7	bis(2-Ethylhexyl)phthalate	J	520	1.0	330	940	210
117-84-0	Di-n-octylphthalate	U	940	1.0	330	940	210
205-99-2	Benzo(b)fluoranthene	J	890	1.0	330	940	180
207-08-9	Benzo(k)fluoranthene	J	360	1.0	330	940	170
50-32-8	Benzo(a)pyrene	J	670	1.0	330	940	130
193-39-5	Indeno(1,2,3-cd)pyrene	J	600	1.0	330	940	380
53-70-3	Dibenzo(a,h)anthracene	U	940	1.0	330	940	400
191-24-2	Benzo(g,h,i)perylene	J	590	1.0	330	940	370
367-12-4	2-Fluorophenol		48%				
13127-88-3	Phenol-D6		59%				
4165-60-0	Nitrobenzene-D5		41%				
321-60-8	2-Fluorobiphenyl		47%				
118-79-6	2,4,6-Tribromophenol		48%				
1718-51-0	Terphenyl-D14		* 57%				

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-27-01

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Matrix: (soil/water) SOIL Lab Sample ID: WV5605-5

Sample wt/vol: 0.030(Kg/mL) KG Lab File ID: X9033

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: 65 decanted: (Y/N) N Date Extracted:10/27/05

Concentrated Extract Volume: 0.001(L) Date Analyzed: 10/31/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 6

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	5.16	2000	J
2.	52663-58-8	1,1'-BIPHENYL, 2,3,4',6-TET	20.28	500	NJ
3.	33284-52-5	1,1'-BIPHENYL, 3,3',5,5'-TE	20.78	400	NJ
4.	41464-42-0	1,1'-BIPHENYL, 2,3',5,5'-TE	20.82	900	NJ
5.		C17H12 ISOMER	23.46	500	J
6.		UNKNOWN	24.56	5000	J
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FORM I SV-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/27/05
Analysis Date: 30-OCT-2005 19:13
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 72.3

Lab ID: WV5605-6
Client ID: SD-27-02
SDG: MID-6
Extracted by: KF
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG22096
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
123-91-1	1,4-Dioxane	U	460	1.0	330	460	230
62-75-9	N-Nitrosodimethylamine	U	460	1.0	330	460	230
110-86-1	Pyridine	U	460	1.0	330	460	230
62-53-3	Aniline	U	460	1.0	330	460	230
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	460	1.0	330	460	42
108-95-2	Phenol	U	460	1.0	330	460	130
111-44-4	Bis(2-Chloroethyl)ether	U	460	1.0	330	460	46
95-57-8	2-Chlorophenol	U	460	1.0	330	460	120
541-73-1	1,3-Dichlorobenzene	U	460	1.0	330	460	73
106-46-7	1,4-Dichlorobenzene	U	460	1.0	330	460	35
100-51-6	Benzyl alcohol	U	460	1.0	330	460	42
95-48-7	2-Methylphenol	U	460	1.0	330	460	190
95-50-1	1,2-Dichlorobenzene	U	460	1.0	330	460	59
621-64-7	N-Nitroso-di-n-propylamine	U	460	1.0	330	460	78
106-44-5	3&4-Methylphenol	U	460	1.0	330	460	210
67-72-1	Hexachloroethane	U	460	1.0	330	460	84
98-95-3	Nitrobenzene	U	460	1.0	330	460	100
78-59-1	Isophorone	U	460	1.0	330	460	72
88-75-5	2-Nitrophenol	U	460	1.0	330	460	150
105-67-9	2,4-Dimethylphenol	U	460	1.0	330	460	160
111-91-1	Bis(2-Chloroethoxy)methane	U	460	1.0	330	460	72
65-85-0	Benzoic acid	U	1100	1.0	820	1100	570
120-83-2	2,4-Dichlorophenol	U	460	1.0	330	460	180
120-82-1	1,2,4-Trichlorobenzene	U	460	1.0	330	460	60
91-20-3	Naphthalene	U	460	1.0	330	460	88
106-47-8	4-Chloroaniline	U	460	1.0	330	460	74
87-68-3	Hexachlorobutadiene	U	460	1.0	330	460	60
59-50-7	4-Chloro-3-Methylphenol	U	460	1.0	330	460	160
91-57-6	2-Methylnaphthalene	U	460	1.0	330	460	78
90-12-0	1-Methylnaphthalene	U	460	1.0	330	460	230
77-47-4	Hexachlorocyclopentadiene	U	460	1.0	330	460	100
88-06-2	2,4,6-Trichlorophenol	U	460	1.0	330	460	160
95-95-4	2,4,5-Trichlorophenol	U	1100	1.0	820	1100	250
91-58-7	2-Chloronaphthalene	U	460	1.0	330	460	67
88-74-4	2-Nitroaniline	U	1100	1.0	820	1100	100
131-11-3	Dimethyl Phthalate	U	460	1.0	330	460	86
606-20-2	2,6-Dinitrotoluene	U	460	1.0	330	460	110
208-96-8	Acenaphthylene	U	460	1.0	330	460	56
99-09-2	3-Nitroaniline	U	1100	1.0	820	1100	99
83-32-9	Acenaphthene	U	460	1.0	330	460	82
51-28-5	2,4-Dinitrophenol	U	1100	1.0	820	1100	85
132-64-9	Dibenzofuran	U	460	1.0	330	460	86
100-02-7	4-Nitrophenol	U	1100	1.0	820	1100	210

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/27/05
Analysis Date: 30-OCT-2005 19:13
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 72.3

Lab ID: WV5605-6
Client ID: SD-27-02
SDG: MID-6
Extracted by: KF
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG22096
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
121-14-2	2,4-Dinitrotoluene	U	460	1.0	330	460	140
84-66-2	Diethylphthalate	U	460	1.0	330	460	140
86-73-7	Fluorene	U	460	1.0	330	460	73
7005-72-3	4-Chlorophenyl-phenylether	U	460	1.0	330	460	70
100-01-6	4-Nitroaniline	U	1100	1.0	820	1100	120
534-52-1	4,6-Dinitro-2-Methylphenol	U	1100	1.0	820	1100	280
86-30-6	N-Nitrosodiphenylamine	U	460	1.0	330	460	100
103-33-3	Azobenzene	U	460	1.0	330	460	230
101-55-3	4-Bromophenyl-phenylether	U	460	1.0	330	460	77
118-74-1	Hexachlorobenzene	U	460	1.0	330	460	320
87-86-5	Pentachlorophenol	U	1100	1.0	820	1100	190
85-01-8	Phenanthrene	U	460	1.0	330	460	80
120-12-7	Anthracene	U	460	1.0	330	460	80
86-74-8	Carbazole	U	460	1.0	330	460	83
84-74-2	Di-n-butylphthalate	U	460	1.0	330	460	120
206-44-0	Fluoranthene	U	460	1.0	330	460	98
92-87-5	Benzidine	U	1100	1.0	820	1100	570
129-00-0	Pyrene	U	460	1.0	330	460	100
85-68-7	Butylbenzylphthalate	U	460	1.0	330	460	94
56-55-3	Benzo(a)anthracene	U	460	1.0	330	460	82
91-94-1	3,3'-Dichlorobenzidine	U	460	1.0	330	460	180
218-01-9	Chrysene	U	460	1.0	330	460	91
117-81-7	bis(2-Ethylhexyl)phthalate	U	460	1.0	330	460	100
117-84-0	Di-n-octylphthalate	U	460	1.0	330	460	100
205-99-2	Benzo(b)fluoranthene	U	460	1.0	330	460	88
207-08-9	Benzo(k)fluoranthene	U	460	1.0	330	460	81
50-32-8	Benzo(a)pyrene	U	460	1.0	330	460	63
193-39-5	Indeno(1,2,3-cd)pyrene	U	460	1.0	330	460	180
53-70-3	Dibenzo(a,h)anthracene	U	460	1.0	330	460	190
191-24-2	Benzo(g,h,i)perylene	U	460	1.0	330	460	180
367-12-4	2-Fluorophenol		51%				
13127-88-3	Phenol-D6		55%				
4165-60-0	Nitrobenzene-D5		43%				
321-60-8	2-Fluorobiphenyl		54%				
118-79-6	2,4,6-Tribromophenol		41%				
1718-51-0	Terphenyl-D14		* 63%				

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-27-02

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Matrix: (soil/water) SOIL Lab Sample ID: WV5605-6

Sample wt/vol: 0.030(Kg/mL) KG Lab File ID: X9024

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: 28 decanted: (Y/N) N Date Extracted:10/27/05

Concentrated Extract Volume: 0.001(L) Date Analyzed: 10/30/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 4

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	5.16	900	J
2.	10544-50-0	SULFUR, MOL. (S8)	21.94	300	NJ
3.	791-28-6	PHOSPHINE OXIDE, TRIPHENYL-	25.78	200	NJ
4.		UNKNOWN	32.92	700	J
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FORM I SV-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/27/05
Analysis Date: 31-OCT-2005 02:55
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 35.3

Lab ID: WV5605-4
Client ID: SD-27-SS
SDG: MID-6
Extracted by: KF
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG22096
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
123-91-1	1,4-Dioxane	U	940	1.0	330	940	470
62-75-9	N-Nitrosodimethylamine	U	940	1.0	330	940	470
110-86-1	Pyridine	U	940	1.0	330	940	470
62-53-3	Aniline	U	940	1.0	330	940	470
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	940	1.0	330	940	87
108-95-2	Phenol	U	940	1.0	330	940	260
111-44-4	Bis(2-Chloroethyl)ether	U	940	1.0	330	940	94
95-57-8	2-Chlorophenol	U	940	1.0	330	940	260
541-73-1	1,3-Dichlorobenzene	J	420	1.0	330	940	150
106-46-7	1,4-Dichlorobenzene	J	850	1.0	330	940	71
100-51-6	Benzyl alcohol	U	940	1.0	330	940	87
95-48-7	2-Methylphenol	U	940	1.0	330	940	380
95-50-1	1,2-Dichlorobenzene	U	940	1.0	330	940	120
621-64-7	N-Nitroso-di-n-propylamine	U	940	1.0	330	940	160
106-44-5	3&4-Methylphenol	U	940	1.0	330	940	420
67-72-1	Hexachloroethane	U	940	1.0	330	940	170
98-95-3	Nitrobenzene	U	940	1.0	330	940	210
78-59-1	Isophorone	U	940	1.0	330	940	150
88-75-5	2-Nitrophenol	U	940	1.0	330	940	300
105-67-9	2,4-Dimethylphenol	U	940	1.0	330	940	330
111-91-1	Bis(2-Chloroethoxy)methane	U	940	1.0	330	940	150
65-85-0	Benzoic acid	U	2300	1.0	820	2300	1200
120-83-2	2,4-Dichlorophenol	U	940	1.0	330	940	380
120-82-1	1,2,4-Trichlorobenzene	U	940	1.0	330	940	120
91-20-3	Naphthalene	U	940	1.0	330	940	180
106-47-8	4-Chloroaniline	U	940	1.0	330	940	150
87-68-3	Hexachlorobutadiene	U	940	1.0	330	940	120
59-50-7	4-Chloro-3-Methylphenol	U	940	1.0	330	940	340
91-57-6	2-Methylnaphthalene	U	940	1.0	330	940	160
90-12-0	1-Methylnaphthalene	U	940	1.0	330	940	470
77-47-4	Hexachlorocyclopentadiene	U	940	1.0	330	940	210
88-06-2	2,4,6-Trichlorophenol	U	940	1.0	330	940	330
95-95-4	2,4,5-Trichlorophenol	U	2300	1.0	820	2300	510
91-58-7	2-Chloronaphthalene	U	940	1.0	330	940	140
88-74-4	2-Nitroaniline	U	2300	1.0	820	2300	210
131-11-3	Dimethyl Phthalate	U	940	1.0	330	940	180
606-20-2	2,6-Dinitrotoluene	U	940	1.0	330	940	220
208-96-8	Acenaphthylene	U	940	1.0	330	940	110
99-09-2	3-Nitroaniline	U	2300	1.0	820	2300	200
83-32-9	Acenaphthene	J	250	1.0	330	940	170
51-28-5	2,4-Dinitrophenol	U	2300	1.0	820	2300	170
132-64-9	Dibenzofuran	U	940	1.0	330	940	180
100-02-7	4-Nitrophenol	U	2300	1.0	820	2300	440

Sample Data Summary A0000184

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/27/05
Analysis Date: 31-OCT-2005 02:55
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 35.3

Lab ID: WV5605-4
Client ID: SD-27-SS
SDG: MID-6
Extracted by: KF
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG22096
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
121-14-2	2,4-Dinitrotoluene	U	940	1.0	330	940	280
84-66-2	Diethylphthalate	U	940	1.0	330	940	290
86-73-7	Fluorene	J	180	1.0	330	940	150
7005-72-3	4-Chlorophenyl-phenylether	U	940	1.0	330	940	140
100-01-6	4-Nitroaniline	U	2300	1.0	820	2300	240
534-52-1	4,6-Dinitro-2-Methylphenol	U	2300	1.0	820	2300	590
86-30-6	N-Nitrosodiphenylamine	U	940	1.0	330	940	200
103-33-3	Azobenzene	U	940	1.0	330	940	470
101-55-3	4-Bromophenyl-phenylether	U	940	1.0	330	940	160
118-74-1	Hexachlorobenzene	U	940	1.0	330	940	660
87-86-5	Pentachlorophenol	U	2300	1.0	820	2300	400
85-01-8	Phenanthrene	J	850	1.0	330	940	160
120-12-7	Anthracene	J	300	1.0	330	940	160
86-74-8	Carbazole	J	180	1.0	330	940	170
84-74-2	Di-n-butylphthalate	U	940	1.0	330	940	240
206-44-0	Fluoranthene		1500	1.0	330	940	200
92-87-5	Benzidine	U	2300	1.0	820	2300	1200
129-00-0	Pyrene		2500	1.0	330	940	200
85-68-7	Butylbenzylphthalate	U	940	1.0	330	940	190
56-55-3	Benzo(a)anthracene		980	1.0	330	940	170
91-94-1	3,3'-Dichlorobenzidine	U	940	1.0	330	940	380
218-01-9	Chrysene		1400	1.0	330	940	190
117-81-7	bis(2-Ethylhexyl)phthalate	J	630	1.0	330	940	210
117-84-0	Di-n-octylphthalate	U	940	1.0	330	940	210
205-99-2	Benzo(b)fluoranthene		1400	1.0	330	940	180
207-08-9	Benzo(k)fluoranthene	J	240	1.0	330	940	170
50-32-8	Benzo(a)pyrene		990	1.0	330	940	130
193-39-5	Indeno(1,2,3-cd)pyrene	J	740	1.0	330	940	380
53-70-3	Dibenzo(a,h)anthracene	U	940	1.0	330	940	400
191-24-2	Benzo(g,h,i)perylene	J	730	1.0	330	940	370
367-12-4	2-Fluorophenol		60%				
13127-88-3	Phenol-D6		85%				
4165-60-0	Nitrobenzene-D5		48%				
321-60-8	2-Fluorobiphenyl		61%				
118-79-6	2,4,6-Tribromophenol		79%				
1718-51-0	Terphenyl-D14		79%				

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-27-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Matrix: (soil/water) SOIL Lab Sample ID: WV5605-4

Sample wt/vol: 0.030(Kg/mL) KG Lab File ID: K0476

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: 65 decanted: (Y/N) N Date Extracted:10/27/05

Concentrated Extract Volume: 0.001(L) Date Analyzed: 10/31/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 16

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	5.58	2000	J
2.	108-90-7	BENZENE, CHLORO-	5.67	1000	NJ
3.		UNKNOWN ALKANE	18.34	800	J
4.	16606-02-3	1,1'-BIPHENYL, 2,4',5-TRICH	19.74	1000	NJ
5.	41464-41-9	1,1'-BIPHENYL, 2,2',5,6-TET	20.48	2000	NJ
6.	52663-58-8	1,1'-BIPHENYL, 2,3,4',6-TET	20.59	2000	NJ
7.	41464-41-9	1,1'-BIPHENYL, 2,2',5,6-TET	21.02	900	NJ
8.	33284-54-7	1,1'-BIPHENYL, 2,3,5,6-TETR	21.09	2000	NJ
9.	60233-24-1	1,1'-BIPHENYL, 2,3',4,6-TET	21.14	2000	NJ
10.	38380-01-7	1,1'-BIPHENYL, 2,2',4,4',5-	21.88	2000	NJ
11.		UNKNOWN	22.57	2000	J
12.	52663-72-6	1,1'-BIPHENYL, 2,3',4,4',5,	23.79	1000	NJ
13.	32774-16-6	1,1'-BIPHENYL, 3,3',4,4',5,	24.27	1000	NJ
14.	38380-07-3	1,1'-BIPHENYL, 2,2',3,3',4,	24.74	1000	NJ
15.	74472-51-8	1,1'-BIPHENYL, 2,3,3',4,5,5	25.03	3000	NJ
16.	52663-65-7	1,1'-BIPHENYL, 2,2',3,3',4,	25.99	600	NJ
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FORM I SV-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/27/05
Analysis Date: 30-OCT-2005 22:54
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 38.6

Lab ID: WV5605-8
Client ID: SD-28-01
SDG: MID-6
Extracted by: KF
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG22096
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
123-91-1	1,4-Dioxane	U	850	1.0	330	850	430
62-75-9	N-Nitrosodimethylamine	U	850	1.0	330	850	430
110-86-1	Pyridine	U	850	1.0	330	850	430
62-53-3	Aniline	U	850	1.0	330	850	430
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	850	1.0	330	850	79
108-95-2	Phenol	U	850	1.0	330	850	240
111-44-4	Bis(2-Chloroethyl)ether	U	850	1.0	330	850	85
95-57-8	2-Chlorophenol	U	850	1.0	330	850	230
541-73-1	1,3-Dichlorobenzene	U	850	1.0	330	850	140
106-46-7	1,4-Dichlorobenzene	J	100	1.0	330	850	65
100-51-6	Benzyl alcohol	U	850	1.0	330	850	79
95-48-7	2-Methylphenol	U	850	1.0	330	850	350
95-50-1	1,2-Dichlorobenzene	U	850	1.0	330	850	110
621-64-7	N-Nitroso-di-n-propylamine	U	850	1.0	330	850	140
106-44-5	3&4-Methylphenol	U	850	1.0	330	850	390
67-72-1	Hexachloroethane	U	850	1.0	330	850	160
98-95-3	Nitrobenzene	U	850	1.0	330	850	190
78-59-1	Isophorone	U	850	1.0	330	850	130
88-75-5	2-Nitrophenol	U	850	1.0	330	850	280
105-67-9	2,4-Dimethylphenol	U	850	1.0	330	850	300
111-91-1	Bis(2-Chloroethoxy)methane	U	850	1.0	330	850	140
65-85-0	Benzoic acid	U	2100	1.0	820	2100	1100
120-83-2	2,4-Dichlorophenol	U	850	1.0	330	850	350
120-82-1	1,2,4-Trichlorobenzene	U	850	1.0	330	850	110
91-20-3	Naphthalene	J	240	1.0	330	850	160
106-47-8	4-Chloroaniline	U	850	1.0	330	850	140
87-68-3	Hexachlorobutadiene	U	850	1.0	330	850	110
59-50-7	4-Chloro-3-Methylphenol	U	850	1.0	330	850	310
91-57-6	2-Methylnaphthalene	U	850	1.0	330	850	150
90-12-0	1-Methylnaphthalene	U	850	1.0	330	850	430
77-47-4	Hexachlorocyclopentadiene	U	850	1.0	330	850	190
88-06-2	2,4,6-Trichlorophenol	U	850	1.0	330	850	300
95-95-4	2,4,5-Trichlorophenol	U	2100	1.0	820	2100	460
91-58-7	2-Chloronaphthalene	U	850	1.0	330	850	120
88-74-4	2-Nitroaniline	U	2100	1.0	820	2100	190
131-11-3	Dimethyl Phthalate	U	850	1.0	330	850	160
606-20-2	2,6-Dinitrotoluene	U	850	1.0	330	850	200
208-96-8	Acenaphthylene	U	850	1.0	330	850	100
99-09-2	3-Nitroaniline	U	2100	1.0	820	2100	180
83-32-9	Acenaphthene	J	710	1.0	330	850	150
51-28-5	2,4-Dinitrophenol	U	2100	1.0	820	2100	160
132-64-9	Dibenzofuran	J	270	1.0	330	850	160
100-02-7	4-Nitrophenol	U	2100	1.0	820	2100	400

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/27/05
Analysis Date: 30-OCT-2005 22:54
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 38.6

Lab ID: WV5605-8
Client ID: SD-28-01
SDG: MID-6
Extracted by: KF
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG22096
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
121-14-2	2,4-Dinitrotoluene	U	850	1.0	330	850	250
84-66-2	Diethylphthalate	U	850	1.0	330	850	270
86-73-7	Fluorene	J	550	1.0	330	850	140
7005-72-3	4-Chlorophenyl-phenylether	U	850	1.0	330	850	130
100-01-6	4-Nitroaniline	U	2100	1.0	820	2100	220
534-52-1	4,6-Dinitro-2-Methylphenol	U	2100	1.0	820	2100	540
86-30-6	N-Nitrosodiphenylamine	U	850	1.0	330	850	190
103-33-3	Azobenzene	U	850	1.0	330	850	430
101-55-3	4-Bromophenyl-phenylether	U	850	1.0	330	850	140
118-74-1	Hexachlorobenzene	U	850	1.0	330	850	600
87-86-5	Pentachlorophenol	U	2100	1.0	820	2100	360
85-01-8	Phenanthrene		4900	1.0	330	850	150
120-12-7	Anthracene		1400	1.0	330	850	150
86-74-8	Carbazole	J	760	1.0	330	850	160
84-74-2	Di-n-butylphthalate	U	850	1.0	330	850	220
206-44-0	Fluoranthene		9300	1.0	330	850	180
92-87-5	Benzidine	U	2100	1.0	820	2100	1100
129-00-0	Pyrene		10000	1.0	330	850	190
85-68-7	Butylbenzylphthalate	U	850	1.0	330	850	180
56-55-3	Benzo(a)anthracene		5100	1.0	330	850	150
91-94-1	3,3'-Dichlorobenzidine	U	850	1.0	330	850	340
218-01-9	Chrysene		5200	1.0	330	850	170
117-81-7	bis(2-Ethylhexyl)phthalate	U	850	1.0	330	850	190
117-84-0	Di-n-octylphthalate	U	850	1.0	330	850	190
205-99-2	Benzo(b)fluoranthene		5400	1.0	330	850	160
207-08-9	Benzo(k)fluoranthene		2500	1.0	330	850	150
50-32-8	Benzo(a)pyrene		4200	1.0	330	850	120
193-39-5	Indeno(1,2,3-cd)pyrene		3000	1.0	330	850	340
53-70-3	Dibenzo(a,h)anthracene	J	700	1.0	330	850	360
191-24-2	Benzo(g,h,i)perylene		2300	1.0	330	850	330
367-12-4	2-Fluorophenol		68%				
13127-88-3	Phenol-D6		75%				
4165-60-0	Nitrobenzene-D5		51%				
321-60-8	2-Fluorobiphenyl		53%				
118-79-6	2,4,6-Tribromophenol		59%				
1718-51-0	Terphenyl-D14		* 59%				

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-28-01

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Matrix: (soil/water) SOIL Lab Sample ID: WV5605-8

Sample wt/vol: 0.030(Kg/mL) KG Lab File ID: X9029

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: 61 decanted: (Y/N) N Date Extracted:10/27/05

Concentrated Extract Volume: 0.001(L) Date Analyzed: 10/30/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 11

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	5.16	2000	J
2.	108-90-7	BENZENE, CHLORO-	5.25	400	NJB
3.		C15H10 ISOMER	20.51	900	J
4.		UNKNOWN	22.27	1000	JB
5.	243-42-5	BENZO[B]NAPHTHO[2,3-D]FURAN	22.82	700	NJ
6.		C17H12 ISOMER	23.30	1000	J
7.		C17H12 ISOMER	23.47	800	J
8.		C18H10 ISOMER	24.85	500	J
9.		C16H11N ISOMER	25.97	600	J
10.		C20H12 ISOMER	27.94	1000	J
11.		C20H12 ISOMER	28.28	1000	J
12.					
13.					
14.					
15.					
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FORM I SV-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/27/05
Analysis Date: 30-OCT-2005 20:41
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 44.3

Lab ID: WV5605-9
Client ID: SD-28-02
SDG: MID-6
Extracted by: KF
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG22096
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
123-91-1	1,4-Dioxane	U	740	1.0	330	740	370
62-75-9	N-Nitrosodimethylamine	U	740	1.0	330	740	370
110-86-1	Pyridine	U	740	1.0	330	740	370
62-53-3	Aniline	U	740	1.0	330	740	370
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	740	1.0	330	740	69
108-95-2	Phenol	U	740	1.0	330	740	210
111-44-4	Bis(2-Chloroethyl)ether	U	740	1.0	330	740	74
95-57-8	2-Chlorophenol	U	740	1.0	330	740	200
541-73-1	1,3-Dichlorobenzene	U	740	1.0	330	740	120
106-46-7	1,4-Dichlorobenzene	U	740	1.0	330	740	57
100-51-6	Benzyl alcohol	U	740	1.0	330	740	69
95-48-7	2-Methylphenol	U	740	1.0	330	740	310
95-50-1	1,2-Dichlorobenzene	U	740	1.0	330	740	96
621-64-7	N-Nitroso-di-n-propylamine	U	740	1.0	330	740	130
106-44-5	3&4-Methylphenol	U	740	1.0	330	740	340
67-72-1	Hexachloroethane	U	740	1.0	330	740	140
98-95-3	Nitrobenzene	U	740	1.0	330	740	170
78-59-1	Isophorone	U	740	1.0	330	740	120
88-75-5	2-Nitrophenol	U	740	1.0	330	740	240
105-67-9	2,4-Dimethylphenol	U	740	1.0	330	740	260
111-91-1	Bis(2-Chloroethoxy)methane	U	740	1.0	330	740	120
65-85-0	Benzoic acid	U	1800	1.0	820	1800	920
120-83-2	2,4-Dichlorophenol	U	740	1.0	330	740	300
120-82-1	1,2,4-Trichlorobenzene	U	740	1.0	330	740	99
91-20-3	Naphthalene	U	740	1.0	330	740	140
106-47-8	4-Chloroaniline	U	740	1.0	330	740	120
87-68-3	Hexachlorobutadiene	U	740	1.0	330	740	99
59-50-7	4-Chloro-3-Methylphenol	U	740	1.0	330	740	270
91-57-6	2-Methylnaphthalene	U	740	1.0	330	740	130
90-12-0	1-Methylnaphthalene	U	740	1.0	330	740	370
77-47-4	Hexachlorocyclopentadiene	U	740	1.0	330	740	170
88-06-2	2,4,6-Trichlorophenol	U	740	1.0	330	740	260
95-95-4	2,4,5-Trichlorophenol	U	1800	1.0	820	1800	400
91-58-7	2-Chloronaphthalene	U	740	1.0	330	740	110
88-74-4	2-Nitroaniline	U	1800	1.0	820	1800	170
131-11-3	Dimethyl Phthalate	U	740	1.0	330	740	140
606-20-2	2,6-Dinitrotoluene	U	740	1.0	330	740	170
208-96-8	Acenaphthylene	U	740	1.0	330	740	91
99-09-2	3-Nitroaniline	U	1800	1.0	820	1800	160
83-32-9	Acenaphthene	U	740	1.0	330	740	130
51-28-5	2,4-Dinitrophenol	U	1800	1.0	820	1800	140
132-64-9	Dibenzofuran	U	740	1.0	330	740	140
100-02-7	4-Nitrophenol	U	1800	1.0	820	1800	350

Sample Data Summary A0000199

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/27/05
Analysis Date: 30-OCT-2005 20:41
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 44.3

Lab ID: WV5605-9
Client ID: SD-28-02
SDG: MID-6
Extracted by: KF
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG22096
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
121-14-2	2,4-Dinitrotoluene	U	740	1.0	330	740	220
84-66-2	Diethylphthalate	U	740	1.0	330	740	230
86-73-7	Fluorene	U	740	1.0	330	740	120
7005-72-3	4-Chlorophenyl-phenylether	U	740	1.0	330	740	110
100-01-6	4-Nitroaniline	U	1800	1.0	820	1800	190
534-52-1	4,6-Dinitro-2-Methylphenol	U	1800	1.0	820	1800	470
86-30-6	N-Nitrosodiphenylamine	U	740	1.0	330	740	160
103-33-3	Azobenzene	U	740	1.0	330	740	370
101-55-3	4-Bromophenyl-phenylether	U	740	1.0	330	740	120
118-74-1	Hexachlorobenzene	U	740	1.0	330	740	530
87-86-5	Pentachlorophenol	U	1800	1.0	820	1800	320
85-01-8	Phenanthrene	U	740	1.0	330	740	130
120-12-7	Anthracene	U	740	1.0	330	740	130
86-74-8	Carbazole	U	740	1.0	330	740	140
84-74-2	Di-n-butylphthalate	U	740	1.0	330	740	190
206-44-0	Fluoranthene	U	740	1.0	330	740	160
92-87-5	Benzidine	U	1800	1.0	820	1800	920
129-00-0	Pyrene	U	740	1.0	330	740	160
85-68-7	Butylbenzylphthalate	U	740	1.0	330	740	150
56-55-3	Benzo(a)anthracene	U	740	1.0	330	740	130
91-94-1	3,3'-Dichlorobenzidine	U	740	1.0	330	740	300
218-01-9	Chrysene	U	740	1.0	330	740	150
117-81-7	bis(2-Ethylhexyl)phthalate	U	740	1.0	330	740	170
117-84-0	Di-n-octylphthalate	U	740	1.0	330	740	170
205-99-2	Benzo(b)fluoranthene	U	740	1.0	330	740	140
207-08-9	Benzo(k)fluoranthene	U	740	1.0	330	740	130
50-32-8	Benzo(a)pyrene	U	740	1.0	330	740	100
193-39-5	Indeno(1,2,3-cd)pyrene	U	740	1.0	330	740	300
53-70-3	Dibenzo(a,h)anthracene	U	740	1.0	330	740	320
191-24-2	Benzo(g,h,i)perylene	U	740	1.0	330	740	290
367-12-4	2-Fluorophenol		57%				
13127-88-3	Phenol-D6		62%				
4165-60-0	Nitrobenzene-D5		56%				
321-60-8	2-Fluorobiphenyl		59%				
118-79-6	2,4,6-Tribromophenol		43%				
1718-51-0	Terphenyl-D14		* 56%				

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-28-02

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Matrix: (soil/water) SOIL Lab Sample ID: WV5605-9

Sample wt/vol: 0.030(Kg/mL) KG Lab File ID: X9026

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: 56 decanted: (Y/N) N Date Extracted:10/27/05

Concentrated Extract Volume: 0.001(L) Date Analyzed: 10/30/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 6

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	4.23	300	J
2.		UNKNOWN	5.16	2000	J
3.		UNKNOWN	22.20	400	J
4.		UNKNOWN	24.58	2000	J
5.		UNKNOWN	26.71	2000	J
6.		UNKNOWN	32.92	400	J
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FORM I SV-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/27/05
Analysis Date: 30-OCT-2005 23:39
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 28.9

Lab ID: WV5605-7
Client ID: SD-28-SS
SDG: MID-6
Extracted by: KF
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG22096
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
123-91-1	1,4-Dioxane	U	1100	1.0	330	1100	570
62-75-9	N-Nitrosodimethylamine	U	1100	1.0	330	1100	570
110-86-1	Pyridine	U	1100	1.0	330	1100	570
62-53-3	Aniline	U	1100	1.0	330	1100	570
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	1100	1.0	330	1100	110
108-95-2	Phenol	U	1100	1.0	330	1100	320
111-44-4	Bis(2-Chloroethyl)ether	U	1100	1.0	330	1100	110
95-57-8	2-Chlorophenol	U	1100	1.0	330	1100	310
541-73-1	1,3-Dichlorobenzene	U	1100	1.0	330	1100	180
106-46-7	1,4-Dichlorobenzene	U	1100	1.0	330	1100	87
100-51-6	Benzyl alcohol	U	1100	1.0	330	1100	110
95-48-7	2-Methylphenol	U	1100	1.0	330	1100	470
95-50-1	1,2-Dichlorobenzene	U	1100	1.0	330	1100	150
621-64-7	N-Nitroso-di-n-propylamine	U	1100	1.0	330	1100	190
106-44-5	3&4-Methylphenol	U	1100	1.0	330	1100	520
67-72-1	Hexachloroethane	U	1100	1.0	330	1100	210
98-95-3	Nitrobenzene	U	1100	1.0	330	1100	260
78-59-1	Isophorone	U	1100	1.0	330	1100	180
88-75-5	2-Nitrophenol	U	1100	1.0	330	1100	370
105-67-9	2,4-Dimethylphenol	U	1100	1.0	330	1100	400
111-91-1	Bis(2-Chloroethoxy)methane	U	1100	1.0	330	1100	180
65-85-0	Benzoic acid	U	2800	1.0	820	2800	1400
120-83-2	2,4-Dichlorophenol	U	1100	1.0	330	1100	460
120-82-1	1,2,4-Trichlorobenzene	U	1100	1.0	330	1100	150
91-20-3	Naphthalene	J	290	1.0	330	1100	220
106-47-8	4-Chloroaniline	U	1100	1.0	330	1100	180
87-68-3	Hexachlorobutadiene	U	1100	1.0	330	1100	150
59-50-7	4-Chloro-3-Methylphenol	U	1100	1.0	330	1100	410
91-57-6	2-Methylnaphthalene	U	1100	1.0	330	1100	200
90-12-0	1-Methylnaphthalene	U	1100	1.0	330	1100	570
77-47-4	Hexachlorocyclopentadiene	U	1100	1.0	330	1100	260
88-06-2	2,4,6-Trichlorophenol	U	1100	1.0	330	1100	410
95-95-4	2,4,5-Trichlorophenol	U	2800	1.0	820	2800	620
91-58-7	2-Chloronaphthalene	U	1100	1.0	330	1100	170
88-74-4	2-Nitroaniline	U	2800	1.0	820	2800	260
131-11-3	Dimethyl Phthalate	U	1100	1.0	330	1100	220
606-20-2	2,6-Dinitrotoluene	U	1100	1.0	330	1100	270
208-96-8	Acenaphthylene	U	1100	1.0	330	1100	140
99-09-2	3-Nitroaniline	U	2800	1.0	820	2800	250
83-32-9	Acenaphthene	J	790	1.0	330	1100	210
51-28-5	2,4-Dinitrophenol	U	2800	1.0	820	2800	210
132-64-9	Dibenzofuran	J	340	1.0	330	1100	210
100-02-7	4-Nitrophenol	U	2800	1.0	820	2800	540

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/27/05
Analysis Date: 30-OCT-2005 23:39
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 28.9

Lab ID: WV5605-7
Client ID: SD-28-SS
SDG: MID-6
Extracted by: KF
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG22096
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
121-14-2	2,4-Dinitrotoluene	U	1100	1.0	330	1100	340
84-66-2	Diethylphthalate	U	1100	1.0	330	1100	360
86-73-7	Fluorene	J	680	1.0	330	1100	180
7005-72-3	4-Chlorophenyl-phenylether	U	1100	1.0	330	1100	170
100-01-6	4-Nitroaniline	U	2800	1.0	820	2800	300
534-52-1	4,6-Dinitro-2-Methylphenol	U	2800	1.0	820	2800	720
86-30-6	N-Nitrosodiphenylamine	U	1100	1.0	330	1100	250
103-33-3	Azobenzene	U	1100	1.0	330	1100	570
101-55-3	4-Bromophenyl-phenylether	U	1100	1.0	330	1100	190
118-74-1	Hexachlorobenzene	U	1100	1.0	330	1100	810
87-86-5	Pentachlorophenol	U	2800	1.0	820	2800	490
85-01-8	Phenanthrene		6800	1.0	330	1100	200
120-12-7	Anthracene		1700	1.0	330	1100	200
86-74-8	Carbazole	J	990	1.0	330	1100	210
84-74-2	Di-n-butylphthalate	U	1100	1.0	330	1100	290
206-44-0	Fluoranthene		9800	1.0	330	1100	240
92-87-5	Benzidine	U	2800	1.0	820	2800	1400
129-00-0	Pyrene		13000	1.0	330	1100	250
85-68-7	Butylbenzylphthalate	U	1100	1.0	330	1100	240
56-55-3	Benzo(a)anthracene		5200	1.0	330	1100	200
91-94-1	3,3'-Dichlorobenzidine	U	1100	1.0	330	1100	460
218-01-9	Chrysene		5400	1.0	330	1100	230
117-81-7	bis(2-Ethylhexyl)phthalate	J	510	1.0	330	1100	260
117-84-0	Di-n-octylphthalate	U	1100	1.0	330	1100	250
205-99-2	Benzo(b)fluoranthene		5800	1.0	330	1100	220
207-08-9	Benzo(k)fluoranthene		2700	1.0	330	1100	200
50-32-8	Benzo(a)pyrene		4400	1.0	330	1100	160
193-39-5	Indeno(1,2,3-cd)pyrene		3400	1.0	330	1100	460
53-70-3	Dibenzo(a,h)anthracene	J	600	1.0	330	1100	490
191-24-2	Benzo(g,h,i)perylene		3100	1.0	330	1100	450
367-12-4	2-Fluorophenol		61%				
13127-88-3	Phenol-D6		64%				
4165-60-0	Nitrobenzene-D5		56%				
321-60-8	2-Fluorobiphenyl		58%				
118-79-6	2,4,6-Tribromophenol		51%				
1718-51-0	Terphenyl-D14		76%				

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-28-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Matrix: (soil/water) SOIL Lab Sample ID: WV5605-7

Sample wt/vol: 0.030(Kg/mL) KG Lab File ID: X9030

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: 71 decanted: (Y/N) N Date Extracted:10/27/05

Concentrated Extract Volume: 0.001(L) Date Analyzed: 10/30/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 8

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	5.16	3000	J
2.		C15H12 ISOMER	20.35	600	J
3.		C15H10 ISOMER	20.52	2000	J
4.		C16H12 ISOMER	21.05	7000	J
5.		C17H12 ISOMER	23.31	1000	J
6.		C17H12 ISOMER	23.46	900	J
7.		C18H10 ISOMER	24.84	1000	J
8.		C20H12 ISOMER	28.28	1000	J
9.					
10.					
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FORM I SV-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/27/05
Analysis Date: 30-OCT-2005 21:26
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 36.4

Lab ID: WV5605-11
Client ID: SD-29-01
SDG: MID-6
Extracted by: KF
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG22096
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
123-91-1	1,4-Dioxane	U	900	1.0	330	900	450
62-75-9	N-Nitrosodimethylamine	U	900	1.0	330	900	450
110-86-1	Pyridine	U	900	1.0	330	900	450
62-53-3	Aniline	U	900	1.0	330	900	450
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	900	1.0	330	900	84
108-95-2	Phenol	U	900	1.0	330	900	250
111-44-4	Bis(2-Chloroethyl)ether	U	900	1.0	330	900	90
95-57-8	2-Chlorophenol	U	900	1.0	330	900	250
541-73-1	1,3-Dichlorobenzene	U	900	1.0	330	900	140
106-46-7	1,4-Dichlorobenzene	U	900	1.0	330	900	69
100-51-6	Benzyl alcohol	U	900	1.0	330	900	84
95-48-7	2-Methylphenol	U	900	1.0	330	900	370
95-50-1	1,2-Dichlorobenzene	U	900	1.0	330	900	120
621-64-7	N-Nitroso-di-n-propylamine	U	900	1.0	330	900	150
106-44-5	3&4-Methylphenol	U	900	1.0	330	900	410
67-72-1	Hexachloroethane	U	900	1.0	330	900	170
98-95-3	Nitrobenzene	U	900	1.0	330	900	200
78-59-1	Isophorone	U	900	1.0	330	900	140
88-75-5	2-Nitrophenol	U	900	1.0	330	900	290
105-67-9	2,4-Dimethylphenol	U	900	1.0	330	900	320
111-91-1	Bis(2-Chloroethoxy)methane	U	900	1.0	330	900	140
65-85-0	Benzoic acid	U	2200	1.0	820	2200	1100
120-83-2	2,4-Dichlorophenol	U	900	1.0	330	900	370
120-82-1	1,2,4-Trichlorobenzene	U	900	1.0	330	900	120
91-20-3	Naphthalene	J	180	1.0	330	900	170
106-47-8	4-Chloroaniline	U	900	1.0	330	900	150
87-68-3	Hexachlorobutadiene	U	900	1.0	330	900	120
59-50-7	4-Chloro-3-Methylphenol	U	900	1.0	330	900	320
91-57-6	2-Methylnaphthalene	U	900	1.0	330	900	160
90-12-0	1-Methylnaphthalene	U	900	1.0	330	900	450
77-47-4	Hexachlorocyclopentadiene	U	900	1.0	330	900	200
88-06-2	2,4,6-Trichlorophenol	U	900	1.0	330	900	320
95-95-4	2,4,5-Trichlorophenol	U	2200	1.0	820	2200	490
91-58-7	2-Chloronaphthalene	U	900	1.0	330	900	130
88-74-4	2-Nitroaniline	U	2200	1.0	820	2200	200
131-11-3	Dimethyl Phthalate	U	900	1.0	330	900	170
606-20-2	2,6-Dinitrotoluene	U	900	1.0	330	900	210
208-96-8	Acenaphthylene	U	900	1.0	330	900	110
99-09-2	3-Nitroaniline	U	2200	1.0	820	2200	200
83-32-9	Acenaphthene	U	900	1.0	330	900	160
51-28-5	2,4-Dinitrophenol	U	2200	1.0	820	2200	170
132-64-9	Dibenzofuran	U	900	1.0	330	900	170
100-02-7	4-Nitrophenol	U	2200	1.0	820	2200	420

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/27/05
Analysis Date: 30-OCT-2005 21:26
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 36.4

Lab ID: WV5605-11
Client ID: SD-29-01
SDG: MID-6
Extracted by: KF
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG22096
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
121-14-2	2,4-Dinitrotoluene	U	900	1.0	330	900	270
84-66-2	Diethylphthalate	U	900	1.0	330	900	280
86-73-7	Fluorene	U	900	1.0	330	900	140
7005-72-3	4-Chlorophenyl-phenylether	U	900	1.0	330	900	140
100-01-6	4-Nitroaniline	U	2200	1.0	820	2200	240
534-52-1	4,6-Dinitro-2-Methylphenol	U	2200	1.0	820	2200	570
86-30-6	N-Nitrosodiphenylamine	U	900	1.0	330	900	200
103-33-3	Azobenzene	U	900	1.0	330	900	450
101-55-3	4-Bromophenyl-phenylether	U	900	1.0	330	900	150
118-74-1	Hexachlorobenzene	U	900	1.0	330	900	640
87-86-5	Pentachlorophenol	U	2200	1.0	820	2200	390
85-01-8	Phenanthrene	J	550	1.0	330	900	160
120-12-7	Anthracene	U	900	1.0	330	900	160
86-74-8	Carbazole	U	900	1.0	330	900	160
84-74-2	Di-n-butylphthalate	U	900	1.0	330	900	230
206-44-0	Fluoranthene		1200	1.0	330	900	190
92-87-5	Benzidine	U	2200	1.0	820	2200	1100
129-00-0	Pyrene		1400	1.0	330	900	200
85-68-7	Butylbenzylphthalate	U	900	1.0	330	900	190
56-55-3	Benzo(a)anthracene	J	610	1.0	330	900	160
91-94-1	3,3'-Dichlorobenzidine	U	900	1.0	330	900	360
218-01-9	Chrysene	J	660	1.0	330	900	180
117-81-7	bis(2-Ethylhexyl)phthalate	J	340	1.0	330	900	200
117-84-0	Di-n-octylphthalate	U	900	1.0	330	900	200
205-99-2	Benzo(b)fluoranthene		920	1.0	330	900	180
207-08-9	Benzo(k)fluoranthene	J	490	1.0	330	900	160
50-32-8	Benzo(a)pyrene	J	650	1.0	330	900	120
193-39-5	Indeno(1,2,3-cd)pyrene	J	490	1.0	330	900	360
53-70-3	Dibenzo(a,h)anthracene	U	900	1.0	330	900	390
191-24-2	Benzo(g,h,i)perylene	J	410	1.0	330	900	350
367-12-4	2-Fluorophenol		73%				
13127-88-3	Phenol-D6		78%				
4165-60-0	Nitrobenzene-D5		74%				
321-60-8	2-Fluorobiphenyl		74%				
118-79-6	2,4,6-Tribromophenol		56%				
1718-51-0	Terphenyl-D14		78%				

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-29-01

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Matrix: (soil/water) SOIL Lab Sample ID: WV5605-11

Sample wt/vol: 0.030(Kg/mL) KG Lab File ID: X9027

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: 64 decanted: (Y/N) N Date Extracted:10/27/05

Concentrated Extract Volume: 0.001(L) Date Analyzed: 10/30/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 5

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	4.23	400	J
2.		UNKNOWN	5.15	3000	J
3.	108-94-1	CYCLOHEXANONE	6.28	700	NJ
4.	17233-71-5	HEXATHIEPANE	18.59	500	NJ
5.		C20H12 ISOMER	28.28	400	J
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FORM I SV-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/27/05
Analysis Date: 30-OCT-2005 19:57
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 57.8

Lab ID: WV5605-12
Client ID: SD-29-02
SDG: MID-6
Extracted by: KF
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG22096
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
123-91-1	1,4-Dioxane	U	570	1.0	330	570	280
62-75-9	N-Nitrosodimethylamine	U	570	1.0	330	570	280
110-86-1	Pyridine	U	570	1.0	330	570	280
62-53-3	Aniline	U	570	1.0	330	570	280
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	570	1.0	330	570	53
108-95-2	Phenol	U	570	1.0	330	570	160
111-44-4	Bis(2-Chloroethyl)ether	U	570	1.0	330	570	57
95-57-8	2-Chlorophenol	U	570	1.0	330	570	160
541-73-1	1,3-Dichlorobenzene	U	570	1.0	330	570	91
106-46-7	1,4-Dichlorobenzene	U	570	1.0	330	570	44
100-51-6	Benzyl alcohol	U	570	1.0	330	570	53
95-48-7	2-Methylphenol	U	570	1.0	330	570	240
95-50-1	1,2-Dichlorobenzene	U	570	1.0	330	570	74
621-64-7	N-Nitroso-di-n-propylamine	U	570	1.0	330	570	98
106-44-5	3&4-Methylphenol	U	570	1.0	330	570	260
67-72-1	Hexachloroethane	U	570	1.0	330	570	100
98-95-3	Nitrobenzene	U	570	1.0	330	570	130
78-59-1	Isophorone	U	570	1.0	330	570	90
88-75-5	2-Nitrophenol	U	570	1.0	330	570	180
105-67-9	2,4-Dimethylphenol	U	570	1.0	330	570	200
111-91-1	Bis(2-Chloroethoxy)methane	U	570	1.0	330	570	90
65-85-0	Benzoic acid	U	1400	1.0	820	1400	710
120-83-2	2,4-Dichlorophenol	U	570	1.0	330	570	230
120-82-1	1,2,4-Trichlorobenzene	U	570	1.0	330	570	76
91-20-3	Naphthalene	U	570	1.0	330	570	110
106-47-8	4-Chloroaniline	U	570	1.0	330	570	92
87-68-3	Hexachlorobutadiene	U	570	1.0	330	570	76
59-50-7	4-Chloro-3-Methylphenol	U	570	1.0	330	570	200
91-57-6	2-Methylnaphthalene	U	570	1.0	330	570	98
90-12-0	1-Methylnaphthalene	U	570	1.0	330	570	280
77-47-4	Hexachlorocyclopentadiene	U	570	1.0	330	570	130
88-06-2	2,4,6-Trichlorophenol	U	570	1.0	330	570	200
95-95-4	2,4,5-Trichlorophenol	U	1400	1.0	820	1400	310
91-58-7	2-Chloronaphthalene	U	570	1.0	330	570	84
88-74-4	2-Nitroaniline	U	1400	1.0	820	1400	130
131-11-3	Dimethyl Phthalate	U	570	1.0	330	570	110
606-20-2	2,6-Dinitrotoluene	U	570	1.0	330	570	130
208-96-8	Acenaphthylene	U	570	1.0	330	570	70
99-09-2	3-Nitroaniline	U	1400	1.0	820	1400	120
83-32-9	Acenaphthene	U	570	1.0	330	570	100
51-28-5	2,4-Dinitrophenol	U	1400	1.0	820	1400	110
132-64-9	Dibenzofuran	U	570	1.0	330	570	110
100-02-7	4-Nitrophenol	U	1400	1.0	820	1400	270

Sample Data Summary A0000208

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/27/05
Analysis Date: 30-OCT-2005 19:57
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 57.8

Lab ID: WV5605-12
Client ID: SD-29-02
SDG: MID-6
Extracted by: KF
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG22096
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
121-14-2	2,4-Dinitrotoluene	U	570	1.0	330	570	170
84-66-2	Diethylphthalate	U	570	1.0	330	570	180
86-73-7	Fluorene	U	570	1.0	330	570	91
7005-72-3	4-Chlorophenyl-phenylether	U	570	1.0	330	570	87
100-01-6	4-Nitroaniline	U	1400	1.0	820	1400	150
534-52-1	4,6-Dinitro-2-Methylphenol	U	1400	1.0	820	1400	360
86-30-6	N-Nitrosodiphenylamine	U	570	1.0	330	570	120
103-33-3	Azobenzene	U	570	1.0	330	570	280
101-55-3	4-Bromophenyl-phenylether	U	570	1.0	330	570	96
118-74-1	Hexachlorobenzene	U	570	1.0	330	570	400
87-86-5	Pentachlorophenol	U	1400	1.0	820	1400	240
85-01-8	Phenanthrene	U	570	1.0	330	570	100
120-12-7	Anthracene	U	570	1.0	330	570	100
86-74-8	Carbazole	U	570	1.0	330	570	100
84-74-2	Di-n-butylphthalate	U	570	1.0	330	570	140
206-44-0	Fluoranthene	J	140	1.0	330	570	120
92-87-5	Benzidine	U	1400	1.0	820	1400	710
129-00-0	Pyrene	U	570	1.0	330	570	120
85-68-7	Butylbenzylphthalate	U	570	1.0	330	570	120
56-55-3	Benzo(a)anthracene	U	570	1.0	330	570	100
91-94-1	3,3'-Dichlorobenzidine	U	570	1.0	330	570	230
218-01-9	Chrysene	U	570	1.0	330	570	110
117-81-7	bis(2-Ethylhexyl)phthalate	U	570	1.0	330	570	130
117-84-0	Di-n-octylphthalate	U	570	1.0	330	570	130
205-99-2	Benzo(b)fluoranthene	U	570	1.0	330	570	110
207-08-9	Benzo(k)fluoranthene	U	570	1.0	330	570	100
50-32-8	Benzo(a)pyrene	U	570	1.0	330	570	78
193-39-5	Indeno(1,2,3-cd)pyrene	U	570	1.0	330	570	230
53-70-3	Dibenzo(a,h)anthracene	U	570	1.0	330	570	240
191-24-2	Benzo(g,h,i)perylene	U	570	1.0	330	570	220
367-12-4	2-Fluorophenol		43%				
13127-88-3	Phenol-D6		51%				
4165-60-0	Nitrobenzene-D5		40%				
321-60-8	2-Fluorobiphenyl		52%				
118-79-6	2,4,6-Tribromophenol		41%				
1718-51-0	Terphenyl-D14		* 47%				

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-29-02

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Matrix: (soil/water) SOIL Lab Sample ID: WV5605-12

Sample wt/vol: 0.030(Kg/mL) KG Lab File ID: X9025

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: 42 decanted: (Y/N) N Date Extracted:10/27/05

Concentrated Extract Volume: 0.001(L) Date Analyzed: 10/30/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	5.17	1000	J
2.		UNKNOWN	32.92	800	J
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FORM I SV-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/27/05
Analysis Date: 30-OCT-2005 22:10
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 33.5

Lab ID: WV5605-10
Client ID: SD-29-SS
SDG: MID-6
Extracted by: KF
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG22096
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
123-91-1	1,4-Dioxane	U	980	1.0	330	980	490
62-75-9	N-Nitrosodimethylamine	U	980	1.0	330	980	490
110-86-1	Pyridine	U	980	1.0	330	980	490
62-53-3	Aniline	U	980	1.0	330	980	490
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	980	1.0	330	980	91
108-95-2	Phenol	U	980	1.0	330	980	270
111-44-4	Bis(2-Chloroethyl)ether	U	980	1.0	330	980	98
95-57-8	2-Chlorophenol	U	980	1.0	330	980	270
541-73-1	1,3-Dichlorobenzene	U	980	1.0	330	980	160
106-46-7	1,4-Dichlorobenzene	J	76	1.0	330	980	75
100-51-6	Benzyl alcohol	U	980	1.0	330	980	91
95-48-7	2-Methylphenol	U	980	1.0	330	980	400
95-50-1	1,2-Dichlorobenzene	U	980	1.0	330	980	130
621-64-7	N-Nitroso-di-n-propylamine	U	980	1.0	330	980	170
106-44-5	3&4-Methylphenol	U	980	1.0	330	980	450
67-72-1	Hexachloroethane	U	980	1.0	330	980	180
98-95-3	Nitrobenzene	U	980	1.0	330	980	220
78-59-1	Isophorone	U	980	1.0	330	980	160
88-75-5	2-Nitrophenol	U	980	1.0	330	980	320
105-67-9	2,4-Dimethylphenol	U	980	1.0	330	980	350
111-91-1	Bis(2-Chloroethoxy)methane	U	980	1.0	330	980	160
65-85-0	Benzoic acid	U	2400	1.0	820	2400	1200
120-83-2	2,4-Dichlorophenol	U	980	1.0	330	980	400
120-82-1	1,2,4-Trichlorobenzene	U	980	1.0	330	980	130
91-20-3	Naphthalene	U	980	1.0	330	980	190
106-47-8	4-Chloroaniline	U	980	1.0	330	980	160
87-68-3	Hexachlorobutadiene	U	980	1.0	330	980	130
59-50-7	4-Chloro-3-Methylphenol	U	980	1.0	330	980	350
91-57-6	2-Methylnaphthalene	U	980	1.0	330	980	170
90-12-0	1-Methylnaphthalene	U	980	1.0	330	980	490
77-47-4	Hexachlorocyclopentadiene	U	980	1.0	330	980	220
88-06-2	2,4,6-Trichlorophenol	U	980	1.0	330	980	350
95-95-4	2,4,5-Trichlorophenol	U	2400	1.0	820	2400	540
91-58-7	2-Chloronaphthalene	U	980	1.0	330	980	140
88-74-4	2-Nitroaniline	U	2400	1.0	820	2400	220
131-11-3	Dimethyl Phthalate	U	980	1.0	330	980	180
606-20-2	2,6-Dinitrotoluene	U	980	1.0	330	980	230
208-96-8	Acenaphthylene	U	980	1.0	330	980	120
99-09-2	3-Nitroaniline	U	2400	1.0	820	2400	210
83-32-9	Acenaphthene	U	980	1.0	330	980	180
51-28-5	2,4-Dinitrophenol	U	2400	1.0	820	2400	180
132-64-9	Dibenzofuran	U	980	1.0	330	980	180
100-02-7	4-Nitrophenol	U	2400	1.0	820	2400	460

Sample Data Summary A0000202

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/27/05
Analysis Date: 30-OCT-2005 22:10
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 33.5

Lab ID: WV5605-10
Client ID: SD-29-SS
SDG: MID-6
Extracted by: KF
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG22096
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
121-14-2	2,4-Dinitrotoluene	U	980	1.0	330	980	290
84-66-2	Diethylphthalate	U	980	1.0	330	980	310
86-73-7	Fluorene	U	980	1.0	330	980	160
7005-72-3	4-Chlorophenyl-phenylether	U	980	1.0	330	980	150
100-01-6	4-Nitroaniline	U	2400	1.0	820	2400	260
534-52-1	4,6-Dinitro-2-Methylphenol	U	2400	1.0	820	2400	620
86-30-6	N-Nitrosodiphenylamine	U	980	1.0	330	980	210
103-33-3	Azobenzene	U	980	1.0	330	980	490
101-55-3	4-Bromophenyl-phenylether	U	980	1.0	330	980	160
118-74-1	Hexachlorobenzene	U	980	1.0	330	980	690
87-86-5	Pentachlorophenol	U	2400	1.0	820	2400	420
85-01-8	Phenanthrene	J	360	1.0	330	980	170
120-12-7	Anthracene	U	980	1.0	330	980	170
86-74-8	Carbazole	U	980	1.0	330	980	180
84-74-2	Di-n-butylphthalate	U	980	1.0	330	980	250
206-44-0	Fluoranthene	J	840	1.0	330	980	210
92-87-5	Benzidine	U	2400	1.0	820	2400	1200
129-00-0	Pyrene		1200	1.0	330	980	210
85-68-7	Butylbenzylphthalate	U	980	1.0	330	980	200
56-55-3	Benzo(a)anthracene	J	420	1.0	330	980	180
91-94-1	3,3'-Dichlorobenzidine	U	980	1.0	330	980	400
218-01-9	Chrysene	J	560	1.0	330	980	200
117-81-7	bis(2-Ethylhexyl)phthalate	J	390	1.0	330	980	220
117-84-0	Di-n-octylphthalate	U	980	1.0	330	980	220
205-99-2	Benzo(b)fluoranthene	J	660	1.0	330	980	190
207-08-9	Benzo(k)fluoranthene	J	310	1.0	330	980	170
50-32-8	Benzo(a)pyrene	J	470	1.0	330	980	140
193-39-5	Indeno(1,2,3-cd)pyrene	U	980	1.0	330	980	400
53-70-3	Dibenzo(a,h)anthracene	U	980	1.0	330	980	420
191-24-2	Benzo(g,h,i)perylene	U	980	1.0	330	980	380
367-12-4	2-Fluorophenol		57%				
13127-88-3	Phenol-D6		65%				
4165-60-0	Nitrobenzene-D5		54%				
321-60-8	2-Fluorobiphenyl		60%				
118-79-6	2,4,6-Tribromophenol		41%				
1718-51-0	Terphenyl-D14		* 65%				

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-29-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Matrix: (soil/water) SOIL Lab Sample ID: WV5605-10

Sample wt/vol: 0.030(Kg/mL) KG Lab File ID: X9028

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: 66 decanted: (Y/N) N Date Extracted:10/27/05

Concentrated Extract Volume: 0.001(L) Date Analyzed: 10/30/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 7

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	5.16	2000	J
2.		UNKNOWN ALKANE	18.08	600	J
3.		C15H10 ISOMER	20.52	600	J
4.	52663-58-8	1,1'-BIPHENYL, 2,3,4',6-TET	20.77	400	NJ
5.	35065-27-1	1,1'-BIPHENYL, 2,2',4,4',5,	23.44	500	NJ
6.		UNKNOWN	24.64	8000	J
7.		UNKNOWN	31.30	8000	J
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FORM I SV-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/26/05
Analysis Date: 29-OCT-2005 21:21
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 24.8

Lab ID: WV5605-13
Client ID: SD-30-SS
SDG: MID-6
Extracted by: GN
Extraction Method: SW846 3550
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG21977
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
123-91-1	1,4-Dioxane	U	1300	1.0	330	1300	660
62-75-9	N-Nitrosodimethylamine	U	1300	1.0	330	1300	660
110-86-1	Pyridine	U	1300	1.0	330	1300	660
62-53-3	Aniline	U	1300	1.0	330	1300	660
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	1300	1.0	330	1300	120
108-95-2	Phenol	U	1300	1.0	330	1300	370
111-44-4	Bis(2-Chloroethyl)ether	U	1300	1.0	330	1300	130
95-57-8	2-Chlorophenol	U	1300	1.0	330	1300	360
541-73-1	1,3-Dichlorobenzene	U	1300	1.0	330	1300	210
106-46-7	1,4-Dichlorobenzene	BJ	120	1.0	330	1300	100
100-51-6	Benzyl alcohol	U	1300	1.0	330	1300	120
95-48-7	2-Methylphenol	U	1300	1.0	330	1300	550
95-50-1	1,2-Dichlorobenzene	U	1300	1.0	330	1300	170
621-64-7	N-Nitroso-di-n-propylamine	U	1300	1.0	330	1300	230
106-44-5	3&4-Methylphenol	U	1300	1.0	330	1300	600
67-72-1	Hexachloroethane	U	1300	1.0	330	1300	240
98-95-3	Nitrobenzene	U	1300	1.0	330	1300	300
78-59-1	Isophorone	U	1300	1.0	330	1300	210
88-75-5	2-Nitrophenol	U	1300	1.0	330	1300	430
105-67-9	2,4-Dimethylphenol	U	1300	1.0	330	1300	470
111-91-1	Bis(2-Chloroethoxy)methane	U	1300	1.0	330	1300	210
65-85-0	Benzoic acid	U	3300	1.0	820	3300	1600
120-83-2	2,4-Dichlorophenol	U	1300	1.0	330	1300	540
120-82-1	1,2,4-Trichlorobenzene	U	1300	1.0	330	1300	180
91-20-3	Naphthalene	U	1300	1.0	330	1300	260
106-47-8	4-Chloroaniline	U	1300	1.0	330	1300	220
87-68-3	Hexachlorobutadiene	U	1300	1.0	330	1300	180
59-50-7	4-Chloro-3-Methylphenol	U	1300	1.0	330	1300	480
91-57-6	2-Methylnaphthalene	U	1300	1.0	330	1300	230
90-12-0	1-Methylnaphthalene	U	1300	1.0	330	1300	660
77-47-4	Hexachlorocyclopentadiene	U	1300	1.0	330	1300	300
88-06-2	2,4,6-Trichlorophenol	U	1300	1.0	330	1300	470
95-95-4	2,4,5-Trichlorophenol	U	3300	1.0	820	3300	720
91-58-7	2-Chloronaphthalene	U	1300	1.0	330	1300	190
88-74-4	2-Nitroaniline	U	3300	1.0	820	3300	300
131-11-3	Dimethyl Phthalate	U	1300	1.0	330	1300	250
606-20-2	2,6-Dinitrotoluene	U	1300	1.0	330	1300	310
208-96-8	Acenaphthylene	U	1300	1.0	330	1300	160
99-09-2	3-Nitroaniline	U	3300	1.0	820	3300	290
83-32-9	Acenaphthene	BJ	260	1.0	330	1300	240
51-28-5	2,4-Dinitrophenol	U	3300	1.0	820	3300	250
132-64-9	Dibenzofuran	U	1300	1.0	330	1300	250
100-02-7	4-Nitrophenol	U	3300	1.0	820	3300	620

Sample Data Summary A0000211

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/26/05
Analysis Date: 29-OCT-2005 21:21
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 24.8

Lab ID: WV5605-13
Client ID: SD-30-SS
SDG: MID-6
Extracted by: GN
Extraction Method: SW846 3550
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG21977
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
121-14-2	2,4-Dinitrotoluene	U	1300	1.0	330	1300	390
84-66-2	Diethylphthalate	U	1300	1.0	330	1300	420
86-73-7	Fluorene	U	1300	1.0	330	1300	210
7005-72-3	4-Chlorophenyl-phenylether	U	1300	1.0	330	1300	200
100-01-6	4-Nitroaniline	U	3300	1.0	820	3300	350
534-52-1	4,6-Dinitro-2-Methylphenol	U	3300	1.0	820	3300	830
86-30-6	N-Nitrosodiphenylamine	U	1300	1.0	330	1300	290
103-33-3	Azobenzene	U	1300	1.0	330	1300	660
101-55-3	4-Bromophenyl-phenylether	U	1300	1.0	330	1300	220
118-74-1	Hexachlorobenzene	U	1300	1.0	330	1300	940
87-86-5	Pentachlorophenol	U	3300	1.0	820	3300	570
85-01-8	Phenanthrene	U	1300	1.0	330	1300	230
120-12-7	Anthracene	U	1300	1.0	330	1300	230
86-74-8	Carbazole	U	1300	1.0	330	1300	240
84-74-2	Di-n-butylphthalate	U	1300	1.0	330	1300	340
206-44-0	Fluoranthene	J	540	1.0	330	1300	290
92-87-5	Benzidine	U	3300	1.0	820	3300	1600
129-00-0	Pyrene	J	1000	1.0	330	1300	290
85-68-7	Butylbenzylphthalate	U	1300	1.0	330	1300	270
56-55-3	Benzo(a)anthracene	J	300	1.0	330	1300	240
91-94-1	3,3'-Dichlorobenzidine	U	1300	1.0	330	1300	540
218-01-9	Chrysene	J	540	1.0	330	1300	260
117-81-7	bis(2-Ethylhexyl)phthalate	J	340	1.0	330	1300	300
117-84-0	Di-n-octylphthalate	U	1300	1.0	330	1300	300
205-99-2	Benzo(b)fluoranthene	J	700	1.0	330	1300	260
207-08-9	Benzo(k)fluoranthene	U	1300	1.0	330	1300	240
50-32-8	Benzo(a)pyrene	J	380	1.0	330	1300	180
193-39-5	Indeno(1,2,3-cd)pyrene	U	1300	1.0	330	1300	540
53-70-3	Dibenzo(a,h)anthracene	U	1300	1.0	330	1300	570
191-24-2	Benzo(g,h,i)perylene	U	1300	1.0	330	1300	520
367-12-4	2-Fluorophenol		44%				
13127-88-3	Phenol-D6		66%				
4165-60-0	Nitrobenzene-D5		35%				
321-60-8	2-Fluorobiphenyl		49%				
118-79-6	2,4,6-Tribromophenol		50%				
1718-51-0	Terphenyl-D14		86%				

Sample Data Summary A0000212

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-30-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Matrix: (soil/water) SOIL Lab Sample ID: WV5605-13

Sample wt/vol: 0.030(Kg/mL) KG Lab File ID: K0465

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: 75 decanted: (Y/N) N Date Extracted:10/26/05

Concentrated Extract Volume: 0.001(L) Date Analyzed: 10/29/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 10

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	141-79-7	3-PENTEN-2-ONE, 4-METHYL-	4.75	700	NJB
2.		UNKNOWN	5.25	4000	JB
3.		UNKNOWN	5.81	100000	JB
4.		UNKNOWN	7.11	2000	JB
5.		UNKNOWN	11.81	1000	JB
6.		UNKNOWN ALKANE	18.36	2000	J
7.	10544-50-0	SULFUR, MOL. (S8)	20.45	2000	NJ
8.		UNKNOWN ALKANE	27.45	2000	J
9.		UNKNOWN	30.68	3000	J
10.		UNKNOWN	31.84	800	J
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FORM I SV-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/26/05
Analysis Date: 29-OCT-2005 14:03
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 44.6

Lab ID: WV5605-15
Client ID: SD-31-01
SDG: MID-6
Extracted by: GN
Extraction Method: SW846 3550
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG21977
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
123-91-1	1,4-Dioxane	U	740	1.0	330	740	370
62-75-9	N-Nitrosodimethylamine	U	740	1.0	330	740	370
110-86-1	Pyridine	U	740	1.0	330	740	370
62-53-3	Aniline	U	740	1.0	330	740	370
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	740	1.0	330	740	69
108-95-2	Phenol	U	740	1.0	330	740	200
111-44-4	Bis(2-Chloroethyl)ether	U	740	1.0	330	740	74
95-57-8	2-Chlorophenol	U	740	1.0	330	740	200
541-73-1	1,3-Dichlorobenzene	U	740	1.0	330	740	120
106-46-7	1,4-Dichlorobenzene	U	740	1.0	330	740	56
100-51-6	Benzyl alcohol	U	740	1.0	330	740	69
95-48-7	2-Methylphenol	U	740	1.0	330	740	300
95-50-1	1,2-Dichlorobenzene	U	740	1.0	330	740	96
621-64-7	N-Nitroso-di-n-propylamine	U	740	1.0	330	740	130
106-44-5	3&4-Methylphenol	U	740	1.0	330	740	340
67-72-1	Hexachloroethane	U	740	1.0	330	740	140
98-95-3	Nitrobenzene	U	740	1.0	330	740	170
78-59-1	Isophorone	U	740	1.0	330	740	120
88-75-5	2-Nitrophenol	U	740	1.0	330	740	240
105-67-9	2,4-Dimethylphenol	U	740	1.0	330	740	260
111-91-1	Bis(2-Chloroethoxy)methane	U	740	1.0	330	740	120
65-85-0	Benzoic acid	U	1800	1.0	820	1800	920
120-83-2	2,4-Dichlorophenol	U	740	1.0	330	740	300
120-82-1	1,2,4-Trichlorobenzene	U	740	1.0	330	740	98
91-20-3	Naphthalene	U	740	1.0	330	740	140
106-47-8	4-Chloroaniline	U	740	1.0	330	740	120
87-68-3	Hexachlorobutadiene	U	740	1.0	330	740	98
59-50-7	4-Chloro-3-Methylphenol	U	740	1.0	330	740	260
91-57-6	2-Methylnaphthalene	U	740	1.0	330	740	130
90-12-0	1-Methylnaphthalene	U	740	1.0	330	740	370
77-47-4	Hexachlorocyclopentadiene	U	740	1.0	330	740	170
88-06-2	2,4,6-Trichlorophenol	U	740	1.0	330	740	260
95-95-4	2,4,5-Trichlorophenol	U	1800	1.0	820	1800	400
91-58-7	2-Chloronaphthalene	U	740	1.0	330	740	110
88-74-4	2-Nitroaniline	U	1800	1.0	820	1800	170
131-11-3	Dimethyl Phthalate	U	740	1.0	330	740	140
606-20-2	2,6-Dinitrotoluene	U	740	1.0	330	740	170
208-96-8	Acenaphthylene	U	740	1.0	330	740	90
99-09-2	3-Nitroaniline	U	1800	1.0	820	1800	160
83-32-9	Acenaphthene	U	740	1.0	330	740	130
51-28-5	2,4-Dinitrophenol	U	1800	1.0	820	1800	140
132-64-9	Dibenzofuran	U	740	1.0	330	740	140
100-02-7	4-Nitrophenol	U	1800	1.0	820	1800	350

Sample Data Summary A0000217

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/26/05
Analysis Date: 29-OCT-2005 14:03
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 44.6

Lab ID: WV5605-15
Client ID: SD-31-01
SDG: MID-6
Extracted by: GN
Extraction Method: SW846 3550
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG21977
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
121-14-2	2,4-Dinitrotoluene	U	740	1.0	330	740	220
84-66-2	Diethylphthalate	U	740	1.0	330	740	230
86-73-7	Fluorene	U	740	1.0	330	740	120
7005-72-3	4-Chlorophenyl-phenylether	U	740	1.0	330	740	110
100-01-6	4-Nitroaniline	U	1800	1.0	820	1800	190
534-52-1	4,6-Dinitro-2-Methylphenol	U	1800	1.0	820	1800	460
86-30-6	N-Nitrosodiphenylamine	U	740	1.0	330	740	160
103-33-3	Azobenzene	U	740	1.0	330	740	370
101-55-3	4-Bromophenyl-phenylether	U	740	1.0	330	740	120
118-74-1	Hexachlorobenzene	U	740	1.0	330	740	520
87-86-5	Pentachlorophenol	U	1800	1.0	820	1800	320
85-01-8	Phenanthrene	U	740	1.0	330	740	130
120-12-7	Anthracene	U	740	1.0	330	740	130
86-74-8	Carbazole	U	740	1.0	330	740	130
84-74-2	Di-n-butylphthalate	U	740	1.0	330	740	190
206-44-0	Fluoranthene	U	740	1.0	330	740	160
92-87-5	Benzidine	U	1800	1.0	820	1800	920
129-00-0	Pyrene	U	740	1.0	330	740	160
85-68-7	Butylbenzylphthalate	U	740	1.0	330	740	150
56-55-3	Benzo(a)anthracene	U	740	1.0	330	740	130
91-94-1	3,3'-Dichlorobenzidine	U	740	1.0	330	740	300
218-01-9	Chrysene	U	740	1.0	330	740	150
117-81-7	bis(2-Ethylhexyl)phthalate	U	740	1.0	330	740	170
117-84-0	Di-n-octylphthalate	U	740	1.0	330	740	160
205-99-2	Benzo(b)fluoranthene	U	740	1.0	330	740	140
207-08-9	Benzo(k)fluoranthene	U	740	1.0	330	740	130
50-32-8	Benzo(a)pyrene	U	740	1.0	330	740	100
193-39-5	Indeno(1,2,3-cd)pyrene	U	740	1.0	330	740	300
53-70-3	Dibenzo(a,h)anthracene	U	740	1.0	330	740	320
191-24-2	Benzo(g,h,i)perylene	U	740	1.0	330	740	290
367-12-4	2-Fluorophenol		45%				
13127-88-3	Phenol-D6		65%				
4165-60-0	Nitrobenzene-D5		38%				
321-60-8	2-Fluorobiphenyl		49%				
118-79-6	2,4,6-Tribromophenol		58%				
1718-51-0	Terphenyl-D14		* 57%				

Sample Data Summary A0000218

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-31-01

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Matrix: (soil/water) SOIL Lab Sample ID: WV5605-15

Sample wt/vol: 0.030(Kg/mL) KG Lab File ID: K0456

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: 55 decanted: (Y/N) N Date Extracted:10/26/05

Concentrated Extract Volume: 0.001(L) Date Analyzed: 10/29/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 9

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	2.83	500	J
2.	141-79-7	3-PENTEN-2-ONE, 4-METHYL-	4.74	500	NJB
3.		UNKNOWN	5.24	2000	JB
4.		UNKNOWN	5.79	80000	JB
5.		UNKNOWN	7.10	900	JB
6.		UNKNOWN	11.81	500	JB
7.	10544-50-0	SULFUR, MOL. (S8)	22.31	700	NJ
8.		UNKNOWN	29.16	300	J
9.		UNKNOWN ALKANE	30.23	400	J
10.					
11.					
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FORM I SV-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/26/05
Analysis Date: 29-OCT-2005 14:52
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 32.4

Lab ID: WV5605-16
Client ID: SD-31-02
SDG: MID-6
Extracted by: GN
Extraction Method: SW846 3550
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG21977
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
123-91-1	1,4-Dioxane	U	1000	1.0	330	1000	510
62-75-9	N-Nitrosodimethylamine	U	1000	1.0	330	1000	510
110-86-1	Pyridine	U	1000	1.0	330	1000	510
62-53-3	Aniline	U	1000	1.0	330	1000	510
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	1000	1.0	330	1000	95
108-95-2	Phenol	U	1000	1.0	330	1000	280
111-44-4	Bis(2-Chloroethyl)ether	U	1000	1.0	330	1000	100
95-57-8	2-Chlorophenol	U	1000	1.0	330	1000	280
541-73-1	1,3-Dichlorobenzene	U	1000	1.0	330	1000	160
106-46-7	1,4-Dichlorobenzene	U	1000	1.0	330	1000	78
100-51-6	Benzyl alcohol	U	1000	1.0	330	1000	95
95-48-7	2-Methylphenol	U	1000	1.0	330	1000	420
95-50-1	1,2-Dichlorobenzene	U	1000	1.0	330	1000	130
621-64-7	N-Nitroso-di-n-propylamine	U	1000	1.0	330	1000	170
106-44-5	3&4-Methylphenol	U	1000	1.0	330	1000	460
67-72-1	Hexachloroethane	U	1000	1.0	330	1000	190
98-95-3	Nitrobenzene	U	1000	1.0	330	1000	230
78-59-1	Isophorone	U	1000	1.0	330	1000	160
88-75-5	2-Nitrophenol	U	1000	1.0	330	1000	330
105-67-9	2,4-Dimethylphenol	U	1000	1.0	330	1000	360
111-91-1	Bis(2-Chloroethoxy)methane	U	1000	1.0	330	1000	160
65-85-0	Benzoic acid	U	2500	1.0	820	2500	1300
120-83-2	2,4-Dichlorophenol	U	1000	1.0	330	1000	410
120-82-1	1,2,4-Trichlorobenzene	U	1000	1.0	330	1000	130
91-20-3	Naphthalene	U	1000	1.0	330	1000	200
106-47-8	4-Chloroaniline	U	1000	1.0	330	1000	160
87-68-3	Hexachlorobutadiene	U	1000	1.0	330	1000	130
59-50-7	4-Chloro-3-Methylphenol	U	1000	1.0	330	1000	360
91-57-6	2-Methylnaphthalene	U	1000	1.0	330	1000	180
90-12-0	1-Methylnaphthalene	U	1000	1.0	330	1000	510
77-47-4	Hexachlorocyclopentadiene	U	1000	1.0	330	1000	230
88-06-2	2,4,6-Trichlorophenol	U	1000	1.0	330	1000	360
95-95-4	2,4,5-Trichlorophenol	U	2500	1.0	820	2500	550
91-58-7	2-Chloronaphthalene	U	1000	1.0	330	1000	150
88-74-4	2-Nitroaniline	U	2500	1.0	820	2500	230
131-11-3	Dimethyl Phthalate	U	1000	1.0	330	1000	190
606-20-2	2,6-Dinitrotoluene	U	1000	1.0	330	1000	240
208-96-8	Acenaphthylene	U	1000	1.0	330	1000	120
99-09-2	3-Nitroaniline	U	2500	1.0	820	2500	220
83-32-9	Acenaphthene	U	1000	1.0	330	1000	180
51-28-5	2,4-Dinitrophenol	U	2500	1.0	820	2500	190
132-64-9	Dibenzofuran	U	1000	1.0	330	1000	190
100-02-7	4-Nitrophenol	U	2500	1.0	820	2500	480

Sample Data Summary A0000220

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/26/05
Analysis Date: 29-OCT-2005 14:52
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 32.4

Lab ID: WV5605-16
Client ID: SD-31-02
SDG: MID-6
Extracted by: GN
Extraction Method: SW846 3550
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG21977
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
121-14-2	2,4-Dinitrotoluene	U	1000	1.0	330	1000	300
84-66-2	Diethylphthalate	U	1000	1.0	330	1000	320
86-73-7	Fluorene	U	1000	1.0	330	1000	160
7005-72-3	4-Chlorophenyl-phenylether	U	1000	1.0	330	1000	160
100-01-6	4-Nitroaniline	U	2500	1.0	820	2500	260
534-52-1	4,6-Dinitro-2-Methylphenol	U	2500	1.0	820	2500	640
86-30-6	N-Nitrosodiphenylamine	U	1000	1.0	330	1000	220
103-33-3	Azobenzene	U	1000	1.0	330	1000	510
101-55-3	4-Bromophenyl-phenylether	U	1000	1.0	330	1000	170
118-74-1	Hexachlorobenzene	U	1000	1.0	330	1000	720
87-86-5	Pentachlorophenol	U	2500	1.0	820	2500	430
85-01-8	Phenanthrene	U	1000	1.0	330	1000	180
120-12-7	Anthracene	U	1000	1.0	330	1000	180
86-74-8	Carbazole	U	1000	1.0	330	1000	180
84-74-2	Di-n-butylphthalate	U	1000	1.0	330	1000	260
206-44-0	Fluoranthene	U	1000	1.0	330	1000	220
92-87-5	Benzidine	U	2500	1.0	820	2500	1300
129-00-0	Pyrene	U	1000	1.0	330	1000	220
85-68-7	Butylbenzylphthalate	U	1000	1.0	330	1000	210
56-55-3	Benzo(a)anthracene	U	1000	1.0	330	1000	180
91-94-1	3,3'-Dichlorobenzidine	U	1000	1.0	330	1000	410
218-01-9	Chrysene	U	1000	1.0	330	1000	200
117-81-7	bis(2-Ethylhexyl)phthalate	J	980	1.0	330	1000	230
117-84-0	Di-n-octylphthalate	U	1000	1.0	330	1000	230
205-99-2	Benzo(b)fluoranthene	U	1000	1.0	330	1000	200
207-08-9	Benzo(k)fluoranthene	U	1000	1.0	330	1000	180
50-32-8	Benzo(a)pyrene	U	1000	1.0	330	1000	140
193-39-5	Indeno(1,2,3-cd)pyrene	U	1000	1.0	330	1000	410
53-70-3	Dibenzo(a,h)anthracene	U	1000	1.0	330	1000	440
191-24-2	Benzo(g,h,i)perylene	U	1000	1.0	330	1000	400
367-12-4	2-Fluorophenol		59%				
13127-88-3	Phenol-D6		85%				
4165-60-0	Nitrobenzene-D5		49%				
321-60-8	2-Fluorobiphenyl		59%				
118-79-6	2,4,6-Tribromophenol		72%				
1718-51-0	Terphenyl-D14		79%				

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-31-02

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Matrix: (soil/water) SOIL Lab Sample ID: WV5605-16

Sample wt/vol: 0.030(Kg/mL) KG Lab File ID: K0457

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: 68 decanted: (Y/N) N Date Extracted:10/26/05

Concentrated Extract Volume: 0.001(L) Date Analyzed: 10/29/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 10

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	2.70	500	J
2.	141-79-7	3-PENTEN-2-ONE, 4-METHYL-	4.75	1000	NJB
3.		UNKNOWN	5.33	4000	JB
4.		UNKNOWN	5.87	100000	JB
5.		UNKNOWN	7.12	2000	JB
6.		UNKNOWN	11.81	700	JB
7.	10544-50-0	SULFUR, MOL. (S8)	22.30	400	NJ
8.		UNKNOWN	31.39	500	J
9.		UNKNOWN	31.84	2000	J
10.	19890-84-7	LONGIFOLENALDEHYDE	33.69	1000	NJ
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FORM I SV-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/26/05
Analysis Date: 29-OCT-2005 15:41
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 38.1

Lab ID: WV5605-14
Client ID: SD-31-SS
SDG: MID-6
Extracted by: GN
Extraction Method: SW846 3550
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG21977
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
123-91-1	1,4-Dioxane	U	860	1.0	330	860	430
62-75-9	N-Nitrosodimethylamine	U	860	1.0	330	860	430
110-86-1	Pyridine	U	860	1.0	330	860	430
62-53-3	Aniline	U	860	1.0	330	860	430
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	860	1.0	330	860	80
108-95-2	Phenol	U	860	1.0	330	860	240
111-44-4	Bis(2-Chloroethyl)ether	U	860	1.0	330	860	86
95-57-8	2-Chlorophenol	U	860	1.0	330	860	240
541-73-1	1,3-Dichlorobenzene	U	860	1.0	330	860	140
106-46-7	1,4-Dichlorobenzene	U	860	1.0	330	860	66
100-51-6	Benzyl alcohol	U	860	1.0	330	860	80
95-48-7	2-Methylphenol	U	860	1.0	330	860	360
95-50-1	1,2-Dichlorobenzene	U	860	1.0	330	860	110
621-64-7	N-Nitroso-di-n-propylamine	U	860	1.0	330	860	150
106-44-5	3&4-Methylphenol	U	860	1.0	330	860	390
67-72-1	Hexachloroethane	U	860	1.0	330	860	160
98-95-3	Nitrobenzene	U	860	1.0	330	860	200
78-59-1	Isophorone	U	860	1.0	330	860	140
88-75-5	2-Nitrophenol	U	860	1.0	330	860	280
105-67-9	2,4-Dimethylphenol	U	860	1.0	330	860	310
111-91-1	Bis(2-Chloroethoxy)methane	U	860	1.0	330	860	140
65-85-0	Benzoic acid	U	2200	1.0	820	2200	1100
120-83-2	2,4-Dichlorophenol	U	860	1.0	330	860	350
120-82-1	1,2,4-Trichlorobenzene	U	860	1.0	330	860	110
91-20-3	Naphthalene	U	860	1.0	330	860	170
106-47-8	4-Chloroaniline	U	860	1.0	330	860	140
87-68-3	Hexachlorobutadiene	U	860	1.0	330	860	110
59-50-7	4-Chloro-3-Methylphenol	U	860	1.0	330	860	310
91-57-6	2-Methylnaphthalene	U	860	1.0	330	860	150
90-12-0	1-Methylnaphthalene	U	860	1.0	330	860	430
77-47-4	Hexachlorocyclopentadiene	U	860	1.0	330	860	200
88-06-2	2,4,6-Trichlorophenol	U	860	1.0	330	860	310
95-95-4	2,4,5-Trichlorophenol	U	2200	1.0	820	2200	470
91-58-7	2-Chloronaphthalene	U	860	1.0	330	860	130
88-74-4	2-Nitroaniline	U	2200	1.0	820	2200	200
131-11-3	Dimethyl Phthalate	U	860	1.0	330	860	160
606-20-2	2,6-Dinitrotoluene	U	860	1.0	330	860	200
208-96-8	Acenaphthylene	U	860	1.0	330	860	100
99-09-2	3-Nitroaniline	U	2200	1.0	820	2200	190
83-32-9	Acenaphthene	U	860	1.0	330	860	160
51-28-5	2,4-Dinitrophenol	U	2200	1.0	820	2200	160
132-64-9	Dibenzofuran	U	860	1.0	330	860	160
100-02-7	4-Nitrophenol	U	2200	1.0	820	2200	410

Sample Data Summary A0000214

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/26/05
Analysis Date: 29-OCT-2005 15:41
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 38.1

Lab ID: WV5605-14
Client ID: SD-31-SS
SDG: MID-6
Extracted by: GN
Extraction Method: SW846 3550
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG21977
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
121-14-2	2,4-Dinitrotoluene	U	860	1.0	330	860	260
84-66-2	Diethylphthalate	U	860	1.0	330	860	270
86-73-7	Fluorene	U	860	1.0	330	860	140
7005-72-3	4-Chlorophenyl-phenylether	U	860	1.0	330	860	130
100-01-6	4-Nitroaniline	U	2200	1.0	820	2200	220
534-52-1	4,6-Dinitro-2-Methylphenol	U	2200	1.0	820	2200	540
86-30-6	N-Nitrosodiphenylamine	U	860	1.0	330	860	190
103-33-3	Azobenzene	U	860	1.0	330	860	430
101-55-3	4-Bromophenyl-phenylether	U	860	1.0	330	860	150
118-74-1	Hexachlorobenzene	U	860	1.0	330	860	610
87-86-5	Pentachlorophenol	U	2200	1.0	820	2200	370
85-01-8	Phenanthrene	U	860	1.0	330	860	150
120-12-7	Anthracene	U	860	1.0	330	860	150
86-74-8	Carbazole	U	860	1.0	330	860	160
84-74-2	Di-n-butylphthalate	U	860	1.0	330	860	220
206-44-0	Fluoranthene	U	860	1.0	330	860	190
92-87-5	Benzidine	U	2200	1.0	820	2200	1100
129-00-0	Pyrene	U	860	1.0	330	860	190
85-68-7	Butylbenzylphthalate	U	860	1.0	330	860	180
56-55-3	Benzo(a)anthracene	U	860	1.0	330	860	150
91-94-1	3,3'-Dichlorobenzidine	U	860	1.0	330	860	350
218-01-9	Chrysene	U	860	1.0	330	860	170
117-81-7	bis(2-Ethylhexyl)phthalate	U	860	1.0	330	860	200
117-84-0	Di-n-octylphthalate	U	860	1.0	330	860	190
205-99-2	Benzo(b)fluoranthene	U	860	1.0	330	860	170
207-08-9	Benzo(k)fluoranthene	U	860	1.0	330	860	150
50-32-8	Benzo(a)pyrene	U	860	1.0	330	860	120
193-39-5	Indeno(1,2,3-cd)pyrene	U	860	1.0	330	860	350
53-70-3	Dibenzo(a,h)anthracene	U	860	1.0	330	860	370
191-24-2	Benzo(g,h,i)perylene	U	860	1.0	330	860	340
367-12-4	2-Fluorophenol		49%				
13127-88-3	Phenol-D6		66%				
4165-60-0	Nitrobenzene-D5		37%				
321-60-8	2-Fluorobiphenyl		43%				
118-79-6	2,4,6-Tribromophenol		44%				
1718-51-0	Terphenyl-D14		* 57%				

Sample Data Summary A0000215

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-31-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Matrix: (soil/water) SOIL Lab Sample ID: WV5605-14

Sample wt/vol: 0.030(Kg/mL) KG Lab File ID: K0458

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: 62 decanted: (Y/N) N Date Extracted:10/26/05

Concentrated Extract Volume: 0.001(L) Date Analyzed: 10/29/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 8

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	141-79-7	3-PENTEN-2-ONE, 4-METHYL-	4.76	700	NJB
2.		UNKNOWN	5.33	4000	JB
3.		UNKNOWN	5.89	100000	JB
4.		UNKNOWN	7.11	2000	JB
5.		UNKNOWN	11.81	500	JB
6.	10544-50-0	SULFUR, MOL. (S8)	22.32	800	NJ
7.		UNKNOWN	28.28	400	J
8.		UNKNOWN	33.69	1000	J
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FORM I SV-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/26/05
Analysis Date: 29-OCT-2005 16:29
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 20.0

Lab ID: WV5605-17
Client ID: SD-32-SS
SDG: MID-6
Extracted by: GN
Extraction Method: SW846 3550
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG21977
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
123-91-1	1,4-Dioxane	U	1600	1.0	330	1600	820
62-75-9	N-Nitrosodimethylamine	U	1600	1.0	330	1600	820
110-86-1	Pyridine	U	1600	1.0	330	1600	820
62-53-3	Aniline	U	1600	1.0	330	1600	820
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	1600	1.0	330	1600	150
108-95-2	Phenol	U	1600	1.0	330	1600	460
111-44-4	Bis(2-Chloroethyl)ether	U	1600	1.0	330	1600	160
95-57-8	2-Chlorophenol	U	1600	1.0	330	1600	450
541-73-1	1,3-Dichlorobenzene	U	1600	1.0	330	1600	260
106-46-7	1,4-Dichlorobenzene	U	1600	1.0	330	1600	120
100-51-6	Benzyl alcohol	U	1600	1.0	330	1600	150
95-48-7	2-Methylphenol	U	1600	1.0	330	1600	680
95-50-1	1,2-Dichlorobenzene	U	1600	1.0	330	1600	210
621-64-7	N-Nitroso-di-n-propylamine	U	1600	1.0	330	1600	280
106-44-5	3&4-Methylphenol	U	1600	1.0	330	1600	750
67-72-1	Hexachloroethane	U	1600	1.0	330	1600	300
98-95-3	Nitrobenzene	U	1600	1.0	330	1600	370
78-59-1	Isophorone	U	1600	1.0	330	1600	260
88-75-5	2-Nitrophenol	U	1600	1.0	330	1600	540
105-67-9	2,4-Dimethylphenol	U	1600	1.0	330	1600	590
111-91-1	Bis(2-Chloroethoxy)methane	U	1600	1.0	330	1600	260
65-85-0	Benzoic acid	U	4100	1.0	820	4100	2000
120-83-2	2,4-Dichlorophenol	U	1600	1.0	330	1600	670
120-82-1	1,2,4-Trichlorobenzene	U	1600	1.0	330	1600	220
91-20-3	Naphthalene	U	1600	1.0	330	1600	320
106-47-8	4-Chloroaniline	U	1600	1.0	330	1600	270
87-68-3	Hexachlorobutadiene	U	1600	1.0	330	1600	220
59-50-7	4-Chloro-3-Methylphenol	U	1600	1.0	330	1600	590
91-57-6	2-Methylnaphthalene	U	1600	1.0	330	1600	280
90-12-0	1-Methylnaphthalene	U	1600	1.0	330	1600	820
77-47-4	Hexachlorocyclopentadiene	U	1600	1.0	330	1600	380
88-06-2	2,4,6-Trichlorophenol	U	1600	1.0	330	1600	590
95-95-4	2,4,5-Trichlorophenol	U	4100	1.0	820	4100	900
91-58-7	2-Chloronaphthalene	U	1600	1.0	330	1600	240
88-74-4	2-Nitroaniline	U	4100	1.0	820	4100	380
131-11-3	Dimethyl Phthalate	U	1600	1.0	330	1600	310
606-20-2	2,6-Dinitrotoluene	U	1600	1.0	330	1600	390
208-96-8	Acenaphthylene	U	1600	1.0	330	1600	200
99-09-2	3-Nitroaniline	U	4100	1.0	820	4100	360
83-32-9	Acenaphthene	U	1600	1.0	330	1600	300
51-28-5	2,4-Dinitrophenol	U	4100	1.0	820	4100	310
132-64-9	Dibenzofuran	U	1600	1.0	330	1600	310
100-02-7	4-Nitrophenol	U	4100	1.0	820	4100	780

Sample Data Summary A0000223

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/26/05
Analysis Date: 29-OCT-2005 16:29
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 20.0

Lab ID: WV5605-17
Client ID: SD-32-SS
SDG: MID-6
Extracted by: GN
Extraction Method: SW846 3550
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG21977
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
121-14-2	2,4-Dinitrotoluene	U	1600	1.0	330	1600	490
84-66-2	Diethylphthalate	U	1600	1.0	330	1600	520
86-73-7	Fluorene	U	1600	1.0	330	1600	260
7005-72-3	4-Chlorophenyl-phenylether	U	1600	1.0	330	1600	250
100-01-6	4-Nitroaniline	U	4100	1.0	820	4100	430
534-52-1	4,6-Dinitro-2-Methylphenol	U	4100	1.0	820	4100	1000
86-30-6	N-Nitrosodiphenylamine	U	1600	1.0	330	1600	360
103-33-3	Azobenzene	U	1600	1.0	330	1600	820
101-55-3	4-Bromophenyl-phenylether	U	1600	1.0	330	1600	280
118-74-1	Hexachlorobenzene	U	1600	1.0	330	1600	1200
87-86-5	Pentachlorophenol	U	4100	1.0	820	4100	700
85-01-8	Phenanthrene	U	1600	1.0	330	1600	290
120-12-7	Anthracene	U	1600	1.0	330	1600	290
86-74-8	Carbazole	U	1600	1.0	330	1600	300
84-74-2	Di-n-butylphthalate	U	1600	1.0	330	1600	420
206-44-0	Fluoranthene	J	470	1.0	330	1600	360
92-87-5	Benzidine	U	4100	1.0	820	4100	2000
129-00-0	Pyrene	J	610	1.0	330	1600	360
85-68-7	Butylbenzylphthalate	U	1600	1.0	330	1600	340
56-55-3	Benzo(a)anthracene	U	1600	1.0	330	1600	300
91-94-1	3,3'-Dichlorobenzidine	U	1600	1.0	330	1600	670
218-01-9	Chrysene	U	1600	1.0	330	1600	330
117-81-7	bis(2-Ethylhexyl)phthalate		2900	1.0	330	1600	370
117-84-0	Di-n-octylphthalate	U	1600	1.0	330	1600	370
205-99-2	Benzo(b)fluoranthene	J	400	1.0	330	1600	320
207-08-9	Benzo(k)fluoranthene	U	1600	1.0	330	1600	290
50-32-8	Benzo(a)pyrene	J	240	1.0	330	1600	230
193-39-5	Indeno(1,2,3-cd)pyrene	U	1600	1.0	330	1600	660
53-70-3	Dibenzo(a,h)anthracene	U	1600	1.0	330	1600	700
191-24-2	Benzo(g,h,i)perylene	U	1600	1.0	330	1600	650
367-12-4	2-Fluorophenol		42%				
13127-88-3	Phenol-D6		61%				
4165-60-0	Nitrobenzene-D5		35%				
321-60-8	2-Fluorobiphenyl		49%				
118-79-6	2,4,6-Tribromophenol		52%				
1718-51-0	Terphenyl-D14		* 65%				

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-32-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Matrix: (soil/water) SOIL Lab Sample ID: WV5605-17

Sample wt/vol: 0.030(Kg/mL) KG Lab File ID: K0459

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: 80 decanted: (Y/N) N Date Extracted:10/26/05

Concentrated Extract Volume: 0.001(L) Date Analyzed: 10/29/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 9

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	141-79-7	3-PENTEN-2-ONE, 4-METHYL-	4.75	700	NJB
2.		UNKNOWN	5.24	3000	JB
3.		UNKNOWN	5.77	100000	JB
4.		UNKNOWN	7.12	1000	JB
5.		UNKNOWN	11.81	700	JB
6.		UNKNOWN ORGANIC ACID	17.08	2000	J
7.		UNKNOWN ALKANE	18.35	2000	J
8.	7704-34-9	SULFUR	22.31	60000	NJ
9.		UNKNOWN ALKANE	27.45	2000	J
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FORM I SV-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/26/05
Analysis Date: 29-OCT-2005 17:17
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 24.5

Lab ID: WV5605-18
Client ID: SD-33-SS
SDG: MID-6
Extracted by: GN
Extraction Method: SW846 3550
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG21977
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
123-91-1	1,4-Dioxane	U	1300	1.0	330	1300	670
62-75-9	N-Nitrosodimethylamine	U	1300	1.0	330	1300	670
110-86-1	Pyridine	U	1300	1.0	330	1300	670
62-53-3	Aniline	U	1300	1.0	330	1300	670
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	1300	1.0	330	1300	120
108-95-2	Phenol	U	1300	1.0	330	1300	370
111-44-4	Bis(2-Chloroethyl)ether	U	1300	1.0	330	1300	130
95-57-8	2-Chlorophenol	U	1300	1.0	330	1300	370
541-73-1	1,3-Dichlorobenzene	U	1300	1.0	330	1300	220
106-46-7	1,4-Dichlorobenzene	U	1300	1.0	330	1300	100
100-51-6	Benzyl alcohol	U	1300	1.0	330	1300	120
95-48-7	2-Methylphenol	U	1300	1.0	330	1300	550
95-50-1	1,2-Dichlorobenzene	U	1300	1.0	330	1300	170
621-64-7	N-Nitroso-di-n-propylamine	U	1300	1.0	330	1300	230
106-44-5	3&4-Methylphenol	U	1300	1.0	330	1300	610
67-72-1	Hexachloroethane	U	1300	1.0	330	1300	250
98-95-3	Nitrobenzene	U	1300	1.0	330	1300	300
78-59-1	Isophorone	U	1300	1.0	330	1300	210
88-75-5	2-Nitrophenol	U	1300	1.0	330	1300	440
105-67-9	2,4-Dimethylphenol	U	1300	1.0	330	1300	480
111-91-1	Bis(2-Chloroethoxy)methane	U	1300	1.0	330	1300	210
65-85-0	Benzoic acid	U	3300	1.0	820	3300	1700
120-83-2	2,4-Dichlorophenol	U	1300	1.0	330	1300	550
120-82-1	1,2,4-Trichlorobenzene	U	1300	1.0	330	1300	180
91-20-3	Naphthalene	U	1300	1.0	330	1300	260
106-47-8	4-Chloroaniline	U	1300	1.0	330	1300	220
87-68-3	Hexachlorobutadiene	U	1300	1.0	330	1300	180
59-50-7	4-Chloro-3-Methylphenol	U	1300	1.0	330	1300	480
91-57-6	2-Methylnaphthalene	U	1300	1.0	330	1300	230
90-12-0	1-Methylnaphthalene	U	1300	1.0	330	1300	670
77-47-4	Hexachlorocyclopentadiene	U	1300	1.0	330	1300	300
88-06-2	2,4,6-Trichlorophenol	U	1300	1.0	330	1300	480
95-95-4	2,4,5-Trichlorophenol	U	3300	1.0	820	3300	730
91-58-7	2-Chloronaphthalene	U	1300	1.0	330	1300	200
88-74-4	2-Nitroaniline	U	3300	1.0	820	3300	300
131-11-3	Dimethyl Phthalate	U	1300	1.0	330	1300	250
606-20-2	2,6-Dinitrotoluene	U	1300	1.0	330	1300	320
208-96-8	Acenaphthylene	U	1300	1.0	330	1300	160
99-09-2	3-Nitroaniline	U	3300	1.0	820	3300	290
83-32-9	Acenaphthene	U	1300	1.0	330	1300	240
51-28-5	2,4-Dinitrophenol	U	3300	1.0	820	3300	250
132-64-9	Dibenzofuran	U	1300	1.0	330	1300	250
100-02-7	4-Nitrophenol	U	3300	1.0	820	3300	630

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/26/05
Analysis Date: 29-OCT-2005 17:17
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 24.5

Lab ID: WV5605-18
Client ID: SD-33-SS
SDG: MID-6
Extracted by: GN
Extraction Method: SW846 3550
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG21977
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
121-14-2	2,4-Dinitrotoluene	U	1300	1.0	330	1300	400
84-66-2	Diethylphthalate	U	1300	1.0	330	1300	420
86-73-7	Fluorene	U	1300	1.0	330	1300	210
7005-72-3	4-Chlorophenyl-phenylether	U	1300	1.0	330	1300	200
100-01-6	4-Nitroaniline	U	3300	1.0	820	3300	350
534-52-1	4,6-Dinitro-2-Methylphenol	U	3300	1.0	820	3300	840
86-30-6	N-Nitrosodiphenylamine	U	1300	1.0	330	1300	290
103-33-3	Azobenzene	U	1300	1.0	330	1300	670
101-55-3	4-Bromophenyl-phenylether	U	1300	1.0	330	1300	230
118-74-1	Hexachlorobenzene	U	1300	1.0	330	1300	950
87-86-5	Pentachlorophenol	U	3300	1.0	820	3300	570
85-01-8	Phenanthrene	U	1300	1.0	330	1300	240
120-12-7	Anthracene	U	1300	1.0	330	1300	240
86-74-8	Carbazole	U	1300	1.0	330	1300	240
84-74-2	Di-n-butylphthalate	U	1300	1.0	330	1300	340
206-44-0	Fluoranthene	J	340	1.0	330	1300	290
92-87-5	Benzidine	U	3300	1.0	820	3300	1700
129-00-0	Pyrene	J	400	1.0	330	1300	290
85-68-7	Butylbenzylphthalate	U	1300	1.0	330	1300	280
56-55-3	Benzo(a)anthracene	U	1300	1.0	330	1300	240
91-94-1	3,3'-Dichlorobenzidine	U	1300	1.0	330	1300	540
218-01-9	Chrysene	U	1300	1.0	330	1300	270
117-81-7	bis(2-Ethylhexyl)phthalate	J	800	1.0	330	1300	300
117-84-0	Di-n-octylphthalate	U	1300	1.0	330	1300	300
205-99-2	Benzo(b)fluoranthene	J	290	1.0	330	1300	260
207-08-9	Benzo(k)fluoranthene	U	1300	1.0	330	1300	240
50-32-8	Benzo(a)pyrene	U	1300	1.0	330	1300	180
193-39-5	Indeno(1,2,3-cd)pyrene	U	1300	1.0	330	1300	540
53-70-3	Dibenzo(a,h)anthracene	U	1300	1.0	330	1300	570
191-24-2	Benzo(g,h,i)perylene	U	1300	1.0	330	1300	530
367-12-4	2-Fluorophenol		* 36%				
13127-88-3	Phenol-D6		53%				
4165-60-0	Nitrobenzene-D5		* 28%				
321-60-8	2-Fluorobiphenyl		39%				
118-79-6	2,4,6-Tribromophenol		46%				
1718-51-0	Terphenyl-D14		* 56%				

Sample Data Summary A0000227

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-33-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Matrix: (soil/water) SOIL Lab Sample ID: WV5605-18

Sample wt/vol: 0.030(Kg/mL) KG Lab File ID: K0460

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: 75 decanted: (Y/N) N Date Extracted:10/26/05

Concentrated Extract Volume: 0.001(L) Date Analyzed: 10/29/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 10

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	2.68	600	J
2.		UNKNOWN	5.23	3000	JB
3.		UNKNOWN	5.78	100000	JB
4.		UNKNOWN	7.11	1000	JB
5.		UNKNOWN	11.80	600	JB
6.		UNKNOWN	17.08	800	J
7.		UNKNOWN ALKANE	18.36	1000	J
8.		UNKNOWN	30.13	1000	J
9.		UNKNOWN	30.69	3000	J
10.		UNKNOWN	31.85	3000	J
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KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/26/05
Analysis Date: 29-OCT-2005 20:32
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 39.3

Lab ID: WV5605-19
Client ID: SD-34-SS
SDG: MID-6
Extracted by: GN
Extraction Method: SW846 3550
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG21977
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
123-91-1	1,4-Dioxane	U	840	1.0	330	840	420
62-75-9	N-Nitrosodimethylamine	U	840	1.0	330	840	420
110-86-1	Pyridine	U	840	1.0	330	840	420
62-53-3	Aniline	U	840	1.0	330	840	420
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	840	1.0	330	840	78
108-95-2	Phenol	U	840	1.0	330	840	230
111-44-4	Bis(2-Chloroethyl)ether	U	840	1.0	330	840	84
95-57-8	2-Chlorophenol	U	840	1.0	330	840	230
541-73-1	1,3-Dichlorobenzene	U	840	1.0	330	840	130
106-46-7	1,4-Dichlorobenzene	BJ	74	1.0	330	840	64
100-51-6	Benzyl alcohol	U	840	1.0	330	840	78
95-48-7	2-Methylphenol	U	840	1.0	330	840	350
95-50-1	1,2-Dichlorobenzene	U	840	1.0	330	840	110
621-64-7	N-Nitroso-di-n-propylamine	U	840	1.0	330	840	140
106-44-5	3&4-Methylphenol	U	840	1.0	330	840	380
67-72-1	Hexachloroethane	U	840	1.0	330	840	150
98-95-3	Nitrobenzene	U	840	1.0	330	840	190
78-59-1	Isophorone	U	840	1.0	330	840	130
88-75-5	2-Nitrophenol	U	840	1.0	330	840	270
105-67-9	2,4-Dimethylphenol	U	840	1.0	330	840	300
111-91-1	Bis(2-Chloroethoxy)methane	U	840	1.0	330	840	130
65-85-0	Benzoic acid	U	2100	1.0	820	2100	1000
120-83-2	2,4-Dichlorophenol	U	840	1.0	330	840	340
120-82-1	1,2,4-Trichlorobenzene	U	840	1.0	330	840	110
91-20-3	Naphthalene	U	840	1.0	330	840	160
106-47-8	4-Chloroaniline	U	840	1.0	330	840	140
87-68-3	Hexachlorobutadiene	U	840	1.0	330	840	110
59-50-7	4-Chloro-3-Methylphenol	U	840	1.0	330	840	300
91-57-6	2-Methylnaphthalene	U	840	1.0	330	840	140
90-12-0	1-Methylnaphthalene	U	840	1.0	330	840	420
77-47-4	Hexachlorocyclopentadiene	U	840	1.0	330	840	190
88-06-2	2,4,6-Trichlorophenol	U	840	1.0	330	840	300
95-95-4	2,4,5-Trichlorophenol	U	2100	1.0	820	2100	460
91-58-7	2-Chloronaphthalene	U	840	1.0	330	840	120
88-74-4	2-Nitroaniline	U	2100	1.0	820	2100	190
131-11-3	Dimethyl Phthalate	U	840	1.0	330	840	160
606-20-2	2,6-Dinitrotoluene	U	840	1.0	330	840	200
208-96-8	Acenaphthylene	U	840	1.0	330	840	100
99-09-2	3-Nitroaniline	U	2100	1.0	820	2100	180
83-32-9	Acenaphthene	BJ	170	1.0	330	840	150
51-28-5	2,4-Dinitrophenol	U	2100	1.0	820	2100	160
132-64-9	Dibenzofuran	U	840	1.0	330	840	160
100-02-7	4-Nitrophenol	U	2100	1.0	820	2100	390

Sample Data Summary A0000229

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/26/05
Analysis Date: 29-OCT-2005 20:32
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 39.3

Lab ID: WV5605-19
Client ID: SD-34-SS
SDG: MID-6
Extracted by: GN
Extraction Method: SW846 3550
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG21977
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
121-14-2	2,4-Dinitrotoluene	U	840	1.0	330	840	250
84-66-2	Diethylphthalate	U	840	1.0	330	840	260
86-73-7	Fluorene	U	840	1.0	330	840	130
7005-72-3	4-Chlorophenyl-phenylether	U	840	1.0	330	840	130
100-01-6	4-Nitroaniline	U	2100	1.0	820	2100	220
534-52-1	4,6-Dinitro-2-Methylphenol	U	2100	1.0	820	2100	520
86-30-6	N-Nitrosodiphenylamine	U	840	1.0	330	840	180
103-33-3	Azobenzene	U	840	1.0	330	840	420
101-55-3	4-Bromophenyl-phenylether	U	840	1.0	330	840	140
118-74-1	Hexachlorobenzene	U	840	1.0	330	840	590
87-86-5	Pentachlorophenol	U	2100	1.0	820	2100	360
85-01-8	Phenanthrene	J	220	1.0	330	840	150
120-12-7	Anthracene	J	170	1.0	330	840	150
86-74-8	Carbazole	U	840	1.0	330	840	150
84-74-2	Di-n-butylphthalate	U	840	1.0	330	840	210
206-44-0	Fluoranthene	J	430	1.0	330	840	180
92-87-5	Benzidine	U	2100	1.0	820	2100	1000
129-00-0	Pyrene	J	830	1.0	330	840	180
85-68-7	Butylbenzylphthalate	J	190	1.0	330	840	170
56-55-3	Benzo(a)anthracene	J	260	1.0	330	840	150
91-94-1	3,3'-Dichlorobenzidine	U	840	1.0	330	840	340
218-01-9	Chrysene	J	410	1.0	330	840	170
117-81-7	bis(2-Ethylhexyl)phthalate		1900	1.0	330	840	190
117-84-0	Di-n-octylphthalate	U	840	1.0	330	840	190
205-99-2	Benzo(b)fluoranthene	J	520	1.0	330	840	160
207-08-9	Benzo(k)fluoranthene	U	840	1.0	330	840	150
50-32-8	Benzo(a)pyrene	J	350	1.0	330	840	120
193-39-5	Indeno(1,2,3-cd)pyrene	U	840	1.0	330	840	340
53-70-3	Dibenzo(a,h)anthracene	U	840	1.0	330	840	360
191-24-2	Benzo(g,h,i)perylene	U	840	1.0	330	840	330
367-12-4	2-Fluorophenol		43%				
13127-88-3	Phenol-D6		65%				
4165-60-0	Nitrobenzene-D5		35%				
321-60-8	2-Fluorobiphenyl		46%				
118-79-6	2,4,6-Tribromophenol		52%				
1718-51-0	Terphenyl-D14		80%				

Sample Data Summary A0000230

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-34-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Matrix: (soil/water) SOIL Lab Sample ID: WV5605-19

Sample wt/vol: 0.030(Kg/mL) KG Lab File ID: K0464

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: 61 decanted: (Y/N) N Date Extracted:10/26/05

Concentrated Extract Volume: 0.001(L) Date Analyzed: 10/29/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 12

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	141-79-7	3-PENTEN-2-ONE, 4-METHYL-	4.75	400	NJB
2.		UNKNOWN	5.24	2000	JB
3.		UNKNOWN	5.77	70000	JB
4.		UNKNOWN	7.12	600	JB
5.	79-34-5	ETHANE, 1,1,2,2-TETRACHLORO	7.20	400	NJ
6.		UNKNOWN	11.81	500	JB
7.		UNKNOWN ALKANE	18.36	4000	J
8.	10544-50-0	SULFUR, MOL. (S8)	21.50	60000	NJ
9.		UNKNOWN	22.50	300	J
10.		UNKNOWN ALKANE	24.24	400	J
11.		UNKNOWN ALKANE	27.44	1000	J
12.		UNKNOWN	31.98	8000	J
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
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28.					
29.					
30.					

FORM I SV-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/26/05
Analysis Date: 29-OCT-2005 18:06
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 26.6

Lab ID: WV5605-20
Client ID: SD-35-SS
SDG: MID-6
Extracted by: GN
Extraction Method: SW846 3550
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG21977
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
123-91-1	1,4-Dioxane	U	1200	1.0	330	1200	620
62-75-9	N-Nitrosodimethylamine	U	1200	1.0	330	1200	620
110-86-1	Pyridine	U	1200	1.0	330	1200	620
62-53-3	Aniline	U	1200	1.0	330	1200	620
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	1200	1.0	330	1200	120
108-95-2	Phenol	U	1200	1.0	330	1200	340
111-44-4	Bis(2-Chloroethyl)ether	U	1200	1.0	330	1200	120
95-57-8	2-Chlorophenol	U	1200	1.0	330	1200	340
541-73-1	1,3-Dichlorobenzene	U	1200	1.0	330	1200	200
106-46-7	1,4-Dichlorobenzene	BJ	110	1.0	330	1200	95
100-51-6	Benzyl alcohol	U	1200	1.0	330	1200	120
95-48-7	2-Methylphenol	U	1200	1.0	330	1200	510
95-50-1	1,2-Dichlorobenzene	U	1200	1.0	330	1200	160
621-64-7	N-Nitroso-di-n-propylamine	U	1200	1.0	330	1200	210
106-44-5	3&4-Methylphenol	U	1200	1.0	330	1200	560
67-72-1	Hexachloroethane	U	1200	1.0	330	1200	230
98-95-3	Nitrobenzene	U	1200	1.0	330	1200	280
78-59-1	Isophorone	U	1200	1.0	330	1200	200
88-75-5	2-Nitrophenol	U	1200	1.0	330	1200	400
105-67-9	2,4-Dimethylphenol	U	1200	1.0	330	1200	440
111-91-1	Bis(2-Chloroethoxy)methane	U	1200	1.0	330	1200	200
65-85-0	Benzoic acid	U	3100	1.0	820	3100	1500
120-83-2	2,4-Dichlorophenol	U	1200	1.0	330	1200	500
120-82-1	1,2,4-Trichlorobenzene	U	1200	1.0	330	1200	160
91-20-3	Naphthalene	U	1200	1.0	330	1200	240
106-47-8	4-Chloroaniline	U	1200	1.0	330	1200	200
87-68-3	Hexachlorobutadiene	U	1200	1.0	330	1200	160
59-50-7	4-Chloro-3-Methylphenol	U	1200	1.0	330	1200	440
91-57-6	2-Methylnaphthalene	U	1200	1.0	330	1200	210
90-12-0	1-Methylnaphthalene	U	1200	1.0	330	1200	620
77-47-4	Hexachlorocyclopentadiene	U	1200	1.0	330	1200	280
88-06-2	2,4,6-Trichlorophenol	U	1200	1.0	330	1200	440
95-95-4	2,4,5-Trichlorophenol	U	3100	1.0	820	3100	680
91-58-7	2-Chloronaphthalene	U	1200	1.0	330	1200	180
88-74-4	2-Nitroaniline	U	3100	1.0	820	3100	280
131-11-3	Dimethyl Phthalate	U	1200	1.0	330	1200	230
606-20-2	2,6-Dinitrotoluene	U	1200	1.0	330	1200	290
208-96-8	Acenaphthylene	U	1200	1.0	330	1200	150
99-09-2	3-Nitroaniline	U	3100	1.0	820	3100	270
83-32-9	Acenaphthene	U	1200	1.0	330	1200	220
51-28-5	2,4-Dinitrophenol	U	3100	1.0	820	3100	230
132-64-9	Dibenzofuran	U	1200	1.0	330	1200	230
100-02-7	4-Nitrophenol	U	3100	1.0	820	3100	580

Sample Data Summary A0000232

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/26/05
Analysis Date: 29-OCT-2005 18:06
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 26.6

Lab ID: WV5605-20
Client ID: SD-35-SS
SDG: MID-6
Extracted by: GN
Extraction Method: SW846 3550
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG21977
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
121-14-2	2,4-Dinitrotoluene	U	1200	1.0	330	1200	370
84-66-2	Diethylphthalate	U	1200	1.0	330	1200	390
86-73-7	Fluorene	U	1200	1.0	330	1200	200
7005-72-3	4-Chlorophenyl-phenylether	U	1200	1.0	330	1200	190
100-01-6	4-Nitroaniline	U	3100	1.0	820	3100	320
534-52-1	4,6-Dinitro-2-Methylphenol	U	3100	1.0	820	3100	780
86-30-6	N-Nitrosodiphenylamine	U	1200	1.0	330	1200	270
103-33-3	Azobenzene	U	1200	1.0	330	1200	620
101-55-3	4-Bromophenyl-phenylether	U	1200	1.0	330	1200	210
118-74-1	Hexachlorobenzene	U	1200	1.0	330	1200	880
87-86-5	Pentachlorophenol	U	3100	1.0	820	3100	530
85-01-8	Phenanthrene	U	1200	1.0	330	1200	220
120-12-7	Anthracene	U	1200	1.0	330	1200	220
86-74-8	Carbazole	U	1200	1.0	330	1200	220
84-74-2	Di-n-butylphthalate	U	1200	1.0	330	1200	320
206-44-0	Fluoranthene	J	310	1.0	330	1200	270
92-87-5	Benzidine	U	3100	1.0	820	3100	1500
129-00-0	Pyrene	J	440	1.0	330	1200	270
85-68-7	Butylbenzylphthalate	U	1200	1.0	330	1200	260
56-55-3	Benzo(a)anthracene	U	1200	1.0	330	1200	220
91-94-1	3,3'-Dichlorobenzidine	U	1200	1.0	330	1200	500
218-01-9	Chrysene	U	1200	1.0	330	1200	250
117-81-7	bis(2-Ethylhexyl)phthalate		1600	1.0	330	1200	280
117-84-0	Di-n-octylphthalate	U	1200	1.0	330	1200	280
205-99-2	Benzo(b)fluoranthene	J	300	1.0	330	1200	240
207-08-9	Benzo(k)fluoranthene	U	1200	1.0	330	1200	220
50-32-8	Benzo(a)pyrene	J	170	1.0	330	1200	170
193-39-5	Indeno(1,2,3-cd)pyrene	U	1200	1.0	330	1200	500
53-70-3	Dibenzo(a,h)anthracene	U	1200	1.0	330	1200	530
191-24-2	Benzo(g,h,i)perylene	U	1200	1.0	330	1200	490
367-12-4	2-Fluorophenol		50%				
13127-88-3	Phenol-D6		70%				
4165-60-0	Nitrobenzene-D5		43%				
321-60-8	2-Fluorobiphenyl		56%				
118-79-6	2,4,6-Tribromophenol		54%				
1718-51-0	Terphenyl-D14		76%				

Sample Data Summary A0000233

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-35-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Matrix: (soil/water) SOIL Lab Sample ID: WV5605-20

Sample wt/vol: 0.030(Kg/mL) KG Lab File ID: K0461

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: 73 decanted: (Y/N) N Date Extracted:10/26/05

Concentrated Extract Volume: 0.001(L) Date Analyzed: 10/29/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 9

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	2.68	500	J
2.	141-79-7	3-PENTEN-2-ONE, 4-METHYL-	4.74	900	NJB
3.		UNKNOWN	5.26	3000	JB
4.		UNKNOWN	5.81	100000	JB
5.		UNKNOWN	7.12	1000	JB
6.	79-34-5	ETHANE, 1,1,2,2-TETRACHLORO	7.21	800	NJ
7.		UNKNOWN	11.81	700	JB
8.		UNKNOWN ALKANE	18.36	1000	J
9.		UNKNOWN	31.85	7000	J
10.					
11.					
12.					
13.					
14.					
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17.					
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30.					

FORM I SV-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/25/05
Analysis Date: 28-OCT-2005 02:05
Report Date: 11/02/2005
Matrix: SOIL
% Solids: 68.5

Lab ID: WV5605-1
Client ID: SD-24-SS
SDG: MID-6
Extracted by: GN
Extraction Method: SW846 3545
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG21992
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	25	1.0	17	25	11
11104-28-2	Aroclor-1221	U	25	1.0	17	25	13
11141-16-5	Aroclor-1232	U	25	1.0	17	25	7.7
53469-21-9	Aroclor-1242	U	25	1.0	17	25	9.8
12672-29-6	Aroclor-1248	U	25	1.0	17	25	8.4
11097-69-1	Aroclor-1254	U	25	1.0	17	25	19
11096-82-5	Aroclor-1260		190	1.0	17	25	6.1
877-09-8	Tetrachloro-m-xylene		*110%				
2051-24-3	Decachlorobiphenyl		76%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/28/05
Analysis Date: 30-OCT-2005 22:14
Report Date: 11/02/2005
Matrix: SOIL
% Solids: 42.5

Lab ID: WV5605-2
Client ID: SD-25-SS
SDG: MID-6
Extracted by: GN
Extraction Method: SW846 3550
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG22135
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	40	1.0	17	40	18
11104-28-2	Aroclor-1221	U	40	1.0	17	40	21
11141-16-5	Aroclor-1232	U	40	1.0	17	40	12
53469-21-9	Aroclor-1242	U	40	1.0	17	40	16
12672-29-6	Aroclor-1248	U	40	1.0	17	40	13
11097-69-1	Aroclor-1254	U	40	1.0	17	40	30
11096-82-5	Aroclor-1260		1300	1.0	17	40	9.8
877-09-8	Tetrachloro-m-xylene		92%				
2051-24-3	Decachlorobiphenyl		92%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/28/05
Analysis Date: 30-OCT-2005 22:42
Report Date: 11/02/2005
Matrix: SOIL
% Solids: 22.3

Lab ID: WV5605-3
Client ID: SD-26-SS
SDG: MID-6
Extracted by: GN
Extraction Method: SW846 3550
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG22135
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	76	1.0	17	76	34
11104-28-2	Aroclor-1221	U	76	1.0	17	76	40
11141-16-5	Aroclor-1232	U	76	1.0	17	76	24
53469-21-9	Aroclor-1242	U	76	1.0	17	76	30
12672-29-6	Aroclor-1248	U	76	1.0	17	76	26
11097-69-1	Aroclor-1254	U	76	1.0	17	76	58
11096-82-5	Aroclor-1260		1500	1.0	17	76	19
877-09-8	Tetrachloro-m-xylene		82%				
2051-24-3	Decachlorobiphenyl		86%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/28/05
Analysis Date: 30-OCT-2005 23:39
Report Date: 11/02/2005
Matrix: SOIL
% Solids: 35.2

Lab ID: WV5605-5
Client ID: SD-27-01
SDG: MID-6
Extracted by: GN
Extraction Method: SW846 3550
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG22135
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	48	1.0	17	48	21
11104-28-2	Aroclor-1221	U	48	1.0	17	48	26
11141-16-5	Aroclor-1232	U	48	1.0	17	48	15
53469-21-9	Aroclor-1242	U	48	1.0	17	48	19
12672-29-6	Aroclor-1248	U	48	1.0	17	48	16
11097-69-1	Aroclor-1254	U	48	1.0	17	48	36
11096-82-5	Aroclor-1260		670	1.0	17	48	12
877-09-8	Tetrachloro-m-xylene		85%				
2051-24-3	Decachlorobiphenyl		101%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/28/05
Analysis Date: 31-OCT-2005 00:07
Report Date: 11/02/2005
Matrix: SOIL
% Solids: 72.3

Lab ID: WV5605-6
Client ID: SD-27-02
SDG: MID-6
Extracted by: GN
Extraction Method: SW846 3550
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG22135
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	24	1.0	17	24	10
11104-28-2	Aroclor-1221	U	24	1.0	17	24	12
11141-16-5	Aroclor-1232	U	24	1.0	17	24	7.3
53469-21-9	Aroclor-1242	U	24	1.0	17	24	9.3
12672-29-6	Aroclor-1248	U	24	1.0	17	24	7.9
11097-69-1	Aroclor-1254	U	24	1.0	17	24	18
11096-82-5	Aroclor-1260		67	1.0	17	24	5.8
877-09-8	Tetrachloro-m-xylene		89%				
2051-24-3	Decachlorobiphenyl		81%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/28/05
Analysis Date: 31-OCT-2005 14:59
Report Date: 11/02/2005
Matrix: SOIL
% Solids: 35.3

Lab ID: WV5605-4DL
Client ID: SD-27-SS
SDG: MID-6
Extracted by: GN
Extraction Method: SW846 3550
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG22135
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	2400	50	17	2400	1100
11104-28-2	Aroclor-1221	U	2400	50	17	2400	1300
11141-16-5	Aroclor-1232	U	2400	50	17	2400	750
53469-21-9	Aroclor-1242	U	2400	50	17	2400	950
12672-29-6	Aroclor-1248	U	2400	50	17	2400	810
11097-69-1	Aroclor-1254	U	2400	50	17	2400	1800
11096-82-5	Aroclor-1260		20000	50	17	2400	590
877-09-8	Tetrachloro-m-xylene		D				
2051-24-3	Decachlorobiphenyl		D				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/28/05
Analysis Date: 31-OCT-2005 15:55
Report Date: 11/02/2005
Matrix: SOIL
% Solids: 38.6

Lab ID: WV5605-8
Client ID: SD-28-01
SDG: MID-6
Extracted by: GN
Extraction Method: SW846 3550
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG22135
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	44	1.0	17	44	19
11104-28-2	Aroclor-1221	U	44	1.0	17	44	23
11141-16-5	Aroclor-1232	U	44	1.0	17	44	14
53469-21-9	Aroclor-1242	U	44	1.0	17	44	17
12672-29-6	Aroclor-1248	U	44	1.0	17	44	15
11097-69-1	Aroclor-1254	U	44	1.0	17	44	33
11096-82-5	Aroclor-1260		610	1.0	17	44	11
877-09-8	Tetrachloro-m-xylene		77%				
2051-24-3	Decachlorobiphenyl		*140%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/28/05
Analysis Date: 31-OCT-2005 16:24
Report Date: 11/02/2005
Matrix: SOIL
% Solids: 44.3

Lab ID: WV5605-9
Client ID: SD-28-02
SDG: MID-6
Extracted by: GN
Extraction Method: SW846 3550
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG22135
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	38	1.0	17	38	17
11104-28-2	Aroclor-1221	U	38	1.0	17	38	20
11141-16-5	Aroclor-1232	U	38	1.0	17	38	12
53469-21-9	Aroclor-1242	U	38	1.0	17	38	15
12672-29-6	Aroclor-1248	U	38	1.0	17	38	13
11097-69-1	Aroclor-1254	U	38	1.0	17	38	29
11096-82-5	Aroclor-1260	U	38	1.0	17	38	9.4
877-09-8	Tetrachloro-m-xylene		78%				
2051-24-3	Decachlorobiphenyl		82%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/28/05
Analysis Date: 31-OCT-2005 15:27
Report Date: 11/02/2005
Matrix: SOIL
% Solids: 28.9

Lab ID: WV5605-7
Client ID: SD-28-SS
SDG: MID-6
Extracted by: GN
Extraction Method: SW846 3550
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG22135
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	59	1.0	17	59	26
11104-28-2	Aroclor-1221	U	59	1.0	17	59	31
11141-16-5	Aroclor-1232	U	59	1.0	17	59	18
53469-21-9	Aroclor-1242	U	59	1.0	17	59	23
12672-29-6	Aroclor-1248	U	59	1.0	17	59	20
11097-69-1	Aroclor-1254	U	59	1.0	17	59	44
11096-82-5	Aroclor-1260		790	1.0	17	59	14
877-09-8	Tetrachloro-m-xylene		78%				
2051-24-3	Decachlorobiphenyl		*132%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/28/05
Analysis Date: 01-NOV-2005 13:19
Report Date: 11/02/2005
Matrix: SOIL
% Solids: 36.4

Lab ID: WV5605-11
Client ID: SD-29-01
SDG: MID-6
Extracted by: GN
Extraction Method: SW846 3550
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG22135
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	47	1.0	17	47	21
11104-28-2	Aroclor-1221	U	47	1.0	17	47	25
11141-16-5	Aroclor-1232	U	47	1.0	17	47	14
53469-21-9	Aroclor-1242	U	47	1.0	17	47	18
12672-29-6	Aroclor-1248	U	47	1.0	17	47	16
11097-69-1	Aroclor-1254	U	47	1.0	17	47	35
11096-82-5	Aroclor-1260		210	1.0	17	47	11
877-09-8	Tetrachloro-m-xylene		96%				
2051-24-3	Decachlorobiphenyl		*108%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/28/05
Analysis Date: 01-NOV-2005 13:48
Report Date: 11/02/2005
Matrix: SOIL
% Solids: 57.8

Lab ID: WV5605-12
Client ID: SD-29-02
SDG: MID-6
Extracted by: GN
Extraction Method: SW846 3550
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG22135
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	29	1.0	17	29	13
11104-28-2	Aroclor-1221	U	29	1.0	17	29	16
11141-16-5	Aroclor-1232	U	29	1.0	17	29	9.1
53469-21-9	Aroclor-1242	U	29	1.0	17	29	12
12672-29-6	Aroclor-1248	U	29	1.0	17	29	9.9
11097-69-1	Aroclor-1254	U	29	1.0	17	29	22
11096-82-5	Aroclor-1260	U	29	1.0	17	29	7.2
877-09-8	Tetrachloro-m-xylene		86%				
2051-24-3	Decachlorobiphenyl		81%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/28/05
Analysis Date: 31-OCT-2005 16:52
Report Date: 11/02/2005
Matrix: SOIL
% Solids: 33.5

Lab ID: WV5605-10
Client ID: SD-29-SS
SDG: MID-6
Extracted by: GN
Extraction Method: SW846 3550
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG22135
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	51	1.0	17	51	22
11104-28-2	Aroclor-1221	U	51	1.0	17	51	27
11141-16-5	Aroclor-1232	U	51	1.0	17	51	16
53469-21-9	Aroclor-1242	U	51	1.0	17	51	20
12672-29-6	Aroclor-1248	U	51	1.0	17	51	17
11097-69-1	Aroclor-1254	U	51	1.0	17	51	38
11096-82-5	Aroclor-1260		2500	1.0	17	51	12
877-09-8	Tetrachloro-m-xylene		84%				
2051-24-3	Decachlorobiphenyl		90%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/28/05
Analysis Date: 01-NOV-2005 14:16
Report Date: 11/02/2005
Matrix: SOIL
% Solids: 24.8

Lab ID: WV5605-13
Client ID: SD-30-SS
SDG: MID-6
Extracted by: GN
Extraction Method: SW846 3550
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG22135
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	68	1.0	17	68	30
11104-28-2	Aroclor-1221	U	68	1.0	17	68	36
11141-16-5	Aroclor-1232	U	68	1.0	17	68	21
53469-21-9	Aroclor-1242	U	68	1.0	17	68	27
12672-29-6	Aroclor-1248	U	68	1.0	17	68	23
11097-69-1	Aroclor-1254	U	68	1.0	17	68	52
11096-82-5	Aroclor-1260		1400	1.0	17	68	17
877-09-8	Tetrachloro-m-xylene		91%				
2051-24-3	Decachlorobiphenyl		85%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/28/05
Analysis Date: 01-NOV-2005 15:13
Report Date: 11/02/2005
Matrix: SOIL
% Solids: 44.6

Lab ID: WV5605-15
Client ID: SD-31-01
SDG: MID-6
Extracted by: GN
Extraction Method: SW846 3550
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG22135
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	38	1.0	17	38	17
11104-28-2	Aroclor-1221	U	38	1.0	17	38	20
11141-16-5	Aroclor-1232	U	38	1.0	17	38	12
53469-21-9	Aroclor-1242	U	38	1.0	17	38	15
12672-29-6	Aroclor-1248	U	38	1.0	17	38	13
11097-69-1	Aroclor-1254	U	38	1.0	17	38	29
11096-82-5	Aroclor-1260	U	38	1.0	17	38	9.3
877-09-8	Tetrachloro-m-xylene		90%				
2051-24-3	Decachlorobiphenyl		85%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/28/05
Analysis Date: 01-NOV-2005 15:41
Report Date: 11/02/2005
Matrix: SOIL
% Solids: 32.4

Lab ID: WV5605-16
Client ID: SD-31-02
SDG: MID-6
Extracted by: GN
Extraction Method: SW846 3550
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG22135
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	52	1.0	17	52	23
11104-28-2	Aroclor-1221	U	52	1.0	17	52	28
11141-16-5	Aroclor-1232	U	52	1.0	17	52	16
53469-21-9	Aroclor-1242	U	52	1.0	17	52	21
12672-29-6	Aroclor-1248	U	52	1.0	17	52	18
11097-69-1	Aroclor-1254	U	52	1.0	17	52	40
11096-82-5	Aroclor-1260		75	1.0	17	52	13
877-09-8	Tetrachloro-m-xylene		83%				
2051-24-3	Decachlorobiphenyl		78%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/28/05
Analysis Date: 01-NOV-2005 14:44
Report Date: 11/02/2005
Matrix: SOIL
% Solids: 38.1

Lab ID: WV5605-14
Client ID: SD-31-SS
SDG: MID-6
Extracted by: GN
Extraction Method: SW846 3550
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG22135
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	44	1.0	17	44	20
11104-28-2	Aroclor-1221	U	44	1.0	17	44	24
11141-16-5	Aroclor-1232	U	44	1.0	17	44	14
53469-21-9	Aroclor-1242	U	44	1.0	17	44	18
12672-29-6	Aroclor-1248	U	44	1.0	17	44	15
11097-69-1	Aroclor-1254	U	44	1.0	17	44	34
11096-82-5	Aroclor-1260		170	1.0	17	44	11
877-09-8	Tetrachloro-m-xylene		86%				
2051-24-3	Decachlorobiphenyl		78%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/28/05
Analysis Date: 01-NOV-2005 21:20
Report Date: 11/02/2005
Matrix: SOIL
% Solids: 20.0

Lab ID: WV5605-17
Client ID: SD-32-SS
SDG: MID-6
Extracted by: GN
Extraction Method: SW846 3550
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG22135
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	85	1.0	17	85	38
11104-28-2	Aroclor-1221	U	85	1.0	17	85	45
11141-16-5	Aroclor-1232	U	85	1.0	17	85	26
53469-21-9	Aroclor-1242	U	85	1.0	17	85	34
12672-29-6	Aroclor-1248	U	85	1.0	17	85	29
11097-69-1	Aroclor-1254	U	85	1.0	17	85	64
11096-82-5	Aroclor-1260		620	1.0	17	85	21
877-09-8	Tetrachloro-m-xylene		72%				
2051-24-3	Decachlorobiphenyl		62%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/28/05
Analysis Date: 01-NOV-2005 16:38
Report Date: 11/02/2005
Matrix: SOIL
% Solids: 24.5

Lab ID: WV5605-18
Client ID: SD-33-SS
SDG: MID-6
Extracted by: GN
Extraction Method: SW846 3550
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG22135
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	69	1.0	17	69	31
11104-28-2	Aroclor-1221	U	69	1.0	17	69	37
11141-16-5	Aroclor-1232	U	69	1.0	17	69	22
53469-21-9	Aroclor-1242	U	69	1.0	17	69	27
12672-29-6	Aroclor-1248	U	69	1.0	17	69	23
11097-69-1	Aroclor-1254	U	69	1.0	17	69	52
11096-82-5	Aroclor-1260		720	1.0	17	69	17
877-09-8	Tetrachloro-m-xylene		76%				
2051-24-3	Decachlorobiphenyl		65%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/28/05
Analysis Date: 01-NOV-2005 17:06
Report Date: 11/02/2005
Matrix: SOIL
% Solids: 39.3

Lab ID: WV5605-19
Client ID: SD-34-SS
SDG: MID-6
Extracted by: GN
Extraction Method: SW846 3550
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG22135
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	43	1.0	17	43	19
11104-28-2	Aroclor-1221	U	43	1.0	17	43	23
11141-16-5	Aroclor-1232	U	43	1.0	17	43	13
53469-21-9	Aroclor-1242	U	43	1.0	17	43	17
12672-29-6	Aroclor-1248	U	43	1.0	17	43	14
11097-69-1	Aroclor-1254	U	43	1.0	17	43	33
11096-82-5	Aroclor-1260		290	1.0	17	43	11
877-09-8	Tetrachloro-m-xylene		82%				
2051-24-3	Decachlorobiphenyl		76%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/28/05
Analysis Date: 01-NOV-2005 17:34
Report Date: 11/02/2005
Matrix: SOIL
% Solids: 26.6

Lab ID: WV5605-20
Client ID: SD-35-SS
SDG: MID-6
Extracted by: GN
Extraction Method: SW846 3550
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG22135
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	64	1.0	17	64	28
11104-28-2	Aroclor-1221	U	64	1.0	17	64	34
11141-16-5	Aroclor-1232	U	64	1.0	17	64	20
53469-21-9	Aroclor-1242	U	64	1.0	17	64	25
12672-29-6	Aroclor-1248	U	64	1.0	17	64	22
11097-69-1	Aroclor-1254	U	64	1.0	17	64	48
11096-82-5	Aroclor-1260		370	1.0	17	64	16
877-09-8	Tetrachloro-m-xylene		72%				
2051-24-3	Decachlorobiphenyl		73%				

Appendix C

Support Documentation

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
OS	%	SD-29-SS	WV5605-10	NM	10/21/2005	10/27/2005	10/30/2005	6	3	9
OS	%	SD-30-SS	WV5605-13	NM	10/21/2005	10/26/2005	10/29/2005	5	3	8
OS	%	SD-31-01	WV5605-15	NM	10/21/2005	10/26/2005	10/29/2005	5	3	8
OS	%	SD-32-SS	WV5605-17	NM	10/21/2005	10/26/2005	10/29/2005	5	3	8
OS	%	SD-35-SS	WV5605-20	NM	10/21/2005	10/26/2005	10/29/2005	5	3	8
OS	%	SD-29-02	WV5605-12	NM	10/21/2005	10/27/2005	10/30/2005	6	3	9
OS	%	SD-33-SS	WV5605-18	NM	10/21/2005	10/26/2005	10/29/2005	5	3	8
OS	%	SD-31-02	WV5605-16	NM	10/21/2005	10/26/2005	10/29/2005	5	3	8
OS	%	SD-34-SS	WV5605-19	NM	10/21/2005	10/26/2005	10/29/2005	5	3	8
OS	%	SD-25-SS	WV5605-2	NM	10/21/2005	10/27/2005	10/31/2005	6	4	10
OS	%	SD-31-SS	WV5605-14	NM	10/21/2005	10/26/2005	10/29/2005	5	3	8
OS	%	SD-29-01	WV5605-11	NM	10/21/2005	10/27/2005	10/30/2005	6	3	9
OS	%	SD-26-SS	WV5605-3	NM	10/21/2005	10/27/2005	10/31/2005	6	4	10
OS	%	SD-24-SS	WV5605-1	NM	10/21/2005	10/27/2005	10/31/2005	6	4	10
OS	%	SD-27-01	WV5605-5	NM	10/21/2005	10/27/2005	10/31/2005	6	4	10
OS	%	SD-27-02	WV5605-6	NM	10/21/2005	10/27/2005	10/30/2005	6	3	9
OS	%	SD-27-SS	WV5605-4	NM	10/21/2005	10/27/2005	10/31/2005	6	4	10
OS	%	SD-28-01	WV5605-8	NM	10/21/2005	10/27/2005	10/30/2005	6	3	9

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
OS	%	SD-28-02	WV5605-9	NM	10/21/2005	10/27/2005	10/30/2005	6	3	9
OS	%	SD-28-SS	WV5605-7	NM	10/21/2005	10/27/2005	10/30/2005	6	3	9
OS	UG/KG	SD-30-SS	WV5605-13	NM	10/21/2005	10/26/2005	10/29/2005	5	3	8
OS	UG/KG	SD-28-01	WV5605-8	NM	10/21/2005	10/27/2005	10/30/2005	6	3	9
OS	UG/KG	SD-25-SS	WV5605-2	NM	10/21/2005	10/27/2005	10/31/2005	6	4	10
OS	UG/KG	SD-26-SS	WV5605-3	NM	10/21/2005	10/27/2005	10/31/2005	6	4	10
OS	UG/KG	SD-27-01	WV5605-5	NM	10/21/2005	10/27/2005	10/31/2005	6	4	10
OS	UG/KG	SD-27-02	WV5605-6	NM	10/21/2005	10/27/2005	10/30/2005	6	3	9
OS	UG/KG	SD-27-SS	WV5605-4	NM	10/21/2005	10/27/2005	10/31/2005	6	4	10
OS	UG/KG	SD-24-SS	WV5605-1	NM	10/21/2005	10/27/2005	10/31/2005	6	4	10
OS	UG/KG	SD-28-02	WV5605-9	NM	10/21/2005	10/27/2005	10/30/2005	6	3	9
OS	UG/KG	SD-28-SS	WV5605-7	NM	10/21/2005	10/27/2005	10/30/2005	6	3	9
OS	UG/KG	SD-29-01	WV5605-11	NM	10/21/2005	10/27/2005	10/30/2005	6	3	9
OS	UG/KG	SD-29-SS	WV5605-10	NM	10/21/2005	10/27/2005	10/30/2005	6	3	9
OS	UG/KG	SD-31-01	WV5605-15	NM	10/21/2005	10/26/2005	10/29/2005	5	3	8
OS	UG/KG	SD-31-02	WV5605-16	NM	10/21/2005	10/26/2005	10/29/2005	5	3	8
OS	UG/KG	SD-31-SS	WV5605-14	NM	10/21/2005	10/26/2005	10/29/2005	5	3	8
OS	UG/KG	SD-32-SS	WV5605-17	NM	10/21/2005	10/26/2005	10/29/2005	5	3	8

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
OS	UG/KG	SD-33-SS	WV5605-18	NM	10/21/2005	10/26/2005	10/29/2005	5	3	8
OS	UG/KG	SD-34-SS	WV5605-19	NM	10/21/2005	10/26/2005	10/29/2005	5	3	8
OS	UG/KG	SD-35-SS	WV5605-20	NM	10/21/2005	10/26/2005	10/29/2005	5	3	8
OS	UG/KG	SD-29-02	WV5605-12	NM	10/21/2005	10/27/2005	10/30/2005	6	3	9
OV	%	SD-31-SS	WV5605-14	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	%	SD-25-SS	WV5605-2	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	%	SD-24-SS	WV5605-1	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	%	SD-35-SSRA2	WV5605-20RA2	NM	10/21/2005	10/28/2005	10/28/2005	7	0	7
OV	%	SD-34-SSRA	WV5605-19RA	NM	10/21/2005	10/28/2005	10/28/2005	7	0	7
OV	%	SD-34-SS	WV5605-19	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	%	SD-33-SSRA	WV5605-18RA	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	%	SD-33-SS	WV5605-18	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	%	SD-32-SS	WV5605-17	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	%	SD-31-02	WV5605-16	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	%	SD-31-01RA	WV5605-15RA	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	%	SD-31-01	WV5605-15	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	%	SD-30-SS	WV5605-13	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	%	SD-29-SSRA	WV5605-10RA	NM	10/21/2005	10/28/2005	10/28/2005	7	0	7

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
OV	%	SD-28-02	WV5605-9	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	%	SD-26-SS	WV5605-3	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	%	SD-32-SSRA	WV5605-17RA	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	%	SD-29-SS	WV5605-10	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	%	SD-27-02	WV5605-6	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	%	SD-27-01	WV5605-5	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	%	SD-28-01	WV5605-8	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	%	SD-27-01RA	WV5605-5RA	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	%	SD-28-SS	WV5605-7	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	%	SD-28-SSRA	WV5605-7RA	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	%	SD-29-01	WV5605-11	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	%	SD-29-01RA	WV5605-11RA	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	%	SD-29-02	WV5605-12	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	%	SD-27-SS	WV5605-4	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	UG/KG	SD-30-SS	WV5605-13	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	UG/KG	SD-29-SSRA	WV5605-10RA	NM	10/21/2005	10/28/2005	10/28/2005	7	0	7
OV	UG/KG	SD-31-01	WV5605-15	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	UG/KG	SD-31-01RA	WV5605-15RA	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
OV	UG/KG	SD-31-02	WV5605-16	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	UG/KG	SD-32-SS	WV5605-17	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	UG/KG	SD-33-SS	WV5605-18	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	UG/KG	SD-33-SSRA	WV5605-18RA	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	UG/KG	SD-34-SS	WV5605-19	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	UG/KG	SD-35-SSRA2	WV5605-20RA2	NM	10/21/2005	10/28/2005	10/28/2005	7	0	7
OV	UG/KG	SD-29-SS	WV5605-10	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	UG/KG	SD-31-SS	WV5605-14	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	UG/KG	SD-34-SSRA	WV5605-19RA	NM	10/21/2005	10/28/2005	10/28/2005	7	0	7
OV	UG/KG	SD-26-SS	WV5605-3	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	UG/KG	SD-29-02	WV5605-12	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	UG/KG	SD-32-SSRA	WV5605-17RA	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	UG/KG	SD-25-SS	WV5605-2	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	UG/KG	SD-27-01	WV5605-5	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	UG/KG	SD-27-01RA	WV5605-5RA	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	UG/KG	SD-27-02	WV5605-6	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	UG/KG	SD-28-01	WV5605-8	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	UG/KG	SD-28-02	WV5605-9	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
OV	UG/KG	SD-28-SS	WV5605-7	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	UG/KG	SD-28-SSRA	WV5605-7RA	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	UG/KG	SD-29-01RA	WV5605-11RA	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	UG/KG	SD-27-SS	WV5605-4	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	UG/KG	SD-24-SS	WV5605-1	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	UG/KG	SD-29-01	WV5605-11	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
PCB	%	SD-35-SS	WV5605-20	NM	10/21/2005	10/28/2005	11/1/2005	7	4	11
PCB	%	SD-29-SS	WV5605-10	NM	10/21/2005	10/28/2005	10/31/2005	7	3	10
PCB	%	SD-31-01	WV5605-15	NM	10/21/2005	10/28/2005	11/1/2005	7	4	11
PCB	%	SD-31-SS	WV5605-14	NM	10/21/2005	10/28/2005	11/1/2005	7	4	11
PCB	%	SD-32-SS	WV5605-17	NM	10/21/2005	10/28/2005	11/1/2005	7	4	11
PCB	%	SD-34-SS	WV5605-19	NM	10/21/2005	10/28/2005	11/1/2005	7	4	11
PCB	%	SD-29-02	WV5605-12	NM	10/21/2005	10/28/2005	11/1/2005	7	4	11
PCB	%	SD-30-SS	WV5605-13	NM	10/21/2005	10/28/2005	11/1/2005	7	4	11
PCB	%	SD-33-SS	WV5605-18	NM	10/21/2005	10/28/2005	11/1/2005	7	4	11
PCB	%	SD-24-SS	WV5605-1	NM	10/21/2005	10/25/2005	10/28/2005	4	3	7
PCB	%	SD-28-SS	WV5605-7	NM	10/21/2005	10/28/2005	10/31/2005	7	3	10
PCB	%	SD-28-02	WV5605-9	NM	10/21/2005	10/28/2005	10/31/2005	7	3	10

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
PCB	%	SD-28-01	WV5605-8	NM	10/21/2005	10/28/2005	10/31/2005	7	3	10
PCB	%	SD-27-SSDL	WV5605-4DL	NM	10/21/2005	10/28/2005	10/31/2005	7	3	10
PCB	%	SD-27-02	WV5605-6	NM	10/21/2005	10/28/2005	10/31/2005	7	3	10
PCB	%	SD-27-01	WV5605-5	NM	10/21/2005	10/28/2005	10/30/2005	7	2	9
PCB	%	SD-26-SS	WV5605-3	NM	10/21/2005	10/28/2005	10/30/2005	7	2	9
PCB	%	SD-25-SS	WV5605-2	NM	10/21/2005	10/28/2005	10/30/2005	7	2	9
PCB	%	SD-31-02	WV5605-16	NM	10/21/2005	10/28/2005	11/1/2005	7	4	11
PCB	%	SD-29-01	WV5605-11	NM	10/21/2005	10/28/2005	11/1/2005	7	4	11
PCB	UG/KG	SD-30-SS	WV5605-13	NM	10/21/2005	10/28/2005	11/1/2005	7	4	11
PCB	UG/KG	SD-31-01	WV5605-15	NM	10/21/2005	10/28/2005	11/1/2005	7	4	11
PCB	UG/KG	SD-31-02	WV5605-16	NM	10/21/2005	10/28/2005	11/1/2005	7	4	11
PCB	UG/KG	SD-31-SS	WV5605-14	NM	10/21/2005	10/28/2005	11/1/2005	7	4	11
PCB	UG/KG	SD-32-SS	WV5605-17	NM	10/21/2005	10/28/2005	11/1/2005	7	4	11
PCB	UG/KG	SD-33-SS	WV5605-18	NM	10/21/2005	10/28/2005	11/1/2005	7	4	11
PCB	UG/KG	SD-29-SS	WV5605-10	NM	10/21/2005	10/28/2005	10/31/2005	7	3	10
PCB	UG/KG	SD-35-SS	WV5605-20	NM	10/21/2005	10/28/2005	11/1/2005	7	4	11
PCB	UG/KG	SD-27-02	WV5605-6	NM	10/21/2005	10/28/2005	10/31/2005	7	3	10
PCB	UG/KG	SD-34-SS	WV5605-19	NM	10/21/2005	10/28/2005	11/1/2005	7	4	11

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
PCB	UG/KG	SD-29-02	WV5605-12	NM	10/21/2005	10/28/2005	11/1/2005	7	4	11
PCB	UG/KG	SD-29-01	WV5605-11	NM	10/21/2005	10/28/2005	11/1/2005	7	4	11
PCB	UG/KG	SD-28-SS	WV5605-7	NM	10/21/2005	10/28/2005	10/31/2005	7	3	10
PCB	UG/KG	SD-28-02	WV5605-9	NM	10/21/2005	10/28/2005	10/31/2005	7	3	10
PCB	UG/KG	SD-27-SSDL	WV5605-4DL	NM	10/21/2005	10/28/2005	10/31/2005	7	3	10
PCB	UG/KG	SD-27-01	WV5605-5	NM	10/21/2005	10/28/2005	10/30/2005	7	2	9
PCB	UG/KG	SD-26-SS	WV5605-3	NM	10/21/2005	10/28/2005	10/30/2005	7	2	9
PCB	UG/KG	SD-25-SS	WV5605-2	NM	10/21/2005	10/28/2005	10/30/2005	7	2	9
PCB	UG/KG	SD-24-SS	WV5605-1	NM	10/21/2005	10/25/2005	10/28/2005	4	3	7
PCB	UG/KG	SD-28-01	WV5605-8	NM	10/21/2005	10/28/2005	10/31/2005	7	3	10

SDG NARRATIVE
KATAHDIN ANALYTICAL SERVICES
TETRA TECH NUS
CASE MIDDLE RIVER
SDG: MID-6

Sample Receipt

The following samples were received on October 22, 2005 and were logged in under Katahdin Analytical Services work order number WV5605 for a hardcopy due date of October 28, 2005.

KATAHDIN Sample No.	TTNUS Sample Identification
WV5605-1	SD-24-SS
WV5605-2	SD-25-SS
WV5605-3	SD-26-SS
WV5605-4	SD-27-SS
WV5605-5	SD-27-01
WV5605-6	SD-27-02
WV5605-7	SD-28-SS
WV5605-8	SD-28-01
WV5605-9	SD-28-02
WV5605-10	SD-29-SS
WV5605-11	SD-29-01
WV5605-12	SD-29-02
WV5605-13	SD-30-SS
WV5605-14	SD-31-SS
WV5605-15	SD-31-01
WV5605-16	SD-31-02
WV5605-17	SD-32-SS
WV5605-18	SD-33-SS
WV5605-19	SD-34-SS
WV5605-20	SD-35-SS

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 MID-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, U.S. EPA, for the specific methods listed below or on the Report of Analysis. Samples WV5605-3, 4, and 16 were used for the matrix spike (MS) and matrix spike duplicate (MSD), per the client's request. Some manual integrations may have been performed due to split peaks and/or corrected baselines. All have been flagged with a "M" (software-generated) on the pertinent quantitation reports.

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 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.

One or more target analytes may have been detected above the MDL in some method blanks. Any of these analytes that were also detected in any of the associated samples were flagged with a "B" qualifier indicating that the analyte was detected in the method blank analyzed and/or extracted concurrently with the sample.

The LCS WG22183-1 had greater than ten percent of the spiked analytes with recoveries that were high and outside of the laboratory established acceptance limits. Since the LCS is associated only with the MS/MSD, the MS/MSD were not reanalyzed.

The analysis of samples labeled WV5605-10RA and 15 had low responses for one or more internal standards, which were outside the laboratory acceptance limit of -50% to 100% of the response of the internal standard of the daily calibration verification standard. The initial analysis of WV5605-10 had a low recovery for one surrogate, while the reanalysis of sample WV5605-15 had both low responses for internal standards and low recoveries for surrogates. The results for both analyses are reported.

The analysis of samples WV5605-5, 7, 10, 11, 11RA, 17, 17RA, 18, and 19 had low recoveries for one or more surrogates, which were outside of the laboratory established acceptance limits. The second analysis of these samples also low surrogate recoveries. The results for both analyses are reported.

The analysis of samples WV5605-5RA, 7RA, 15RA, 19RA and 20 had low responses for one or more internal standards, which were outside the laboratory acceptance limit of -50% to 100% of the response of the internal standard of the daily calibration verification standard. These analyses also had low surrogate recoveries. The second analyses of these samples also had both low

internal standard responses and low surrogate recoveries. The results for both analyses are reported.

The first analysis of sample WV5605-20 low responses for all four internal standards, which were outside the laboratory acceptance limit of -50% to 100% of the response of the internal standard of the daily calibration verification standard. The second analysis of this sample had a low recovery for one surrogate. The third analysis of this sample, WV5605-20RA2, also had a low recovery for one surrogate. The result for WV5605-20RA2 is included in the report.

8082 Analysis

Sample WV5605-1, the method blank, WG22135-1, and the laboratory control samples, WG21992-2RA and 3RA, had high recoveries for the extraction surrogate TCX on one or both channels, which were outside of the laboratory established acceptance limits. Since the recoveries for DCB were acceptable on both channels, the associated samples were not reextracted.

Samples WV5605-7, 8 and 11, had high recoveries for the extraction surrogate DCB on channel B, which was outside of the laboratory established acceptance limits. Since the recoveries for TCX on both channels and DCB on channel A were acceptable, the samples were not reextracted.

The MS/MSD, WG22135-3 and 4, had high recoveries for Aroclor 1016 and low recoveries for Aroclor 1260, which were outside of the laboratory established acceptance limits. Based on the sample chromatograms, the discrepancies are likely due to the matrix of the sample. Since the associated LCS was acceptable, no corrective action was taken.

The MS/MSD, WG22135-5 and 6, had high recoveries for Aroclor 1260 and Aroclor 1016, which were outside of the laboratory established acceptance limits. The concentrations in the MS and MSD were high and outside of the calibration range. The discrepancies are likely due the high concentration of Aroclor 1260 in the native sample, WV5605-4 and also due to the matrix of the sample. The laboratory policy is not to reanalyze MS and MSD's for dilutions. These samples also had high recoveries for TCX and/or DCB on one channel, which were outside of the laboratory established acceptance limits.

The MS/MSD, WG22135-7 and 8, had high recoveries for Aroclor 1016, which were outside of the laboratory established acceptance limits. Based on the sample chromatograms, the discrepancies are likely due to the matrix of the sample. These samples also had high recoveries for TCX and/or DCB on one channel, which were outside of the laboratory established acceptance limits. Since the associated LCS was acceptable, no corrective action was taken.

The CV standards (files 6VJ8002, 6VK2040 and 6VK2048) had high responses for DCB on channel B, which resulted in %D's that were outside of the method acceptance limits of 15%. Since the responses were acceptable on channel A, the associated samples were not reanalyzed.

The CV standards (files 6VJ7115, 6VK1002, 6VK1040 and 6VK1048) had high responses for TCX on channel A, which resulted in %D's that were outside of the method acceptance limits of 15%. Since the responses were acceptable on channel B, the associated samples were not reanalyzed.

The CV standards (files 6VJ7034 and 6VJ8034) had high responses for Aroclor 1016 on both channels and Aroclor 1260 on channel B, which resulted in %D's that were outside of the method acceptance limits of 15%. Since a high response would indicate a high bias and Aroclor 1016 was not detected in the associated sample above the PQL and the response for Aroclor 1260 was acceptable on channel A, the associated samples were not reanalyzed.

The closing CV standards (files 6VJ7098 and 6VJ8098) had high responses for Aroclor 1016, Aroclor 1260 and DCB on both channels and TCX on channel A, which resulted in %D's that were outside of the method acceptance limits of 15%. Since the opening CV's had acceptable responses, the associated samples were not reanalyzed.

The Form 7 for the CV's (files 6VJ7034, 6VJ8034, 6VJ8098, 6VK1026 and 6VK2026) are flagged for the surrogates TCX and/or DCB indicating that the %D is greater than the method acceptance limit of 15%. With the exception of DCB on channel B for file 6VJ8098, which was high, 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.

8270C 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 initial calibration analyzed on 10/07/05 on the K instrument had %RSD values for several analyte that exceeded the method acceptance limit of 15%. For these analytes, either a linear or quadratic model was used for quantitation instead of an average response factor. The target analytes hexachlorocyclopentadiene, 2-chloronaphthalene 4-nitrophenol and benzidine 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 none of the associated samples detected any of the aforementioned target analytes above the PQL, the samples were not reanalyzed.

The initial calibration analyzed on 10/22/05 on the X instrument had %RSD values for several analytes that exceeded the method acceptance limit of 15%. For these analytes, either a linear or quadratic model was used for quantitation instead of an average response factor. The target analytes benzoic acid, 2-chloronaphthalene, 4-nitrophenol, and 2,4-dinitrophenol 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 none of the associated samples detected any of the aforementioned target analytes above the PQL, the samples were not reanalyzed.

The initial calibration analyzed on 10/29/05 on the X instrument had %RSD values for eight analytes that exceeded the method acceptance limit of 15%. For these analytes, a linear or

quadratic model was used for quantitation instead of an average response factor. The target analytes N-nitroso-di-n-propylamine, hexachlorocyclopentadiene, 2-chloronaphthalene, anthracene, benzidine, pyrene, and the surrogate terphenyl-d14 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.

The initial calibration standard (file X9008) had a response for the internal standards perylene-d12, which was low and outside the method acceptance limits of -50% to +100% of the responses of the internal standard of the mid-point level calibration standard from the initial calibration performed on 10/29/05.

Samples WV5605-1, 3, 5, 6, 8, 9, 10, 12, 14, 15, 17 and 18 had high and/or low recoveries for one or more surrogates, which were outside the laboratory established acceptance limits. Samples WV5605-1, 2, 4, 7, 10, 11, 13, and 19 had low responses for one or more internal standards, which were outside the laboratory acceptance limit of -50% to 100% of the response of the internal standard of the daily calibration verification standard. The laboratory method blanks WG21977-1 and WG22096-1 and MSD WG22096-4 had low or high recoveries for one surrogate. The MS WG21977-4, WG22096-3 and WG22096-5 and the MSD WG22096-4 and 6 had low responses for one or more internal standards. The client was contacted and notified the laboratory to accept the data as long as the surrogate recoveries were greater than 15%, and the internal standard responses were at least 15% of the internal standard of the daily calibration verification standard. Since the surrogate recoveries and internal standard responses met these criteria, these samples were not reextracted.

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

Metals Analysis

The samples of Katahdin SDG MID-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 Atomic Emission Spectrometric Analysis (ICP)

Solid-matrix Katahdin Sample Nos. WV5605-(1-20) were digested for ICP analysis on 10/27/05 (QC Batch VJ27ICS0) in accordance with USEPA Method 3050B. Katahdin Sample Nos. WV5605-(2, 4, and 16) were prepared with duplicate matrix-spiked aliquots.

ICP analyses of SDG MID-6 sample digestates were performed using a Thermo Jarrell Ash Trace ICP spectrometer in accordance with USEPA Method 6010B. All samples were analyzed within holding times and all analytical run QC criteria were met.

Analysis of Mercury by Cold Vapor Atomic Absorption (CVAA)

Solid-matrix Katahdin Sample Nos. WV5605-(1-20) were digested for mercury analysis on 10/26/05 (QC Batch VJ26HGS0) in accordance with USEPA Method 7471A. Katahdin Sample Nos. WV5605-(2, 4, and 16) were prepared with duplicate matrix-spiked aliquots.

Mercury analyses of Katahdin SDG MID-6 sample digestates were performed using a Cetac M6100 automated mercury analyzer in accordance with USEPA Method 7471A. All samples were analyzed within holding times and all analytical run QC criteria were met.

Matrix QC Summary

Both of the matrix-spiked aliquots of Katahdin Sample No. WV5605-2 are outside the laboratory's acceptance criteria (75% - 125% recovery of the added element, if the native concentration is less than four times the amount added) for antimony.

The matrix-spike duplicate analysis of Katahdin Sample No. WV5605-2 is within the laboratory's acceptance limit (<20% relative difference between duplicate matrix-spiked aliquots) for all analytes.

Both of the matrix-spiked aliquots of Katahdin Sample No. WV5605-4 are outside the laboratory's acceptance criteria (75% - 125% recovery of the added element, if the native concentration is less than four times the amount added) for antimony and mercury.

The matrix-spike duplicate analysis of Katahdin Sample No. WV5605-4 is outside the laboratory's acceptance limit (<20% relative difference between duplicate matrix-spiked aliquots) for antimony.

One or both of the matrix-spiked aliquots of Katahdin Sample No. WV5605-16 are outside the laboratory's acceptance criteria (75% - 125% recovery of the added element, if the native concentration is less than four times the amount added) for antimony, chromium, copper, and mercury.

The matrix-spike duplicate analysis of Katahdin Sample No. WV5605-16 is outside the laboratory's acceptance limit (<20% relative difference between duplicate matrix-spiked aliquots) for copper.

Low matrix spike recoveries for antimony in soil samples are common, and are attributed to loss of insoluble antimony compounds during filtration of the digestates. Sample inhomogeneity may also be a factor in these matrix spike failures.

The serial dilution analyses of Katahdin Sample Nos. WV5605-(2 and 4) are within the laboratory's ICP serial dilution acceptance limit (<10% difference between the original sample result and the result for a 5-fold dilution of the sample, if the result for the dilution is at least ten times the instrument detection limit) for all analytes.

The serial dilution analysis of Katahdin Sample No. WV5605-16 is outside the laboratory's ICP serial dilution acceptance limit (<10% difference between the original sample result and the result

for a 5-fold dilution of the sample, if the result for the dilution is at least ten times the instrument detection limit) for copper.

Wet Chemistry Analysis

The samples of SDG MID-6 were analyzed in accordance with the specific methods listed on the Report of Analysis.

Analyses for hexavalent chromium were performed according to "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, U.S. EPA.

Analyses for Total organic Carbon (TOC) were performed according to "Determination of Total Organic Carbon in Sediment", Lloyd Kahn, USEPA Region II, 7/88.

Analyses for total solids were performed according to "U.S. EPA Contract Laboratory Program Statement of Work for Inorganic Analysis", SOW 7/88.

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 time. All quality control criteria were met, with the following exceptions:

The recoveries of hexavalent chromium from the matrix spike aliquots of Katahdin Sample Nos. WV5605-2 (46%), WV5605-4 (46%) and WV5605-16 (45%) are outside the laboratory's acceptance limits of 75% - 125%. Low matrix spike recoveries for hexavalent chromium may indicate the presence of reducing conditions in the sample.

The recoveries of TOC from the matrix spike (166%) and matrix spike duplicate (126%) aliquots of Katahdin Sample No. WV5605-2 are outside the laboratory's acceptance limits of 75% - 125%. The recovery of TOC from the matrix spike (129%) aliquot of Katahdin Sample No. WV5605-4 is outside the laboratory's acceptance limits of 75% - 125%.

No other deviations were noted by the Wet Chemistry group.

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
11.7.05

Leslie Dimond
Quality Assurance Officer

Katahdin ANALYTICAL SERVICES
340 County Road No. 5
P.O. Box 720
Westbrook, ME 04092
Tel: (207) 874-2400
Fax: (207) 775-4029

CHAIN of CUSTODY

PLEASE BEAR DOWN AND PRINT LEGIBLY IN PEN

Client: Tetra Tech NUS, Inc.	Contact: Mike Martin	Phone #: (301) 528 3033	Fax #: (301) 528 3000
Address: 20251 Century Blvd	City: Germantown	State: Md	Zip Code: 20878
Purchase Order #	Proj. Name / No.: LMC - MRC	Katahdin Quote #	
Bill (if different than above): SAME AS ABOVE	Address		
Sampler (Print / Sign): Fred Kolberg FLK		Copies To:	

LAB USE ONLY — WORK ORDER #: WV5604 WV5605
KATAHDIN PROJECT NUMBER

REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT

AIRBILL NO:

TEMP°C ____ ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	Filt. ☐Y ☒N VOCs 8 oz Glass/40z Vial	Filt. ☐Y ☒N P.P. metals 4 oz Glass	Filt. ☐Y ☒N TOC	Filt. ☐Y ☐N SVOCs PCBs 8 oz Glass	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N
SD-15-SS	10/21/05 / 13:20	SED	3	✓	✓		✓						
SD-17-SS	/ 11:30			✓	✓	✓	✓						
SD-18-SS	/ 12:50			✓	✓		✓						
SD-19-SS	/ 9:45			✓	✓	✓	✓						
SD-19-01	/ 10:00			✓	✓	✓	✓						
SD-19-02	/ 10:15			✓	✓	✓	✓						
SD-20-SS	/ 13:00			✓	✓		✓						
SD-21-SS	/ 11:25			✓	✓		✓						
SD-22-SS	/ 13:10			✓	✓		✓						
SD-23-SS	/ 12:40			✓	✓	✓	✓						
SD-24-SS	/ 11:50		↓	✓	✓		✓						
SD-25-SS	/ 11:20		6	✓	✓	✓	✓	+ MS/MSD volumes					
SD-26-SS	/ 12:30		3	✓	✓		✓						
SD-27-SS	/ 11:15		6	✓	✓	✓	✓	+ MS/MSD Volumes					
SD-27-01	/ 11:20		3	✓	✓		✓						
SD-27-02	↓ / 11:25	↓	3	✓	✓		✓						

COMMENTS

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
FLK 10/21/05	10/21/05 15:00	[signature] 10/22/05 1030			
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)

00000014

Katahdin ANALYTICAL SERVICES
340 County Road No. 5
P.O. Box 720
Westbrook, ME 04092
Tel: (207) 874-2400
Fax: (207) 775-4029

CHAIN of CUSTODY

PLEASE BEAR DOWN AND PRINT LEGIBLY IN PEN

Client: Tetra Tech NUS, Inc.	Contact: Mike Martin	Phone #: (301) 528 3033	Fax #: (301) 528 3000
Address: 20251 Century Blvd	City: Germantown	State: Md	Zip Code: 20874
Purchase Order #	Proj. Name / No.		Katahdin Quote #
Bill (if different than above): As Above	Address		
Sampler (Print / Sign): Fred Kolberg FK			Copies To:

LAB USE ONLY

WORK ORDER #: NV5605, NV5606

KATAHDIN PROJECT NUMBER

REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT

AIRBILL NO:

TEMP°C ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	VOCs 2oz/4oz Glass	P.P. METALS 4oz. Glass	TOC	SVOCs PCBs 8 oz Glass	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N
SD-28-SS	10/21/05 / 11:30	SED	3	✓	✓		✓						
SD-28-01	/ 11:35			✓	✓		✓						
SD-28-02	/ 11:40			✓	✓		✓						
SD-29-SS	/ 10:40			✓	✓		✓						
SD-29-01	/ 10:50			✓	✓		✓						
SD-29-02	/ 11:00			✓	✓		✓						
SD-30-SS	/ 11:05			✓	✓		✓						
SD-31-SS	/ 11:45			✓	✓		✓						
SD-31-01	/ 11:50			✓	✓		✓						
SD-31-02	/ 11:55		6	✓	✓	✓	✓		+ MS/MSD Volumes				
SD-32-SS	/ 12:20		3	✓	✓		✓						
SD-33-SS	/ 10:40		3	✓	✓	✓	✓						
SD-34-SS	/ 10:20		3	✓	✓		✓						
SD-35-SS	/ 10:10		3	✓	✓	✓	✓						
SD-36-SS	/ 10:30		3	✓	✓		✓						
SD-37-SS	/ 12:10		3	✓	✓		✓						

COMMENTS

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
FJK	10/21/05 13:00		10-22-05 1030		
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)

Katahdin ANALYTICAL SERVICES
340 County Road No. 5
P.O. Box 720
Westbrook, ME 04092
Tel: (207) 874-2400
Fax: (207) 775-4029

CHAIN of CUSTODY

PLEASE BEAR DOWN AND PRINT LEGIBLY IN PEN

ent	Contact	Phone #	Fax #
Tetra Tech NUS, Inc.	Mike Martin	(301) 528 3033	(301) 528 3000

dress	City	State	Zip Code
20251 Century Blv	Germantown	md	20874

rchase Order #	Proj. Name / No.	Katahdin Quote #
	LMC-MRC	

l (if different than above)	Address
Same as Above	

mpler (Print / Sign)	Copies To:
Fred Koeberg FHK	

AB USE ONLY WORK ORDER #: WV3606

KATAHDIN PROJECT NUMBER

EMARKS:

IIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT

RBILL NO:

EMP°C ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	ANALYSIS AND CONTAINER TYPE PRESERVATIVES: VOCs 3 oz/4oz Glass	P.R. METALS; Cr+6	TOC	SVOC/PCBs 8-oz Glass	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N
SD-38-SS	10/21/05 / 12:00	SED	3	✓	✓		✓						
SD-39-SS	/ 10:00			✓	✓	✓	✓						
SD-40-SS	/ 9:00			✓	✓	✓	✓						
SD-40-01	/ 9:15			✓	✓	✓	✓						
SD-40-02	/ 9:30			✓	✓	✓	✓						
SD-41 (FSK) -SS	/ 13:30			✓	✓								
SD-42-SS	/ 7:15			✓	✓								
SD-42-01	/ 7:30			✓	✓								
SD-42-02	/ 7:45			✓	✓								
TBIO2105	/	H2O	2	✓	✓								
	/												
	/												
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	/												
	/												

OMMENTS

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
FHK	10/21/05 15:00	FedEx		10/22/05 10:20	
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)

ORIGINAL

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Lab File ID: MB303 BFB Injection Date: 10/26/05

Instrument ID: GCMS-M BFB Injection Time: 0717

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.5
75	30.0 - 60.0% of mass 95	47.9
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	93.7
175	5.0 - 9.0% of mass 174	5.8 (6.2)1
176	95.0 - 101.0% of mass 174	89.8 (95.8)1
177	5.0 - 9.0% of mass 176	6.4 (7.1)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		VSTD050M26A	M9807	10/26/05	0745
02		VSTD005M26A	M9810	10/26/05	0940
03		VSTD200M26A	M9811	10/26/05	1019
04		VSTD100M26B	M9813	10/26/05	1158
05		VSTD020M26B	M9814	10/26/05	1302
06		VSTD010M26B	M9815	10/26/05	1340
07					
08					
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18					
19					
20					
21					
22					

FORM V VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project MIDDLE RIVER SDG No.: MID-6

Instrument ID: GCMS-M Calibration Date(s): 10/26/05 10/26/05

Column: RTX-VMS ID: 0.18 (mm) Calibration Time(s): 0745 1340

LAB FILE ID: RF5: M9810 RF10: M9815 RF20: M9814
RF50: M9807 RF100: M9813 RF200: M9811

COMPOUND	RF5	RF10	RF20	RF50	RF100	RF200	CURVE	COEFFICENTS A0	COEFFICENTS A1	COEFFICENTS A2	%RSD OR R^2	MAX %RSD OR R^2
Dichlorodifluoromethane	0.438	0.577	0.566	0.638	0.602	0.592	AVRG		0.56888000		12.125	15.000
Chloromethane	0.655	0.614	0.657	0.723	0.767	0.750	AVRG		0.69438814		8.769	15.000
Vinyl chloride	0.497	0.596	0.646	0.586	0.678	0.685	AVRG		0.61482352		11.483	15.000
Bromomethane	6065	10792	27270	93892	203100	452890	LINR	0.12374413	2.19598299		0.99816	0.99000
Chloroethane	0.292	0.310	0.330	0.302	0.379	0.287	AVRG		0.31663909		10.732	15.000
Trichlorofluoromethane	0.840	1.070	1.127	1.184	1.183	1.085	AVRG		1.08150268		11.805	15.000
Tertiary-butyl alcohol	277	441	36312	58417		272210	LINR	0.37642524	18.2007177		0.99579	0.99000
1,1-Dichloroethene	0.408	0.471	0.492	0.520	0.512	0.471	AVRG		0.47898330		8.371	15.000
Carbon Disulfide	1.368	1.577	1.601	1.776	1.758	1.551	AVRG		1.60513514		9.356	15.000
Freon-113	0.288	0.411	0.382	0.419	0.410	0.344	AVRG		0.37566767		13.582	15.000
Ethyl tertiary-butyl ethe	1.833	2.352	2.374	2.120	2.214	2.098	AVRG		2.16514593		9.190	15.000
Methylene Chloride	31593	43133	88269	146440	326950	611210	LINR	-0.1255473	1.69783669		0.99867	0.99000
Acetone	5729	4714	21674	45003	98531	196060	LINR	7.782e-002	25.6519688		0.99902	0.99000
trans-1,2-Dichloroethene	0.544	0.503	0.590	0.639	0.639	0.584	AVRG		0.58303997		9.185	15.000
Methyl tert-butyl ether	1.381	1.759	1.962	1.706	1.711	1.703	AVRG		1.70366269		10.942	15.000
Di-isopropyl ether	2.386	2.952	2.843	2.302	2.550	2.674	AVRG		2.61810998		9.716	15.000
1,1-Dichloroethane	1.036	1.191	1.203	1.216	1.214	1.201	AVRG		1.17677554		5.917	15.000
Vinyl Acetate	0.876	0.844	1.182	0.958	0.979	1.033	AVRG		0.97889382		12.372	15.000
cis-1,2-Dichloroethene	0.621	0.640	0.701	0.830	0.774	0.757	AVRG		0.72056154		11.274	15.000
1,2-Dichloroethylene (tot							AVRG					0.000
2,2-Dichloropropane	0.895	0.939	1.022	1.185	1.065	1.023	AVRG		1.02153820		9.932	15.000
Bromochloromethane	0.324	0.289	0.364	0.334	0.328	0.338	AVRG		0.32927179		7.380	15.000
Chloroform	1.150	1.248	1.316	1.512	1.435	1.366	AVRG		1.33782269		9.722	15.000
Carbon Tetrachloride	0.443	0.472	0.575	0.637	0.568	0.582	AVRG		0.54627757		13.463	15.000
1,1,1-Trichloroethane	0.929	1.030	1.128	1.323	1.179	1.127	AVRG		1.11949333		11.937	15.000
1,1-Dichloropropene	0.471	0.374	0.515	0.505	0.528	0.465	AVRG		0.47650926		11.747	15.000
2-Butanone	5506	10726	39776	64634	126240	311330	2ORDR	-0.3018770	21.4374911	-3.9513655	0.99549	0.99000
Benzene	1.322	1.259	1.449	1.418	1.404	1.449	AVRG		1.38364318		5.537	15.000
Tertiary-amyl methyl ethe	1.570	1.948	1.941	1.580	1.839	1.782	AVRG		1.77669471		9.477	15.000
1,2-Dichloroethane	0.517	0.509	0.640	0.570	0.603	0.638	AVRG		0.57954670		9.945	15.000
Trichloroethene	0.385	0.359	0.436	0.431	0.385	0.410	AVRG		0.40105757		7.471	15.000
Dibromomethane	0.271	0.259	0.329	0.300	0.308	0.315	AVRG		0.29708392		9.023	15.000
1,2-Dichloropropane	0.330	0.360	0.391	0.322	0.322	0.384	AVRG		0.35169816		8.905	15.000
Bromodichloromethane	0.581	0.529	0.720	0.608	0.593	0.610	AVRG		0.60694137		10.351	15.000
cis-1,3-dichloropropene	0.619	0.525	0.643	0.605	0.592	0.653	AVRG		0.60615288		7.552	15.000
2-Chloroethylvinylether	6733	13505	40959	82600	197260	361430	LINR	2.072e-002	4.68282779		0.99918	0.99000
Toluene	0.862	0.753	0.964	0.964	0.921	0.859	AVRG		0.88709746		9.057	15.000
4-methyl-2-pentanone	62737	137100	418630	815420	1822200	3343300	LINR	-3.86e-002	2.54792446		0.99905	0.99000
Tetrachloroethene	0.263	0.299	0.339	0.356	0.322	0.394	AVRG		0.32896818		13.843	15.000
trans-1,3-Dichloropropene	0.471	0.482	0.587	0.495	0.574	0.572	AVRG		0.53012146		9.967	15.000
Dibromochloromethane	0.396	0.476	0.567	0.523	0.498	0.603	AVRG		0.51040563		14.238	15.000
1,3-Dichloropropane	0.566	0.639	0.668	0.561	0.535	0.686	AVRG		0.60927507		10.362	15.000
1,2-Dibromoethane	0.333	0.320	0.457	0.403	0.388	0.417	AVRG		0.38621770		13.446	15.000
2-Hexanone	0.290	0.310	0.435	0.330	0.340	0.351	AVRG		0.34270017		14.573	15.000

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project MIDDLE RIVER SDG No.: MID-6

Instrument ID: GCMS-M Calibration Date(s): 10/26/05 10/26/05

Column: RTX-VMS ID: 0.18 (mm) Calibration Time(s): 0745 1340

LAB FILE ID: RF5: M9810 RF10: M9815 RF20: M9814
RF50: M9807 RF100: M9813 RF200: M9811

COMPOUND	RF5	RF10	RF20	RF50	RF100	RF200	CURVE	COEFFICENTS A0	COEFFICENTS A1	COEFFICENTS A2	%RSD OR R^2	MAX %RSD OR R^2
Chlorobenzene	1.108	1.130	1.229	1.200	1.128	1.275	AVRG		1.17810372		5.661	15.000
Ethylbenzene	1.647	1.724	2.086	1.942	1.835	2.127	AVRG		1.89361467		10.213	15.000
1,1,1,2-Tetrachloroethane	0.385	0.429	0.448	0.437	0.413	0.483	AVRG		0.43246910		7.671	15.000
Xylenes (total)							AVRG					0.000
m+p-Xylenes	0.640	0.707	0.738	0.652	0.633	0.752	AVRG		0.68709182		7.577	15.000
o-Xylene	0.660	0.616	0.704	0.744	0.606	0.774	AVRG		0.68414119		9.970	15.000
Styrene	1.028	1.038	1.256	1.170	1.037	1.218	AVRG		1.12447243		9.088	15.000
Bromoform	0.289	0.280	0.321	0.328	0.302	0.392	AVRG		0.31872093		12.601	15.000
Isopropylbenzene	3.916	3.658	3.720	3.940	3.350	3.948	AVRG		3.75543885		6.216	15.000
Bromobenzene	0.899	1.101	1.077	1.337	1.156	1.025	AVRG		1.09911476		13.236	15.000
N-Propylbenzene	4.396	4.811	5.286	5.838	5.520	4.742	AVRG		5.09875483		10.610	15.000
1,1,2,2-Tetrachloroethane	1.070	1.017	1.152	1.128	1.211	1.049	AVRG		1.10448395		6.550	15.000
2-Chlorotoluene	3.298	3.514	3.904	4.209	3.412	3.187	AVRG		3.58719248		10.912	15.000
1,2,3-Trichloropropane	28176	37128	70445	133020	219710	471740	LINR	-0.2104285	1.46154972		0.99425	0.99000
4-Chlorotoluene	2.867	2.911	3.179	3.711	3.320	2.813	AVRG		3.13353685		10.990	15.000
tert-Butylbenzene	38004	69603	170950	586750		2541600	LINR	5.275e-002	0.25196328		0.99769	0.99000
1,2,4-Trimethylbenzene	3.286	3.347	3.065	4.397	3.397	3.102	AVRG		3.43245627		14.304	15.000
P-Isopropyltoluene	3.797	3.211	3.218	4.083	3.813	3.413	AVRG		3.58916152		10.036	15.000
1,3-Dichlorobenzene	2.026	1.739	1.822	2.332	1.915	1.930	AVRG		1.96065595		10.536	15.000
1,4-Dichlorobenzene	1.757	1.577	1.891	2.304	1.720	1.684	AVRG		1.82199754		14.106	15.000
N-Butylbenzene	3.201	3.380	3.274	4.268	3.400	2.825	AVRG		3.39108160		14.072	15.000
sec-Butylbenzene	59574	141330	276660	776300	1618500	2434400	2ORDR	0.17086842	4.969e-002	1.364e-002	0.99431	0.99000
1,2-Dichlorobenzene	1.720	1.800	1.784	2.059	1.923	1.780	AVRG		1.84427796		6.749	15.000
1,2-Dibromo-3-Chloropropa	0.479	0.534	0.555	0.655	0.493	0.501	AVRG		0.53610681		12.045	15.000
Hexachlorobutadiene	0.542	0.610	0.605	0.827	0.654	0.690	AVRG		0.65486378		14.982	15.000
1,2,4-Trichlorobenzene	16673	27614	71027	223880	370420	758070	2ORDR	5.518e-002	0.63365823	4.757e-002	0.99315	0.99000
1,2,3-Trimethylbenzene	2.154	2.374	2.482	2.493	2.133	2.271	AVRG		2.31778865		6.786	15.000
Naphthalene	30164	72467	200230	433210	809900	1552400	LINR	-9.71e-002	0.41929941		0.99209	0.99000
1,2,3-Trichlorobenzene	0.893	1.069	1.118	1.343	1.053	0.994	AVRG		1.07838575		14.003	15.000
Dibromofluoromethane	0.676		0.804	0.870	0.814	0.778	AVRG		0.78881949		9.028	15.000
1,2-Dichloroethane-D4	0.749	0.885	0.889	0.786	0.825	0.868	AVRG		0.83384545		6.858	15.000
Toluene-D8	1.262	1.454	1.318	1.218	1.062	1.234	AVRG		1.25787121		10.212	15.000
P-Bromofluorobenzene	0.555	0.541	0.477	0.521	0.420	0.511	AVRG		0.50405671		9.780	15.000

FORM VI VOA

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Lab File ID: MB305 BFB Injection Date: 10/27/05

Instrument ID: GCMS-M BFB Injection Time: 0652

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	23.2
75	30.0 - 60.0% of mass 95	48.7
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	72.9
175	5.0 - 9.0% of mass 174	4.5 (6.2)1
176	95.0 - 101.0% of mass 174	73.6 (100.9)1
177	5.0 - 9.0% of mass 176	3.9 (5.3)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		VSTD050M27A	M9840	10/27/05	0719
02	WG22249-LCS	WG22249-1	M9842	10/27/05	0840
03	WG22249-BLANK	WG22249-2	M9844	10/27/05	1000
04	SD-29-01	WV5605-11	M9845	10/27/05	1041
05	SD-29-02	WV5605-12	M9846	10/27/05	1120
06	SD-30-SS	WV5605-13	M9847	10/27/05	1158
07	SD-31-SS	WV5605-14	M9848	10/27/05	1237
08	SD-31-01	WV5605-15	M9849	10/27/05	1315
09	SD-31-02	WV5605-16	M9850	10/27/05	1354
10	SD-32-SS	WV5605-17	M9851	10/27/05	1433
11	SD-33-SS	WV5605-18	M9852	10/27/05	1511
12	SD-34-SS	WV5605-19	M9853	10/27/05	1550
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Instrument ID: GCMS-M Calibration Date: 10/27/05 Time: 0719

Lab File ID: M9840 Init. Calib. Date(s): 10/26/05 10/26/05

Init. Calib. Times: 0745 1340

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	
Dichlorodifluoromethane	0.5690000	0.5316300	0.5316300	0.01	-6.57		AVRG	
Chloromethane	0.6940000	0.5948000	0.5948000	0.1	-14.29		AVRG	
Vinyl chloride	0.6150000	0.5797300	0.5797300	0.01	-5.74	20.00	AVRG	
Bromomethane	50.183000	50.000000	0.4006900	0.01	0.37		LINR	
Chloroethane	0.3170000	0.3311500	0.3311500	0.01	4.46		AVRG	
Trichlorofluoromethane	1.0820000	1.0922000	1.0922000	0.01	0.94		AVRG	
Tertiary-butyl alcohol	184.92000	250.00000	3.65e-002	0.01	26.03		LINR	
1,1-Dichloroethene	0.4790000	0.4783000	0.4783000	0.1	-0.15	20.00	AVRG	
Carbon Disulfide	1.6050000	1.5821000	1.5821000	0.01	-1.43		AVRG	
Freon-113	0.3760000	0.4007100	0.4007100	0.01	6.57		AVRG	
Ethyl tertiary-butyl ether	2.1650000	2.1741000	2.1741000	0.01	0.42		AVRG	
Methylene Chloride	47.043000	50.000000	0.6281000	0.01	-5.91		LINR	
Acetone	288.51000	250.00000	4.44e-002	0.01	15.40		LINR	
trans-1,2-Dichloroethene	0.5830000	0.5749600	0.5749600	0.01	-1.38		AVRG	
Methyl tert-butyl ether	1.7040000	1.7054000	1.7054000	0.01	0.08		AVRG	
Di-isopropyl ether	2.6180000	2.4913000	2.4913000	0.01	-4.84		AVRG	
1,1-Dichloroethane	1.1770000	1.1626000	1.1626000	0.3	-1.22		AVRG	
Vinyl Acetate	0.9790000	1.1030000	1.1030000	0.01	12.67		AVRG	
cis-1,2-Dichloroethene	0.7200000	0.6836200	0.6836200	0.01	-5.05		AVRG	
1,2-Dichloroethylene (total)	0.0000000	0.6292900	0.6292900	0.01	0.00		AVRG	<-
2,2-Dichloropropane	1.0220000	1.0306000	1.0306000	0.01	0.84		AVRG	
Bromochloromethane	0.3300000	0.2996600	0.2996600	0.01	-9.19		AVRG	
Chloroform	1.3380000	1.2882000	1.2882000	0.01	-3.72	20.00	AVRG	
Carbon Tetrachloride	0.5460000	0.5580700	0.5580700	0.01	2.21		AVRG	
1,1,1-Trichloroethane	1.1190000	1.1131000	1.1131000	0.01	-0.53		AVRG	
1,1-Dichloropropene	0.4760000	0.5145800	0.5145800	0.01	8.10		AVRG	
2-Butanone	347.88000	250.00000	7.26e-002	0.01	39.15		2RDR	
Benzene	1.3840000	1.3647000	1.3647000	0.01	-1.39		AVRG	
Tertiary-amyl methyl ether	1.7770000	1.8055000	1.8055000	0.01	1.60		AVRG	

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Instrument ID: GCMS-M Calibration Date: 10/27/05 Time: 0719

Lab File ID: M9840 Init. Calib. Date(s): 10/26/05 10/26/05

Init. Calib. Times: 0745 1340

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	
1,2-Dichloroethane	0.5800000	0.5760300	0.5760300	0.01	-0.68		AVRG	
Trichloroethene	0.4010000	0.4102700	0.4102700	0.01	2.31		AVRG	
Dibromomethane	0.2970000	0.3006800	0.3006800	0.01	1.24		AVRG	
1,2-Dichloropropane	0.3520000	0.3148600	0.3148600	0.01	-10.55	20.00	AVRG	
Bromodichloromethane	0.6070000	0.6095400	0.6095400	0.01	0.42		AVRG	
cis-1,3-dichloropropene	0.6060000	0.6116400	0.6116400	0.01	0.93		AVRG	
2-Chloroethylvinylether	47.772000	50.000000	0.1996100	0.01	-4.46		LINR	
Toluene	0.8870000	0.9448500	0.9448500	0.01	6.52	20.00	AVRG	
4-methyl-2-pentanone	289.75000	250.00000	0.4579000	0.01	15.90		LINR	
Tetrachloroethene	0.3290000	0.3686800	0.3686800	0.01	12.06		AVRG	
trans-1,3-Dichloropropene	0.5300000	0.5500800	0.5500800	0.01	3.79		AVRG	
Dibromochloromethane	0.5100000	0.5994700	0.5994700	0.01	17.54		AVRG	
1,3-Dichloropropane	0.6090000	0.6663500	0.6663500	0.01	9.42		AVRG	
1,2-Dibromoethane	0.3860000	0.4130100	0.4130100	0.01	7.00		AVRG	
2-Hexanone	0.3430000	0.4164500	0.4164500	0.01	21.41		AVRG	
Chlorobenzene	1.1780000	1.1896000	1.1896000	0.3	0.98		AVRG	
Ethylbenzene	1.8940000	2.2295000	2.2295000	0.01	17.71	20.00	AVRG	
1,1,1,2-Tetrachloroethane	0.4320000	0.4509100	0.4509100	0.01	4.38		AVRG	
Xylenes (total)	0.0000000	0.7993500	0.7993500	0.01	0.00		AVRG	<-
m+p-Xylenes	0.6870000	0.8171000	0.8171000	0.01	18.94		AVRG	
o-Xylene	0.6840000	0.7638400	0.7638400	0.01	11.67		AVRG	
Styrene	1.1240000	1.3956000	1.3956000	0.01	24.16		AVRG	
Bromoform	0.3190000	0.3742800	0.3742800	0.1	17.33		AVRG	
Isopropylbenzene	3.7550000	3.5870000	3.5870000	0.01	-4.47		AVRG	
Bromobenzene	1.0990000	1.2005000	1.2005000	0.01	9.24		AVRG	
N-Propylbenzene	5.0990000	5.9384000	5.9384000	0.01	16.46		AVRG	
1,1,2,2-Tetrachloroethane	1.1040000	1.1956000	1.1956000	0.3	8.30		AVRG	
2-Chlorotoluene	3.5870000	4.0854000	4.0854000	0.01	13.90		AVRG	
1,2,3-Trichloropropane	46.449000	50.000000	0.7795900	0.01	-7.10		LINR	

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Instrument ID: GCMS-M Calibration Date: 10/27/05 Time: 0719

Lab File ID: M9840 Init. Calib. Date(s): 10/26/05 10/26/05

Init. Calib. Times: 0745 1340

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
4-Chlorotoluene	3.1340000	3.1732000	3.1732000	0.01	1.25		AVRG
tert-Butylbenzene	55.014000	50.000000	4.1575000	0.01	10.03		LINR
1,2,4-Trimethylbenzene	3.4320000	3.5809000	3.5809000	0.01	4.34		AVRG
P-Isopropyltoluene	3.5890000	3.0740000	3.0740000	0.01	-14.35		AVRG
1,3-Dichlorobenzene	1.9610000	1.9593000	1.9593000	0.01	-0.09		AVRG
1,4-Dichlorobenzene	1.8220000	1.7596000	1.7596000	0.01	-3.42		AVRG
N-Butylbenzene	3.3910000	3.9486000	3.9486000	0.01	16.44		AVRG
sec-Butylbenzene	39.124000	50.000000	5.1180000	0.01	-21.75		2RDR
1,2-Dichlorobenzene	1.8440000	1.7731000	1.7731000	0.01	-3.84		AVRG
1,2-Dibromo-3-Chloropropane	0.5360000	0.5912600	0.5912600	0.01	10.31		AVRG
Hexachlorobutadiene	0.6550000	0.7276000	0.7276000	0.01	11.08		AVRG
1,2,4-Trichlorobenzene	47.239000	50.000000	1.2808000	0.01	-5.52		2RDR
1,2,3-Trimethylbenzene	2.3180000	2.0368000	2.0368000	0.01	-12.13		AVRG
Naphthalene	52.724000	50.000000	2.7464000	0.01	5.45		LINR
1,2,3-Trichlorobenzene	1.0780000	1.1089000	1.1089000	0.01	2.87		AVRG
Dibromofluoromethane	0.7880000	0.7547100	0.7547100	0.01	-4.22		AVRG
1,2-Dichloroethane-D4	0.8340000	0.8453900	0.8453900	0.01	1.36		AVRG
Toluene-D8	1.2580000	1.2860000	1.2860000	0.01	2.22		AVRG
P-Bromofluorobenzene	0.5040000	0.4949400	0.4949400	0.01	-1.80		AVRG

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: Middle River
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 27-OCT-2005 10:00
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 100

Lab ID: WG22249-2
Client ID: WG22249-Blank
SDG: MID-6
Extracted by:
Extraction Method: SW846 5035
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22249
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	10	1.0	10	10	2
74-87-3	Chloromethane	U	10	1.0	10	10	1.0
75-01-4	Vinyl chloride	U	10	1.0	10	10	2
74-83-9	Bromomethane	U	10	1.0	10	10	2
75-00-3	Chloroethane	U	10	1.0	10	10	1
75-69-4	Trichlorofluoromethane	U	10	1.0	10	10	2
75-65-0	Tertiary-butyl alcohol	U	10	1.0	10	10	7
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	1
75-15-0	Carbon Disulfide	U	5	1.0	5	5	2
76-13-1	Freon-113	U	5	1.0	5	5	2
637-92-3	Ethyl tertiary-butyl ether	U	5	1.0	5	5	0.3
75-09-2	Methylene Chloride	U	5	1.0	5	5	2
67-64-1	Acetone	U	25	1.0	25	25	4
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.9
1634-04-4	Methyl tert-butyl ether	U	10	1.0	10	10	0.7
108-20-3	Di-isopropyl ether	U	5	1.0	5	5	0.4
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	1
108-05-4	Vinyl Acetate	U	5	1.0	5	5	0.2
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.7
540-59-0	1,2-Dichloroethylene (total)	U	10	1.0	10	10	2
594-20-7	2,2-Dichloropropane	U	5	1.0	5	5	2
74-97-5	Bromochloromethane	U	5	1.0	5	5	1
67-66-3	Chloroform	U	5	1.0	5	5	0.8
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	1
563-58-6	1,1-Dichloropropene	U	5	1.0	5	5	1
78-93-3	2-Butanone	U	25	1.0	25	25	3
71-43-2	Benzene	U	5	1.0	5	5	0.8
994-05-8	Tertiary-amyl methyl ether	U	5	1.0	5	5	0.4
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.6
79-01-6	Trichloroethene	U	5	1.0	5	5	0.8
74-95-3	Dibromomethane	U	5	1.0	5	5	0.5
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.7
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.5
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.3
110-75-8	2-Chloroethylvinylether	U	5	1.0	5	5	1.0
108-88-3	Toluene	U	5	1.0	5	5	0.9
108-10-1	4-methyl-2-pentanone	U	25	1.0	25	25	4
127-18-4	Tetrachloroethene	U	5	1.0	5	5	1
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.6
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.5
142-28-9	1,3-Dichloropropane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.5

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: Middle River
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 27-OCT-2005 10:00
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 100

Lab ID: WG22249-2
Client ID: WG22249-Blank
SDG: MID-6
Extracted by:
Extraction Method: SW846 5035
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22249
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	25	1.0	25	25	4
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.7
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.8
630-20-6	1,1,1,2-Tetrachloroethane	U	5	1.0	5	5	0.5
1330-20-7	Xylenes (total)	U	15	1.0	15	15	2
	m+p-Xylenes	U	10	1.0	10	10	1
95-47-6	o-Xylene	U	5	1.0	5	5	0.6
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.6
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.8
108-86-1	Bromobenzene	U	5	1.0	5	5	1
103-65-1	N-Propylbenzene	U	5	1.0	5	5	0.7
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	1
95-49-8	2-Chlorotoluene	U	5	1.0	5	5	0.7
96-18-4	1,2,3-Trichloropropane	U	5	1.0	5	5	0.8
106-43-4	4-Chlorotoluene	U	5	1.0	5	5	0.5
98-06-6	tert-Butylbenzene	U	5	1.0	5	5	0.7
95-63-6	1,2,4-Trimethylbenzene	U	5	1.0	5	5	0.6
99-87-6	P-Isopropyltoluene	U	5	1.0	5	5	0.7
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.3
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.3
104-51-8	N-Butylbenzene	U	5	1.0	5	5	0.7
135-98-8	sec-Butylbenzene	U	5	1.0	5	5	1.0
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.3
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.8
87-68-3	Hexachlorobutadiene	U	5	1.0	5	5	0.8
120-82-1	1,2,4-Trichlorobenzene	J	3	1.0	5	5	0.9
526-73-8	1,2,3-Trimethylbenzene	U	5	1.0	5	5	0.3
91-20-3	Naphthalene	U	5	1.0	5	5	2
87-61-6	1,2,3-Trichlorobenzene	U	5	1.0	5	5	1
1868-53-7	Dibromofluoromethane		82%				
17060-07-0	1,2-Dichloroethane-D4		78%				
2037-26-5	Toluene-D8		68%				
460-00-4	P-Bromofluorobenzene		65%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

WG22249-Blank

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Matrix: (soil/water) SOIL Lab Sample ID: WG22249-2

Sample wt/vol: 5.000(g/mL) G Lab File ID: M9844

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/27/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: Middle River
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 10/27/05
Report Date: 11/01/2005
Matrix: SOIL

Lab ID: WG22249-1
Client ID: WG22249-LCS
SDG: MID-6
Extracted by:
Extraction Method: SW846 5035
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22249
Units: ug/Kg

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.		%REC.	QC. LIMITS
Dichlorodifluoromethane	50	NA	81		162	13-217
Chloromethane	50	NA	58		116	36-165
Vinyl chloride	50	NA	55		111	47-159
Bromomethane	50	NA	58		116	43-181
Chloroethane	50	NA	54		107	54-157
Trichlorofluoromethane	50	NA	56		113	62-138
Tertiary-butyl alcohol	250	NA	212		85	74-127
1,1-Dichloroethene	50	NA	54		107	68-141
Carbon Disulfide	50	NA	56		113	45-141
Freon-113	50	NA	52		103	62-142
Ethyl tertiary-butyl ether	50	NA	46		92	75-125
Methylene Chloride	50	NA	50		101	34-171
Acetone	50	NA	80		160	44-226
trans-1,2-Dichloroethene	50	NA	54		109	72-133
Methyl tert-butyl ether	100	NA	113		113	11-259
Di-isopropyl ether	50	NA	48		95	74-126
1,1-Dichloroethane	50	NA	52		105	75-130
Vinyl Acetate	50	NA	38		77	59-162
cis-1,2-Dichloroethene	50	NA	55		110	67-129
1,2-Dichloroethylene (total)	100	NA	110		110	70-130
2,2-Dichloropropane	50	NA	53		106	70-138
Bromochloromethane	50	NA	53		105	73-122
Chloroform	50	NA	50		100	73-127
Carbon Tetrachloride	50	NA	55		109	75-130
1,1,1-Trichloroethane	50	NA	56		113	71-129
1,1-Dichloropropene	50	NA	54		108	84-121
2-Butanone	50	NA	22		44	22-267
Benzene	50	NA	54		108	76-123
Tertiary-amyl methyl ether	50	NA	50		101	73-126
1,2-Dichloroethane	50	NA	57		113	80-123
Trichloroethene	50	NA	56		111	75-136
Dibromomethane	50	NA	55		111	83-121
1,2-Dichloropropane	50	NA	47		95	77-123
Bromodichloromethane	50	NA	48		96	78-107
cis-1,3-dichloropropene	50	NA	54		109	76-125
2-Chloroethylvinylether	50	NA	45		91	0-159
Toluene	50	NA	52		104	76-121
4-methyl-2-pentanone	50	NA	54		108	69-148
Tetrachloroethene	50	NA	65	*	130	87-114
trans-1,3-Dichloropropene	50	NA	60		120	80-136
Dibromochloromethane	50	NA	49		99	87-114
1,3-Dichloropropane	50	NA	50		101	86-113
1,2-Dibromoethane	50	NA	56		113	81-120
2-Hexanone	50	NA	62		124	67-157
Chlorobenzene	50	NA	59	*	117	90-111

FORM III VOA-2
M9842.D

Sample Data Summary A0000107

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: Middle River
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 10/27/05
Report Date: 11/01/2005
Matrix: SOIL

Lab ID: WG22249-1
Client ID: WG22249-LCS
SDG: MID-6
Extracted by:
Extraction Method: SW846 5035
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22249
Units: ug/Kg

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.		%REC.	QC. LIMITS
Ethylbenzene	50	NA	59	*	118	89-111
1,1,1,2-Tetrachloroethane	50	NA	52		105	89-110
Xylenes (total)	150	NA	169		113	91-113
m+p-Xylenes	100	NA	118	*	118	91-113
o-Xylene	50	NA	51		102	91-112
Styrene	50	NA	56		112	85-114
Bromoform	50	NA	54		109	92-113
Isopropylbenzene	50	NA	54		109	89-132
Bromobenzene	50	NA	49		98	87-109
N-Propylbenzene	50	NA	50		100	86-119
1,1,2,2-Tetrachloroethane	50	NA	44		87	77-119
2-Chlorotoluene	50	NA	51		102	78-120
1,2,3-Trichloropropane	50	NA	47		94	83-115
4-Chlorotoluene	50	NA	49		98	84-118
tert-Butylbenzene	50	NA	45		89	76-128
1,2,4-Trimethylbenzene	50	NA	48		97	83-118
P-Isopropyltoluene	50	NA	55		110	91-120
1,3-Dichlorobenzene	50	NA	52		104	90-113
1,4-Dichlorobenzene	50	NA	53		106	89-112
N-Butylbenzene	50	NA	52		103	80-122
sec-Butylbenzene	50	NA	37	*	73	86-118
1,2-Dichlorobenzene	50	NA	50		99	90-110
1,2-Dibromo-3-Chloropropane	50	NA	46		92	66-137
Hexachlorobutadiene	50	NA	52		105	80-117
1,2,4-Trichlorobenzene	50	NA	45		90	75-128
1,2,3-Trimethylbenzene	50	NA	51		102	80-126
Naphthalene	50	NA	54		108	72-117
1,2,3-Trichlorobenzene	50	NA	49		99	72-126

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Lab File ID (Standard): M9840 Date Analyzed: 10/27/05

Instrument ID: GCMS-M Time Analyzed: 0719

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

		IS1(PFB) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
12 HOUR STD		240228	9.19	394931	9.87	307866	13.04
UPPER LIMIT		480456	9.69	789862	10.37	615732	13.54
LOWER LIMIT		120114	8.69	197466	9.37	153933	12.54
	CLIENT SAMPLE ID	LAB SAMPLE ID					
01	WG22249-LCS	WG22249-1	229377	9.19	390425	9.87	319615	13.04
02	WG22249-BLANK	WG22249-2	211872	9.19	404304	9.88	285106	13.04
03	SD-29-01	WV5605-11	213222	9.18	425298	9.87	354390	13.04
04	SD-29-02	WV5605-12	240276	9.18	389518	9.88	307674	13.05
05	SD-30-SS	WV5605-13	239548	9.18	386434	9.88	309019	13.05
06	SD-31-SS	WV5605-14	230071	9.19	394900	9.87	310182	13.04
07	SD-31-01	WV5605-15	99080*	9.19	181456*	9.87	144838*	13.04
08	SD-31-02	WV5605-16	218921	9.18	395705	9.88	287529	13.04
09	SD-32-SS	WV5605-17	208278	9.19	334752	9.87	285255	13.04
10	SD-33-SS	WV5605-18	227744	9.18	356530	9.87	264188	13.04
11	SD-34-SS	WV5605-19	203618	9.19	350229	9.87	283915	13.04
12								
13								
14								
15								
16								
17								
18								
19								
20								

IS1 (PFB) = Pentafluorobenzene
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-D5

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 values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Lab File ID (Standard): M9840 Date Analyzed: 10/27/05

Instrument ID: GCMS-M Time Analyzed: 0719

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

		IS4(DCB) AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		138735	14.74				
UPPER LIMIT		277470	15.24				
LOWER LIMIT		69368	14.24				
	CLIENT SAMPLE ID	LAB SAMPLE ID					
01	WG22249-LCS	WG22249-1	157086	14.74				
02	WG22249-BLANK	WG22249-2	131877	14.74				
03	SD-29-01	WV5605-11	149641	14.74				
04	SD-29-02	WV5605-12	133850	14.74				
05	SD-30-SS	WV5605-13	128257	14.74				
06	SD-31-SS	WV5605-14	106804	14.74				
07	SD-31-01	WV5605-15	61405*	14.74				
08	SD-31-02	WV5605-16	116364	14.74				
09	SD-32-SS	WV5605-17	88726	14.74				
10	SD-33-SS	WV5605-18	82813	14.74				
11	SD-34-SS	WV5605-19	104227	14.74				
12								
13								
14								
15								
16								
17								
18								
19								
20								

IS4 (DCB) = 1,4-Dichlorobenzene-D4

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 values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Lab File ID: MB306 BFB Injection Date: 10/27/05

Instrument ID: GCMS-M BFB Injection Time: 1757

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	21.0
75	30.0 - 60.0% of mass 95	42.6
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.4
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	76.6
175	5.0 - 9.0% of mass 174	5.3 (6.9)1
176	95.0 - 101.0% of mass 174	74.8 (97.6)1
177	5.0 - 9.0% of mass 176	4.9 (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:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		VSTD050M27A	M9856	10/27/05	1824
02	WG22133-LCS	WG22133-1	M9858	10/27/05	1943
03	WG22133-BLANK	WG22133-2	M9860	10/27/05	2100
04	SD-25-SSMS	WG22133-3	M9870	10/28/05	0325
05	SD-25-SSMSD	WG22133-4	M9871	10/28/05	0403
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Instrument ID: GCMS-M Calibration Date: 10/27/05 Time: 1824

Lab File ID: M9856 Init. Calib. Date(s): 10/26/05 10/26/05

Init. Calib. Times: 0745 1340

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	
Dichlorodifluoromethane	0.5690000	0.5349300	0.5349300	0.01	-5.99		AVRG	
Chloromethane	0.6940000	0.6572400	0.6572400	0.1	-5.30		AVRG	
Vinyl chloride	0.6150000	0.5488100	0.5488100	0.01	-10.76	20.00	AVRG	
Bromomethane	44.946000	50.000000	0.3530000	0.01	-10.11		LINR	
Chloroethane	0.3170000	0.3237700	0.3237700	0.01	2.14		AVRG	
Trichlorofluoromethane	1.0820000	1.1431000	1.1431000	0.01	5.65		AVRG	
Tertiary-butyl alcohol	62.308000	250.00000	9.56e-003	0.01	-75.08		LINR	<-
1,1-Dichloroethene	0.4790000	0.5024900	0.5024900	0.1	4.90	20.00	AVRG	
Carbon Disulfide	1.6050000	1.5866000	1.5866000	0.01	-1.15		AVRG	
Freon-113	0.3760000	0.3778000	0.3778000	0.01	0.48		AVRG	
Methylene Chloride	48.238000	50.000000	0.6421800	0.01	-3.52		LINR	
Acetone	210.61000	250.00000	3.22e-002	0.01	-15.76		LINR	
trans-1,2-Dichloroethene	0.5830000	0.5476300	0.5476300	0.01	-6.07		AVRG	
Methyl tert-butyl ether	1.7040000	1.7752000	1.7752000	0.01	4.18		AVRG	
Di-isopropyl ether	2.6180000	2.5253000	2.5253000	0.01	-3.54		AVRG	
1,1-Dichloroethane	1.1770000	1.1569000	1.1569000	0.3	-1.71		AVRG	
Ethyl tertiary-butyl ether	2.1650000	2.2395000	2.2395000	0.01	3.44		AVRG	
Vinyl Acetate	0.9790000	0.9517700	0.9517700	0.01	-2.78		AVRG	
cis-1,2-Dichloroethene	0.7200000	0.7269400	0.7269400	0.01	0.96		AVRG	
1,2-Dichloroethylene (total)	0.0000000	0.6372900	0.6372900	0.01	0.00		AVRG	<-
2,2-Dichloropropane	1.0220000	0.9214800	0.9214800	0.01	-9.84		AVRG	
Bromochloromethane	0.3300000	0.3175300	0.3175300	0.01	-3.78		AVRG	
Chloroform	1.3380000	1.2574000	1.2574000	0.01	-6.02	20.00	AVRG	
Carbon Tetrachloride	0.5460000	0.5225800	0.5225800	0.01	-4.29		AVRG	
1,1,1-Trichloroethane	1.1190000	1.1745000	1.1745000	0.01	4.96		AVRG	
1,1-Dichloropropene	0.4760000	0.4873500	0.4873500	0.01	2.38		AVRG	
2-Butanone	116.46000	250.00000	2.51e-002	0.01	-53.42		2RDR	
Benzene	1.3840000	1.3813000	1.3813000	0.01	-0.20		AVRG	
Tertiary-amyl methyl ether	1.7770000	1.9654000	1.9654000	0.01	10.60		AVRG	

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Instrument ID: GCMS-M Calibration Date: 10/27/05 Time: 1824

Lab File ID: M9856 Init. Calib. Date(s): 10/26/05 10/26/05

Init. Calib. Times: 0745 1340

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	
1,2-Dichloroethane	0.5800000	0.6125100	0.6125100	0.01	5.60		AVRG	
Trichloroethene	0.4010000	0.3955400	0.3955400	0.01	-1.36		AVRG	
Dibromomethane	0.2970000	0.3086100	0.3086100	0.01	3.91		AVRG	
1,2-Dichloropropane	0.3520000	0.3481200	0.3481200	0.01	-1.10	20.00	AVRG	
Bromodichloromethane	0.6070000	0.6152400	0.6152400	0.01	1.36		AVRG	
cis-1,3-dichloropropene	0.6060000	0.5700800	0.5700800	0.01	-5.93		AVRG	
2-Chloroethylvinylether	43.676000	50.000000	0.1821100	0.01	-12.65		LINR	
Toluene	0.8870000	0.8573100	0.8573100	0.01	-3.35	20.00	AVRG	
4-methyl-2-pentanone	260.97000	250.00000	0.4127300	0.01	4.39		LINR	
Tetrachloroethene	0.3290000	0.3735800	0.3735800	0.01	13.55		AVRG	
trans-1,3-Dichloropropene	0.5300000	0.5155000	0.5155000	0.01	-2.74		AVRG	
Dibromochloromethane	0.5100000	0.5591000	0.5591000	0.01	9.63		AVRG	
1,3-Dichloropropane	0.6090000	0.6523600	0.6523600	0.01	7.12		AVRG	
1,2-Dibromoethane	0.3860000	0.3956800	0.3956800	0.01	2.51		AVRG	
2-Hexanone	0.3430000	0.3421300	0.3421300	0.01	-0.25		AVRG	
Chlorobenzene	1.1780000	1.1047000	1.1047000	0.3	-6.22		AVRG	
Ethylbenzene	1.8940000	2.0135000	2.0135000	0.01	6.31	20.00	AVRG	
1,1,1,2-Tetrachloroethane	0.4320000	0.4449900	0.4449900	0.01	3.01		AVRG	
Xylenes (total)	0.0000000	0.7373500	0.7373500	0.01	0.00		AVRG	<-
m+p-Xylenes	0.6870000	0.7566900	0.7566900	0.01	10.14		AVRG	
o-Xylene	0.6840000	0.6986600	0.6986600	0.01	2.14		AVRG	
Styrene	1.1240000	1.2032000	1.2032000	0.01	7.05		AVRG	
Bromoform	0.3190000	0.3668700	0.3668700	0.1	15.01		AVRG	
Isopropylbenzene	3.7550000	3.5071000	3.5071000	0.01	-6.60		AVRG	
Bromobenzene	1.0990000	1.0469000	1.0469000	0.01	-4.74		AVRG	
N-Propylbenzene	5.0990000	4.8934000	4.8934000	0.01	-4.03		AVRG	
1,1,2,2-Tetrachloroethane	1.1040000	1.0708000	1.0708000	0.3	-3.01		AVRG	
2-Chlorotoluene	3.5870000	3.2641000	3.2641000	0.01	-9.00		AVRG	
1,2,3-Trichloropropane	46.007000	50.000000	0.7735400	0.01	-7.99		LINR	

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Instrument ID: GCMS-M Calibration Date: 10/27/05 Time: 1824

Lab File ID: M9856 Init. Calib. Date(s): 10/26/05 10/26/05

Init. Calib. Times: 0745 1340

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
4-Chlorotoluene	3.1340000	2.7042000	2.7042000	0.01	-13.71		AVRG
tert-Butylbenzene	35.673000	50.000000	2.6222000	0.01	-28.65		LINR
1,2,4-Trimethylbenzene	3.4320000	2.9748000	2.9748000	0.01	-13.32		AVRG
P-Isopropyltoluene	3.5890000	2.9520000	2.9520000	0.01	-17.75		AVRG
1,3-Dichlorobenzene	1.9610000	1.7869000	1.7869000	0.01	-8.88		AVRG
1,4-Dichlorobenzene	1.8220000	1.6561000	1.6561000	0.01	-9.10		AVRG
N-Butylbenzene	3.3910000	3.2921000	3.2921000	0.01	-2.92		AVRG
sec-Butylbenzene	29.481000	50.000000	4.0110000	0.01	-41.04		2RDR
1,2-Dichlorobenzene	1.8440000	1.6680000	1.6680000	0.01	-9.54		AVRG
1,2-Dibromo-3-Chloropropane	0.5360000	0.4515400	0.4515400	0.01	-15.76		AVRG
Hexachlorobutadiene	0.6550000	0.5925300	0.5925300	0.01	-9.54		AVRG
1,2,4-Trichlorobenzene	35.001000	50.000000	0.9499100	0.01	-30.00		2RDR
1,2,3-Trimethylbenzene	2.3180000	2.3912000	2.3912000	0.01	3.16		AVRG
Naphthalene	40.532000	50.000000	2.1648000	0.01	-18.94		LINR
1,2,3-Trichlorobenzene	1.0780000	0.6937700	0.6937700	0.01	-35.64		AVRG
Dibromofluoromethane	0.7880000	0.7994800	0.7994800	0.01	1.46		AVRG
1,2-Dichloroethane-D4	0.8340000	0.8822400	0.8822400	0.01	5.78		AVRG
Toluene-D8	1.2580000	1.1047000	1.1047000	0.01	-12.19		AVRG
P-Bromofluorobenzene	0.5040000	0.4712100	0.4712100	0.01	-6.51		AVRG

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: Middle River
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 27-OCT-2005 21:00
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 100

Lab ID: WG22133-2
Client ID: WG22133-Blank
SDG: MID-6
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22133
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	10	1.0	10	10	2
74-87-3	Chloromethane	U	10	1.0	10	10	1.0
75-01-4	Vinyl chloride	U	10	1.0	10	10	2
74-83-9	Bromomethane	U	10	1.0	10	10	2
75-00-3	Chloroethane	U	10	1.0	10	10	1
75-69-4	Trichlorofluoromethane	U	10	1.0	10	10	2
75-65-0	Tertiary-butyl alcohol	U	10	1.0	10	10	7
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	1
75-15-0	Carbon Disulfide	U	5	1.0	5	5	2
76-13-1	Freon-113	U	5	1.0	5	5	2
75-09-2	Methylene Chloride	U	5	1.0	5	5	2
67-64-1	Acetone	U	25	1.0	25	25	4
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.9
1634-04-4	Methyl tert-butyl ether	U	10	1.0	10	10	0.7
108-20-3	Di-isopropyl ether	U	5	1.0	5	5	0.4
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	1
637-92-3	Ethyl tertiary-butyl ether	U	5	1.0	5	5	0.3
108-05-4	Vinyl Acetate	U	5	1.0	5	5	0.2
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.7
540-59-0	1,2-Dichloroethylene (total)	U	10	1.0	10	10	2
594-20-7	2,2-Dichloropropane	U	5	1.0	5	5	2
74-97-5	Bromochloromethane	U	5	1.0	5	5	1
67-66-3	Chloroform	U	5	1.0	5	5	0.8
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	1
563-58-6	1,1-Dichloropropene	U	5	1.0	5	5	1
78-93-3	2-Butanone	U	25	1.0	25	25	3
71-43-2	Benzene	U	5	1.0	5	5	0.8
994-05-8	Tertiary-amyl methyl ether	U	5	1.0	5	5	0.4
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.6
79-01-6	Trichloroethene	U	5	1.0	5	5	0.8
74-95-3	Dibromomethane	U	5	1.0	5	5	0.5
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.7
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.5
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.3
110-75-8	2-Chloroethylvinylether	U	5	1.0	5	5	1.0
108-88-3	Toluene	U	5	1.0	5	5	0.9
108-10-1	4-methyl-2-pentanone	U	25	1.0	25	25	4
127-18-4	Tetrachloroethene	U	5	1.0	5	5	1
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.6
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.5
142-28-9	1,3-Dichloropropane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.5

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: Middle River
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 27-OCT-2005 21:00
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 100

Lab ID: WG22133-2
Client ID: WG22133-Blank
SDG: MID-6
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22133
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	25	1.0	25	25	4
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.7
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.8
630-20-6	1,1,1,2-Tetrachloroethane	U	5	1.0	5	5	0.5
1330-20-7	Xylenes (total)	U	15	1.0	15	15	2
	m+p-Xylenes	U	10	1.0	10	10	1
95-47-6	o-Xylene	U	5	1.0	5	5	0.6
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.6
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.8
108-86-1	Bromobenzene	U	5	1.0	5	5	1
103-65-1	N-Propylbenzene	U	5	1.0	5	5	0.7
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	1
95-49-8	2-Chlorotoluene	U	5	1.0	5	5	0.7
96-18-4	1,2,3-Trichloropropane	U	5	1.0	5	5	0.8
106-43-4	4-Chlorotoluene	U	5	1.0	5	5	0.5
98-06-6	tert-Butylbenzene	U	5	1.0	5	5	0.7
95-63-6	1,2,4-Trimethylbenzene	U	5	1.0	5	5	0.6
99-87-6	P-Isopropyltoluene	U	5	1.0	5	5	0.7
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.3
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.3
104-51-8	N-Butylbenzene	U	5	1.0	5	5	0.7
135-98-8	sec-Butylbenzene	U	5	1.0	5	5	1.0
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.3
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.8
87-68-3	Hexachlorobutadiene	U	5	1.0	5	5	0.8
120-82-1	1,2,4-Trichlorobenzene	J	3	1.0	5	5	0.9
526-73-8	1,2,3-Trimethylbenzene	U	5	1.0	5	5	0.3
91-20-3	Naphthalene	U	5	1.0	5	5	2
87-61-6	1,2,3-Trichlorobenzene	U	5	1.0	5	5	1
1868-53-7	Dibromofluoromethane		103%				
17060-07-0	1,2-Dichloroethane-D4		113%				
2037-26-5	Toluene-D8		102%				
460-00-4	P-Bromofluorobenzene		100%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

WG22133-Blank

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Matrix: (soil/water) SOIL Lab Sample ID: WG22133-2

Sample wt/vol: 5.000(g/mL) G Lab File ID: M9860

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/27/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
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29.					
30.					

FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: Middle River
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 10/27/05
Report Date: 11/01/2005
Matrix: SOIL

Lab ID: WG22133-1
Client ID: WG22133-LCS
SDG: MID-6
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22133
Units: ug/Kg

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.		%REC.	QC. LIMITS
Dichlorodifluoromethane	50	NA	74		149	13-217
Chloromethane	50	NA	61		122	36-165
Vinyl chloride	50	NA	57		115	47-159
Bromomethane	50	NA	58		116	43-181
Chloroethane	50	NA	66		132	54-157
Trichlorofluoromethane	50	NA	59		119	62-138
Tertiary-butyl alcohol	250	NA	183	*	73	74-127
1,1-Dichloroethene	50	NA	54		108	68-141
Carbon Disulfide	50	NA	56		113	45-141
Freon-113	50	NA	52		104	62-142
Methylene Chloride	50	NA	53		105	34-171
Acetone	50	NA	57		114	44-226
trans-1,2-Dichloroethene	50	NA	53		106	72-133
Methyl tert-butyl ether	100	NA	103		103	11-259
Di-isopropyl ether	50	NA	49		98	74-126
1,1-Dichloroethane	50	NA	53		105	75-130
Ethyl tertiary-butyl ether	50	NA	46		92	75-125
Vinyl Acetate	50	NA	41		81	59-162
cis-1,2-Dichloroethene	50	NA	53		105	67-129
1,2-Dichloroethylene (total)	100	NA	106		106	70-130
2,2-Dichloropropane	50	NA	56		111	70-138
Bromochloromethane	50	NA	55		110	73-122
Chloroform	50	NA	52		104	73-127
Carbon Tetrachloride	50	NA	58		117	75-130
1,1,1-Trichloroethane	50	NA	58		116	71-129
1,1-Dichloropropene	50	NA	61	*	123	84-121
2-Butanone	50	NA	80		160	22-267
Benzene	50	NA	60		119	76-123
Tertiary-amyl methyl ether	50	NA	48		95	73-126
1,2-Dichloroethane	50	NA	57		114	80-123
Trichloroethene	50	NA	55		110	75-136
Dibromomethane	50	NA	53		106	83-121
1,2-Dichloropropane	50	NA	55		110	77-123
Bromodichloromethane	50	NA	56	*	113	78-107
cis-1,3-dichloropropene	50	NA	61		121	76-125
2-Chloroethylvinylether	50	NA	51		101	0-159
Toluene	50	NA	56		112	76-121
4-methyl-2-pentanone	50	NA	51		101	69-148
Tetrachloroethene	50	NA	59	*	117	87-114
trans-1,3-Dichloropropene	50	NA	64		129	80-136
Dibromochloromethane	50	NA	52		105	87-114
1,3-Dichloropropane	50	NA	51		103	86-113
1,2-Dibromoethane	50	NA	57		114	81-120
2-Hexanone	50	NA	52		103	67-157
Chlorobenzene	50	NA	54		107	90-111

FORM III VOA-2
M9858.D

Sample Data Summary A0000109

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: Middle River
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 10/27/05
Report Date: 11/01/2005
Matrix: SOIL

Lab ID: WG22133-1
Client ID: WG22133-LCS
SDG: MID-6
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22133
Units: ug/Kg

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.		%REC.	QC. LIMITS
Ethylbenzene	50	NA	57	*	114	89-111
1,1,1,2-Tetrachloroethane	50	NA	55		109	89-110
Xylenes (total)	150	NA	179	*	119	91-113
m+p-Xylenes	100	NA	120	*	120	91-113
o-Xylene	50	NA	59	*	118	91-112
Styrene	50	NA	56		111	85-114
Bromoform	50	NA	51		103	92-113
Isopropylbenzene	50	NA	55		110	89-132
Bromobenzene	50	NA	51		102	87-109
N-Propylbenzene	50	NA	52		104	86-119
1,1,2,2-Tetrachloroethane	50	NA	44		89	77-119
2-Chlorotoluene	50	NA	51		103	78-120
1,2,3-Trichloropropane	50	NA	51		102	83-115
4-Chlorotoluene	50	NA	56		113	84-118
tert-Butylbenzene	50	NA	42		85	76-128
1,2,4-Trimethylbenzene	50	NA	52		104	83-118
P-Isopropyltoluene	50	NA	50		101	91-120
1,3-Dichlorobenzene	50	NA	53		106	90-113
1,4-Dichlorobenzene	50	NA	53		105	89-112
N-Butylbenzene	50	NA	52		103	80-122
sec-Butylbenzene	50	NA	34	*	68	86-118
1,2-Dichlorobenzene	50	NA	50		99	90-110
1,2-Dibromo-3-Chloropropane	50	NA	50		100	66-137
Hexachlorobutadiene	50	NA	51		102	80-117
1,2,4-Trichlorobenzene	50	NA	46		92	75-128
1,2,3-Trimethylbenzene	50	NA	52		104	80-126
Naphthalene	50	NA	47		94	72-117
1,2,3-Trichlorobenzene	50	NA	43		86	72-126

FORM III VOA-2
M9858.D

KATAHDIN ANALYTICAL SERVICES
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Client: Tetra Tech NUS, Inc
Project: Middle River
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 10/28/05
Report Date: 11/01/2005
Matrix: SOIL

Lab ID: WG22133-3 & WG22133-4
Client ID: SD-25-SSMS & SD-25-SSMSD
SDG: MID-6
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22133
Units: ug/Kg

COMPOUND	MS SPIKE	MSD SPIKE	SAMPLE CONC.	MS CONC.	MSD CONC.		MS %REC.		MSD %REC.		%RPD	%RPD LIMIT	QC. LIMITS
Dichlorodifluoromethane	120	118	0.00	142	120		118		102		17	30	13-217
Chloromethane	120	118	0.00	85	83		71		71		3	30	36-165
Vinyl chloride	120	118	0.00	94	85		78		72		10	30	47-159
Bromomethane	120	118	0.00	78	64		65		54		19	30	43-181
Chloroethane	120	118	0.00	106	84		88		71		23	30	54-157
Trichlorofluoromethane	120	118	0.00	102	83		85		70		21	30	62-138
Tertiary-butyl alcohol	600	588	0.00	264	369	*	44	*	63	*	33	30	74-127
1,1-Dichloroethene	120	118	0.00	102	83		85		71		20	30	68-141
Carbon Disulfide	120	118	0.00	7.5	2.6	*	6	*	2	*	97	30	45-141
Freon-113	120	118	0.00	92	92		77		78		1.0	30	62-142
Methylene Chloride	120	118	8.8	102	92		78		70		10	30	34-171
Acetone	120	118	47	132	115		71		58		14	30	44-226
trans-1,2-Dichloroethene	120	118	0.00	79	65	*	66	*	55		20	30	72-133
Methyl tert-butyl ether	240	235	3.2	178	166		73		69		7	30	11-259
Di-isopropyl ether	120	118	0.00	76	82	*	64	*	70		7	30	74-126
1,1-Dichloroethane	120	118	0.00	93	78		78	*	68		18	30	75-130
Ethyl tertiary-butyl ether	120	118	0.00	80	83	*	67	*	71		4	30	75-125
Vinyl Acetate	120	118	0.00	15	17	*	12	*	14		12	30	59-162
cis-1,2-Dichloroethene	120	118	0.00	80	68	*	66	*	58		15	30	67-129
1,2-Dichloroethylene (total)	240	235	0.00	159	133	*	66	*	58		18	30	70-130
2,2-Dichloropropane	120	118	0.00	93	82		78		70		12	30	70-138
Bromochloromethane	120	118	0.00	108	96		90		82		11	30	73-122
Chloroform	120	118	0.00	90	71		74	*	60		24	30	73-127
Carbon Tetrachloride	120	118	0.00	77	58	*	64	*	49		29	30	75-130
1,1,1-Trichloroethane	120	118	0.00	93	76		78	*	64		21	30	71-129
1,1-Dichloropropene	120	118	0.00	92	79	*	76	*	67		15	30	84-121
2-Butanone	120	118	0.00	14	38	*	11		32	*	94	30	22-267
Benzene	120	118	0.00	84	77	*	70	*	66		8	30	76-123
Tertiary-amyl methyl ether	120	118	0.00	72	80	*	60	*	68		10	30	73-126
1,2-Dichloroethane	120	118	0.00	84	85	*	70	*	72		0.5	30	80-123
Trichloroethene	120	118	0.00	11	11	*	9	*	9		4	30	75-136
Dibromomethane	120	118	0.00	90	95	*	75	*	80		5	30	83-121
1,2-Dichloropropane	120	118	0.00	81	86	*	67	*	73		6	30	77-123
Bromodichloromethane	120	118	0.00	37	32	*	31	*	27		15	30	78-107
cis-1,3-dichloropropene	120	118	0.00	42	36	*	35	*	30		16	30	76-125
2-Chloroethylvinylether	120	118	0.00	53	42		44		35		24	30	0-159
Toluene	120	118	0.00	86	78	*	72	*	66		10	30	76-121
4-methyl-2-pentanone	120	118	0.00	76	68	*	63	*	58		11	30	69-148
Tetrachloroethene	120	118	0.00	88	82	*	73	*	69		7	30	87-114
trans-1,3-Dichloropropene	120	118	0.00	41	34	*	34	*	28		20	30	80-136
Dibromochloromethane	120	118	0.00	26	21	*	21	*	18		19	30	87-114
1,3-Dichloropropane	120	118	0.00	78	82	*	65	*	70		5	30	86-113
1,2-Dibromoethane	120	118	0.00	65	67	*	54	*	57		4	30	81-120
2-Hexanone	120	118	0.00	52	44	*	43	*	38		15	30	67-157
Chlorobenzene	120	118	0.00	75	83	*	63	*	70		9	30	90-111

FORM III VOA-2
M9870.D & M9871.D

Sample Data Summary A0000119

KATAHDIN ANALYTICAL SERVICES
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Client: Tetra Tech NUS, Inc
Project: Middle River
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 10/28/05
Report Date: 11/01/2005
Matrix: SOIL

Lab ID: WG22133-3 & WG22133-4
Client ID: SD-25-SSMS & SD-25-SSMSD
SDG: MID-6
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22133
Units: ug/Kg

COMPOUND	MS SPIKE	MSD SPIKE	SAMPLE CONC.	MS CONC.	MSD CONC.		MS %REC.		MSD %REC.		%RPD	%RPD LIMIT	QC. LIMITS
Ethylbenzene	120	118	0.00	87	80	*	73	*	68		8	30	89-111
1,1,1,2-Tetrachloroethane	120	118	0.00	48	41	*	40	*	35		15	30	89-110
Xylenes (total)	360	353	0.00	249	234	*	69	*	66		6	30	91-113
m+p-Xylenes	240	235	0.00	174	155	*	72	*	66		12	30	91-113
o-Xylene	120	118	0.00	75	80	*	62	*	68		6	30	91-112
Styrene	120	118	0.00	57	62	*	48	*	52	*	77	3	85-114
Bromoform	120	118	0.00	19	14	*	16	*	12	*	32	30	92-113
Isopropylbenzene	120	118	0.00	87	105	*	72		89		19	30	89-132
Bromobenzene	120	118	0.00	71	78	*	59	*	66		9	30	87-109
N-Propylbenzene	120	118	0.00	82	86	*	68	*	73		6	30	86-119
1,1,2,2-Tetrachloroethane	120	118	0.00	87	88	*	72	*	74		0.6	30	77-119
2-Chlorotoluene	120	118	0.00	73	79	*	61	*	67		8	30	78-120
1,2,3-Trichloropropane	120	118	0.00	57	68	*	48	*	58		17	30	83-115
4-Chlorotoluene	120	118	0.00	74	82	*	61	*	70		11	30	84-118
tert-Butylbenzene	120	118	0.00	76	59	*	63	*	50		25	30	76-128
1,2,4-Trimethylbenzene	120	118	0.00	81	93	*	67	*	79		14	30	83-118
P-Isopropyltoluene	120	118	0.00	77	69	*	64	*	58		11	30	91-120
1,3-Dichlorobenzene	120	118	0.00	63	71	*	52	*	60		12	30	90-113
1,4-Dichlorobenzene	120	118	0.00	60	72	*	50	*	61		19	30	89-112
N-Butylbenzene	120	118	0.00	67	61	*	56	*	52		9	30	80-122
sec-Butylbenzene	120	118	0.00	57	51	*	47	*	44		10	30	86-118
1,2-Dichlorobenzene	120	118	0.00	55	69	*	46	*	59		23	30	90-110
1,2-Dibromo-3-Chloropropane	120	118	0.00	42	42	*	35	*	36		1.0	30	66-137
Hexachlorobutadiene	120	118	0.00	50	38	*	42	*	32		28	30	80-117
1,2,4-Trichlorobenzene	120	118	0.00	30	37	*	25	*	32		21	30	75-128
1,2,3-Trimethylbenzene	120	118	0.00	53	55	*	44	*	47		4	20	80-126
Naphthalene	120	118	0.00	22	38	*	18	*	32	*	52	30	72-117
1,2,3-Trichlorobenzene	120	118	0.00	23	32	*	19	*	27	*	34	30	72-126

FORM III VOA-2
M9870.D & M9871.D

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Lab File ID: ZB208 BFB Injection Date: 10/25/05

Instrument ID: GCMS-Z BFB Injection Time: 0730

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	23.1
75	30.0 - 60.0% of mass 95	56.3
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	8.3
173	Less than 2.0% of mass 174	1.0 (1.0)1
174	Greater than 50.0% of mass 95	106.9
175	5.0 - 9.0% of mass 174	8.0 (7.5)1
176	95.0 - 101.0% of mass 174	105.4 (98.6)1
177	5.0 - 9.0% of mass 176	6.1 (5.8)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		VSTD050Z25A	Z7985	10/25/05	0800
02		VSTD020Z25A	Z7986	10/25/05	0839
03		VSTD010Z25A	Z7987	10/25/05	0919
04		VSTD005Z25A	Z7988	10/25/05	0959
05		VSTD200Z25A	Z7989	10/25/05	1038
06		VSTD100Z25A	Z7990	10/25/05	1118
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FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project MIDDLE RIVER SDG No.: MID-6

Instrument ID: GCMS-Z Calibration Date(s): 10/25/05 10/25/05

Column: RTX-VMS ID: 0.18 (mm) Calibration Time(s): 0800 1118

LAB FILE ID: RF5: Z7988 RF10: Z7987 RF20: Z7986
RF50: Z7985 RF100: Z7990 RF200: Z7989

COMPOUND	RF5	RF10	RF20	RF50	RF100	RF200	CURVE	COEFFICENTS A0	COEFFICENTS A1	%RSD OR R^2	MAX %RSD OR R^2
Dichlorodifluoromethane	0.518	0.491	0.603	0.564	0.570	0.572	AVRG		0.55316006	7.389	15.000
Chloromethane	17008	37127	89190	180400	594870	1054800	LINR	5.986e-002	1.58978037	0.99196	0.99000
Vinyl chloride	0.424	0.465	0.526	0.421	0.503	0.479	AVRG		0.46977450	8.943	15.000
Bromomethane	0.294	0.301	0.350	0.320	0.308	0.308	AVRG		0.31348507	6.287	15.000
Chloroethane	0.250	0.261	0.308	0.239	0.246	0.257	AVRG		0.26030193	9.413	15.000
Trichlorofluoromethane	0.917	0.860	1.053	1.054	0.989	1.037	AVRG		0.98489823	8.160	15.000
Tertiary-butyl alcohol	0.041	0.045	0.047	0.039	0.044	0.049	AVRG		4.455e-002	8.111	15.000
1,1-Dichloroethene	0.367	0.403	0.444	0.390	0.439	0.422	AVRG		0.41088404	7.258	15.000
Carbon Disulfide	1.160	1.140	1.438	1.205	1.467	1.370	AVRG		1.29668164	11.222	15.000
Freon-113	0.443	0.409	0.476	0.420	0.457	0.443	AVRG		0.44128778	5.534	15.000
Methylene Chloride	35481	53289	93135	182750	461950	878560	LINR	-2.52e-002	1.98343621	0.99827	0.99000
Acetone	0.025	0.025	0.028	0.022	0.027	0.028	AVRG		2.58e-002	8.543	15.000
trans-1,2-Dichloroethene	0.454	0.383	0.502	0.416	0.495	0.467	AVRG		0.45290566	10.176	15.000
Methyl tert-butyl ether	1.342	1.327	1.504	1.299	1.471	1.451	AVRG		1.39896638	6.174	15.000
Di-isopropyl ether	1.334	1.389	1.554	1.309	1.635	1.570	AVRG		1.46524117	9.402	15.000
1,1-Dichloroethane	0.877	0.799	0.926	0.832	0.939	0.902	AVRG		0.87929263	6.231	15.000
Ethyl tertiary-butyl ethe	1.522	1.588	1.682	1.579	1.704	1.695	AVRG		1.62824148	4.637	15.000
Vinyl Acetate	0.697	0.731	0.903	0.845	0.895	0.922	AVRG		0.83212280	11.511	15.000
cis-1,2-Dichloroethene	0.477	0.438	0.505	0.440	0.511	0.484	AVRG		0.47595109	6.544	15.000
1,2-Dichloroethylene (tot							AVRG				0.000
2,2-Dichloropropane	0.675	0.671	0.866	0.832	0.891	0.878	AVRG		0.80228399	12.708	15.000
Bromochloromethane	0.192	0.203	0.246	0.239	0.253	0.252	AVRG		0.23078005	11.497	15.000
Chloroform	0.977	0.916	1.047	0.991	1.054	1.014	AVRG		0.99983623	5.102	15.000
Carbon Tetrachloride	0.648	0.612	0.744	0.728	0.686	0.695	AVRG		0.68560519	7.198	15.000
1,1,1-Trichloroethane	0.805	0.836	1.004	0.934	0.966	0.942	AVRG		0.91465518	8.467	15.000
1,1-Dichloropropene	0.464	0.436	0.547	0.510	0.552	0.542	AVRG		0.50854555	9.548	15.000
2-Butanone	0.038	0.033	0.038	0.033	0.039	0.040	AVRG		3.696e-002	8.148	15.000
Benzene	1.110	1.034	1.240	1.092	1.249	1.189	AVRG		1.15204058	7.538	15.000
Tertiary-amyl methyl ethe	1.103	1.188	1.278	1.111	1.293	1.289	AVRG		1.21038609	7.347	15.000
1,2-Dichloroethane	0.629	0.626	0.740	0.687	0.646	0.616	AVRG		0.65731119	7.220	15.000
Trichloroethene	0.369	0.361	0.414	0.375	0.408	0.399	AVRG		0.38770148	5.725	15.000
Dibromomethane	0.222	0.193	0.240	0.221	0.201	0.210	AVRG		0.21476439	7.913	15.000
1,2-Dichloropropane	0.260	0.255	0.296	0.277	0.308	0.304	AVRG		0.28344718	8.086	15.000
Bromodichloromethane	0.595	0.546	0.678	0.636	0.643	0.632	AVRG		0.62178922	7.307	15.000
cis-1,3-dichloropropene	0.497	0.527	0.603	0.549	0.596	0.592	AVRG		0.56061988	7.672	15.000
2-Chloroethylvinylether	3960	8232	18854	47110	122140	271860	LINR	9.911e-002	8.00122764	0.99511	0.99000
Toluene	0.754	0.669	0.846	0.714	0.810	0.792	AVRG		0.76415605	8.550	15.000
4-methyl-2-pentanone	0.287	0.296	0.328	0.282	0.322	0.330	AVRG		0.30758832	7.140	15.000
Tetrachloroethene	0.382	0.443	0.501	0.443	0.460	0.449	AVRG		0.44639730	8.606	15.000
trans-1,3-Dichloropropene	0.520	0.489	0.579	0.543	0.542	0.560	AVRG		0.53872614	5.827	15.000
Dibromochloromethane	0.525	0.556	0.611	0.566	0.622	0.630	AVRG		0.58509165	7.227	15.000
1,3-Dichloropropane	0.500	0.524	0.588	0.504	0.579	0.573	AVRG		0.54466362	7.319	15.000
1,2-Dibromoethane	0.302	0.306	0.376	0.319	0.345	0.354	AVRG		0.33363892	8.795	15.000
2-Hexanone	0.240	0.250	0.276	0.228	0.271	0.287	AVRG		0.25861228	8.751	15.000

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project MIDDLE RIVER SDG No.: MID-6

Instrument ID: GCMS-Z Calibration Date(s): 10/25/05 10/25/05

Column: RTX-VMS ID: 0.18 (mm) Calibration Time(s): 0800 1118

LAB FILE ID: RF5: Z7988 RF10: Z7987 RF20: Z7986
RF50: Z7985 RF100: Z7990 RF200: Z7989

COMPOUND	RF5	RF10	RF20	RF50	RF100	RF200	CURVE	COEFFICENTS A0	COEFFICENTS A1	%RSD OR R^2	MAX %RSD OR R^2
Chlorobenzene	1.043	1.044	1.184	1.062	1.172	1.128	AVRG		1.10553500	5.816	15.000
Ethylbenzene	1.777	1.699	2.061	1.796	1.980	1.912	AVRG		1.87048292	7.315	15.000
1,1,1,2-Tetrachloroethane	0.488	0.477	0.548	0.492	0.540	0.530	AVRG		0.51280315	5.927	15.000
Xylenes (total)							AVRG				0.000
m+p-Xylenes	0.610	0.614	0.757	0.642	0.694	0.687	AVRG		0.66727656	8.480	15.000
o-Xylene	0.600	0.589	0.711	0.611	0.692	0.673	AVRG		0.64579421	8.101	15.000
Styrene	1.026	0.997	1.177	1.064	1.159	1.156	AVRG		1.09633390	7.049	15.000
Bromoform	0.395	0.398	0.466	0.418	0.447	0.458	AVRG		0.43012837	7.197	15.000
Isopropylbenzene	2.595	2.467	3.254	2.642	2.952	2.719	AVRG		2.77137120	10.321	15.000
Bromobenzene	1.007	0.985	1.120	0.967	1.082	0.988	AVRG		1.02493502	6.004	15.000
N-Propylbenzene	3.316	3.354	4.145	3.419	3.825	3.442	AVRG		3.58348836	9.210	15.000
1,1,2,2-Tetrachloroethane	0.565	0.578	0.697	0.593	0.723	0.681	AVRG		0.63930573	10.712	15.000
2-Chlorotoluene	2.439	2.466	2.930	2.458	2.760	2.475	AVRG		2.58794501	7.977	15.000
1,2,3-Trichloropropane	0.767	0.801	0.954	0.742	0.893	0.872	AVRG		0.83816405	9.708	15.000
4-Chlorotoluene	2.353	2.205	2.556	2.260	2.475	2.243	AVRG		2.34871709	5.977	15.000
tert-Butylbenzene	2.957	2.633	3.583	2.742	3.290	3.096	AVRG		3.04997766	11.552	15.000
1,2,4-Trimethylbenzene	2.669	2.422	3.077	2.578	2.864	2.683	AVRG		2.71563391	8.415	15.000
P-Isopropyltoluene	2.655	2.536	3.267	2.740	2.978	2.761	AVRG		2.82265823	9.275	15.000
1,3-Dichlorobenzene	1.650	1.584	1.902	1.697	1.808	1.684	AVRG		1.72097116	6.669	15.000
1,4-Dichlorobenzene	1.582	1.579	1.901	1.632	1.728	1.615	AVRG		1.67290737	7.432	15.000
N-Butylbenzene	2.313	2.315	2.912	2.492	2.802	2.536	AVRG		2.56174351	9.698	15.000
sec-Butylbenzene	3.062	2.990	3.727	3.204	3.541	3.148	AVRG		3.27848782	8.872	15.000
1,2-Dichlorobenzene	1.440	1.461	1.804	1.531	1.710	1.569	AVRG		1.58574428	9.068	15.000
1,2-Dibromo-3-Chloropropa	0.364	0.347	0.407	0.354	0.394	0.384	AVRG		0.37519222	6.281	15.000
Hexachlorobutadiene	0.720	0.676	0.912	0.756	0.807	0.722	AVRG		0.76532543	10.991	15.000
1,2,4-Trichlorobenzene	1.186	1.110	1.353	1.177	1.257	1.182	AVRG		1.21082242	6.914	15.000
1,2,3-Trimethylbenzene	1.613	1.546	1.810	1.597	1.698	1.646	AVRG		1.65181036	5.616	15.000
Naphthalene	1.747	1.720	1.754	1.278	1.815	1.806	AVRG		1.68675436	12.052	15.000
1,2,3-Trichlorobenzene	1.020	0.966	1.140	0.954	1.058	1.066	AVRG		1.03391893	6.702	15.000
Dibromofluoromethane	0.610	0.552	0.613	0.584	0.586	0.575	AVRG		0.58676463	3.883	15.000
1,2-Dichloroethane-D4	0.751	0.758	0.759	0.728	0.678	0.629	AVRG		0.71732555	7.393	15.000
Toluene-D8	1.163	1.068	1.227	1.152	1.223	1.144	AVRG		1.16268635	5.032	15.000
P-Bromofluorobenzene	0.497	0.478	0.554	0.497	0.506	0.470	AVRG		0.50029070	5.919	15.000

FORM VI VOA

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Lab File ID: ZB211 BFB Injection Date: 10/27/05

Instrument ID: GCMS-Z BFB Injection Time: 0556

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	21.2
75	30.0 - 60.0% of mass 95	52.3
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	5.5
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	135.8
175	5.0 - 9.0% of mass 174	9.3 (6.8)1
176	95.0 - 101.0% of mass 174	129.3 (95.2)1
177	5.0 - 9.0% of mass 176	8.3 (6.4)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		VSTD050Z27A	Z8032	10/27/05	0626
02	WG22091-LCS	WG22091-1	Z8033	10/27/05	0708
03	WG22091-BLANK	WG22091-2	Z8035	10/27/05	0830
04	SD-24-SS	WV5605-1	Z8036	10/27/05	0912
05	SD-25-SS	WV5605-2	Z8037	10/27/05	0951
06	SD-26-SS	WV5605-3	Z8038	10/27/05	1031
07	SD-27-SS	WV5605-4	Z8039	10/27/05	1111
08	SD-27-01	WV5605-5	Z8040	10/27/05	1151
09	SD-27-02	WV5605-6	Z8041	10/27/05	1231
10	SD-28-SS	WV5605-7	Z8042	10/27/05	1310
11	SD-28-01	WV5605-8	Z8043	10/27/05	1350
12	SD-28-02	WV5605-9	Z8044	10/27/05	1430
13	SD-29-SS	WV5605-10	Z8045	10/27/05	1510
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FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Instrument ID: GCMS-Z Calibration Date: 10/27/05 Time: 0626

Lab File ID: Z8032 Init. Calib. Date(s): 10/25/05 10/25/05

Init. Calib. Times: 0800 1118

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	
Dichlorodifluoromethane	0.5530000	0.5375900	0.5375900	0.01	-2.79		AVRG	
Chloromethane	38.287000	50.000000	0.4440100	0.1	-23.43		LINR	
Vinyl chloride	0.4700000	0.4874500	0.4874500	0.01	3.71	20.00	AVRG	
Bromomethane	0.3140000	0.2862600	0.2862600	0.01	-8.83		AVRG	
Chloroethane	0.2600000	0.2725600	0.2725600	0.01	4.83		AVRG	
Trichlorofluoromethane	0.9850000	0.9741200	0.9741200	0.01	-1.10		AVRG	
Tertiary-butyl alcohol	4.4e-002	4.15e-002	4.15e-002	0.01	-5.68		AVRG	
1,1-Dichloroethene	0.4110000	0.4216400	0.4216400	0.1	2.59	20.00	AVRG	
Carbon Disulfide	1.2970000	1.3386000	1.3386000	0.01	3.21		AVRG	
Freon-113	0.4410000	0.4489600	0.4489600	0.01	1.80		AVRG	
Methylene Chloride	48.833000	50.000000	0.5051400	0.01	-2.33		LINR	
Acetone	2.6e-002	2.95e-002	2.95e-002	0.01	13.46		AVRG	
trans-1,2-Dichloroethene	0.4530000	0.4541700	0.4541700	0.01	0.26		AVRG	
Methyl tert-butyl ether	1.3990000	1.3681000	1.3681000	0.01	-2.21		AVRG	
Di-isopropyl ether	1.4650000	1.5148000	1.5148000	0.01	3.40		AVRG	
1,1-Dichloroethane	0.8790000	0.8410500	0.8410500	0.3	-4.32		AVRG	
Ethyl tertiary-butyl ether	1.6280000	1.6129000	1.6129000	0.01	-0.93		AVRG	
Vinyl Acetate	0.8320000	0.8357500	0.8357500	0.01	0.45		AVRG	
cis-1,2-Dichloroethene	0.4760000	0.4678500	0.4678500	0.01	-1.71		AVRG	
1,2-Dichloroethylene (total)	0.0000000	0.4610100	0.4610100	0.01	0.00		AVRG	<-
2,2-Dichloropropane	0.8020000	0.7870600	0.7870600	0.01	-1.86		AVRG	
Bromochloromethane	0.2310000	0.2196500	0.2196500	0.01	-4.91		AVRG	
Chloroform	1.0000000	0.9737200	0.9737200	0.01	-2.63	20.00	AVRG	
Carbon Tetrachloride	0.6860000	0.6870900	0.6870900	0.01	0.16		AVRG	
1,1,1-Trichloroethane	0.9140000	0.9012300	0.9012300	0.01	-1.40		AVRG	
1,1-Dichloropropene	0.5080000	0.5072800	0.5072800	0.01	-0.14		AVRG	
2-Butanone	3.7e-002	3.64e-002	3.64e-002	0.01	-1.62		AVRG	
Benzene	1.1520000	1.2158000	1.2158000	0.01	5.54		AVRG	
Tertiary-amyl methyl ether	1.2100000	1.1731000	1.1731000	0.01	-3.05		AVRG	

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Instrument ID: GCMS-Z Calibration Date: 10/27/05 Time: 0626

Lab File ID: Z8032 Init. Calib. Date(s): 10/25/05 10/25/05

Init. Calib. Times: 0800 1118

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	
1,2-Dichloroethane	0.6570000	0.6551600	0.6551600	0.01	-0.28		AVRG	
Trichloroethene	0.3880000	0.3793500	0.3793500	0.01	-2.23		AVRG	
Dibromomethane	0.2140000	0.2063400	0.2063400	0.01	-3.58		AVRG	
1,2-Dichloropropane	0.2830000	0.2894200	0.2894200	0.01	2.27	20.00	AVRG	
Bromodichloromethane	0.6220000	0.6169000	0.6169000	0.01	-0.82		AVRG	
cis-1,3-dichloropropene	0.5610000	0.5774800	0.5774800	0.01	2.94		AVRG	
2-Chloroethylvinylether	41.587000	50.000000	9.16e-002	0.01	-16.83		LINR	
Toluene	0.7640000	0.7731000	0.7731000	0.01	1.19	20.00	AVRG	
4-methyl-2-pentanone	0.3080000	0.2959600	0.2959600	0.01	-3.91		AVRG	
Tetrachloroethene	0.4460000	0.4724300	0.4724300	0.01	5.93		AVRG	
trans-1,3-Dichloropropene	0.5390000	0.5386500	0.5386500	0.01	-0.06		AVRG	
Dibromochloromethane	0.5850000	0.5688900	0.5688900	0.01	-2.75		AVRG	
1,3-Dichloropropane	0.5450000	0.5424900	0.5424900	0.01	-0.46		AVRG	
1,2-Dibromoethane	0.3340000	0.3203200	0.3203200	0.01	-4.10		AVRG	
2-Hexanone	0.2590000	0.2457500	0.2457500	0.01	-5.12		AVRG	
Chlorobenzene	1.1060000	1.0967000	1.0967000	0.3	-0.84		AVRG	
Ethylbenzene	1.8710000	1.9220000	1.9220000	0.01	2.72	20.00	AVRG	
1,1,1,2-Tetrachloroethane	0.5120000	0.5128200	0.5128200	0.01	0.16		AVRG	
Xylenes (total)	0.0000000	0.6881400	0.6881400	0.01	0.00		AVRG	<-
m+p-Xylenes	0.6670000	0.6953200	0.6953200	0.01	4.24		AVRG	
o-Xylene	0.6460000	0.6737800	0.6737800	0.01	4.30		AVRG	
Styrene	1.0960000	1.0767000	1.0767000	0.01	-1.76		AVRG	
Bromoform	0.4300000	0.4164100	0.4164100	0.1	-3.16		AVRG	
Isopropylbenzene	2.7720000	2.8470000	2.8470000	0.01	2.70		AVRG	
Bromobenzene	1.0250000	1.0242000	1.0242000	0.01	-0.08		AVRG	
N-Propylbenzene	3.5840000	3.7062000	3.7062000	0.01	3.41		AVRG	
1,1,2,2-Tetrachloroethane	0.6400000	0.6358900	0.6358900	0.3	-0.64		AVRG	
2-Chlorotoluene	2.5880000	2.6028000	2.6028000	0.01	-0.57		AVRG	
1,2,3-Trichloropropane	0.8380000	0.5606300	0.5606300	0.01	-33.10		AVRG	

FORM VII PEST

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Instrument ID: GCMS-Z Calibration Date: 10/27/05 Time: 0626

Lab File ID: Z8032 Init. Calib. Date(s): 10/25/05 10/25/05

Init. Calib. Times: 0800 1118

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
4-Chlorotoluene	2.3490000	2.3477000	2.3477000	0.01	-0.06		AVRG
tert-Butylbenzene	3.0500000	2.9985000	2.9985000	0.01	-1.69		AVRG
1,2,4-Trimethylbenzene	2.7160000	2.7894000	2.7894000	0.01	2.70		AVRG
P-Isopropyltoluene	2.8230000	2.9712000	2.9712000	0.01	5.25		AVRG
1,3-Dichlorobenzene	1.7210000	1.8085000	1.8085000	0.01	5.08		AVRG
1,4-Dichlorobenzene	1.6730000	1.7441000	1.7441000	0.01	4.25		AVRG
N-Butylbenzene	2.5620000	2.7329000	2.7329000	0.01	6.67		AVRG
sec-Butylbenzene	3.2790000	3.3731000	3.3731000	0.01	2.87		AVRG
1,2-Dichlorobenzene	1.5860000	1.6344000	1.6344000	0.01	3.05		AVRG
1,2-Dibromo-3-Chloropropane	0.3750000	0.3842700	0.3842700	0.01	2.47		AVRG
Hexachlorobutadiene	0.7660000	0.7999800	0.7999800	0.01	4.44		AVRG
1,2,4-Trichlorobenzene	1.2110000	1.2957000	1.2957000	0.01	6.99		AVRG
1,2,3-Trimethylbenzene	1.6520000	1.5390000	1.5390000	0.01	-6.84		AVRG
Naphthalene	1.6870000	1.5683000	1.5683000	0.01	-7.04		AVRG
1,2,3-Trichlorobenzene	1.0340000	1.1074000	1.1074000	0.01	7.10		AVRG
Dibromofluoromethane	0.5870000	0.5265000	0.5265000	0.01	-10.31		AVRG
1,2-Dichloroethane-D4	0.7170000	0.6275100	0.6275100	0.01	-12.48		AVRG
Toluene-D8	1.1630000	1.1414000	1.1414000	0.01	-1.86		AVRG
P-Bromofluorobenzene	0.5000000	0.4903400	0.4903400	0.01	-1.93		AVRG

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: Middle River
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 27-OCT-2005 08:30
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 100

Lab ID: WG22091-2
Client ID: WG22091-Blank
SDG: MID-6
Extracted by:
Extraction Method: SW846 5035
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22091
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	10	1.0	10	10	2
74-87-3	Chloromethane	U	10	1.0	10	10	1.0
75-01-4	Vinyl chloride	U	10	1.0	10	10	2
74-83-9	Bromomethane	U	10	1.0	10	10	2
75-00-3	Chloroethane	U	10	1.0	10	10	1
75-69-4	Trichlorofluoromethane	U	10	1.0	10	10	2
75-65-0	Tertiary-butyl alcohol	U	10	1.0	10	10	7
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	1
75-15-0	Carbon Disulfide	U	5	1.0	5	5	2
76-13-1	Freon-113	U	5	1.0	5	5	2
75-09-2	Methylene Chloride	J	5	1.0	5	5	2
67-64-1	Acetone	J	5	1.0	25	25	4
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.9
1634-04-4	Methyl tert-butyl ether	U	10	1.0	10	10	0.7
108-20-3	Di-isopropyl ether	U	5	1.0	5	5	0.4
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	1
637-92-3	Ethyl tertiary-butyl ether	U	5	1.0	5	5	0.3
108-05-4	Vinyl Acetate	U	5	1.0	5	5	0.2
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.7
540-59-0	1,2-Dichloroethylene (total)	U	10	1.0	10	10	2
594-20-7	2,2-Dichloropropane	U	5	1.0	5	5	2
74-97-5	Bromochloromethane	U	5	1.0	5	5	1
67-66-3	Chloroform	U	5	1.0	5	5	0.8
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	1
563-58-6	1,1-Dichloropropene	U	5	1.0	5	5	1
78-93-3	2-Butanone	U	25	1.0	25	25	3
71-43-2	Benzene	U	5	1.0	5	5	0.8
994-05-8	Tertiary-amyl methyl ether	U	5	1.0	5	5	0.4
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.6
79-01-6	Trichloroethene	U	5	1.0	5	5	0.8
74-95-3	Dibromomethane	U	5	1.0	5	5	0.5
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.7
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.5
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.3
110-75-8	2-Chloroethylvinylether	U	5	1.0	5	5	1.0
108-88-3	Toluene	U	5	1.0	5	5	0.9
108-10-1	4-methyl-2-pentanone	U	25	1.0	25	25	4
127-18-4	Tetrachloroethene	U	5	1.0	5	5	1
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.6
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.5
142-28-9	1,3-Dichloropropane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.5

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: Middle River
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 27-OCT-2005 08:30
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 100

Lab ID: WG22091-2
Client ID: WG22091-Blank
SDG: MID-6
Extracted by:
Extraction Method: SW846 5035
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22091
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	25	1.0	25	25	4
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.7
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.8
630-20-6	1,1,1,2-Tetrachloroethane	U	5	1.0	5	5	0.5
1330-20-7	Xylenes (total)	U	15	1.0	15	15	2
	m+p-Xylenes	U	10	1.0	10	10	1
95-47-6	o-Xylene	U	5	1.0	5	5	0.6
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.6
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.8
108-86-1	Bromobenzene	U	5	1.0	5	5	1
103-65-1	N-Propylbenzene	U	5	1.0	5	5	0.7
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	1
95-49-8	2-Chlorotoluene	U	5	1.0	5	5	0.7
96-18-4	1,2,3-Trichloropropane	U	5	1.0	5	5	0.8
106-43-4	4-Chlorotoluene	U	5	1.0	5	5	0.5
98-06-6	tert-Butylbenzene	U	5	1.0	5	5	0.7
95-63-6	1,2,4-Trimethylbenzene	U	5	1.0	5	5	0.6
99-87-6	P-Isopropyltoluene	U	5	1.0	5	5	0.7
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.3
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.3
104-51-8	N-Butylbenzene	U	5	1.0	5	5	0.7
135-98-8	sec-Butylbenzene	U	5	1.0	5	5	1.0
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.3
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.8
87-68-3	Hexachlorobutadiene	U	5	1.0	5	5	0.8
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.9
526-73-8	1,2,3-Trimethylbenzene	U	5	1.0	5	5	0.3
91-20-3	Naphthalene	U	5	1.0	5	5	2
87-61-6	1,2,3-Trichlorobenzene	U	5	1.0	5	5	1
1868-53-7	Dibromofluoromethane		97%				
17060-07-0	1,2-Dichloroethane-D4		91%				
2037-26-5	Toluene-D8		98%				
460-00-4	P-Bromofluorobenzene		99%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

WG22091-Blank

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Matrix: (soil/water) SOIL Lab Sample ID: WG22091-2

Sample wt/vol: 5.000(g/mL) G Lab File ID: Z8035

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/27/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
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29.					
30.					

FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: Middle River
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 10/27/05
Report Date: 11/01/2005
Matrix: SOIL

Lab ID: WG22091-1
Client ID: WG22091-LCS
SDG: MID-6
Extracted by:
Extraction Method: SW846 5035
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22091
Units: ug/Kg

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.		%REC.	QC. LIMITS
Dichlorodifluoromethane	50	NA	77		155	13-217
Chloromethane	50	NA	22		43	36-165
Vinyl chloride	50	NA	66		132	47-159
Bromomethane	50	NA	50		101	43-181
Chloroethane	50	NA	58		115	54-157
Trichlorofluoromethane	50	NA	58		116	62-138
Tertiary-butyl alcohol	250	NA	237		95	74-127
1,1-Dichloroethene	50	NA	56		112	68-141
Carbon Disulfide	50	NA	60		120	45-141
Freon-113	50	NA	54		108	62-142
Methylene Chloride	50	NA	53		106	34-171
Acetone	50	NA	52		103	44-226
trans-1,2-Dichloroethene	50	NA	57		114	72-133
Methyl tert-butyl ether	100	NA	106		106	11-259
Di-isopropyl ether	50	NA	57		114	74-126
1,1-Dichloroethane	50	NA	55		111	75-130
Ethyl tertiary-butyl ether	50	NA	52		105	75-125
Vinyl Acetate	50	NA	40		80	59-162
cis-1,2-Dichloroethene	50	NA	55		110	67-129
1,2-Dichloroethylene (total)	100	NA	112		112	70-130
2,2-Dichloropropane	50	NA	56		111	70-138
Bromochloromethane	50	NA	54		108	73-122
Chloroform	50	NA	54		108	73-127
Carbon Tetrachloride	50	NA	54		109	75-130
1,1,1-Trichloroethane	50	NA	55		109	71-129
1,1-Dichloropropene	50	NA	61		121	84-121
2-Butanone	50	NA	90		180	22-267
Benzene	50	NA	57		114	76-123
Tertiary-amyl methyl ether	50	NA	52		103	73-126
1,2-Dichloroethane	50	NA	52		104	80-123
Trichloroethene	50	NA	55		110	75-136
Dibromomethane	50	NA	50		99	83-121
1,2-Dichloropropane	50	NA	56		112	77-123
Bromodichloromethane	50	NA	50		100	78-107
cis-1,3-dichloropropene	50	NA	57		114	76-125
2-Chloroethylvinylether	50	NA	42		84	0-159
Toluene	50	NA	57		113	76-121
4-methyl-2-pentanone	50	NA	51		102	69-148
Tetrachloroethene	50	NA	59	*	118	87-114
trans-1,3-Dichloropropene	50	NA	55		110	80-136
Dibromochloromethane	50	NA	51		103	87-114
1,3-Dichloropropane	50	NA	53		107	86-113
1,2-Dibromoethane	50	NA	52		104	81-120
2-Hexanone	50	NA	54		108	67-157
Chlorobenzene	50	NA	56	*	112	90-111

FORM III VOA-2
Z8033.D

Sample Data Summary A0000111

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: Middle River
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 10/27/05
Report Date: 11/01/2005
Matrix: SOIL

Lab ID: WG22091-1
Client ID: WG22091-LCS
SDG: MID-6
Extracted by:
Extraction Method: SW846 5035
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22091
Units: ug/Kg

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.		%REC.	QC. LIMITS
Ethylbenzene	50	NA	57	*	113	89-111
1,1,1,2-Tetrachloroethane	50	NA	55		109	89-110
Xylenes (total)	150	NA	169		113	91-113
m+p-Xylenes	100	NA	113		113	91-113
o-Xylene	50	NA	56		111	91-112
Styrene	50	NA	55		110	85-114
Bromoform	50	NA	50		99	92-113
Isopropylbenzene	50	NA	60		120	89-132
Bromobenzene	50	NA	53		105	87-109
N-Propylbenzene	50	NA	56		111	86-119
1,1,2,2-Tetrachloroethane	50	NA	50		101	77-119
2-Chlorotoluene	50	NA	54		108	78-120
1,2,3-Trichloropropane	50	NA	39	*	78	83-115
4-Chlorotoluene	50	NA	55		110	84-118
tert-Butylbenzene	50	NA	52		103	76-128
1,2,4-Trimethylbenzene	50	NA	55		109	83-118
P-Isopropyltoluene	50	NA	59		119	91-120
1,3-Dichlorobenzene	50	NA	54		109	90-113
1,4-Dichlorobenzene	50	NA	56		111	89-112
N-Butylbenzene	50	NA	59		117	80-122
sec-Butylbenzene	50	NA	56		112	86-118
1,2-Dichlorobenzene	50	NA	54		109	90-110
1,2-Dibromo-3-Chloropropane	50	NA	56		111	66-137
Hexachlorobutadiene	50	NA	53		106	80-117
1,2,4-Trichlorobenzene	50	NA	54		108	75-128
1,2,3-Trimethylbenzene	50	NA	53		106	80-126
Naphthalene	50	NA	48		96	72-117
1,2,3-Trichlorobenzene	50	NA	54		107	72-126

FORM III VOA-2
Z8033.D

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Lab File ID (Standard): Z8032 Date Analyzed: 10/27/05

Instrument ID: GCMS-Z Time Analyzed: 0626

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

		IS1(PFB) AREA #	IS1(PFB) RT #	IS2(DFB) AREA #	IS2(DFB) RT #	IS3(CBZ) AREA #	IS3(CBZ) RT #
12 HOUR STD		410942	8.47	499411	9.32	419341	12.53
UPPER LIMIT		821884	8.97	998822	9.82	838682	13.03
LOWER LIMIT		205471	7.97	249706	8.82	209671	12.03
	CLIENT SAMPLE ID	LAB SAMPLE ID					
01	WG22091-LCS	WG22091-1	412476	8.47	508978	9.32	421017	12.54
02	WG22091-BLANK	WG22091-2	400506	8.46	479774	9.30	403684	12.53
03	SD-24-SS	WV5605-1	399673	8.47	472046	9.31	370477	12.53
04	SD-25-SS	WV5605-2	375279	8.46	455707	9.31	338369	12.53
05	SD-26-SS	WV5605-3	377417	8.46	437404	9.31	331249	12.54
06	SD-27-SS	WV5605-4	373470	8.47	438994	9.32	371807	12.53
07	SD-27-01	WV5605-5	340520	8.47	399685	9.31	342172	12.53
08	SD-27-02	WV5605-6	377521	8.47	448788	9.30	355809	12.53
09	SD-28-SS	WV5605-7	380048	8.47	472365	9.32	405545	12.54
10	SD-28-01	WV5605-8	378360	8.47	453279	9.31	384213	12.54
11	SD-28-02	WV5605-9	434679	8.47	520223	9.30	441065	12.54
12	SD-29-SS	WV5605-10	273153	8.47	331605	9.31	280493	12.53
13								
14								
15								
16								
17								
18								
19								
20								

IS1 (PFB) = Pentafluorobenzene
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-D5

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 values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Lab File ID (Standard): Z8032 Date Analyzed: 10/27/05

Instrument ID: GCMS-Z Time Analyzed: 0626

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

		IS4(DCB) AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		247357	14.37				
UPPER LIMIT		494714	14.87				
LOWER LIMIT		123679	13.87				
	CLIENT SAMPLE ID	LAB SAMPLE ID					
01	WG22091-LCS	WG22091-1	251076	14.36				
02	WG22091-BLANK	WG22091-2	238361	14.36				
03	SD-24-SS	WV5605-1	177845	14.37				
04	SD-25-SS	WV5605-2	143408	14.38				
05	SD-26-SS	WV5605-3	132925	14.37				
06	SD-27-SS	WV5605-4	215559	14.36				
07	SD-27-01	WV5605-5	194019	14.37				
08	SD-27-02	WV5605-6	189328	14.36				
09	SD-28-SS	WV5605-7	232517	14.36				
10	SD-28-01	WV5605-8	212644	14.36				
11	SD-28-02	WV5605-9	259841	14.38				
12	SD-29-SS	WV5605-10	164716	14.37				
13								
14								
15								
16								
17								
18								
19								
20								

IS4 (DCB) = 1,4-Dichlorobenzene-D4

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 values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM 2
SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Level:(low/med) LOW

	CLIENT SAMPLE ID	LAB SAMPLE ID	SMC1 DBF#	SMC2 DCA#	SMC3 TOL#	SMC4 BFB#	TOT OUT
01	WG22133-BLANK	WG22133-2	103	113	102	100	0
02	SD-31-01	WV5605-15RA	47*	60	87*	42	2
03	SD-28-SS	WV5605-7RA	46*	60	44*	43	2
04	SD-32-SS	WV5605-17RA	56*	86	105	67	1
05	SD-33-SS	WV5605-18RA	60	88	100	73	0
06	SD-29-SS	WV5605-10RA	69	75	82	57	0
07	SD-34-SS	WV5605-19RA	44*	69	73	51	1
08	SD-25-SSMS	WG22133-3	64	79	80	54	0
09	SD-25-SSMSD	WG22133-4	49*	69	71	58	1
10	WG22163-LCS	WG22163-1	97	94	101	100	0
11	WG22163-BLANK	WG22163-2	99	94	96	99	0
12	SD-35-SS	WV5605-20RA2	45*	91	96	67	1
13	WG22197-LCS	WG22197-1	101	99	103	100	0
14	WG22197-BLANK	WG22197-3	97	98	91	83	0
15	SD-27-SSMS	WG22197-4	94	89	94	73	0
16	SD-27-SSMSD	WG22197-5	88	79	85	63	0
17	SD-31-02MS	WG22197-6	83	74	79	61	0
18	SD-31-02MSD	WG22197-7	82	73	66	51	0
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							

		QC LIMITS
SMC1 (DBF)	= Dibromofluoromethane	(57-122)
SMC2 (DCA)	= 1,2-Dichloroethane-D4	(53-127)
SMC3 (TOL)	= Toluene-D8	(62-117)
SMC4 (BFB)	= P-Bromofluorobenzene	(36-119)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

FORM 2
SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Level: (low/med) LOW

	CLIENT SAMPLE ID	LAB SAMPLE ID	SMC1 DBF#	SMC2 DCA#	SMC3 TOL#	SMC4 BFB#	TOT OUT
01	WG22091-LCS	WG22091-1	98	91	104	100	0
02	WG22091-BLANK	WG22091-2	97	91	98	99	0
03	WG22249-LCS	WG22249-1	100	98	88	105	0
04	SD-24-SS	WV5605-1	82	86	92	81	0
05	SD-25-SS	WV5605-2	69	86	92	71	0
06	WG22249-BLANK	WG22249-2	82	78	68	65	0
07	SD-26-SS	WV5605-3	71	89	103	74	0
08	SD-29-01	WV5605-11	81	74	59*	52	1
09	SD-27-SS	WV5605-4	59	58	66	45	0
10	SD-29-02	WV5605-12	78	85	82	70	0
11	SD-27-01	WV5605-5	51*	54	59*	43	2
12	SD-30-SS	WV5605-13	60	70	71	47	0
13	SD-27-02	WV5605-6	97	103	104	94	0
14	SD-31-SS	WV5605-14	73	82	79	63	0
15	SD-28-SS	WV5605-7	50*	48*	53*	36	3
16	SD-31-01	WV5605-15	84	79	78	54	0
17	SD-28-01	WV5605-8	68	67	74	56	0
18	SD-31-02	WV5605-16	66	74	77	53	0
19	SD-28-02	WV5605-9	69	65	79	54	0
20	SD-32-SS	WV5605-17	51*	76	86	62	1
21	SD-29-SS	WV5605-10	58	64	61*	50	1
22	SD-33-SS	WV5605-18	56*	82	97	62	1
23	SD-34-SS	WV5605-19	50*	75	80	72	1
24	WG22134-LCS	WG22134-1	96	90	96	92	0
25	WG22134-BLANK	WG22134-2	105	107	115	108	0
26	WG22133-LCS	WG22133-1	99	96	98	100	0
27	SD-27-01	WV5605-5RA	64*	67	75	52	1
28	SD-29-01	WV5605-11RA	49*	45*	55*	35*	4

		QC LIMITS
SMC1 (DBF)	= Dibromofluoromethane	(57-122)
SMC2 (DCA)	= 1,2-Dichloroethane-D4	(53-127)
SMC3 (TOL)	= Toluene-D8	(62-117)
SMC4 (BFB)	= P-Bromofluorobenzene	(36-119)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Lab File ID: ZB212 BFB Injection Date: 10/27/05

Instrument ID: GCMS-Z BFB Injection Time: 1622

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	24.0
75	30.0 - 60.0% of mass 95	53.3
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.0
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	102.9
175	5.0 - 9.0% of mass 174	6.5 (6.3)1
176	95.0 - 101.0% of mass 174	102.0 (99.2)1
177	5.0 - 9.0% of mass 176	8.5 (8.3)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		VSTD050Z27A	Z8047	10/27/05	1651
02	WG22134-LCS	WG22134-1	Z8048	10/27/05	1734
03	WG22134-BLANK	WG22134-2	Z8050	10/27/05	1855
04	SD-27-01	WV5605-5RA	Z8052	10/27/05	2015
05	SD-29-01	WV5605-11RA	Z8053	10/27/05	2055
06	SD-31-01	WV5605-15RA	Z8054	10/27/05	2135
07	SD-28-SS	WV5605-7RA	Z8055	10/27/05	2214
08	SD-32-SS	WV5605-17RA	Z8056	10/27/05	2254
09	SD-33-SS	WV5605-18RA	Z8057	10/27/05	2334
10	SD-29-SS	WV5605-10RA	Z8058	10/28/05	0013
11	SD-34-SS	WV5605-19RA	Z8059	10/28/05	0053
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

FORM V VOA

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Instrument ID: GCMS-Z Calibration Date: 10/27/05 Time: 1651

Lab File ID: Z8047 Init. Calib. Date(s): 10/25/05 10/25/05

Init. Calib. Times: 0800 1118

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	
Dichlorodifluoromethane	0.5530000	0.5238600	0.5238600	0.01	-5.27		AVRG	
Chloromethane	40.833000	50.000000	0.4760400	0.1	-18.33		LINR	
Vinyl chloride	0.4700000	0.4706000	0.4706000	0.01	0.13	20.00	AVRG	
Bromomethane	0.3140000	0.3185600	0.3185600	0.01	1.45		AVRG	
Chloroethane	0.2600000	0.2736200	0.2736200	0.01	5.24		AVRG	
Trichlorofluoromethane	0.9850000	0.9904800	0.9904800	0.01	0.56		AVRG	
Tertiary-butyl alcohol	4.4e-002	3.44e-002	3.44e-002	0.01	-21.82		AVRG	
1,1-Dichloroethene	0.4110000	0.4276400	0.4276400	0.1	4.05	20.00	AVRG	
Carbon Disulfide	1.2970000	1.3383000	1.3383000	0.01	3.18		AVRG	
Freon-113	0.4410000	0.4270900	0.4270900	0.01	-3.15		AVRG	
Methylene Chloride	50.476000	50.000000	0.5217000	0.01	0.95		LINR	
Acetone	2.6e-002	2.35e-002	2.35e-002	0.01	-9.62		AVRG	
trans-1,2-Dichloroethene	0.4530000	0.4670700	0.4670700	0.01	3.11		AVRG	
Methyl tert-butyl ether	1.3990000	1.3911000	1.3911000	0.01	-0.56		AVRG	
Di-isopropyl ether	1.4650000	1.5649000	1.5649000	0.01	6.82		AVRG	
1,1-Dichloroethane	0.8790000	0.9100600	0.9100600	0.3	3.53		AVRG	
Ethyl tertiary-butyl ether	1.6280000	1.6900000	1.6900000	0.01	3.81		AVRG	
Vinyl Acetate	0.8320000	0.6463200	0.6463200	0.01	-22.32		AVRG	
cis-1,2-Dichloroethene	0.4760000	0.5120000	0.5120000	0.01	7.56		AVRG	
1,2-Dichloroethylene (total)	0.0000000	0.4895400	0.4895400	0.01	0.00		AVRG	<-
2,2-Dichloropropane	0.8020000	0.7685600	0.7685600	0.01	-4.17		AVRG	
Bromochloromethane	0.2310000	0.2367900	0.2367900	0.01	2.51		AVRG	
Chloroform	1.0000000	1.0330000	1.0330000	0.01	3.30	20.00	AVRG	
Carbon Tetrachloride	0.6860000	0.6806000	0.6806000	0.01	-0.79		AVRG	
1,1,1-Trichloroethane	0.9140000	0.9466400	0.9466400	0.01	3.57		AVRG	
1,1-Dichloropropene	0.5080000	0.5276400	0.5276400	0.01	3.87		AVRG	
2-Butanone	3.7e-002	3.59e-002	3.59e-002	0.01	-2.97		AVRG	
Benzene	1.1520000	1.1702000	1.1702000	0.01	1.58		AVRG	
Tertiary-amyl methyl ether	1.2100000	1.2223000	1.2223000	0.01	1.02		AVRG	

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Instrument ID: GCMS-Z Calibration Date: 10/27/05 Time: 1651

Lab File ID: Z8047 Init. Calib. Date(s): 10/25/05 10/25/05

Init. Calib. Times: 0800 1118

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	
1,2-Dichloroethane	0.6570000	0.6822200	0.6822200	0.01	3.84		AVRG	
Trichloroethene	0.3880000	0.3890800	0.3890800	0.01	0.28		AVRG	
Dibromomethane	0.2140000	0.2154200	0.2154200	0.01	0.66		AVRG	
1,2-Dichloropropane	0.2830000	0.3028800	0.3028800	0.01	7.02	20.00	AVRG	
Bromodichloromethane	0.6220000	0.6443100	0.6443100	0.01	3.59		AVRG	
cis-1,3-dichloropropene	0.5610000	0.5952600	0.5952600	0.01	6.11		AVRG	
2-Chloroethylvinylether	43.908000	50.000000	9.74e-002	0.01	-12.18		LINR	
Toluene	0.7640000	0.7964400	0.7964400	0.01	4.25	20.00	AVRG	
4-methyl-2-pentanone	0.3080000	0.2773600	0.2773600	0.01	-9.95		AVRG	
Tetrachloroethene	0.4460000	0.5552600	0.5552600	0.01	24.50		AVRG	
trans-1,3-Dichloropropene	0.5390000	0.5221600	0.5221600	0.01	-3.12		AVRG	
Dibromochloromethane	0.5850000	0.5823200	0.5823200	0.01	-0.46		AVRG	
1,3-Dichloropropane	0.5450000	0.5539600	0.5539600	0.01	1.64		AVRG	
1,2-Dibromoethane	0.3340000	0.3276400	0.3276400	0.01	-1.90		AVRG	
2-Hexanone	0.2590000	0.2281200	0.2281200	0.01	-11.92		AVRG	
Chlorobenzene	1.1060000	1.1325000	1.1325000	0.3	2.40		AVRG	
Ethylbenzene	1.8710000	1.9080000	1.9080000	0.01	1.98	20.00	AVRG	
1,1,1,2-Tetrachloroethane	0.5120000	0.5445800	0.5445800	0.01	6.36		AVRG	
Xylenes (total)	0.0000000	0.6887200	0.6887200	0.01	0.00		AVRG	<-
m+p-Xylenes	0.6670000	0.6935000	0.6935000	0.01	3.97		AVRG	
o-Xylene	0.6460000	0.6791700	0.6791700	0.01	5.13		AVRG	
Styrene	1.0960000	1.1648000	1.1648000	0.01	6.28		AVRG	
Bromoform	0.4300000	0.4251800	0.4251800	0.1	-1.12		AVRG	
Isopropylbenzene	2.7720000	2.7217000	2.7217000	0.01	-1.81		AVRG	
Bromobenzene	1.0250000	0.9941400	0.9941400	0.01	-3.01		AVRG	
N-Propylbenzene	3.5840000	3.4655000	3.4655000	0.01	-3.31		AVRG	
1,1,2,2-Tetrachloroethane	0.6400000	0.6047500	0.6047500	0.3	-5.51		AVRG	
2-Chlorotoluene	2.5880000	2.5057000	2.5057000	0.01	-3.18		AVRG	
1,2,3-Trichloropropane	0.8380000	0.5378000	0.5378000	0.01	35.82		AVRG	

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Instrument ID: GCMS-Z Calibration Date: 10/27/05 Time: 1651

Lab File ID: Z8047 Init. Calib. Date(s): 10/25/05 10/25/05

Init. Calib. Times: 0800 1118

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
4-Chlorotoluene	2.3490000	2.3005000	2.3005000	0.01	-2.06		AVRG
tert-Butylbenzene	3.0500000	2.7010000	2.7010000	0.01	-11.44		AVRG
1,2,4-Trimethylbenzene	2.7160000	2.5957000	2.5957000	0.01	-4.43		AVRG
P-Isopropyltoluene	2.8230000	2.7221000	2.7221000	0.01	-3.57		AVRG
1,3-Dichlorobenzene	1.7210000	1.6515000	1.6515000	0.01	-4.04		AVRG
1,4-Dichlorobenzene	1.6730000	1.5859000	1.5859000	0.01	-5.21		AVRG
N-Butylbenzene	2.5620000	2.3908000	2.3908000	0.01	-6.68		AVRG
sec-Butylbenzene	3.2790000	3.2316000	3.2316000	0.01	-1.44		AVRG
1,2-Dichlorobenzene	1.5860000	1.5079000	1.5079000	0.01	-4.92		AVRG
1,2-Dibromo-3-Chloropropane	0.3750000	0.3179400	0.3179400	0.01	-15.22		AVRG
Hexachlorobutadiene	0.7660000	0.6845000	0.6845000	0.01	-10.64		AVRG
1,2,4-Trichlorobenzene	1.2110000	0.9942400	0.9942400	0.01	-17.90		AVRG
1,2,3-Trimethylbenzene	1.6520000	1.6898000	1.6898000	0.01	2.29		AVRG
Naphthalene	1.6870000	1.1799000	1.1799000	0.01	-30.06		AVRG
1,2,3-Trichlorobenzene	1.0340000	0.7917800	0.7917800	0.01	-23.43		AVRG
Dibromofluoromethane	0.5870000	0.5713800	0.5713800	0.01	-2.66		AVRG
1,2-Dichloroethane-D4	0.7170000	0.7021800	0.7021800	0.01	-2.07		AVRG
Toluene-D8	1.1630000	1.1567000	1.1567000	0.01	-0.54		AVRG
P-Bromofluorobenzene	0.5000000	0.4627900	0.4627900	0.01	-7.44		AVRG

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: Middle River
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 27-OCT-2005 18:55
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 100

Lab ID: WG22134-2
Client ID: WG22134-Blank
SDG: MID-6
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22134
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	10	1.0	10	10	2
74-87-3	Chloromethane	U	10	1.0	10	10	1.0
75-01-4	Vinyl chloride	U	10	1.0	10	10	2
74-83-9	Bromomethane	U	10	1.0	10	10	2
75-00-3	Chloroethane	U	10	1.0	10	10	1
75-69-4	Trichlorofluoromethane	U	10	1.0	10	10	2
75-65-0	Tertiary-butyl alcohol	U	10	1.0	10	10	7
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	1
75-15-0	Carbon Disulfide	U	5	1.0	5	5	2
76-13-1	Freon-113	U	5	1.0	5	5	2
75-09-2	Methylene Chloride	J	4	1.0	5	5	2
67-64-1	Acetone	J	6	1.0	25	25	4
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.9
1634-04-4	Methyl tert-butyl ether	U	10	1.0	10	10	0.7
108-20-3	Di-isopropyl ether	U	5	1.0	5	5	0.4
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	1
637-92-3	Ethyl tertiary-butyl ether	U	5	1.0	5	5	0.3
108-05-4	Vinyl Acetate	U	5	1.0	5	5	0.2
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.7
540-59-0	1,2-Dichloroethylene (total)	U	10	1.0	10	10	2
594-20-7	2,2-Dichloropropane	U	5	1.0	5	5	2
74-97-5	Bromochloromethane	U	5	1.0	5	5	1
67-66-3	Chloroform	U	5	1.0	5	5	0.8
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	1
563-58-6	1,1-Dichloropropene	U	5	1.0	5	5	1
78-93-3	2-Butanone	U	25	1.0	25	25	3
71-43-2	Benzene	U	5	1.0	5	5	0.8
994-05-8	Tertiary-amyl methyl ether	U	5	1.0	5	5	0.4
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.6
79-01-6	Trichloroethene	U	5	1.0	5	5	0.8
74-95-3	Dibromomethane	U	5	1.0	5	5	0.5
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.7
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.5
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.3
110-75-8	2-Chloroethylvinylether	U	5	1.0	5	5	1.0
108-88-3	Toluene	U	5	1.0	5	5	0.9
108-10-1	4-methyl-2-pentanone	U	25	1.0	25	25	4
127-18-4	Tetrachloroethene	U	5	1.0	5	5	1
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.6
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.5
142-28-9	1,3-Dichloropropane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.5

Sample Data Summary A0000096

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: Middle River
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 27-OCT-2005 18:55
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 100

Lab ID: WG22134-2
Client ID: WG22134-Blank
SDG: MID-6
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22134
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	25	1.0	25	25	4
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.7
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.8
630-20-6	1,1,1,2-Tetrachloroethane	U	5	1.0	5	5	0.5
1330-20-7	Xylenes (total)	U	15	1.0	15	15	2
	m+p-Xylenes	U	10	1.0	10	10	1
95-47-6	o-Xylene	U	5	1.0	5	5	0.6
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.6
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.8
108-86-1	Bromobenzene	U	5	1.0	5	5	1
103-65-1	N-Propylbenzene	U	5	1.0	5	5	0.7
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	1
95-49-8	2-Chlorotoluene	U	5	1.0	5	5	0.7
96-18-4	1,2,3-Trichloropropane	U	5	1.0	5	5	0.8
106-43-4	4-Chlorotoluene	U	5	1.0	5	5	0.5
98-06-6	tert-Butylbenzene	U	5	1.0	5	5	0.7
95-63-6	1,2,4-Trimethylbenzene	U	5	1.0	5	5	0.6
99-87-6	P-Isopropyltoluene	U	5	1.0	5	5	0.7
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.3
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.3
104-51-8	N-Butylbenzene	U	5	1.0	5	5	0.7
135-98-8	sec-Butylbenzene	U	5	1.0	5	5	1.0
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.3
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.8
87-68-3	Hexachlorobutadiene	U	5	1.0	5	5	0.8
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.9
526-73-8	1,2,3-Trimethylbenzene	U	5	1.0	5	5	0.3
91-20-3	Naphthalene	U	5	1.0	5	5	2
87-61-6	1,2,3-Trichlorobenzene	U	5	1.0	5	5	1
1868-53-7	Dibromofluoromethane		105%				
17060-07-0	1,2-Dichloroethane-D4		107%				
2037-26-5	Toluene-D8		115%				
460-00-4	P-Bromofluorobenzene		108%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

WG22134-Blank

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Matrix: (soil/water) SOIL Lab Sample ID: WG22134-2

Sample wt/vol: 5.000(g/mL) G Lab File ID: Z8050

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/27/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	11.17	5	J
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
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27.					
28.					
29.					
30.					

FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: Middle River
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 10/27/05
Report Date: 11/01/2005
Matrix: SOIL

Lab ID: WG22134-1
Client ID: WG22134-LCS
SDG: MID-6
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22134
Units: ug/Kg

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.		%REC.	QC. LIMITS
Dichlorodifluoromethane	50	NA	70		140	13-217
Chloromethane	50	NA	46		93	36-165
Vinyl chloride	50	NA	57		113	47-159
Bromomethane	50	NA	56		112	43-181
Chloroethane	50	NA	55		110	54-157
Trichlorofluoromethane	50	NA	52		103	62-138
Tertiary-butyl alcohol	250	NA	202		81	74-127
1,1-Dichloroethene	50	NA	48		96	68-141
Carbon Disulfide	50	NA	53		106	45-141
Freon-113	50	NA	48		95	62-142
Methylene Chloride	50	NA	51		103	34-171
Acetone	50	NA	67		134	44-226
trans-1,2-Dichloroethene	50	NA	52		103	72-133
Methyl tert-butyl ether	100	NA	103		103	11-259
Di-isopropyl ether	50	NA	54		108	74-126
1,1-Dichloroethane	50	NA	52		104	75-130
Ethyl tertiary-butyl ether	50	NA	52		104	75-125
Vinyl Acetate	50	NA	32		63	59-162
cis-1,2-Dichloroethene	50	NA	51		102	67-129
1,2-Dichloroethylene (total)	100	NA	102		102	70-130
2,2-Dichloropropane	50	NA	46		91	70-138
Bromochloromethane	50	NA	53		106	73-122
Chloroform	50	NA	50		100	73-127
Carbon Tetrachloride	50	NA	49		97	75-130
1,1,1-Trichloroethane	50	NA	49		99	71-129
1,1-Dichloropropene	50	NA	50		100	84-121
2-Butanone	50	NA	81		162	22-267
Benzene	50	NA	51		102	76-123
Tertiary-amyl methyl ether	50	NA	50		100	73-126
1,2-Dichloroethane	50	NA	50		101	80-123
Trichloroethene	50	NA	50		100	75-136
Dibromomethane	50	NA	47		94	83-121
1,2-Dichloropropane	50	NA	52		105	77-123
Bromodichloromethane	50	NA	47		94	78-107
cis-1,3-dichloropropene	50	NA	51		102	76-125
2-Chloroethylvinylether	50	NA	40		80	0-159
Toluene	50	NA	50		101	76-121
4-methyl-2-pentanone	50	NA	48		96	69-148
Tetrachloroethene	50	NA	62	*	123	87-114
trans-1,3-Dichloropropene	50	NA	50		100	80-136
Dibromochloromethane	50	NA	46		92	87-114
1,3-Dichloropropane	50	NA	48		96	86-113
1,2-Dibromoethane	50	NA	50		99	81-120
2-Hexanone	50	NA	48		96	67-157
Chlorobenzene	50	NA	49		99	90-111

FORM III VOA-2
Z8048.D

Sample Data Summary A0000113

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: Middle River
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 10/27/05
Report Date: 11/01/2005
Matrix: SOIL

Lab ID: WG22134-1
Client ID: WG22134-LCS
SDG: MID-6
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22134
Units: ug/Kg

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.		%REC.	QC. LIMITS
Ethylbenzene	50	NA	49		98	89-111
1,1,1,2-Tetrachloroethane	50	NA	50		100	89-110
Xylenes (total)	150	NA	146		97	91-113
m+p-Xylenes	100	NA	97		97	91-113
o-Xylene	50	NA	49		98	91-112
Styrene	50	NA	48		96	85-114
Bromoform	50	NA	47		94	92-113
Isopropylbenzene	50	NA	52		105	89-132
Bromobenzene	50	NA	49		97	87-109
N-Propylbenzene	50	NA	48		97	86-119
1,1,2,2-Tetrachloroethane	50	NA	49		98	77-119
2-Chlorotoluene	50	NA	49		97	78-120
1,2,3-Trichloropropane	50	NA	37	*	75	83-115
4-Chlorotoluene	50	NA	47		93	84-118
tert-Butylbenzene	50	NA	42		84	76-128
1,2,4-Trimethylbenzene	50	NA	47		94	83-118
P-Isopropyltoluene	50	NA	50		99	91-120
1,3-Dichlorobenzene	50	NA	47		95	90-113
1,4-Dichlorobenzene	50	NA	46		92	89-112
N-Butylbenzene	50	NA	45		89	80-122
sec-Butylbenzene	50	NA	48		97	86-118
1,2-Dichlorobenzene	50	NA	47		94	90-110
1,2-Dibromo-3-Chloropropane	50	NA	45		91	66-137
Hexachlorobutadiene	50	NA	43		87	80-117
1,2,4-Trichlorobenzene	50	NA	42		84	75-128
1,2,3-Trimethylbenzene	50	NA	48		96	80-126
Naphthalene	50	NA	45		90	72-117
1,2,3-Trichlorobenzene	50	NA	43		87	72-126

FORM III VOA-2
Z8048.D

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Lab File ID (Standard): Z8047 Date Analyzed: 10/27/05

Instrument ID: GCMS-Z Time Analyzed: 1651

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

		IS1(PFB) AREA #	IS1(PFB) RT #	IS2(DFB) AREA #	IS2(DFB) RT #	IS3(CBZ) AREA #	IS3(CBZ) RT #
12 HOUR STD		417868	8.47	517050	9.32	437037	12.53
UPPER LIMIT		835736	8.97	1034100	9.82	874074	13.03
LOWER LIMIT		208934	7.97	258525	8.82	218519	12.03
	CLIENT SAMPLE ID	LAB SAMPLE ID					
01	WG22134-LCS	WG22134-1	411850	8.47	510049	9.31	437398	12.54
02	WG22134-BLANK	WG22134-2	420883	8.47	500874	9.30	423358	12.53
03	SD-27-01	WV5605-5RA	341035	8.46	405561	9.31	292994	12.53
04	SD-29-01	WV5605-11RA	398251	8.46	468358	9.30	375357	12.53
05	SD-31-01	WV5605-15RA	50263*	8.47	57699*	9.30	54228*	12.53
06	SD-28-SS	WV5605-7RA	157306*	8.45	185391*	9.30	164690*	12.54
07	SD-32-SS	WV5605-17RA	382593	8.46	434042	9.30	353911	12.53
08	SD-33-SS	WV5605-18RA	347475	8.46	406839	9.31	307492	12.54
09	SD-29-SS	WV5605-10RA	350612	8.46	411977	9.30	310735	12.53
10	SD-34-SS	WV5605-19RA	354120	8.45	409664	9.30	308419	12.54
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

IS1 (PFB) = Pentafluorobenzene
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-D5

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 values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Lab File ID (Standard): Z8047 Date Analyzed: 10/27/05

Instrument ID: GCMS-Z Time Analyzed: 1651

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

		IS4(DCB) AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		268218	14.36				
UPPER LIMIT		536436	14.86				
LOWER LIMIT		134109	13.86				
	CLIENT SAMPLE ID	LAB SAMPLE ID					
01	WG22134-LCS	WG22134-1	254018	14.36			
02	WG22134-BLANK	WG22134-2	244736	14.36			
03	SD-27-01	WV5605-5RA	117001*	14.37			
04	SD-29-01	WV5605-11RA	208656	14.36			
05	SD-31-01	WV5605-15RA	32163*	14.36			
06	SD-28-SS	WV5605-7RA	93248*	14.36			
07	SD-32-SS	WV5605-17RA	182116	14.37			
08	SD-33-SS	WV5605-18RA	135538	14.37			
09	SD-29-SS	WV5605-10RA	119917*	14.36			
10	SD-34-SS	WV5605-19RA	127030*	14.36			
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

IS4 (DCB) = 1,4-Dichlorobenzene-D4

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 values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

Data File: \\Target_server\GG\chem\gcms-m.i\M102605.b\M9811.D
Report Date: 31-Oct-2005 14:15

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-m.i\M102605.b\M9811.D
Lab Smp Id: VSTD200M26A
Inj Date : 26-OCT-2005 10:19 MS Autotune Date: 08-SEP-2005 15:58
Operator : SKT Inst ID: gcms-m.i
Smp Info : VSTD200M26A
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-m.i\M102605.b\M826S09.m
Meth Date : 26-Oct-2005 15:00 aheath Quant Type: ISTD
Cal Date : 26-OCT-2005 10:19 Cal File: M9811.D
Als bottle: 14 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12

Concentration Formula: Amt * DF * (100/(100-M))*(Vt/Ws) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
M	0.00000	% Moisture
Vt	5.000	Volume of DI Water (mL)
Ws	5.000	Weight of Sample (g)
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	ON-COL (ug/kg)
1 Dichlorodifluoromethane	85	1.900	1.899	(0.206)	600676	200.000	208 (A)
2 Chloromethane	50	2.121	2.130	(0.230)	761135	200.000	216 (A)
3 Vinyl chloride	62	2.225	2.224	(0.242)	694596	200.000	223 (A)
4 Bromomethane	94	2.620	2.607	(0.284)	452892	200.000	202 (A)
5 Chloroethane	64	2.782	2.769	(0.302)	291078	200.000	181
6 Trichlorofluoromethane	101	2.945	2.943	(0.320)	1100547	200.000	201 (A)
7 Diethyl Ether	59	3.351	3.361	(0.364)	385491	200.000	191
8 Tertiary-butyl alcohol	59	5.453	5.277	(0.592)	272206	1000.00	996 (TM)
9 1,1-Dichloroethene	96	3.607	3.617	(0.391)	477496	200.000	196
10 Carbon Disulfide	76	3.641	3.640	(0.395)	1573890	200.000	193
11 Freon-113	151	3.688	3.686	(0.400)	348604	200.000	183
12 Iodomethane	142	3.804	3.803	(0.413)	648025	200.000	208 (A)
13 Acrolein	56	4.106	4.104	(0.446)	440830	1000.00	1010 (A)
14 Methylene Chloride	84	4.489	4.487	(0.487)	611211	200.000	198
15 Acetone	58	4.640	4.615	(0.504)	196059	1000.00	995
16 Isobutyl Alcohol	43	9.574	9.538	(1.039)	585629	4000.00	4010 (A)
17 trans-1,2-Dichloroethene	96	4.756	4.766	(0.516)	592167	200.000	200 (A)
18 Allyl Chloride	41	4.315	4.312	(0.468)	1001663	200.000	187
19 Methyl tert-butyl ether	73	4.977	4.998	(0.540)	3455853	400.000	400 (A)
20 Acetonitrile	39	5.476	5.428	(0.594)	156213	2000.00	2020 (AM)
21 Di-isopropyl ether	45	5.743	5.741	(0.623)	2713379	200.000	204 (A)
22 Chloroprene	53	5.859	5.869	(0.636)	1143836	200.000	205 (A)

Data File: \\Target_server\GG\chem\gcms-m.i\M102605.b\M9811.D
Report Date: 31-Oct-2005 14:15

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	AMOUNTS ON-COL (ug/kg)
	23	Propionitrile	54	9.075	9.050	(0.985)	682621	2000.00	1980
	24	Methacrylonitrile	41	9.086	9.073	(0.986)	4164749	2000.00	2000(A)
	25	1,1-Dichloroethane	63	5.905	5.915	(0.641)	1218061	200.000	204(A)
	26	Acrylonitrile	52	6.033	6.020	(0.655)	845933	1000.00	1010(A)
	27	Ethyl tertiary-butyl ether	59	6.544	6.554	(0.710)	2128415	200.000	194
	28	Vinyl Acetate	43	6.532	6.542	(0.660)	1765271	200.000	211(A)
	29	cis-1,2-Dichloroethene	96	7.148	7.146	(0.776)	768045	200.000	210(A)
M	30	1,2-Dichloroethylene (total)	96				1360212	400.000	(a)
	31	Methyl Methacrylate	41	10.700	10.710	(1.081)	677300	200.000	217(A)
	32	2,2-Dichloropropane	77	7.391	7.390	(0.802)	1038061	200.000	200(A)
	33	Bromochloromethane	128	7.612	7.622	(0.826)	342699	200.000	205(A)
	34	Chloroform	83	7.856	7.866	(0.853)	1385552	200.000	204(A)
	35	Carbon Tetrachloride	117	8.088	8.109	(0.817)	994772	200.000	213(A)
	36	Tetrahydrofuran	42	8.204	8.226	(0.890)	905559	1000.00	1040(A)
$	37	Dibromofluoromethane	113	8.274	8.272	(0.898)	789684	200.000	197
	38	1,1,1-Trichloroethane	97	8.250	8.260	(0.895)	1143004	200.000	201(A)
	39	1,1-Dichloropropene	75	8.529	8.539	(0.862)	794296	200.000	195
	40	2-Butanone	72	8.587	8.561	(0.932)	311333	1000.00	1000(A)
	41	Benzene	78	8.970	8.969	(0.906)	2475284	200.000	209(A)
*	42	Pentafluorobenzene	168	9.214	9.213	(1.000)	253631	50.0000	
	43	Cyclohexane	56	7.589	7.599	(0.824)	835672	200.000	210(A)
	44	Ethyl Methacrylate	69	12.128	12.127	(1.225)	853249	200.000	248(A)
$	45	1,2-Dichloroethane-D4	65	9.202	9.201	(0.999)	880900	200.000	208(A)
	46	Tertiary-amyl methyl ether	73	9.249	9.259	(1.004)	1807560	200.000	200(A)
	47	1,2-Dichloroethane	62	9.307	9.305	(0.940)	1089146	200.000	220(A)
	48	Trichloroethene	95	9.841	9.839	(0.994)	700767	200.000	204(A)
*	49	1,4-Difluorobenzene	114	9.899	9.898	(1.000)	427061	50.0000	
	50	Dibromomethane	93	10.305	10.315	(1.041)	538662	200.000	212(A)
	51	1,2-Dichloropropane	63	10.421	10.420	(1.053)	656217	200.000	218(A)
	52	Bromodichloromethane	83	10.514	10.513	(1.062)	1042534	200.000	201(A)
	53	cis-1,3-dichloropropene	75	11.164	11.163	(1.128)	1115033	200.000	215(A)
	54	1,4-Dioxane	88	10.874	10.791	(1.099)	110337	4000.00	3980
$	55	Toluene-D8	98	11.362	11.372	(1.148)	2107450	200.000	196
	56	2-Chloroethylvinylether	63	11.130	11.128	(1.124)	361432	200.000	199
	57	Toluene	92	11.420	11.418	(1.154)	1467113	200.000	194
	58	4-methyl-2-pentanone	43	11.884	11.871	(1.201)	3343271	1000.00	995
	59	Tetrachloroethene	164	11.861	11.871	(0.908)	516065	200.000	240(A)
	60	trans-1,3-Dichloropropene	75	11.919	11.918	(1.204)	977027	200.000	216(A)
	61	1,1,2-Trichloroethane	83	12.105	12.103	(1.223)	509332	200.000	222(A)
	62	Dibromochloromethane	129	12.325	12.324	(0.943)	788978	200.000	236(A)
	63	1,3-Dichloropropane	76	12.418	12.417	(0.950)	897139	200.000	225(A)
	64	1,2-Dibromoethane	107	12.569	12.568	(1.270)	712888	200.000	216(A)
	65	2-Hexanone	43	12.801	12.800	(0.980)	2298538	1000.00	1020(A)
*	66	Chlorobenzene-D5	117	13.068	13.067	(1.000)	327071	50.0000	
	67	Chlorobenzene	112	13.080	13.079	(1.001)	1667525	200.000	216(A)
	68	Ethylbenzene	91	13.103	13.102	(1.003)	2782627	200.000	225(A)
	69	1,1,1,2-Tetrachloroethane	131	13.138	13.137	(1.005)	632338	200.000	224(A)
M	70	Xylenes (total)	106				2981313	600.000	(a)
	71	m+p-Xylenes	106	13.231	13.229	(1.012)	1968460	400.000	438(A)
	72	o-Xylene	106	13.579	13.578	(1.039)	1012853	200.000	226(A)
	73	Styrene	104	13.626	13.624	(1.043)	1592977	200.000	216(A)
	74	Bromoform	173	13.649	13.647	(1.044)	512699	200.000	246(A)
	75	Isopropylbenzene	105	13.811	13.822	(0.936)	2579889	200.000	210(A)
$	76	P-Bromofluorobenzene	95	14.020	14.019	(1.416)	873339	200.000	203(A)

Data File: \\Target_server\GG\chem\gcms-m.i\M102605.b\M9811.D
Report Date: 31-Oct-2005 14:15

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/kg)	AMOUNTS ON-COL (ug/kg)
77	cis-1,4-Dichloro-2-Butene	53	14.067	14.065	(0.954)	287745	200.000	214(A)
78	trans-1,4-Dichloro-2-Butene	53	14.276	14.274	(0.968)	274312	200.000	204(A)
79	Bromobenzene	156	14.102	14.100	(0.956)	669779	200.000	186
80	N-Propylbenzene	91	14.113	14.112	(0.957)	3099087	200.000	186
81	1,1,2,2-Tetrachloroethane	83	14.160	14.158	(0.960)	685384	200.000	190
82	1,3,5-Trimethylbenzene	105	14.241	14.240	(0.965)	1770078	200.000	162
83	2-Chlorotoluene	91	14.218	14.216	(0.964)	2082713	200.000	178
84	1,2,3-Trichloropropane	75	14.763	14.762	(1.001)	471741	200.000	200(A)
85	4-Chlorotoluene	91	14.334	14.332	(0.972)	1838734	200.000	180
86	tert-Butylbenzene	119	14.450	14.448	(0.980)	2541610	200.000	199
87	Pentachloroethane	117	14.473	14.472	(0.981)	603696	200.000	198
88	1,2,4-Trimethylbenzene	105	14.496	14.495	(0.983)	2027041	200.000	181
89	P-Isopropyltoluene	119	14.647	14.646	(0.993)	2230448	200.000	190
90	1,3-Dichlorobenzene	146	14.705	14.704	(0.997)	1261220	200.000	197
* 91	1,4-Dichlorobenzene-D4	152	14.752	14.750	(1.000)	163389	50.0000	
92	1,4-Dichlorobenzene	146	14.763	14.762	(1.001)	1100467	200.000	185
93	N-Butylbenzene	91	14.891	14.890	(1.009)	1846435	200.000	167
94	sec-Butylbenzene	105	14.554	14.565	(0.987)	2434428	200.000	197
95	1,2-Dichlorobenzene	146	15.007	15.006	(1.017)	1163403	200.000	193
96	1,2-Dibromo-3-Chloropropane	75	15.506	15.505	(1.051)	327230	200.000	187
97	1,3,5-Trichlorobenzene	180	15.518	15.517	(1.684)	960651	200.000	197
98	Hexachlorobutadiene	225	15.901	15.900	(1.078)	450826	200.000	211(A)
99	1,2,4-Trichlorobenzene	180	15.936	15.935	(1.080)	758072	200.000	201(A)
100	1,2,3-Trimethylbenzene	105	14.763	14.762	(1.602)	2304246	200.000	196
101	Naphthalene	128	16.168	16.167	(1.096)	1552374	200.000	194
102	1,2,3-Trichlorobenzene	180	16.307	16.318	(1.105)	649976	200.000	184
103	Methyl Acetate	43	4.826	4.836	(0.524)	593914	200.000	228(A)
104	Methylcyclohexane	83	9.806	9.805	(1.064)	796706	200.000	179

QC Flag Legend

T - Target compound detected outside RT window.
a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Lab File ID: ZB213 BFB Injection Date: 10/28/05

Instrument ID: GCMS-Z BFB Injection Time: 0658

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

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	52.0
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.3
173	Less than 2.0% of mass 174	0.5 (0.5)1
174	Greater than 50.0% of mass 95	99.8
175	5.0 - 9.0% of mass 174	5.2 (5.3)1
176	95.0 - 101.0% of mass 174	98.1 (98.3)1
177	5.0 - 9.0% of mass 176	7.4 (7.5)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		VSTD050Z28A	Z8067	10/28/05	0727
02	WG22163-LCS	WG22163-1	Z8068	10/28/05	0809
03	WG22163-BLANK	WG22163-2	Z8071	10/28/05	1018
04	SD-35-SS	WV5605-20RA2	Z8081	10/28/05	1656
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FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Instrument ID: GCMS-Z Calibration Date: 10/28/05 Time: 0727

Lab File ID: Z8067 Init. Calib. Date(s): 10/25/05 10/25/05

Init. Calib. Times: 0800 1118

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	
Dichlorodifluoromethane	0.5530000	0.5469400	0.5469400	0.01	-1.10		AVRG	
Chloromethane	38.387000	50.000000	0.4452700	0.1	-23.23		LINR	
Vinyl chloride	0.4700000	0.4504000	0.4504000	0.01	-4.17	20.00	AVRG	
Bromomethane	0.3140000	0.2780400	0.2780400	0.01	-11.45		AVRG	
Chloroethane	0.2600000	0.2493100	0.2493100	0.01	-4.11		AVRG	
Trichlorofluoromethane	0.9850000	1.0547000	1.0547000	0.01	7.08		AVRG	
Tertiary-butyl alcohol	4.4e-002	4.04e-002	4.04e-002	0.01	-8.18		AVRG	
1,1-Dichloroethene	0.4110000	0.3889900	0.3889900	0.1	-5.36	20.00	AVRG	
Carbon Disulfide	1.2970000	1.2781000	1.2781000	0.01	-1.46		AVRG	
Freon-113	0.4410000	0.4809700	0.4809700	0.01	9.06		AVRG	
Methylene Chloride	46.779000	50.000000	0.4844200	0.01	-6.44		LINR	
Acetone	2.6e-002	2.11e-002	2.11e-002	0.01	-18.85		AVRG	
trans-1,2-Dichloroethene	0.4530000	0.4466200	0.4466200	0.01	-1.41		AVRG	
Methyl tert-butyl ether	1.3990000	1.3834000	1.3834000	0.01	-1.12		AVRG	
Di-isopropyl ether	1.4650000	1.4525000	1.4525000	0.01	-0.85		AVRG	
1,1-Dichloroethane	0.8790000	0.8760400	0.8760400	0.3	-0.34		AVRG	
Ethyl tertiary-butyl ether	1.6280000	1.6400000	1.6400000	0.01	0.74		AVRG	
Vinyl Acetate	0.8320000	0.8864200	0.8864200	0.01	6.54		AVRG	
cis-1,2-Dichloroethene	0.4760000	0.4300100	0.4300100	0.01	-9.66		AVRG	
1,2-Dichloroethylene (total)	0.0000000	0.4383200	0.4383200	0.01	0.00		AVRG	<-
2,2-Dichloropropane	0.8020000	0.8382200	0.8382200	0.01	4.52		AVRG	
Bromochloromethane	0.2310000	0.2277300	0.2277300	0.01	-1.42		AVRG	
Chloroform	1.0000000	1.0455000	1.0455000	0.01	4.55	20.00	AVRG	
Carbon Tetrachloride	0.6860000	0.7604300	0.7604300	0.01	10.85		AVRG	
1,1,1-Trichloroethane	0.9140000	0.9734000	0.9734000	0.01	6.50		AVRG	
1,1-Dichloropropene	0.5080000	0.5531500	0.5531500	0.01	8.89		AVRG	
2-Butanone	3.7e-002	3.5e-002	3.5e-002	0.01	-5.40		AVRG	
Benzene	1.1520000	1.1447000	1.1447000	0.01	-0.63		AVRG	
Tertiary-amyl methyl ether	1.2100000	1.1947000	1.1947000	0.01	-1.26		AVRG	

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Instrument ID: GCMS-Z Calibration Date: 10/28/05 Time: 0727

Lab File ID: Z8067 Init. Calib. Date(s): 10/25/05 10/25/05

Init. Calib. Times: 0800 1118

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	
1,2-Dichloroethane	0.6570000	0.6905900	0.6905900	0.01	5.11		AVRG	
Trichloroethene	0.3880000	0.4093600	0.4093600	0.01	5.50		AVRG	
Dibromomethane	0.2140000	0.2181200	0.2181200	0.01	1.92		AVRG	
1,2-Dichloropropane	0.2830000	0.2894200	0.2894200	0.01	2.27	20.00	AVRG	
Bromodichloromethane	0.6220000	0.6418200	0.6418200	0.01	3.19		AVRG	
cis-1,3-dichloropropene	0.5610000	0.5902600	0.5902600	0.01	5.22		AVRG	
2-Chloroethylvinylether	45.451000	50.000000	0.1012200	0.01	-9.10		LINR	
Toluene	0.7640000	0.7761700	0.7761700	0.01	1.59	20.00	AVRG	
4-methyl-2-pentanone	0.3080000	0.2962500	0.2962500	0.01	-3.81		AVRG	
Tetrachloroethene	0.4460000	0.4610400	0.4610400	0.01	3.37		AVRG	
trans-1,3-Dichloropropene	0.5390000	0.5607400	0.5607400	0.01	4.03		AVRG	
Dibromochloromethane	0.5850000	0.6055500	0.6055500	0.01	3.51		AVRG	
1,3-Dichloropropane	0.5450000	0.5511500	0.5511500	0.01	1.13		AVRG	
1,2-Dibromoethane	0.3340000	0.3482700	0.3482700	0.01	4.27		AVRG	
2-Hexanone	0.2590000	0.2384700	0.2384700	0.01	-7.93		AVRG	
Chlorobenzene	1.1060000	1.1305000	1.1305000	0.3	2.22		AVRG	
Ethylbenzene	1.8710000	1.9056000	1.9056000	0.01	1.85	20.00	AVRG	
1,1,1,2-Tetrachloroethane	0.5120000	0.5244900	0.5244900	0.01	2.44		AVRG	
Xylenes (total)	0.0000000	0.6723600	0.6723600	0.01	0.00		AVRG	<-
m+p-Xylenes	0.6670000	0.6829200	0.6829200	0.01	2.39		AVRG	
o-Xylene	0.6460000	0.6512400	0.6512400	0.01	0.81		AVRG	
Styrene	1.0960000	1.0775000	1.0775000	0.01	-1.69		AVRG	
Bromoform	0.4300000	0.4373500	0.4373500	0.1	1.71		AVRG	
Isopropylbenzene	2.7720000	2.9076000	2.9076000	0.01	4.89		AVRG	
Bromobenzene	1.0250000	1.0568000	1.0568000	0.01	3.10		AVRG	
N-Propylbenzene	3.5840000	3.7999000	3.7999000	0.01	6.02		AVRG	
1,1,2,2-Tetrachloroethane	0.6400000	0.6241300	0.6241300	0.3	-2.48		AVRG	
2-Chlorotoluene	2.5880000	2.6855000	2.6855000	0.01	3.77		AVRG	
1,2,3-Trichloropropane	0.8380000	0.5894100	0.5894100	0.01	-29.66		AVRG	

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Instrument ID: GCMS-Z Calibration Date: 10/28/05 Time: 0727

Lab File ID: Z8067 Init. Calib. Date(s): 10/25/05 10/25/05

Init. Calib. Times: 0800 1118

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
4-Chlorotoluene	2.3490000	2.5071000	2.5071000	0.01	6.73		AVRG
tert-Butylbenzene	3.0500000	3.0280000	3.0280000	0.01	-0.72		AVRG
1,2,4-Trimethylbenzene	2.7160000	2.8397000	2.8397000	0.01	4.55		AVRG
P-Isopropyltoluene	2.8230000	3.0338000	3.0338000	0.01	7.47		AVRG
1,3-Dichlorobenzene	1.7210000	1.8869000	1.8869000	0.01	9.64		AVRG
1,4-Dichlorobenzene	1.6730000	1.8020000	1.8020000	0.01	7.71		AVRG
N-Butylbenzene	2.5620000	2.7474000	2.7474000	0.01	7.24		AVRG
sec-Butylbenzene	3.2790000	3.4440000	3.4440000	0.01	5.03		AVRG
1,2-Dichlorobenzene	1.5860000	1.6996000	1.6996000	0.01	7.16		AVRG
1,2-Dibromo-3-Chloropropane	0.3750000	0.4305400	0.4305400	0.01	14.81		AVRG
Hexachlorobutadiene	0.7660000	0.8777500	0.8777500	0.01	14.59		AVRG
1,2,4-Trichlorobenzene	1.2110000	1.3542000	1.3542000	0.01	11.82		AVRG
1,2,3-Trimethylbenzene	1.6520000	1.7872000	1.7872000	0.01	8.18		AVRG
Naphthalene	1.6870000	1.6727000	1.6727000	0.01	-0.85		AVRG
1,2,3-Trichlorobenzene	1.0340000	1.1982000	1.1982000	0.01	15.88		AVRG
Dibromofluoromethane	0.5870000	0.5671200	0.5671200	0.01	-3.39		AVRG
1,2-Dichloroethane-D4	0.7170000	0.7060800	0.7060800	0.01	-1.52		AVRG
Toluene-D8	1.1630000	1.1674000	1.1674000	0.01	0.38		AVRG
P-Bromofluorobenzene	0.5000000	0.5219300	0.5219300	0.01	4.39		AVRG

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: Middle River
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 28-OCT-2005 10:18
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 100

Lab ID: WG22163-2
Client ID: WG22163-Blank
SDG: MID-6
Extracted by:
Extraction Method: SW846 5035
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22163
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	10	1.0	10	10	2
74-87-3	Chloromethane	U	10	1.0	10	10	1.0
75-01-4	Vinyl chloride	U	10	1.0	10	10	2
74-83-9	Bromomethane	U	10	1.0	10	10	2
75-00-3	Chloroethane	U	10	1.0	10	10	1
75-69-4	Trichlorofluoromethane	U	10	1.0	10	10	2
75-65-0	Tertiary-butyl alcohol	U	10	1.0	10	10	7
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	1
75-15-0	Carbon Disulfide	U	5	1.0	5	5	2
76-13-1	Freon-113	U	5	1.0	5	5	2
75-09-2	Methylene Chloride	J	4	1.0	5	5	2
67-64-1	Acetone	U	25	1.0	25	25	4
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.9
1634-04-4	Methyl tert-butyl ether	U	10	1.0	10	10	0.7
108-20-3	Di-isopropyl ether	U	5	1.0	5	5	0.4
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	1
637-92-3	Ethyl tertiary-butyl ether	U	5	1.0	5	5	0.3
108-05-4	Vinyl Acetate	U	5	1.0	5	5	0.2
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.7
540-59-0	1,2-Dichloroethylene (total)	U	10	1.0	10	10	2
594-20-7	2,2-Dichloropropane	U	5	1.0	5	5	2
74-97-5	Bromochloromethane	U	5	1.0	5	5	1
67-66-3	Chloroform	U	5	1.0	5	5	0.8
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	1
563-58-6	1,1-Dichloropropene	U	5	1.0	5	5	1
78-93-3	2-Butanone	U	25	1.0	25	25	3
71-43-2	Benzene	U	5	1.0	5	5	0.8
994-05-8	Tertiary-amyl methyl ether	U	5	1.0	5	5	0.4
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.6
79-01-6	Trichloroethene	U	5	1.0	5	5	0.8
74-95-3	Dibromomethane	U	5	1.0	5	5	0.5
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.7
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.5
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.3
110-75-8	2-Chloroethylvinylether	U	5	1.0	5	5	1.0
108-88-3	Toluene	U	5	1.0	5	5	0.9
108-10-1	4-methyl-2-pentanone	U	25	1.0	25	25	4
127-18-4	Tetrachloroethene	U	5	1.0	5	5	1
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.6
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.5
142-28-9	1,3-Dichloropropane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.5

Sample Data Summary A0000099

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: Middle River
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 28-OCT-2005 10:18
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 100

Lab ID: WG22163-2
Client ID: WG22163-Blank
SDG: MID-6
Extracted by:
Extraction Method: SW846 5035
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22163
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	25	1.0	25	25	4
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.7
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.8
630-20-6	1,1,1,2-Tetrachloroethane	U	5	1.0	5	5	0.5
1330-20-7	Xylenes (total)	U	15	1.0	15	15	2
	m+p-Xylenes	U	10	1.0	10	10	1
95-47-6	o-Xylene	U	5	1.0	5	5	0.6
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.6
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.8
108-86-1	Bromobenzene	U	5	1.0	5	5	1
103-65-1	N-Propylbenzene	U	5	1.0	5	5	0.7
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	1
95-49-8	2-Chlorotoluene	U	5	1.0	5	5	0.7
96-18-4	1,2,3-Trichloropropane	U	5	1.0	5	5	0.8
106-43-4	4-Chlorotoluene	U	5	1.0	5	5	0.5
98-06-6	tert-Butylbenzene	U	5	1.0	5	5	0.7
95-63-6	1,2,4-Trimethylbenzene	U	5	1.0	5	5	0.6
99-87-6	P-Isopropyltoluene	U	5	1.0	5	5	0.7
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.3
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.3
104-51-8	N-Butylbenzene	U	5	1.0	5	5	0.7
135-98-8	sec-Butylbenzene	U	5	1.0	5	5	1.0
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.3
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.8
87-68-3	Hexachlorobutadiene	U	5	1.0	5	5	0.8
120-82-1	1,2,4-Trichlorobenzene	U	5	1.0	5	5	0.9
526-73-8	1,2,3-Trimethylbenzene	U	5	1.0	5	5	0.3
91-20-3	Naphthalene	U	5	1.0	5	5	2
87-61-6	1,2,3-Trichlorobenzene	U	5	1.0	5	5	1
1868-53-7	Dibromofluoromethane		99%				
17060-07-0	1,2-Dichloroethane-D4		94%				
2037-26-5	Toluene-D8		96%				
460-00-4	P-Bromofluorobenzene		99%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

WG22163-Blank

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Matrix: (soil/water) SOIL Lab Sample ID: WG22163-2

Sample wt/vol: 5.000(g/mL) G Lab File ID: Z8071

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/28/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
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21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: Middle River
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 10/28/05
Report Date: 11/01/2005
Matrix: SOIL

Lab ID: WG22163-1
Client ID: WG22163-LCS
SDG: MID-6
Extracted by:
Extraction Method: SW846 5035
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22163
Units: ug/Kg

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
Dichlorodifluoromethane	50	NA	71	142	13-217
Chloromethane	50	NA	48	96	36-165
Vinyl chloride	50	NA	57	114	47-159
Bromomethane	50	NA	44	88	43-181
Chloroethane	50	NA	50	100	54-157
Trichlorofluoromethane	50	NA	54	107	62-138
Tertiary-butyl alcohol	250	NA	213	85	74-127
1,1-Dichloroethene	50	NA	49	98	68-141
Carbon Disulfide	50	NA	52	104	45-141
Freon-113	50	NA	48	96	62-142
Methylene Chloride	50	NA	49	97	34-171
Acetone	50	NA	74	149	44-226
trans-1,2-Dichloroethene	50	NA	51	102	72-133
Methyl tert-butyl ether	100	NA	98	98	11-259
Di-isopropyl ether	50	NA	50	99	74-126
1,1-Dichloroethane	50	NA	51	101	75-130
Ethyl tertiary-butyl ether	50	NA	48	97	75-125
Vinyl Acetate	50	NA	40	80	59-162
cis-1,2-Dichloroethene	50	NA	50	100	67-129
1,2-Dichloroethylene (total)	100	NA	101	101	70-130
2,2-Dichloropropane	50	NA	51	102	70-138
Bromochloromethane	50	NA	52	103	73-122
Chloroform	50	NA	50	100	73-127
Carbon Tetrachloride	50	NA	53	107	75-130
1,1,1-Trichloroethane	50	NA	53	106	71-129
1,1-Dichloropropene	50	NA	55	110	84-121
2-Butanone	50	NA	95	190	22-267
Benzene	50	NA	51	102	76-123
Tertiary-amyl methyl ether	50	NA	48	96	73-126
1,2-Dichloroethane	50	NA	53	105	80-123
Trichloroethene	50	NA	54	108	75-136
Dibromomethane	50	NA	48	97	83-121
1,2-Dichloropropane	50	NA	53	105	77-123
Bromodichloromethane	50	NA	49	98	78-107
cis-1,3-dichloropropene	50	NA	52	105	76-125
2-Chloroethylvinylether	50	NA	40	80	0-159
Toluene	50	NA	53	105	76-121
4-methyl-2-pentanone	50	NA	52	104	69-148
Tetrachloroethene	50	NA	55	110	87-114
trans-1,3-Dichloropropene	50	NA	55	111	80-136
Dibromochloromethane	50	NA	52	103	87-114
1,3-Dichloropropane	50	NA	52	103	86-113
1,2-Dibromoethane	50	NA	50	101	81-120
2-Hexanone	50	NA	53	106	67-157
Chlorobenzene	50	NA	52	105	90-111

FORM III VOA-2
Z8068.D

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: Middle River
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 10/28/05
Report Date: 11/01/2005
Matrix: SOIL

Lab ID: WG22163-1
Client ID: WG22163-LCS
SDG: MID-6
Extracted by:
Extraction Method: SW846 5035
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22163
Units: ug/Kg

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.		%REC.	QC. LIMITS
Ethylbenzene	50	NA	54		107	89-111
1,1,1,2-Tetrachloroethane	50	NA	54		108	89-110
Xylenes (total)	150	NA	163		109	91-113
m+p-Xylenes	100	NA	110		110	91-113
o-Xylene	50	NA	54		108	91-112
Styrene	50	NA	52		105	85-114
Bromoform	50	NA	50		100	92-113
Isopropylbenzene	50	NA	57		114	89-132
Bromobenzene	50	NA	51		102	87-109
N-Propylbenzene	50	NA	53		106	86-119
1,1,2,2-Tetrachloroethane	50	NA	52		103	77-119
2-Chlorotoluene	50	NA	53		105	78-120
1,2,3-Trichloropropane	50	NA	35	*	69	83-115
4-Chlorotoluene	50	NA	54		108	84-118
tert-Butylbenzene	50	NA	50		100	76-128
1,2,4-Trimethylbenzene	50	NA	52		103	83-118
P-Isopropyltoluene	50	NA	56		112	91-120
1,3-Dichlorobenzene	50	NA	55		110	90-113
1,4-Dichlorobenzene	50	NA	54		108	89-112
N-Butylbenzene	50	NA	57		115	80-122
sec-Butylbenzene	50	NA	52		105	86-118
1,2-Dichlorobenzene	50	NA	53		105	90-110
1,2-Dibromo-3-Chloropropane	50	NA	51		102	66-137
Hexachlorobutadiene	50	NA	58		117	80-117
1,2,4-Trichlorobenzene	50	NA	57		114	75-128
1,2,3-Trimethylbenzene	50	NA	52		103	80-126
Naphthalene	50	NA	52		104	72-117
1,2,3-Trichlorobenzene	50	NA	58		116	72-126

FORM III VOA-2
Z8068.D

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Lab File ID (Standard): Z8067 Date Analyzed: 10/28/05

Instrument ID: GCMS-Z Time Analyzed: 0727

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

		IS1(PFB)		IS2(DFB)		IS3(CBZ)	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		390710	8.46	467396	9.29	404678	12.53
UPPER LIMIT		781420	8.96	934792	9.79	809356	13.03
LOWER LIMIT		195355	7.96	233698	8.79	202339	12.03
	CLIENT SAMPLE ID	LAB SAMPLE ID					
01	WG22163-LCS	WG22163-1	408852	8.46	494546	9.30	406845	12.52
02	WG22163-BLANK	WG22163-2	379608	8.46	455046	9.30	393954	12.52
03	SD-35-SS	WV5605-20RA2	364563	8.46	426385	9.30	304933	12.52
04								
05								
06								
07								
08								
09								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

IS1 (PFB) = Pentafluorobenzene
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-D5

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 values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Lab File ID (Standard): Z8067 Date Analyzed: 10/28/05

Instrument ID: GCMS-Z Time Analyzed: 0727

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

		IS4(DCB) AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		240552	14.35				
UPPER LIMIT		481104	14.85				
LOWER LIMIT		120276	13.85				
	CLIENT SAMPLE ID	LAB SAMPLE ID					
01	WG22163-LCS	WG22163-1	247924	14.36			
02	WG22163-BLANK	WG22163-2	228776	14.36			
03	SD-35-SS	WV5605-20RA2	137631	14.37			
04							
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

IS4 (DCB) = 1,4-Dichlorobenzene-D4

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 values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Lab File ID: ZB214 BFB Injection Date: 10/29/05

Instrument ID: GCMS-Z BFB Injection Time: 0947

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	21.5
75	30.0 - 60.0% of mass 95	57.8
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	8.2
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	120.4
175	5.0 - 9.0% of mass 174	10.2 (8.5)1
176	95.0 - 101.0% of mass 174	120.7 (100.3)1
177	5.0 - 9.0% of mass 176	6.7 (5.6)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		VSTD050Z29A	Z8086	10/29/05	1015
02	WG22197-LCS	WG22197-1	Z8087	10/29/05	1057
03	WG22197-BLANK	WG22197-3	Z8089	10/29/05	1219
04	SD-27-SSMS	WG22197-4	Z8093	10/29/05	1457
05	SD-27-SSMSD	WG22197-5	Z8094	10/29/05	1537
06	SD-31-02MS	WG22197-6	Z8095	10/29/05	1617
07	SD-31-02MSD	WG22197-7	Z8096	10/29/05	1656
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Instrument ID: GCMS-Z Calibration Date: 10/29/05 Time: 1015

Lab File ID: Z8086 Init. Calib. Date(s): 10/25/05 10/25/05

Init. Calib. Times: 0800 1118

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	
Dichlorodifluoromethane	0.5530000	0.5669500	0.5669500	0.01	2.52		AVRG	
Chloromethane	29.145000	50.000000	0.3290000	0.1	-41.71		LINR	
Vinyl chloride	0.4700000	0.4296100	0.4296100	0.01	-8.59	20.00	AVRG	
Bromomethane	0.3140000	0.2340700	0.2340700	0.01	-25.46		AVRG	
Chloroethane	0.2600000	0.2374900	0.2374900	0.01	-8.66		AVRG	
Trichlorofluoromethane	0.9850000	1.0208000	1.0208000	0.01	3.63		AVRG	
Tertiary-butyl alcohol	4.4e-002	4.58e-002	4.58e-002	0.01	4.09		AVRG	
1,1-Dichloroethene	0.4110000	0.3816700	0.3816700	0.1	-7.14	20.00	AVRG	
Carbon Disulfide	1.2970000	1.1758000	1.1758000	0.01	-9.34		AVRG	
Freon-113	0.4410000	0.4306500	0.4306500	0.01	-2.35		AVRG	
Methylene Chloride	46.566000	50.000000	0.4822700	0.01	-6.87		LINR	
Acetone	2.6e-002	2.46e-002	2.46e-002	0.01	-5.38		AVRG	
trans-1,2-Dichloroethene	0.4530000	0.4007000	0.4007000	0.01	-11.54		AVRG	
Methyl tert-butyl ether	1.3990000	1.3866000	1.3866000	0.01	-0.89		AVRG	
Di-isopropyl ether	1.4650000	1.4247000	1.4247000	0.01	-2.75		AVRG	
1,1-Dichloroethane	0.8790000	0.8125500	0.8125500	0.3	-7.56		AVRG	
Ethyl tertiary-butyl ether	1.6280000	1.5978000	1.5978000	0.01	-1.86		AVRG	
Vinyl Acetate	0.8320000	0.8684500	0.8684500	0.01	4.38		AVRG	
cis-1,2-Dichloroethene	0.4760000	0.4353500	0.4353500	0.01	-8.54		AVRG	
1,2-Dichloroethylene (total)	0.0000000	0.4180200	0.4180200	0.01	0.00		AVRG	<-
2,2-Dichloropropane	0.8020000	0.8031500	0.8031500	0.01	0.14		AVRG	
Bromochloromethane	0.2310000	0.2188700	0.2188700	0.01	-5.25		AVRG	
Chloroform	1.0000000	0.9687900	0.9687900	0.01	-3.12	20.00	AVRG	
Carbon Tetrachloride	0.6860000	0.7422300	0.7422300	0.01	8.20		AVRG	
1,1,1-Trichloroethane	0.9140000	0.9429400	0.9429400	0.01	3.17		AVRG	
1,1-Dichloropropene	0.5080000	0.5339900	0.5339900	0.01	5.12		AVRG	
2-Butanone	3.7e-002	3.55e-002	3.55e-002	0.01	-4.05		AVRG	
Benzene	1.1520000	1.1031000	1.1031000	0.01	-4.24		AVRG	
Tertiary-amyl methyl ether	1.2100000	1.2234000	1.2234000	0.01	1.11		AVRG	

FORM VII PEST

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Instrument ID: GCMS-Z Calibration Date: 10/29/05 Time: 1015

Lab File ID: Z8086 Init. Calib. Date(s): 10/25/05 10/25/05

Init. Calib. Times: 0800 1118

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	
1,2-Dichloroethane	0.6570000	0.7454600	0.7454600	0.01	13.46		AVRG	
Trichloroethene	0.3880000	0.4024600	0.4024600	0.01	3.73		AVRG	
Dibromomethane	0.2140000	0.2307600	0.2307600	0.01	7.83		AVRG	
1,2-Dichloropropane	0.2830000	0.2853900	0.2853900	0.01	0.84	20.00	AVRG	
Bromodichloromethane	0.6220000	0.6694200	0.6694200	0.01	7.62		AVRG	
cis-1,3-dichloropropene	0.5610000	0.5858200	0.5858200	0.01	4.42		AVRG	
2-Chloroethylvinylether	45.393000	50.000000	0.1010800	0.01	-9.21		LINR	
Toluene	0.7640000	0.7282400	0.7282400	0.01	-4.68	20.00	AVRG	
4-methyl-2-pentanone	0.3080000	0.3149000	0.3149000	0.01	2.24		AVRG	
Tetrachloroethene	0.4460000	0.4747000	0.4747000	0.01	6.44		AVRG	
trans-1,3-Dichloropropene	0.5390000	0.5532400	0.5532400	0.01	2.64		AVRG	
Dibromochloromethane	0.5850000	0.6164000	0.6164000	0.01	5.37		AVRG	
1,3-Dichloropropane	0.5450000	0.5269300	0.5269300	0.01	-3.32		AVRG	
1,2-Dibromoethane	0.3340000	0.3460900	0.3460900	0.01	3.62		AVRG	
2-Hexanone	0.2590000	0.2646800	0.2646800	0.01	2.19		AVRG	
Chlorobenzene	1.1060000	1.0539000	1.0539000	0.3	-4.71		AVRG	
Ethylbenzene	1.8710000	1.7981000	1.7981000	0.01	-3.90	20.00	AVRG	
1,1,1,2-Tetrachloroethane	0.5120000	0.5121600	0.5121600	0.01	0.03		AVRG	
Xylenes (total)	0.0000000	0.6232800	0.6232800	0.01	0.00		AVRG	<-
m+p-Xylenes	0.6670000	0.6265600	0.6265600	0.01	-6.06		AVRG	
o-Xylene	0.6460000	0.6167200	0.6167200	0.01	-4.53		AVRG	
Styrene	1.0960000	1.0363000	1.0363000	0.01	-5.45		AVRG	
Bromoform	0.4300000	0.4458200	0.4458200	0.1	3.68		AVRG	
Isopropylbenzene	2.7720000	2.6233000	2.6233000	0.01	-5.36		AVRG	
Bromobenzene	1.0250000	0.9770700	0.9770700	0.01	-4.68		AVRG	
N-Propylbenzene	3.5840000	3.3771000	3.3771000	0.01	-5.77		AVRG	
1,1,2,2-Tetrachloroethane	0.6400000	0.6529800	0.6529800	0.3	2.03		AVRG	
2-Chlorotoluene	2.5880000	2.4752000	2.4752000	0.01	-4.36		AVRG	
1,2,3-Trichloropropane	0.8380000	0.5827500	0.5827500	0.01	-30.46		AVRG	

FORM VII PEST

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Instrument ID: GCMS-Z Calibration Date: 10/29/05 Time: 1015

Lab File ID: Z8086 Init. Calib. Date(s): 10/25/05 10/25/05

Init. Calib. Times: 0800 1118

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
4-Chlorotoluene	2.3490000	2.1988000	2.1988000	0.01	-6.39		AVRG
tert-Butylbenzene	3.0500000	2.8148000	2.8148000	0.01	-7.71		AVRG
1,2,4-Trimethylbenzene	2.7160000	2.5976000	2.5976000	0.01	-4.36		AVRG
P-Isopropyltoluene	2.8230000	2.7014000	2.7014000	0.01	-4.31		AVRG
1,3-Dichlorobenzene	1.7210000	1.6668000	1.6668000	0.01	-3.15		AVRG
1,4-Dichlorobenzene	1.6730000	1.6072000	1.6072000	0.01	-3.93		AVRG
N-Butylbenzene	2.5620000	2.4711000	2.4711000	0.01	-3.55		AVRG
sec-Butylbenzene	3.2790000	3.0539000	3.0539000	0.01	-6.86		AVRG
1,2-Dichlorobenzene	1.5860000	1.6008000	1.6008000	0.01	0.93		AVRG
1,2-Dibromo-3-Chloropropane	0.3750000	0.4008800	0.4008800	0.01	6.90		AVRG
Hexachlorobutadiene	0.7660000	0.7776800	0.7776800	0.01	1.52		AVRG
1,2,4-Trichlorobenzene	1.2110000	1.2403000	1.2403000	0.01	2.42		AVRG
1,2,3-Trimethylbenzene	1.6520000	1.5937000	1.5937000	0.01	-3.53		AVRG
Naphthalene	1.6870000	1.6296000	1.6296000	0.01	-3.40		AVRG
1,2,3-Trichlorobenzene	1.0340000	1.0622000	1.0622000	0.01	2.73		AVRG
Dibromofluoromethane	0.5870000	0.6059000	0.6059000	0.01	3.22		AVRG
1,2-Dichloroethane-D4	0.7170000	0.7602000	0.7602000	0.01	6.02		AVRG
Toluene-D8	1.1630000	1.2296000	1.2296000	0.01	5.73		AVRG
P-Bromofluorobenzene	0.5000000	0.5482300	0.5482300	0.01	9.65		AVRG

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: Middle River
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 29-OCT-2005 12:19
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 100

Lab ID: WG22197-3
Client ID: WG22197-Blank
SDG: MID-6
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22197
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	10	1.0	10	10	2
74-87-3	Chloromethane	U	10	1.0	10	10	1.0
75-01-4	Vinyl chloride	U	10	1.0	10	10	2
74-83-9	Bromomethane	U	10	1.0	10	10	2
75-00-3	Chloroethane	U	10	1.0	10	10	1
75-69-4	Trichlorofluoromethane	U	10	1.0	10	10	2
75-65-0	Tertiary-butyl alcohol	U	10	1.0	10	10	7
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	1
75-15-0	Carbon Disulfide	U	5	1.0	5	5	2
76-13-1	Freon-113	U	5	1.0	5	5	2
75-09-2	Methylene Chloride	J	4	1.0	5	5	2
67-64-1	Acetone	U	25	1.0	25	25	4
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.9
1634-04-4	Methyl tert-butyl ether	U	10	1.0	10	10	0.7
108-20-3	Di-isopropyl ether	U	5	1.0	5	5	0.4
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	1
637-92-3	Ethyl tertiary-butyl ether	U	5	1.0	5	5	0.3
108-05-4	Vinyl Acetate	U	5	1.0	5	5	0.2
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.7
540-59-0	1,2-Dichloroethylene (total)	U	10	1.0	10	10	2
594-20-7	2,2-Dichloropropane	U	5	1.0	5	5	2
74-97-5	Bromochloromethane	U	5	1.0	5	5	1
67-66-3	Chloroform	U	5	1.0	5	5	0.8
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	1
563-58-6	1,1-Dichloropropene	U	5	1.0	5	5	1
78-93-3	2-Butanone	U	25	1.0	25	25	3
71-43-2	Benzene	U	5	1.0	5	5	0.8
994-05-8	Tertiary-amyl methyl ether	U	5	1.0	5	5	0.4
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.6
79-01-6	Trichloroethene	U	5	1.0	5	5	0.8
74-95-3	Dibromomethane	U	5	1.0	5	5	0.5
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.7
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.5
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.3
110-75-8	2-Chloroethylvinylether	U	5	1.0	5	5	1.0
108-88-3	Toluene	U	5	1.0	5	5	0.9
108-10-1	4-methyl-2-pentanone	U	25	1.0	25	25	4
127-18-4	Tetrachloroethene	U	5	1.0	5	5	1
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.6
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.5
142-28-9	1,3-Dichloropropane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.5

Sample Data Summary A0000102

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: Middle River
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 29-OCT-2005 12:19
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 100

Lab ID: WG22197-3
Client ID: WG22197-Blank
SDG: MID-6
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22197
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	25	1.0	25	25	4
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.7
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.8
630-20-6	1,1,1,2-Tetrachloroethane	U	5	1.0	5	5	0.5
1330-20-7	Xylenes (total)	U	15	1.0	15	15	2
	m+p-Xylenes	U	10	1.0	10	10	1
95-47-6	o-Xylene	U	5	1.0	5	5	0.6
100-42-5	Styrene	J	0.4	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.6
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.8
108-86-1	Bromobenzene	U	5	1.0	5	5	1
103-65-1	N-Propylbenzene	U	5	1.0	5	5	0.7
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	1
95-49-8	2-Chlorotoluene	U	5	1.0	5	5	0.7
96-18-4	1,2,3-Trichloropropane	U	5	1.0	5	5	0.8
106-43-4	4-Chlorotoluene	U	5	1.0	5	5	0.5
98-06-6	tert-Butylbenzene	U	5	1.0	5	5	0.7
95-63-6	1,2,4-Trimethylbenzene	U	5	1.0	5	5	0.6
99-87-6	P-Isopropyltoluene	U	5	1.0	5	5	0.7
541-73-1	1,3-Dichlorobenzene	J	0.4	1.0	5	5	0.3
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.3
104-51-8	N-Butylbenzene	U	5	1.0	5	5	0.7
135-98-8	sec-Butylbenzene	U	5	1.0	5	5	1.0
95-50-1	1,2-Dichlorobenzene	J	0.4	1.0	5	5	0.3
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.8
87-68-3	Hexachlorobutadiene	U	5	1.0	5	5	0.8
120-82-1	1,2,4-Trichlorobenzene	J	1.0	1.0	5	5	0.9
526-73-8	1,2,3-Trimethylbenzene	U	5	1.0	5	5	0.3
91-20-3	Naphthalene	J	4	1.0	5	5	2
87-61-6	1,2,3-Trichlorobenzene	U	5	1.0	5	5	1
1868-53-7	Dibromofluoromethane		97%				
17060-07-0	1,2-Dichloroethane-D4		98%				
2037-26-5	Toluene-D8		91%				
460-00-4	P-Bromofluorobenzene		83%				

Sample Data Summary A0000103

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

WG22197-Blank

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Matrix: (soil/water) SOIL Lab Sample ID: WG22197-3

Sample wt/vol: 5.000(g/mL) G Lab File ID: Z8089

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/29/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
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27.					
28.					
29.					
30.					

FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: Middle River
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 10/29/05
Report Date: 11/01/2005
Matrix: SOIL

Lab ID: WG22197-1
Client ID: WG22197-LCS
SDG: MID-6
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22197
Units: ug/Kg

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
Dichlorodifluoromethane	50	NA	68	137	13-217
Chloromethane	50	NA	48	96	36-165
Vinyl chloride	50	NA	54	108	47-159
Bromomethane	50	NA	50	100	43-181
Chloroethane	50	NA	48	96	54-157
Trichlorofluoromethane	50	NA	54	108	62-138
Tertiary-butyl alcohol	250	NA	208	83	74-127
1,1-Dichloroethene	50	NA	48	96	68-141
Carbon Disulfide	50	NA	50	100	45-141
Freon-113	50	NA	47	93	62-142
Methylene Chloride	50	NA	46	93	34-171
Acetone	50	NA	58	116	44-226
trans-1,2-Dichloroethene	50	NA	49	98	72-133
Methyl tert-butyl ether	100	NA	102	102	11-259
Di-isopropyl ether	50	NA	48	97	74-126
1,1-Dichloroethane	50	NA	50	100	75-130
Ethyl tertiary-butyl ether	50	NA	49	98	75-125
Vinyl Acetate	50	NA	42	84	59-162
cis-1,2-Dichloroethene	50	NA	49	97	67-129
1,2-Dichloroethylene (total)	100	NA	98	98	70-130
2,2-Dichloropropane	50	NA	49	99	70-138
Bromochloromethane	50	NA	53	105	73-122
Chloroform	50	NA	50	100	73-127
Carbon Tetrachloride	50	NA	52	104	75-130
1,1,1-Trichloroethane	50	NA	50	100	71-129
1,1-Dichloropropene	50	NA	52	104	84-121
2-Butanone	50	NA	85	170	22-267
Benzene	50	NA	50	99	76-123
Tertiary-amyl methyl ether	50	NA	48	95	73-126
1,2-Dichloroethane	50	NA	55	110	80-123
Trichloroethene	50	NA	51	103	75-136
Dibromomethane	50	NA	53	105	83-121
1,2-Dichloropropane	50	NA	52	105	77-123
Bromodichloromethane	50	NA	48	97	78-107
cis-1,3-dichloropropene	50	NA	53	105	76-125
2-Chloroethylvinylether	50	NA	42	83	0-159
Toluene	50	NA	50	100	76-121
4-methyl-2-pentanone	50	NA	54	108	69-148
Tetrachloroethene	50	NA	57	114	87-114
trans-1,3-Dichloropropene	50	NA	55	111	80-136
Dibromochloromethane	50	NA	50	101	87-114
1,3-Dichloropropane	50	NA	51	101	86-113
1,2-Dibromoethane	50	NA	53	106	81-120
2-Hexanone	50	NA	51	101	67-157
Chlorobenzene	50	NA	51	101	90-111

FORM III VOA-2
Z8087.D

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: Middle River
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 10/29/05
Report Date: 11/01/2005
Matrix: SOIL

Lab ID: WG22197-1
Client ID: WG22197-LCS
SDG: MID-6
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22197
Units: ug/Kg

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.		%REC.	QC. LIMITS
Ethylbenzene	50	NA	48		96	89-111
1,1,1,2-Tetrachloroethane	50	NA	51		103	89-110
Xylenes (total)	150	NA	143		95	91-113
m+p-Xylenes	100	NA	94		94	91-113
o-Xylene	50	NA	49		98	91-112
Styrene	50	NA	49		98	85-114
Bromoform	50	NA	52		104	92-113
Isopropylbenzene	50	NA	50		99	89-132
Bromobenzene	50	NA	47		95	87-109
N-Propylbenzene	50	NA	46		92	86-119
1,1,2,2-Tetrachloroethane	50	NA	49		98	77-119
2-Chlorotoluene	50	NA	45		90	78-120
1,2,3-Trichloropropane	50	NA	36	*	73	83-115
4-Chlorotoluene	50	NA	46		93	84-118
tert-Butylbenzene	50	NA	44		87	76-128
1,2,4-Trimethylbenzene	50	NA	47		94	83-118
P-Isopropyltoluene	50	NA	49		97	91-120
1,3-Dichlorobenzene	50	NA	48		95	90-113
1,4-Dichlorobenzene	50	NA	48		96	89-112
N-Butylbenzene	50	NA	47		93	80-122
sec-Butylbenzene	50	NA	46		91	86-118
1,2-Dichlorobenzene	50	NA	49		98	90-110
1,2-Dibromo-3-Chloropropane	50	NA	50		99	66-137
Hexachlorobutadiene	50	NA	48		95	80-117
1,2,4-Trichlorobenzene	50	NA	50		99	75-128
1,2,3-Trimethylbenzene	50	NA	46		92	80-126
Naphthalene	50	NA	49		97	72-117
1,2,3-Trichlorobenzene	50	NA	51		103	72-126

FORM III VOA-2

Z8087.D

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Lab File ID (Standard): Z8086 Date Analyzed: 10/29/05

Instrument ID: GCMS-Z Time Analyzed: 1015

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

		IS1(PFB) AREA #	IS1(PFB) RT #	IS2(DFB) AREA #	IS2(DFB) RT #	IS3(CBZ) AREA #	IS3(CBZ) RT #
12 HOUR STD		410538	8.47	482033	9.30	418172	12.53
UPPER LIMIT		821076	8.97	964066	9.80	836344	13.03
LOWER LIMIT		205269	7.97	241017	8.80	209086	12.03
	CLIENT SAMPLE ID	LAB SAMPLE ID					
01	WG22197-LCS	WG22197-1	416018	8.46	494721	9.31	417353	12.54
02	WG22197-BLANK	WG22197-3	426695	8.47	511164	9.30	428032	12.53
03	SD-27-SSMS	WG22197-4	380470	8.46	459265	9.31	341427	12.53
04	SD-27-SSMSD	WG22197-5	394227	8.47	471327	9.31	345109	12.54
05	SD-31-02MS	WG22197-6	419744	8.47	505558	9.30	392660	12.53
06	SD-31-02MSD	WG22197-7	417253	8.47	557007	9.32	380960	12.54
07								
08								
09								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

IS1 (PFB) = Pentafluorobenzene
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-D5

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 values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

FORM 8
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Lab File ID (Standard): Z8086 Date Analyzed: 10/29/05

Instrument ID: GCMS-Z Time Analyzed: 1015

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

		IS4(DCB) AREA #	IS4(DCB) RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		252184	14.36				
UPPER LIMIT		504368	14.86				
LOWER LIMIT		126092	13.86				
	CLIENT SAMPLE ID	LAB SAMPLE ID					
01	WG22197-LCS	WG22197-1	260304	14.36				
02	WG22197-BLANK	WG22197-3	253200	14.36				
03	SD-27-SSMS	WG22197-4	146394	14.37				
04	SD-27-SSMSD	WG22197-5	138681	14.36				
05	SD-31-02MS	WG22197-6	176628	14.36				
06	SD-31-02MSD	WG22197-7	172002	14.36				
07								
08								
09								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

IS4 (DCB) = 1,4-Dichlorobenzene-D4

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 values outside QC limits with an asterisk.
* Values outside of QC limits.

KATAHDIN ANALYTICAL SERVICES
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Client: Tetra Tech NUS, Inc
Project: Middle River
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 10/29/05
Report Date: 11/01/2005
Matrix: SOIL

Lab ID: WG22197-4 & WG22197-5
Client ID: SD-27-SSMS & SD-27-SSMSD
SDG: MID-6
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22197
Units: ug/Kg

COMPOUND	MS SPIKE	MSD SPIKE	SAMPLE CONC.	MS CONC.	MSD CONC.	MS %REC.	MSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
Dichlorodifluoromethane	142	142	0.00	214	243	151	171	13	30	13-217
Chloromethane	142	142	0.00	115	139	81	98	19	30	36-165
Vinyl chloride	142	142	0.00	143	170	101	120	17	30	47-159
Bromomethane	142	142	0.00	85	117	60	82 *	31	30	43-181
Chloroethane	142	142	0.00	134	159	94	112	17	30	54-157
Trichlorofluoromethane	142	142	0.00	166	183	117	129	10	30	62-138
Tertiary-butyl alcohol	709	709	0.00	624	640	88	90	2	30	74-127
1,1-Dichloroethene	142	142	0.00	133	161	94	114	19	30	68-141
Carbon Disulfide	142	142	0.00	66	75	47	53	12	30	45-141
Freon-113	142	142	0.00	162	137	114	97	17	30	62-142
Methylene Chloride	142	142	9.8	118	133	76	87	12	30	34-171
Acetone	142	142	80	378	309	210	162	20	30	44-226
trans-1,2-Dichloroethene	142	142	0.00	94	108 *	66	76	14	30	72-133
Methyl tert-butyl ether	284	284	0.00	269	256	95	90	5	30	11-259
Di-isopropyl ether	142	142	0.00	144	125	102	88	14	30	74-126
1,1-Dichloroethane	142	142	0.00	128	146	90	103	13	30	75-130
Ethyl tertiary-butyl ether	142	142	0.00	140	121	99	85	14	30	75-125
Vinyl Acetate	142	142	0.00	23	28 *	16 *	20	18	30	59-162
cis-1,2-Dichloroethene	142	142	0.00	96	115	68	81	17	30	67-129
1,2-Dichloroethylene (total)	284	284	0.00	190	223 *	67	79	16	30	70-130
2,2-Dichloropropane	142	142	0.00	134	147	94	104	9	30	70-138
Bromochloromethane	142	142	0.00	104	125	73	88	18	30	73-122
Chloroform	142	142	0.00	124	149	87	105	18	30	73-127
Carbon Tetrachloride	142	142	0.00	116	131	82	92	12	30	75-130
1,1,1-Trichloroethane	142	142	0.00	134	154	94	109	14	30	71-129
1,1-Dichloropropene	142	142	0.00	140	149	99	105	6	30	84-121
2-Butanone	142	142	0.00	280	230	197	162	20	30	22-267
Benzene	142	142	0.00	123	142	87	100	14	30	76-123
Tertiary-amyl methyl ether	142	142	0.00	136	113	96	80	18	30	73-126
1,2-Dichloroethane	142	142	0.00	121	135	85	95	11	30	80-123
Trichloroethene	142	142	0.00	132	145	93	102	9	30	75-136
Dibromomethane	142	142	0.00	94	114 *	66 *	80	19	30	83-121
1,2-Dichloropropane	142	142	0.00	122	146	86	103	18	30	77-123
Bromodichloromethane	142	142	0.00	90	98 *	64 *	69	8	30	78-107
cis-1,3-dichloropropene	142	142	0.00	68	75 *	48 *	53	9	30	76-125
2-Chloroethylvinylether	142	142	0.00	55	72	39	50	26	30	0-159
Toluene	142	142	10	118	134	76	87	13	30	76-121
4-methyl-2-pentanone	142	142	0.00	108	114	76	80	5	30	69-148
Tetrachloroethene	142	142	0.00	131	145	92	102	10	30	87-114
trans-1,3-Dichloropropene	142	142	0.00	63	71 *	44 *	50	11	30	80-136
Dibromochloromethane	142	142	0.00	84	88 *	59 *	62	5	30	87-114
1,3-Dichloropropane	142	142	0.00	112	140 *	79	99	22	30	86-113
1,2-Dibromoethane	142	142	0.00	90	102 *	64 *	72	12	30	81-120
2-Hexanone	142	142	0.00	126	130	89	92	3	30	67-157
Chlorobenzene	142	142	0.00	120	141 *	85	99	16	30	90-111

FORM III VOA-2
Z8093.D & Z8094.D

Sample Data Summary A0000121

KATAHDIN ANALYTICAL SERVICES
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Client: Tetra Tech NUS, Inc
Project: Middle River
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 10/29/05
Report Date: 11/01/2005
Matrix: SOIL

Lab ID: WG22197-4 & WG22197-5
Client ID: SD-27-SSMS & SD-27-SSMSD
SDG: MID-6
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22197
Units: ug/Kg

COMPOUND	MS SPIKE	MSD SPIKE	SAMPLE CONC.	MS CONC.	MSD CONC.		MS %REC.		MSD %REC.		%RPD	%RPD LIMIT	QC. LIMITS
Ethylbenzene	142	142	0.00	112	125	*	79	*	88		11	30	89-111
1,1,1,2-Tetrachloroethane	142	142	0.00	96	98	*	67	*	69		2	30	89-110
Xylenes (total)	425	425	0.00	318	373	*	75	*	88		16	30	91-113
m+p-Xylenes	284	284	0.00	213	245	*	75	*	86		14	30	91-113
o-Xylene	142	142	0.00	105	128	*	74	*	90		20	30	91-112
Styrene	142	142	0.00	69	95	*	49	*	67	*	31	3	85-114
Bromoform	142	142	0.00	74	75	*	52	*	53		1	30	92-113
Isopropylbenzene	142	142	0.00	150	188		106	*	133		22	30	89-132
Bromobenzene	142	142	0.00	118	161	*	83	*	114	*	31	30	87-109
N-Propylbenzene	142	142	0.00	124	156		87		110		23	30	86-119
1,1,2,2-Tetrachloroethane	142	142	0.00	140	185		99	*	130		28	30	77-119
2-Chlorotoluene	142	142	0.00	122	161		86		114		28	30	78-120
1,2,3-Trichloropropane	142	142	0.00	99	128	*	70		90		26	30	83-115
4-Chlorotoluene	142	142	0.00	116	153	*	82		108		28	30	84-118
tert-Butylbenzene	142	142	0.00	100	124	*	70		87		21	30	76-128
1,2,4-Trimethylbenzene	142	142	0.00	111	150	*	78		106		30	30	83-118
P-Isopropyltoluene	142	142	0.00	105	134	*	74		94		24	30	91-120
1,3-Dichlorobenzene	142	142	0.00	101	141	*	71		99	*	33	30	90-113
1,4-Dichlorobenzene	142	142	0.00	97	137	*	69		97	*	34	30	89-112
N-Butylbenzene	142	142	0.00	90	118	*	64		83		26	30	80-122
sec-Butylbenzene	142	142	0.00	110	145	*	78		102		27	30	86-118
1,2-Dichlorobenzene	142	142	0.00	96	127	*	68		90		28	30	90-110
1,2-Dibromo-3-Chloropropane	142	142	0.00	106	101		75		71		5	30	66-137
Hexachlorobutadiene	142	142	0.00	56	78	*	39	*	55	*	34	30	80-117
1,2,4-Trichlorobenzene	142	142	0.00	50	65	*	36	*	46		25	30	75-128
1,2,3-Trimethylbenzene	142	142	0.00	92	70	*	65	*	50	*	26	20	80-126
Naphthalene	142	142	0.00	52	73	*	37	*	52	*	34	30	72-117
1,2,3-Trichlorobenzene	142	142	0.00	42	55	*	30	*	39		26	30	72-126

FORM III VOA-2
Z8093.D & Z8094.D

KATAHDIN ANALYTICAL SERVICES
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Client: Tetra Tech NUS, Inc
Project: Middle River
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 10/29/05
Report Date: 11/01/2005
Matrix: SOIL

Lab ID: WG22197-6 & WG22197-7
Client ID: SD-31-02MS & SD-31-02MSD
SDG: MID-6
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22197
Units: ug/Kg

COMPOUND	MS SPIKE	MSD SPIKE	SAMPLE CONC.	MS CONC.	MSD CONC.	MS %REC.	MSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
Dichlorodifluoromethane	154	154	0.00	243	253	157	164	4	30	13-217
Chloromethane	154	154	0.00	137	146	89	94	6	30	36-165
Vinyl chloride	154	154	0.00	170	188	110	122	10	30	47-159
Bromomethane	154	154	0.00	109	112	70	72	3	30	43-181
Chloroethane	154	154	0.00	167	172	108	111	3	30	54-157
Trichlorofluoromethane	154	154	0.00	188	186	122	120	1	30	62-138
Tertiary-butyl alcohol	772	772	0.00	736	588	95	76	22	30	74-127
1,1-Dichloroethene	154	154	0.00	157	169	102	109	7	30	68-141
Carbon Disulfide	154	154	6.8	54	76	* 31	45 *	33	30	45-141
Freon-113	154	154	0.00	154	154	100	100	0.0	30	62-142
Methylene Chloride	154	154	0.00	133	138	86	89	4	30	34-171
Acetone	154	154	108	356	354	160	159	0.6	30	44-226
trans-1,2-Dichloroethene	154	154	0.00	87	103	* 56	* 67	17	30	72-133
Methyl tert-butyl ether	309	309	3.2	297	305	95	98	3	30	11-259
Di-isopropyl ether	154	154	0.00	149	150	96	97	0.7	30	74-126
1,1-Dichloroethane	154	154	0.00	160	156	104	101	2	30	75-130
Ethyl tertiary-butyl ether	154	154	0.00	141	143	91	93	1	30	75-125
Vinyl Acetate	154	154	0.00	34	28	* 22	* 18	17	30	59-162
cis-1,2-Dichloroethene	154	154	0.00	110	116	71	75	5	30	67-129
1,2-Dichloroethylene (total)	309	309	0.00	197	219	* 64	71	10	30	70-130
2,2-Dichloropropane	154	154	0.00	160	158	104	102	1	30	70-138
Bromochloromethane	154	154	0.00	127	129	82	84	2	30	73-122
Chloroform	154	154	0.00	151	147	98	95	3	30	73-127
Carbon Tetrachloride	154	154	0.00	126	116	82	75	8	30	75-130
1,1,1-Trichloroethane	154	154	0.00	159	157	103	102	1	30	71-129
1,1-Dichloropropene	154	154	0.00	154	135	100	87	13	30	84-121
2-Butanone	154	154	0.00	291	270	188	175	7	30	22-267
Benzene	154	154	0.00	150	137	97	89	9	30	76-123
Tertiary-amyl methyl ether	154	154	0.00	136	137	88	89	0.7	30	73-126
1,2-Dichloroethane	154	154	0.00	135	134	87	87	0.7	30	80-123
Trichloroethene	154	154	0.00	145	129	94	84	12	30	75-136
Dibromomethane	154	154	0.00	122	106	* 79	* 69	14	30	83-121
1,2-Dichloropropane	154	154	0.00	161	140	104	91	14	30	77-123
Bromodichloromethane	154	154	0.00	121	99	78	* 64	20	30	78-107
cis-1,3-dichloropropene	154	154	0.00	42	38	* 27	* 24	11	30	76-125
2-Chloroethylvinylether	154	154	0.00	53	60	34	39	12	30	0-159
Toluene	154	154	0.00	138	115	89	* 74	18	30	76-121
4-methyl-2-pentanone	154	154	0.00	137	126	89	82	8	30	69-148
Tetrachloroethene	154	154	0.00	145	134	94	87	8	30	87-114
trans-1,3-Dichloropropene	154	154	0.00	46	40	* 30	* 26	13	30	80-136
Dibromochloromethane	154	154	0.00	112	104	* 72	* 67	7	30	87-114
1,3-Dichloropropane	154	154	0.00	147	148	95	96	0.7	30	86-113
1,2-Dibromoethane	154	154	0.00	110	101	* 71	* 65	8	30	81-120
2-Hexanone	154	154	0.00	157	166	102	107	6	30	67-157
Chlorobenzene	154	154	0.00	129	123	* 84	* 80	5	30	90-111

FORM III VOA-2
Z8095.D & Z8096.D

Sample Data Summary A0000123

KATAHDIN ANALYTICAL SERVICES
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Client: Tetra Tech NUS, Inc
Project: Middle River
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 10/29/05
Report Date: 11/01/2005
Matrix: SOIL

Lab ID: WG22197-6 & WG22197-7
Client ID: SD-31-02MS & SD-31-02MSD
SDG: MID-6
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22197
Units: ug/Kg

COMPOUND	MS SPIKE	MSD SPIKE	SAMPLE CONC.	MS CONC.	MSD CONC.	MS %REC.	MSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
Ethylbenzene	154	154	0.00	135	120	* 87	* 78	12	30	89-111
1,1,1,2-Tetrachloroethane	154	154	0.00	120	109	* 78	* 70	10	30	89-110
Xylenes (total)	463	463	0.00	408	361	* 88	* 78	12	30	91-113
m+p-Xylenes	309	309	0.00	269	239	* 87	* 77	12	30	91-113
o-Xylene	154	154	0.00	139	122	* 90	* 79	13	30	91-112
Styrene	154	154	0.00	76	71	* 49	* 46	* 7	3	85-114
Bromoform	154	154	0.00	104	92	* 67	* 60	12	30	92-113
Isopropylbenzene	154	154	0.00	186	155	120	100	18	30	89-132
Bromobenzene	154	154	0.00	150	143	97	93	5	30	87-109
N-Propylbenzene	154	154	0.00	160	130	104	* 84	21	30	86-119
1,1,2,2-Tetrachloroethane	154	154	0.00	182	181	118	117	0.6	30	77-119
2-Chlorotoluene	154	154	0.00	162	143	105	93	12	30	78-120
1,2,3-Trichloropropane	154	154	0.00	125	133	* 81	86	6	30	83-115
4-Chlorotoluene	154	154	0.00	145	137	94	89	6	30	84-118
tert-Butylbenzene	154	154	0.00	126	108	82	* 70	15	30	76-128
1,2,4-Trimethylbenzene	154	154	0.00	153	140	99	91	9	30	83-118
P-Isopropyltoluene	154	154	0.00	140	124	91	* 80	12	30	91-120
1,3-Dichlorobenzene	154	154	1.0	137	130	* 88	* 84	5	30	90-113
1,4-Dichlorobenzene	154	154	0.00	133	130	* 86	* 84	2	30	89-112
N-Butylbenzene	154	154	0.00	119	104	* 77	* 67	13	30	80-122
sec-Butylbenzene	154	154	0.00	142	119	92	* 77	18	30	86-118
1,2-Dichlorobenzene	154	154	0.00	132	130	* 85	* 84	2	30	90-110
1,2-Dibromo-3-Chloropropane	154	154	0.00	114	113	74	73	0.9	30	66-137
Hexachlorobutadiene	154	154	0.00	75	88	* 48	* 57	16	30	80-117
1,2,4-Trichlorobenzene	154	154	0.00	73	81	* 47	* 52	10	30	75-128
1,2,3-Trimethylbenzene	154	154	0.00	98	90	* 63	* 59	8	20	80-126
Naphthalene	154	154	0.00	79	94	* 51	* 61	18	30	72-117
1,2,3-Trichlorobenzene	154	154	0.00	64	71	* 42	* 46	10	30	72-126

FORM III VOA-2
Z8095.D & Z8096.D

Sample Data Summary A0000124

TETRA TECH NUS, INC. **CALCULATION WORKSHEET** PAGE _____ OF _____

CLIENT Lockheed Middle River	JOB NUMBER Job-00275 SDG-MID-6
SUBJECT Sample Calculation	
BASED ON	DRAWING NUMBER
BY Bernard F Spada II / CHECKED BY	APPROVED BY / DATE 11/11/05

Sample SD-27-SS

Toluene = 10 ug/kg

$$\text{Toluene} = \frac{(24058)(50\ \text{ug/kg})}{(438994)(0.76416)(0.353)} = 10.2\ \text{ug/kg}$$

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: Middle River
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 27-OCT-2005 11:11
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 35.3

Lab ID: WV5605-4
Client ID: SD-27-SS
SDG: MID-6
Extracted by:
Extraction Method: SW846 5035
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22091
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	28	1.0	10	28	5
74-87-3	Chloromethane	U	28	1.0	10	28	3
75-01-4	Vinyl chloride	U	28	1.0	10	28	5
74-83-9	Bromomethane	U	28	1.0	10	28	6
75-00-3	Chloroethane	U	28	1.0	10	28	4
75-69-4	Trichlorofluoromethane	U	28	1.0	10	28	5
75-65-0	Tertiary-butyl alcohol	U	28	1.0	10	28	20
75-35-4	1,1-Dichloroethene	U	14	1.0	5	14	3
75-15-0	Carbon Disulfide	U	14	1.0	5	14	4
76-13-1	Freon-113	U	14	1.0	5	14	5
75-09-2	Methylene Chloride	JB	10	1.0	5	14	6
67-64-1	Acetone	B	80	1.0	25	71	12
156-60-5	trans-1,2-Dichloroethene	U	14	1.0	5	14	2
1634-04-4	Methyl tert-butyl ether	U	28	1.0	10	28	2
108-20-3	Di-isopropyl ether	U	14	1.0	5	14	1
75-34-3	1,1-Dichloroethane	U	14	1.0	5	14	3
637-92-3	Ethyl tertiary-butyl ether	U	14	1.0	5	14	0.8
108-05-4	Vinyl Acetate	U	14	1.0	5	14	0.7
156-59-2	cis-1,2-Dichloroethene	U	14	1.0	5	14	2
540-59-0	1,2-Dichloroethylene (total)	U	28	1.0	10	28	4
594-20-7	2,2-Dichloropropane	U	14	1.0	5	14	4
74-97-5	Bromochloromethane	U	14	1.0	5	14	3
67-66-3	Chloroform	U	14	1.0	5	14	2
56-23-5	Carbon Tetrachloride	U	14	1.0	5	14	8
71-55-6	1,1,1-Trichloroethane	U	14	1.0	5	14	4
563-58-6	1,1-Dichloropropene	U	14	1.0	5	14	4
78-93-3	2-Butanone	U	71	1.0	25	71	9
71-43-2	Benzene	U	14	1.0	5	14	2
994-05-8	Tertiary-amyl methyl ether	U	14	1.0	5	14	1
107-06-2	1,2-Dichloroethane	U	14	1.0	5	14	2
79-01-6	Trichloroethene	U	14	1.0	5	14	2
74-95-3	Dibromomethane	U	14	1.0	5	14	1
78-87-5	1,2-Dichloropropane	U	14	1.0	5	14	2
75-27-4	Bromodichloromethane	U	14	1.0	5	14	1
10061-01-5	cis-1,3-dichloropropene	U	14	1.0	5	14	0.9
110-75-8	2-Chloroethylvinylether	U	14	1.0	5	14	3
108-88-3	Toluene	J	10	1.0	5	14	2
108-10-1	4-methyl-2-pentanone	U	71	1.0	25	71	12
127-18-4	Tetrachloroethene	U	14	1.0	5	14	3
10061-02-6	trans-1,3-Dichloropropene	U	14	1.0	5	14	2
124-48-1	Dibromochloromethane	U	14	1.0	5	14	1
142-28-9	1,3-Dichloropropane	U	14	1.0	5	14	1.0
106-93-4	1,2-Dibromoethane	U	14	1.0	5	14	1

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-z.i\Z102705.b\Z8039.D
Lab Smp Id: WV5605-4 Client Smp ID: SD-27-SS
Inj Date : 27-OCT-2005 11:11 MS Autotune Date: 02-SEP-2005 12:32
Operator : SKT Inst ID: gcms-z.i
Smp Info : WV5605-4
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-z.i\Z102705.b\Z826S07.m
Meth Date : 27-Oct-2005 06:43 sthompson Quant Type: ISTD
Cal Date : 25-OCT-2005 11:18 Cal File: Z7990.D
Als bottle: 17
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRATMID002.sub
Target Version: 4.12

Concentration Formula: Amt * DF * (100/(100-M))*(Vt/Ws) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
M	64.734	% Moisture
Vt	5.000	Volume of DI Water (mL)
Ws	5.000	Weight of Sample (g)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	FINAL (ug/Kg)
	14 Methylene Chloride	84	3.977	3.988	(0.470)	17811	3.46762	9.8(aM)
	15 Acetone	58	4.058	4.034	(0.479)	5434	28.1934	79.9(M)
	57 Toluene	92	10.871	10.870	(1.167)	24058	3.58582	10.2(a)
$	37 Dibromofluoromethane	113	7.296	7.296	(0.862)	129155	29.4687	83.6
$	45 1,2-Dichloroethane-D4	65	8.433	8.445	(0.996)	154683	28.8696	81.9
$	55 Toluene-D8	98	10.824	10.824	(1.162)	335181	32.8343	93.1
$	76 P-Bromofluorobenzene	95	13.598	13.598	(1.460)	99328	22.6131	64.1
*	42 Pentafluorobenzene	168	8.468	8.478	(1.000)	373470	50.0000	
*	49 1,4-Difluorobenzene	114	9.315	9.315	(1.000)	438994	50.0000	
*	66 Chlorobenzene-D5	117	12.530	12.542	(1.000)	371807	50.0000	
*	91 1,4-Dichlorobenzene-D4	152	14.364	14.364	(1.000)	215559	50.0000	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project MIDDLE RIVER SDG No.: MID-6

Instrument ID: GCMS-Z Calibration Date(s): 10/25/05 10/25/05

Column: RTX-VMS ID: 0.18 (mm) Calibration Time(s): 0800 1118

LAB FILE ID: RF5: Z7988 RF10: Z7987 RF20: Z7986
RF50: Z7985 RF100: Z7990 RF200: Z7989

COMPOUND	RF5	RF10	RF20	RF50	RF100	RF200	CURVE	COEFFICENTS A0	COEFFICENTS A1	%RSD OR R^2	MAX %RSD OR R^2
Dichlorodifluoromethane	0.518	0.491	0.603	0.564	0.570	0.572	AVRG		0.55316006	7.389	15.000
Chloromethane	17008	37127	89190	180400	594870	1054800	LINR	5.986e-002	1.58978037	0.99196	0.99000
Vinyl chloride	0.424	0.465	0.526	0.421	0.503	0.479	AVRG		0.46977450	8.943	15.000
Bromomethane	0.294	0.301	0.350	0.320	0.308	0.308	AVRG		0.31348507	6.287	15.000
Chloroethane	0.250	0.261	0.308	0.239	0.246	0.257	AVRG		0.26030193	9.413	15.000
Trichlorofluoromethane	0.917	0.860	1.053	1.054	0.989	1.037	AVRG		0.98489823	8.160	15.000
Tertiary-butyl alcohol	0.041	0.045	0.047	0.039	0.044	0.049	AVRG		4.455e-002	8.111	15.000
1,1-Dichloroethene	0.367	0.403	0.444	0.390	0.439	0.422	AVRG		0.41088404	7.258	15.000
Carbon Disulfide	1.160	1.140	1.438	1.205	1.467	1.370	AVRG		1.29668164	11.222	15.000
Freon-113	0.443	0.409	0.476	0.420	0.457	0.443	AVRG		0.44128778	5.534	15.000
Methylene Chloride	35481	53289	93135	182750	461950	878560	LINR	-2.52e-002	1.98343621	0.99827	0.99000
Acetone	0.025	0.025	0.028	0.022	0.027	0.028	AVRG		2.58e-002	8.543	15.000
trans-1,2-Dichloroethene	0.454	0.383	0.502	0.416	0.495	0.467	AVRG		0.45290566	10.176	15.000
Methyl tert-butyl ether	1.342	1.327	1.504	1.299	1.471	1.451	AVRG		1.39896638	6.174	15.000
Di-isopropyl ether	1.334	1.389	1.554	1.309	1.635	1.570	AVRG		1.46524117	9.402	15.000
1,1-Dichloroethane	0.877	0.799	0.926	0.832	0.939	0.902	AVRG		0.87929263	6.231	15.000
Ethyl tertiary-butyl ethe	1.522	1.588	1.682	1.579	1.704	1.695	AVRG		1.62824148	4.637	15.000
Vinyl Acetate	0.697	0.731	0.903	0.845	0.895	0.922	AVRG		0.83212280	11.511	15.000
cis-1,2-Dichloroethene	0.477	0.438	0.505	0.440	0.511	0.484	AVRG		0.47595109	6.544	15.000
1,2-Dichloroethylene (tot							AVRG				0.000
2,2-Dichloropropane	0.675	0.671	0.866	0.832	0.891	0.878	AVRG		0.80228399	12.708	15.000
Bromochloromethane	0.192	0.203	0.246	0.239	0.253	0.252	AVRG		0.23078005	11.497	15.000
Chloroform	0.977	0.916	1.047	0.991	1.054	1.014	AVRG		0.99983623	5.102	15.000
Carbon Tetrachloride	0.648	0.612	0.744	0.728	0.686	0.695	AVRG		0.68560519	7.198	15.000
1,1,1-Trichloroethane	0.805	0.836	1.004	0.934	0.966	0.942	AVRG		0.91465518	8.467	15.000
1,1-Dichloropropene	0.464	0.436	0.547	0.510	0.552	0.542	AVRG		0.50854555	9.548	15.000
2-Butanone	0.038	0.033	0.038	0.033	0.039	0.040	AVRG		3.696e-002	8.148	15.000
Benzene	1.110	1.034	1.240	1.092	1.249	1.189	AVRG		1.15204058	7.538	15.000
Tertiary-amyl methyl ethe	1.103	1.188	1.278	1.111	1.293	1.289	AVRG		1.21038609	7.347	15.000
1,2-Dichloroethane	0.629	0.626	0.740	0.687	0.646	0.616	AVRG		0.65731119	7.220	15.000
Trichloroethene	0.369	0.361	0.414	0.375	0.408	0.399	AVRG		0.38770148	5.725	15.000
Dibromomethane	0.222	0.193	0.240	0.221	0.201	0.210	AVRG		0.21476439	7.913	15.000
1,2-Dichloropropane	0.260	0.255	0.296	0.277	0.308	0.304	AVRG		0.28344718	8.086	15.000
Bromodichloromethane	0.595	0.546	0.678	0.636	0.643	0.632	AVRG		0.62178922	7.307	15.000
cis-1,3-dichloropropene	0.497	0.527	0.603	0.549	0.596	0.592	AVRG		0.56061988	7.672	15.000
2-Chloroethylvinylether	3960	8232	18854	47110	122140	271860	LINR	9.911e-002	8.00122764	0.99511	0.99000
Toluene	0.754	0.669	0.846	0.714	0.810	0.792	AVRG		0.76415605	8.550	15.000
4-methyl-2-pentanone	0.287	0.296	0.328	0.282	0.322	0.330	AVRG		0.30758832	7.140	15.000
Tetrachloroethene	0.382	0.443	0.501	0.443	0.460	0.449	AVRG		0.44639730	8.606	15.000
trans-1,3-Dichloropropene	0.520	0.489	0.579	0.543	0.542	0.560	AVRG		0.53872614	5.827	15.000
Dibromochloromethane	0.525	0.556	0.611	0.566	0.622	0.630	AVRG		0.58509165	7.227	15.000
1,3-Dichloropropane	0.500	0.524	0.588	0.504	0.579	0.573	AVRG		0.54466362	7.319	15.000
1,2-Dibromoethane	0.302	0.306	0.376	0.319	0.345	0.354	AVRG		0.33363892	8.795	15.000
2-Hexanone	0.240	0.250	0.276	0.228	0.271	0.287	AVRG		0.25861228	8.751	15.000

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Lab File ID: KD646 DFTPP Injection Date: 10/07/05

Instrument ID: GCMS-K DFTPP Injection Time: 1228

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	52.5
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Less than 100.0% of mass 198	57.7
70	Less than 2.0% of mass 69	0.2 (0.3)1
127	40.0 - 60.0% of mass 198	46.2
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	7.5
275	10.0 - 30.0% of mass 198	20.4
365	1.0 - 100.0% of mass 198	2.0
441	0.0 - 100.0% of mass 443	7.6 (83.8)2
442	40.0 - 100.0% of mass 198	45.9
443	17.0 - 23.0% of mass 442	9.1 (19.8)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		SSTD050K1007	K0298	10/07/05	1303
02		SSTD150K1007	K0299	10/07/05	1352
03		SSTD125K1007	K0300	10/07/05	1440
04		SSTD100K1007	K0301	10/07/05	1529
05		SSTD025K1007	K0302	10/07/05	1618
06		SSTD010K1007	K0303	10/07/05	1706
07					
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FORM V SV

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project MIDDLE RIVER SDG No.: MID-6

Instrument ID: GCMS-K Calibration Date(s): 10/07/05 10/07/05

Column: DB5-MS ID: 0.25 (mm) Calibration Time(s): 1303 1706

LAB FILE ID: RF10: K0303 RF25: K0302 RF50: K0298
RF100: K0301 RF125: K0300 RF150: K0299

COMPOUND	RF10	RF25	RF50	RF100	RF125	RF150	CURVE	COEFFICENTS A0	COEFFICENTS A1	COEFFICENTS A2	%RSD OR R^2	MAX %RSD OR R^2	
1,4-Dioxane	0.545	0.549	0.620	0.529	0.543	0.516	AVRG		0.55042542		6.590	15.000	
N-Nitrosodimethylamine	0.824	0.813	0.933	0.781	0.727	0.705	AVRG		0.79720248		10.182	15.000	
Pyridine	1.744	1.644	1.718	1.533	1.444	1.230	AVRG		1.55216360		12.496	15.000	
Aniline	256460	601770	1232100	1781200	2099000	2702400	2ORDR	3.438e-002	0.37326491	8.067e-002	0.99892	0.99000	
2,2'-Oxybis(1-Chloropropa	313170	754430	1499200	2173800	2634600	3463000	LINR	-0.1667716	0.60656259		0.99057	0.99000	
Phenol	220520	494870	995600	1415100	1699100	2494000	LINR	-0.1309262	0.88268949		0.99132	0.99000	
Bis(2-Chloroethyl)ether	178490	401680	763590	1028800	1216800	1588900	2ORDR	5.303e-003	0.58297267	0.26257873	0.99900	0.99000	
2-Chlorophenol	166220	391240	740530	1062100	1301800	1701500	LINR	-0.1900291	1.24160739		0.99014	0.99000	
1,3-Dichlorobenzene	187260	435460	831820	1183200	1492000	1851300	2ORDR	8.753e-003	0.60148269	0.15280206	0.99900	0.99000	
1,4-Dichlorobenzene	179690	411610	777470	1156000	1422500	1763700	2ORDR	1.854e-002	0.61233143	0.17143941	0.99870	0.99000	
Benzyl alcohol	0.502	0.500	0.615	0.598	0.519	0.571	AVRG		0.55095771		9.172	15.000	
2-Methylphenol	1.041	1.033	1.094	0.986	0.879	0.953	AVRG		0.99740142		7.583	15.000	
1,2-Dichlorobenzene	171230	386910	715740	1032900	1284400	1605100	2ORDR	3.524e-003	0.68490274	0.20842248	0.99942	0.99000	
N-Nitroso-di-n-propylamin	138430	321200	598010	877140	1019900	1305600	2ORDR	2.544e-002	0.70708317	0.37264552	0.99837	0.99000	
3&4-Methylphenol	1.036	0.969	0.989	0.869	0.834	0.859	AVRG		0.92607491		8.915	15.000	
Hexachloroethane	74978	168330	334640	453990	571110	681330	2ORDR	3.229e-002	1.22545421	1.38636711	0.99561	0.99000	
Nitrobenzene	0.395	0.389	0.352	0.320	0.304	0.302	AVRG		0.34369701		12.135	15.000	
Isophorone	0.762	0.748	0.686	0.610	0.576	0.594	AVRG		0.66277296		12.200	15.000	
2-Nitrophenol	0.211	0.227	0.220	0.199	0.188	0.187	AVRG		0.20536024		8.173	15.000	
2,4-Dimethylphenol	0.375	0.380	0.350	0.320	0.305	0.313	AVRG		0.34063208		9.558	15.000	
Bis(2-Chloroethoxy)methan	199420	459080	862620	1274400	1495500	2010200	LINR	-0.1627168	3.18281630		0.99276	0.99000	
Benzoic acid	50058	146690	353020	724020	860920	1321000	LINR	0.14731810	4.79297601		0.99120	0.99000	
2,4-Dichlorophenol	0.260	0.298	0.281	0.249	0.236	0.241	AVRG		0.26086702		9.343	15.000	
1,2,4-Trichlorobenzene	145370	333280	615010	891180	1075400	1408800	LINR	-0.1764320	4.52165114		0.99249	0.99000	
Naphthalene	404150	934390	1685900	2388900	2812100	3623500	2ORDR	-9.39e-004	0.90972439	0.38528246	0.99985	0.99000	
4-Chloroaniline	171150	408780	711620	1052000	1251900	1611100	2ORDR	-7.36e-003	2.28758644	1.69165796	0.99970	0.99000	
Hexachlorobutadiene	0.182	0.176	0.158	0.146	0.134	0.131	AVRG		0.15449499		13.741	15.000	
4-Chloro-3-Methylphenol	0.332	0.324	0.304	0.260	0.238	0.248	AVRG		0.28437191		14.330	15.000	
2-Methylnaphthalene	273520	627780	1149000	1681700	2002600	2625600	LINR	-0.1808243	2.42263038		0.99172	0.99000	
1-Methylnaphthalene	263140	618070	1138400	1613300	1911900	2501500	2ORDR	-1.02e-002	1.48312291	0.71218766	0.99957	0.99000	
Hexachlorocyclopentadiene	0.138	0.193	0.212	0.130	0.126	0.095	AVRG		0.14903175		29.711	15.000	<
2,4,6-Trichlorophenol	0.366	0.374	0.354	0.312	0.293	0.277	AVRG		0.32936756		12.326	15.000	
2,4,5-Trichlorophenol	0.380	0.375	0.394	0.353	0.340	0.336	AVRG		0.36299110		6.429	15.000	
2-Chloronaphthalene	0.453	0.398	0.358	0.289	0.280	0.219	AVRG		0.33272208		25.856	15.000	<
2-Nitroaniline	0.375	0.395	0.385	0.358	0.340	0.343	AVRG		0.36592991		6.124	15.000	
Dimethyl Phthalate	1.351	1.290	1.169	1.039	1.004	0.956	AVRG		1.13485631		14.217	15.000	
2,6-Dinitrotoluene	71743	181260	341720	497180	613440	830340	LINR	-0.1711689	4.57203297		0.99164	0.99000	
Acenaphthylene	392840	908210	1567000	2238000	2728800	3429000	2ORDR	3.287e-003	0.46049913	0.17571748	0.99760	0.99000	
3-Nitroaniline	0.286	0.306	0.311	0.294	0.287	0.256	AVRG		0.28988829		6.767	15.000	
Acenaphthene	231270	561140	1034600	1547400	1725400	2242800	2ORDR	4.676e-002	0.56714016	0.46800878	0.99759	0.99000	
2,4-Dinitrophenol	14932	65883	227850	382980	524150	734730	LINR	0.13682839	4.94704278		0.99555	0.99000	
Dibenzofuran	343100	801900	1464400	2187700	2512100	3313700	2ORDR	1.762e-002	0.50487026	0.18523445	0.99962	0.99000	
4-Nitrophenol	0.064	0.063	0.117	0.092	0.097	0.123	AVRG		9.271e-002		27.278	15.000	<
2,4-Dinitrotoluene	0.373	0.413	0.407	0.370	0.362	0.358	AVRG		0.38053135		6.166	15.000	

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project MIDDLE RIVER SDG No.: MID-6

Instrument ID: GCMS-K Calibration Date(s): 10/07/05 10/07/05

Column: DB5-MS ID: 0.25 (mm) Calibration Time(s): 1303 1706

LAB FILE ID: RF10: K0303 RF25: K0302 RF50: K0298
RF100: K0301 RF125: K0300 RF150: K0299

COMPOUND	RF10	RF25	RF50	RF100	RF125	RF150	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2	
Diethylphthalate	299800	707300	1368300	2055300	2441900	3226800	2ORDR	1.069e-002	0.64042077	0.15864986	0.99996	0.99000	
Fluorene	277930	634430	1208300	1727900	2072600	2635600	2ORDR	2.304e-002	0.60092643	0.29626485	0.99872	0.99000	
4-Chlorophenyl-phenylethe	131890	308730	602360	905020	1075300	1382700	2ORDR	2.769e-002	1.31124380	0.95774953	0.99911	0.99000	
4-Nitroaniline	0.300	0.316	0.319	0.280	0.292	0.274	AVRG		0.29696825		6.219	15.000	
4,6-Dinitro-2-Methylpheno	0.104	0.146	0.161	0.148	0.152	0.151	AVRG		0.14385588		13.898	15.000	
N-Nitrosodiphenylamine	227020	529080	1061800	1559800	1810200	2324400	2ORDR	2.657e-002	1.12599702	0.75287857	0.99956	0.99000	
Azobenzene	311630	715970	1328700	2018500	2312500	3400000	LINR	-0.1501448	1.69483091		0.99099	0.99000	
4-Bromophenyl-phenylether	0.224	0.214	0.197	0.173	0.161	0.160	AVRG		0.18845549		14.707	15.000	
Hexachlorobenzene	82715	195900	375740	576390	703340	918400	LINR	-0.1519955	5.98707281		0.99408	0.99000	
Pentachlorophenol	0.076	0.106	0.117	0.110	0.115	0.112	AVRG		0.10609812		14.391	15.000	
Phenanthrene	344940	781080	1499800	2225600	2723400	3430600	2ORDR	2.211e-004	0.91052395	0.28270251	0.99938	0.99000	
Anthracene	345550	783590	1396300	2020900	2281600	2854600	2ORDR	3.493e-002	0.58937539	0.64932769	0.99791	0.99000	
Carbazole	324900	792850	1594500	2292000	2838700	3443500	2ORDR	2.677e-002	0.77673565	0.31663100	0.99669	0.99000	
Di-n-butylphthalate	494670	1167300	2285700	3175600	3772000	4490200	2ORDR	5.156e-002	0.36748526	0.25134007	0.99451	0.99000	
Fluoranthene	376800	866140	1630600	2405300	2936200	3420000	2ORDR	2.448e-002	0.67564554	0.34406257	0.99063	0.99000	
Benzidine	0.226	0.316	0.347	0.255	0.298	0.243	AVRG		0.28088417		16.697	15.000	<
Pyrene	1.398	1.274	1.279	1.263	1.048	1.310	AVRG		1.26218411		9.166	15.000	
Butylbenzylphthalate	0.768	0.730	0.725	0.727	0.604	0.678	AVRG		0.70534430		8.083	15.000	
Benzo(a)anthracene	1.085	1.092	1.053	0.976	0.958	0.934	AVRG		1.01619239		6.762	15.000	
3,3'-Dichlorobenzidine	0.289	0.317	0.304	0.274	0.300	0.265	AVRG		0.29154818		6.660	15.000	
Chrysene	0.969	0.959	0.903	0.818	0.784	0.770	AVRG		0.86717796		10.166	15.000	
bis(2-Ethylhexyl)phthalat	0.969	0.952	0.952	0.915	0.792	0.870	AVRG		0.90848961		7.396	15.000	
Di-n-octylphthalate	2.642	2.335	2.559	2.362	1.728	2.068	AVRG		2.28237065		14.776	15.000	
Benzo(b)fluoranthene	1.534	1.428	1.408	1.204	1.121	1.188	AVRG		1.31391998		12.519	15.000	
Benzo(k)fluoranthene	266660	666700	989220	1323100	2162400	1629700	LINR	-0.1425624	0.94594846		0.99200	0.99000	
Benzo(a)pyrene	1.242	1.234	1.206	1.083	1.042	1.023	AVRG		1.13840674		8.789	15.000	
Indeno(1,2,3-cd)pyrene	0.724	0.851	0.802	0.847	0.909	0.856	AVRG		0.83161331		7.515	15.000	
Dibenzo(a,h)anthracene	0.747	0.864	0.795	0.808	0.820	0.809	AVRG		0.80718988		4.707	15.000	
Benzo(g,h,i)perylene	0.761	0.887	0.832	0.865	0.873	0.806	AVRG		0.83765186		5.691	15.000	
2-Fluorophenol	1.196	1.189	1.117	0.958	0.880	0.918	AVRG		1.04298412		13.541	15.000	
Phenol-D6	185010	436480	794890	1204800	1432600	2004300	LINR	-0.1558142	1.07945192		0.99313	0.99000	
Nitrobenzene-D5	0.411	0.400	0.384	0.346	0.336	0.345	AVRG		0.37026087		8.654	15.000	
2-Fluorobiphenyl	294120	656040	1240000	1787300	2094200	2676900	2ORDR	2.993e-002	0.53398025	0.30826030	0.99905	0.99000	
2,4,6-Tribromophenol	0.133	0.143	0.142	0.142	0.138	0.138	AVRG		0.13949938		2.698	15.000	
Terphenyl-D14	0.854	0.812	0.915	0.855	0.708	0.910	AVRG		0.84241432		9.083	15.000	

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project MIDDLE RIVER SDG No.: MID-6

Instrument ID: GCMS-K Calibration Date(s): 10/07/05 10/07/05

Column: DB5-MS ID: 0.25 (mm) Calibration Time(s): 1303 1706

Average %RSD test result.

Calculate Average %RSD: 14.92018604
Maximum Average %RSD: 15.00000000

Note: Passes Average %RSD Test.

FORM 2
SOIL SEMIVOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Level:(low/med) LOW

	CLIENT SAMPLE ID	LAB SAMPLE ID	S1 2FP#	S2 PHL#	S3 NBZ#	S4 FBP#	S5 TBP#	S6 TPH#	S7 #	S8 #	TOT OUT
01	WG21977-BLANK	WG21977-1	50	68	41	49	64	62*			1
02	WG21977-LCS	WG21977-2	80	97	65	74	82	85			0
03	SD-31-01	WV5605-15	45	65	38	49	58	57*			1
04	SD-31-02	WV5605-16	59	85	49	59	72	79			0
05	SD-31-SS	WV5605-14	49	66	37	43	44	57*			1
06	SD-32-SS	WV5605-17	42	61	35	49	52	65*			1
07	SD-33-SS	WV5605-18	36*	53	28*	39	46	56*			3
08	SD-35-SS	WV5605-20	50	70	43	56	54	76			0
09	SD-34-SS	WV5605-19	43	65	35	46	52	80			0
10	SD-30-SS	WV5605-13	44	66	35	49	50	86			0
11	SD-31-02MS	WG21977-4	48	74	42	51	56	93			0
12	SD-31-02MSD	WG21977-5	68	91	62	58	63	101			0
13	WG22096-BLANK	WG22096-1RA	69	93	60	64	84	75			0
14	SD-25-SS	WV5605-2	58	73	52	61	74	83			0
15	SD-27-SS	WV5605-4	60	85	48	61	79	79			0
16	SD-25-SSMS	WG22096-3	60	80	60	59	72	80			0
17	SD-25-SSMSD	WG22096-4	80	103	79	76	97	112*			1
18	SD-27-SSMS	WG22096-5	56	77	55	56	73	82			0
19	SD-27-SSMSD	WG22096-6	63	82	60	53	79	82			0
20											
21											
22											
23											
24											
25											
26											
27											
28											

	QC LIMITS
S1 (2FP) = 2-Fluorophenol	(40-130)
S2 (PHL) = Phenol-D6	(35-120)
S3 (NBZ) = Nitrobenzene-D5	(35-124)
S4 (FBP) = 2-Fluorobiphenyl	(34-107)
S5 (TBP) = 2,4,6-Tribromophenol	(37- 99)
S6 (TPH) = Terphenyl-D14	(75-111)

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

FORM 2
SOIL SEMIVOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Level: (low/med) LOW

	CLIENT SAMPLE ID	LAB SAMPLE ID	S1 2FP#	S2 PHL#	S3 NBZ#	S4 FBP#	S5 TBP#	S6 TPH#	S7 #	S8 #	TOT OUT
01	WG22096-BLANK	WG22096-1	69	79	67	64	62	66*			1
02	WG22096-LCS	WG22096-2	84	93	80	78	79	86			0
03	SD-27-02	WV5605-6	51	55	43	54	41	63*			1
04	SD-29-02	WV5605-12	43	51	40	52	41	47*			1
05	SD-28-02	WV5605-9	57	62	56	59	43	56*			1
06	SD-29-01	WV5605-11	73	78	74	74	56	78			0
07	SD-29-SS	WV5605-10	57	65	54	60	41	65*			1
08	SD-28-01	WV5605-8	68	75	51	53	59	59*			1
09	SD-28-SS	WV5605-7	61	64	56	58	51	76			0
10	SD-26-SS	WV5605-3	62	74	60	58	54	65*			1
11	SD-27-01	WV5605-5	48	59	41	47	48	57*			1
12	SD-24-SS	WV5605-1	73	69	72	72	59	113*			1
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											

	QC LIMITS
S1 (2FP) = 2-Fluorophenol	(40-130)
S2 (PHL) = Phenol-D6	(35-120)
S3 (NBZ) = Nitrobenzene-D5	(35-125)
S4 (FBP) = 2-Fluorobiphenyl	(34-107)
S5 (TBP) = 2,4,6-Tribromophenol	(37- 99)
S6 (TPH) = Terphenyl-D14	(75-111)

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

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Lab File ID: KD657 DFTPP Injection Date: 10/29/05

Instrument ID: GCMS-K DFTPP Injection Time: 1110

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	50.4
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Less than 100.0% of mass 198	57.7
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	50.4
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	7.0
275	10.0 - 30.0% of mass 198	19.8
365	1.0 - 100.0% of mass 198	1.7
441	0.0 - 100.0% of mass 443	5.5 (70.8)2
442	40.0 - 100.0% of mass 198	41.5
443	17.0 - 23.0% of mass 442	7.8 (18.8)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		SSTD050K1029	K0453	10/29/05	1135
02	WG21977-BLANK	WG21977-1	K0454	10/29/05	1225
03	WG21977-LCS	WG21977-2	K0455	10/29/05	1314
04	SD-31-01	WV5605-15	K0456	10/29/05	1403
05	SD-31-02	WV5605-16	K0457	10/29/05	1452
06	SD-31-SS	WV5605-14	K0458	10/29/05	1541
07	SD-32-SS	WV5605-17	K0459	10/29/05	1629
08	SD-33-SS	WV5605-18	K0460	10/29/05	1717
09	SD-35-SS	WV5605-20	K0461	10/29/05	1806
10	SD-34-SS	WV5605-19	K0464	10/29/05	2032
11	SD-30-SS	WV5605-13	K0465	10/29/05	2121
12	SD-31-02MS	WG21977-4	K0466	10/29/05	2209
13	SD-31-02MSD	WG21977-5	K0467	10/29/05	2258
14					
15					
16					
17					
18					
19					
20					

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Instrument ID: GCMS-K Calibration Date: 10/29/05 Time: 1135

Lab File ID: K0453 Init. Calib. Date(s): 10/07/05 10/07/05

Init. Calib. Times: 1303 1706

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	0.5500000	0.5784700	0.5784700	0.01	5.18	100.00	AVRG
N-Nitrosodimethylamine	0.7970000	0.8503300	0.8503300	0.01	6.69	100.00	AVRG
Pyridine	1.5520000	1.6991000	1.6991000	0.01	9.48	100.00	AVRG
Aniline	47.548000	50.000000	1.6965000	0.01	-4.90	100.00	2RDR
2,2'-Oxybis(1-Chloropropane)	49.927000	50.000000	1.8662000	0.01	-0.15	100.00	LINR
Phenol	59.658000	50.000000	1.4704000	0.01	19.32	20.00	LINR
Bis(2-Chloroethyl)ether	54.196000	50.000000	1.1314000	0.01	8.39	100.00	2RDR
2-Chlorophenol	59.587000	50.000000	1.0823000	0.01	19.17	100.00	LINR
1,3-Dichlorobenzene	54.214000	50.000000	1.2749000	0.01	8.43	100.00	2RDR
1,4-Dichlorobenzene	53.393000	50.000000	1.2085000	0.01	6.79	20.00	2RDR
Benzyl alcohol	0.5510000	7.85e-002	7.85e-002	0.01	85.75	100.00	AVRG
2-Methylphenol	0.9980000	1.0471000	1.0471000	0.01	4.92	100.00	AVRG
1,2-Dichlorobenzene	55.500000	50.000000	1.1304000	0.01	11.00	100.00	2RDR
N-Nitroso-di-n-propylamine	44.497000	50.000000	0.8039900	0.05	-11.01	100.00	2RDR
3&4-Methylphenol	0.9260000	1.0241000	1.0241000	0.01	10.59	100.00	AVRG
Hexachloroethane	57.418000	50.000000	0.5255000	0.01	14.84	100.00	2RDR
Nitrobenzene	0.3440000	0.3417900	0.3417900	0.01	-0.64	100.00	AVRG
Isophorone	0.6630000	0.6689500	0.6689500	0.01	0.90	100.00	AVRG
2-Nitrophenol	0.2050000	0.2205800	0.2205800	0.01	7.60	20.00	AVRG
2,4-Dimethylphenol	0.3400000	0.3609700	0.3609700	0.01	6.17	100.00	AVRG
Bis(2-Chloroethoxy)methane	54.921000	50.000000	0.3860100	0.01	9.84	100.00	LINR
Benzoic acid	33.425000	50.000000	0.1148900	0.01	-33.15	100.00	LINR
2,4-Dichlorophenol	0.2610000	0.2930200	0.2930200	0.01	12.27	20.00	AVRG
1,2,4-Trichlorobenzene	61.584000	50.000000	0.3036100	0.01	23.17	100.00	LINR
Naphthalene	55.089000	50.000000	0.8391500	0.01	10.18	100.00	2RDR
4-Chloroaniline	54.188000	50.000000	0.3579200	0.01	8.38	100.00	2RDR
Hexachlorobutadiene	0.1540000	0.1628600	0.1628600	0.01	5.75	20.00	AVRG
4-Chloro-3-Methylphenol	0.2840000	0.2924400	0.2924400	0.01	2.97	20.00	AVRG
2-Methylnaphthalene	65.338000	50.000000	0.5991100	0.01	30.68	100.00	LINR

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Instrument ID: GCMS-K Calibration Date: 10/29/05 Time: 1135

Lab File ID: K0453 Init. Calib. Date(s): 10/07/05 10/07/05

Init. Calib. Times: 1303 1706

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	52.650000	50.000000	0.5402600	0.01	5.30	100.00	2RDR
Hexachlorocyclopentadiene	0.1490000	0.1739700	0.1739700	0.05	16.76	100.00	AVRG
2,4,6-Trichlorophenol	0.3290000	0.3362000	0.3362000	0.01	2.19	20.00	AVRG
2,4,5-Trichlorophenol	0.3630000	0.3393400	0.3393400	0.01	-6.52	100.00	AVRG
2-Chloronaphthalene	0.3330000	0.3805200	0.3805200	0.01	14.27	100.00	AVRG
2-Nitroaniline	0.3660000	0.3292100	0.3292100	0.01	-10.05	100.00	AVRG
Dimethyl Phthalate	1.1350000	1.1477000	1.1477000	0.01	1.12	100.00	AVRG
2,6-Dinitrotoluene	57.975000	50.000000	0.2835600	0.01	15.95	100.00	LINR
Acenaphthylene	55.491000	50.000000	1.4296000	0.01	10.98	100.00	2RDR
3-Nitroaniline	0.2900000	0.2879600	0.2879600	0.01	-0.70	100.00	AVRG
Acenaphthene	51.116000	50.000000	0.9003900	0.01	2.23	20.00	2RDR
2,4-Dinitrophenol	44.285000	50.000000	0.1569100	0.05	-11.43	100.00	LINR
Dibenzofuran	51.708000	50.000000	1.2750000	0.01	3.42	100.00	2RDR
4-Nitrophenol	9.3e-002	6.83e-002	6.83e-002	0.05	-26.56	100.00	AVRG
2,4-Dinitrotoluene	0.3800000	0.3637800	0.3637800	0.01	-4.27	100.00	AVRG
Diethylphthalate	50.033000	50.000000	1.1439000	0.01	0.07	100.00	2RDR
Fluorene	51.134000	50.000000	1.0244000	0.01	2.27	100.00	2RDR
4-Chlorophenyl-phenylether	50.339000	50.000000	0.5117800	0.01	0.68	100.00	2RDR
4-Nitroaniline	0.2970000	0.2613800	0.2613800	0.01	-11.99	100.00	AVRG
4,6-Dinitro-2-Methylphenol	0.1440000	0.1506800	0.1506800	0.01	4.64	100.00	AVRG
N-Nitrosodiphenylamine	50.012000	50.000000	0.5842000	0.01	0.02	20.00	2RDR
Azobenzene	55.238000	50.000000	0.7227100	0.01	10.48	100.00	LINR
4-Bromophenyl-phenylether	0.1880000	0.2014100	0.2014100	0.01	7.13	100.00	AVRG
Hexachlorobenzene	57.416000	50.000000	0.2121100	0.01	14.83	100.00	LINR
Pentachlorophenol	0.1060000	0.1004300	0.1004300	0.01	-5.25	20.00	AVRG
Phenanthrene	54.609000	50.000000	0.8911300	0.01	9.22	100.00	2RDR
Anthracene	55.959000	50.000000	0.8519500	0.01	11.92	100.00	2RDR
Carbazole	48.302000	50.000000	0.8489200	0.01	-3.40	100.00	2RDR
Di-n-butylphthalate	48.810000	50.000000	1.2367000	0.01	-2.38	100.00	2RDR

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Instrument ID: GCMS-K Calibration Date: 10/29/05 Time: 1135

Lab File ID: K0453 Init. Calib. Date(s): 10/07/05 10/07/05

Init. Calib. Times: 1303 1706

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
Fluoranthene	48.657000	50.000000	0.8980100	0.01	-2.69	20.00	2RDR
Benzidine	0.2810000	0.3725800	0.3725800	0.01	32.59	100.00	AVRG
Pyrene	1.2620000	1.2625000	1.2625000	0.01	0.04	100.00	AVRG
Butylbenzylphthalate	0.7050000	0.7076400	0.7076400	0.01	0.37	100.00	AVRG
Benzo(a)anthracene	1.0160000	1.0454000	1.0454000	0.01	2.89	100.00	AVRG
3,3'-Dichlorobenzidine	0.2920000	0.3040400	0.3040400	0.01	4.12	100.00	AVRG
Chrysene	0.8670000	0.9240900	0.9240900	0.01	6.58	100.00	AVRG
bis(2-Ethylhexyl)phthalate	0.9080000	0.9179800	0.9179800	0.01	1.10	100.00	AVRG
Di-n-octylphthalate	2.2820000	2.2730000	2.2730000	0.01	-0.39	20.00	AVRG
Benzo(b)fluoranthene	1.3140000	1.2984000	1.2984000	0.01	-1.19	100.00	AVRG
Benzo(k)fluoranthene	54.255000	50.000000	1.2677000	0.01	8.51	100.00	LINR
Benzo(a)pyrene	1.1380000	1.1634000	1.1634000	0.01	2.23	20.00	AVRG
Indeno(1,2,3-cd)pyrene	0.8320000	0.6839300	0.6839300	0.01	-17.80	100.00	AVRG
Dibenzo(a,h)anthracene	0.8070000	0.7180400	0.7180400	0.01	-11.02	100.00	AVRG
Benzo(g,h,i)perylene	0.8370000	0.7231300	0.7231300	0.01	-13.60	100.00	AVRG
2-Fluorophenol	1.0430000	1.1169000	1.1169000	0.01	7.08	100.00	AVRG
Phenol-D6	58.860000	50.000000	1.2060000	0.01	17.72	100.00	LINR
Nitrobenzene-D5	0.3700000	0.3602600	0.3602600	0.01	-2.63	100.00	AVRG
2-Fluorobiphenyl	56.077000	50.000000	1.1316000	0.01	12.15	100.00	2RDR
2,4,6-Tribromophenol	0.1390000	0.1098800	0.1098800	0.01	-20.95	100.00	AVRG
Terphenyl-D14	0.8420000	0.8756100	0.8756100	0.01	3.99	100.00	AVRG

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: MIDDLE RIVER
PO No:
Sample Date:
Received Date:
Extraction Date: 10/26/05
Analysis Date: 29-OCT-2005 12:25
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 100

Lab ID: WG21977-1
Client ID: WG21977-Blank
SDG: MID-6
Extracted by: GN
Extraction Method: SW846 3550
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG21977
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
123-91-1	1,4-Dioxane	U	330	1.0	330	330	160
62-75-9	N-Nitrosodimethylamine	U	330	1.0	330	330	160
110-86-1	Pyridine	U	1600	1.0	1600	1600	160
62-53-3	Aniline	U	330	1.0	330	330	160
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	330	1.0	330	330	31
108-95-2	Phenol	U	330	1.0	330	330	91
111-44-4	Bis(2-Chloroethyl)ether	U	330	1.0	330	330	33
95-57-8	2-Chlorophenol	U	330	1.0	330	330	90
541-73-1	1,3-Dichlorobenzene	U	330	1.0	330	330	53
106-46-7	1,4-Dichlorobenzene	J	32	1.0	330	330	25
100-51-6	Benzyl alcohol	U	660	1.0	660	660	31
95-48-7	2-Methylphenol	U	330	1.0	330	330	140
95-50-1	1,2-Dichlorobenzene	U	330	1.0	330	330	43
621-64-7	N-Nitroso-di-n-propylamine	U	330	1.0	330	330	56
106-44-5	3&4-Methylphenol	U	330	1.0	330	330	150
67-72-1	Hexachloroethane	U	330	1.0	330	330	61
98-95-3	Nitrobenzene	U	330	1.0	330	330	74
78-59-1	Isophorone	U	330	1.0	330	330	52
88-75-5	2-Nitrophenol	U	330	1.0	330	330	110
105-67-9	2,4-Dimethylphenol	U	330	1.0	330	330	120
111-91-1	Bis(2-Chloroethoxy)methane	U	330	1.0	330	330	52
65-85-0	Benzoic acid	U	820	1.0	820	820	410
120-83-2	2,4-Dichlorophenol	U	330	1.0	330	330	130
120-82-1	1,2,4-Trichlorobenzene	U	330	1.0	330	330	44
91-20-3	Naphthalene	U	330	1.0	330	330	64
106-47-8	4-Chloroaniline	U	330	1.0	330	330	53
87-68-3	Hexachlorobutadiene	U	330	1.0	330	330	44
59-50-7	4-Chloro-3-Methylphenol	U	330	1.0	330	330	120
91-57-6	2-Methylnaphthalene	U	330	1.0	330	330	57
90-12-0	1-Methylnaphthalene	U	330	1.0	330	330	160
77-47-4	Hexachlorocyclopentadiene	U	330	1.0	330	330	75
88-06-2	2,4,6-Trichlorophenol	U	330	1.0	330	330	120
95-95-4	2,4,5-Trichlorophenol	U	820	1.0	820	820	180
91-58-7	2-Chloronaphthalene	U	330	1.0	330	330	48
88-74-4	2-Nitroaniline	U	820	1.0	820	820	75
131-11-3	Dimethyl Phthalate	U	330	1.0	330	330	62
606-20-2	2,6-Dinitrotoluene	U	330	1.0	330	330	77
208-96-8	Acenaphthylene	U	330	1.0	330	330	40
99-09-2	3-Nitroaniline	U	820	1.0	820	820	71
83-32-9	Acenaphthene	J	68	1.0	330	330	60
51-28-5	2,4-Dinitrophenol	U	820	1.0	820	820	62
132-64-9	Dibenzofuran	U	330	1.0	330	330	62
100-02-7	4-Nitrophenol	U	820	1.0	820	820	160

Sample Data Summary A0000235

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: MIDDLE RIVER
PO No:
Sample Date:
Received Date:
Extraction Date: 10/26/05
Analysis Date: 29-OCT-2005 12:25
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 100

Lab ID: WG21977-1
Client ID: WG21977-Blank
SDG: MID-6
Extracted by: GN
Extraction Method: SW846 3550
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG21977
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
121-14-2	2,4-Dinitrotoluene	U	330	1.0	330	330	98
84-66-2	Diethylphthalate	U	330	1.0	330	330	100
86-73-7	Fluorene	U	330	1.0	330	330	53
7005-72-3	4-Chlorophenyl-phenylether	U	330	1.0	330	330	50
100-01-6	4-Nitroaniline	U	820	1.0	820	820	86
534-52-1	4,6-Dinitro-2-Methylphenol	U	820	1.0	820	820	210
86-30-6	N-Nitrosodiphenylamine	U	330	1.0	330	330	72
103-33-3	Azobenzene	U	660	1.0	660	660	160
101-55-3	4-Bromophenyl-phenylether	U	330	1.0	330	330	56
118-74-1	Hexachlorobenzene	U	330	1.0	330	330	230
87-86-5	Pentachlorophenol	U	820	1.0	820	820	140
85-01-8	Phenanthrene	U	330	1.0	330	330	58
120-12-7	Anthracene	U	330	1.0	330	330	58
86-74-8	Carbazole	U	330	1.0	330	330	60
84-74-2	Di-n-butylphthalate	U	330	1.0	330	330	84
206-44-0	Fluoranthene	U	330	1.0	330	330	71
92-87-5	Benzidine	U	1500	1.0	1500	1500	410
129-00-0	Pyrene	U	330	1.0	330	330	72
85-68-7	Butylbenzylphthalate	U	330	1.0	330	330	68
56-55-3	Benzo(a)anthracene	U	330	1.0	330	330	59
91-94-1	3,3'-Dichlorobenzidine	U	330	1.0	330	330	130
218-01-9	Chrysene	U	330	1.0	330	330	66
117-81-7	bis(2-Ethylhexyl)phthalate	U	330	1.0	330	330	74
117-84-0	Di-n-octylphthalate	U	330	1.0	330	330	74
205-99-2	Benzo(b)fluoranthene	U	330	1.0	330	330	64
207-08-9	Benzo(k)fluoranthene	U	330	1.0	330	330	59
50-32-8	Benzo(a)pyrene	U	330	1.0	330	330	45
193-39-5	Indeno(1,2,3-cd)pyrene	U	330	1.0	330	330	130
53-70-3	Dibenzo(a,h)anthracene	U	330	1.0	330	330	140
191-24-2	Benzo(g,h,i)perylene	U	330	1.0	330	330	130
367-12-4	2-Fluorophenol		50%				
13127-88-3	Phenol-D6		68%				
4165-60-0	Nitrobenzene-D5		41%				
321-60-8	2-Fluorobiphenyl		49%				
118-79-6	2,4,6-Tribromophenol		64%				
1718-51-0	Terphenyl-D14		* 62%				

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

WG21977-Blank

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Matrix: (soil/water) SOIL Lab Sample ID: WG21977-1

Sample wt/vol: 0.030(Kg/mL) KG Lab File ID: K0454

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/26/05

Concentrated Extract Volume: 0.001(L) Date Analyzed: 10/29/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 5

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	141-79-7	3-PENTEN-2-ONE, 4-METHYL-	4.74	200	NJ
2.		UNKNOWN	5.25	800	J
3.		UNKNOWN	5.79	40000	J
4.		UNKNOWN	7.11	400	J
5.		UNKNOWN	11.80	200	J
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I SV-TIC

SV-SON

Katahdin Analytical Services, Inc.
Organic Extraction Log

Protocol: SW846 **Analytical Method:** SW846/8270

Analysis: Semivolatile Organics **Extraction Technique:** SONIC 3550

Date QC Started: 10-26-05 SOX 3540

QC Expiration Date: 11-10-05 ASE 3545

QC Batch ID: **Matrix:** SOLID

SURROGATE ID: SV2067 SV **SPIKE ID:** SV2062
SV2066 SIM

CLEAN-UP: GC screen, GPC, Florisil, Acid Wash, Other: **Sonicator Horns Tuned:**

Solvent Lot # $MECl_2$ B24E79

Solvent Lot # Acetone B15E76

Client ID	Date Extracted	Ext. Init.	Sample ID	Initial Volume	Surr Vol	Spike Vol	Final Vol	Dry Conc	Test Location	Init.	Comments
Client	10-26-05	GN	WG21977-1	30g	1.0mL	NR	1mL	10-29-05	SV089 D7	TR	SV R41049 DRYVAP POS.1
LCS1			-2			1.0mL			D8		POS.2
MS			-4						D9		MS WG5605-2 10 SV 11-1-05 POS3
MSD			-5						D10		MSD POS4
Blank2		GN	WG21978-1	30g	1.0mL	NR					SIM R41050
LCS2			-2			1.0mL					
Blank3			-3								
LCS3											
Blank4											
LCS4											
Blank5											
LCS5											
Blank6											
LCS6											

Client ID	Date Extracted	Ext. Init.	Sample ID	Initial Volume	Surr Vol	Spike Vol	Final Vol	Dry Conc	Test Location	Init.	Comments
	10-26-05	GN	~~WG5583~~ WG5605-13	30g	1.0mL	NR	1mL	10-29-05	SV089 E1	TR	DRYVAP POS.5
			-14						E2		POS.6
			-15						E3		POS.1
			-16						E4		POS.2
			-17						E5		POS.6
			-18						E6		POS.5
			-19						E7		POS.4
			-20						E8		POS.3
			WG5606-1						E9		POS.1
			-2						E10		POS.6
			-3						SV090 A1		POS.4
			-4						A2		POS.2
			-5						A3		POS.5
			-6						A4		POS.3
			-7						A5		POS.1 SV SIM
			WG5411-13	30g	1.0mL RA	NR					
			-15	30g							
			-17	15g							

Reviewed By: _____

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: MIDDLE RIVER
PO No:
Sample Date:
Received Date:
Extraction Date: 10/26/05
Analysis Date: 10/29/05
Report Date: 11/02/2005
Matrix: SOIL

Lab ID: WG21977-2
Client ID: WG21977-LCS
SDG: MID-6
Extracted by: GN
Extraction Method: SW846 3550
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG21977
Units: ug/Kg

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.		%REC.	QC. LIMITS
N-Nitrosodimethylamine	1667	NA	1070		64	47- 97
Pyridine	1667	NA	468		28	17-158
Aniline	1667	NA	879		53	52- 97
Phenol	3333	NA	2980		89	48-116
Bis(2-Chloroethyl)ether	1667	NA	1140		68	54-114
2-Chlorophenol	3333	NA	2980		89	60-118
1,3-Dichlorobenzene	1667	NA	1130		68	45-110
1,4-Dichlorobenzene	1667	NA	1180		71	44-111
1,2-Dichlorobenzene	1667	NA	1290		77	38-113
Benzyl alcohol	1667	NA	1210	*	73	74-125
2-Methylphenol	3333	NA	2380		71	53-121
2,2'-Oxybis(1-chloropropane)	1667	NA	1240		74	49-122
N-Nitroso-di-n-propylamine	1667	NA	955		57	36-115
3&4-Methylphenol	3333	NA	2660		80	59-127
4-Methylphenol	3333	NA	2660		80	59-127
Hexachloroethane	1667	NA	1060		64	40- 99
Nitrobenzene	1667	NA	1260		76	49-113
Isophorone	1667	NA	1210		73	46-112
2-Nitrophenol	3333	NA	2400		72	57-120
2,4-Dimethylphenol	3333	NA	2460		74	54-113
Bis(2-Chloroethoxy)methane	1667	NA	1360		82	50-117
Benzoic acid	1667	NA	742		44	0-150
2,4-Dichlorophenol	3333	NA	2690		81	59-116
1,2,4-Trichlorobenzene	1667	NA	1420		85	53-115
Naphthalene	1667	NA	1230		74	49-125
4-Chloroaniline	1667	NA	697		42	20-120
Hexachlorobutadiene	1667	NA	1340		80	53-114
4-Chloro-3-Methylphenol	3333	NA	2730		82	62-126
2-Methylnaphthalene	1667	NA	1600		96	61-122
Hexachlorocyclopentadiene	1667	NA	1360	*	82	28- 73
2,4,6-Trichlorophenol	3333	NA	2800		84	62-120
2,4,5-Trichlorophenol	3333	NA	2570		77	62-124
Diethyl Adipate	1667	NA	1430		86	56-124
2-Chloronaphthalene	1667	NA	1230		74	42-160
2-Nitroaniline	1667	NA	1260		76	66-121
Dimethyl Phthalate	1667	NA	1420		85	56-133
2,6-Dinitrotoluene	1667	NA	1380		83	66-127
Acenaphthylene	1667	NA	1350		81	47-117
3-Nitroaniline	1667	NA	743	*	44	57-120
Acenaphthene	1667	NA	1300		78	54-122
2,4-Dinitrophenol	3333	NA	1760		53	3-118
Dibenzofuran	1667	NA	1440		86	66-119
4-Nitrophenol	3333	NA	1950		58	41-149
2,4-Dinitrotoluene	1667	NA	1310		79	60-125
Diethylphthalate	1667	NA	1280		77	57-135

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: MIDDLE RIVER
PO No:
Sample Date:
Received Date:
Extraction Date: 10/26/05
Analysis Date: 10/29/05
Report Date: 11/02/2005
Matrix: SOIL

Lab ID: WG21977-2
Client ID: WG21977-LCS
SDG: MID-6
Extracted by: GN
Extraction Method: SW846 3550
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG21977
Units: ug/Kg

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.		%REC.	QC. LIMITS
Fluorene	1667	NA	1340		80	54-128
4-Chlorophenyl-phenylether	1667	NA	1360		82	53-133
4-Nitroaniline	1667	NA	928	*	56	62-125
4,6-Dinitro-2-Methylphenol	3333	NA	2590		78	46-125
N-Nitrosodiphenylamine	3333	NA	990	*	30	70-131
1,2-Diphenylhydrazine	1667	NA	1410		85	55-121
4-Bromophenyl-phenylether	1667	NA	1530		92	67-138
Hexachlorobenzene	1667	NA	1720		103	63-131
Pentachlorophenol	3333	NA	2760		83	54-131
Phenanthrene	1667	NA	1350		81	69-133
Anthracene	1667	NA	1490		89	70-131
Carbazole	1667	NA	1240	*	74	78-133
Di-n-butylphthalate	1667	NA	1160		70	65-139
Fluoranthene	1667	NA	1370		82	69-133
Benzidine		NA				0-150
Pyrene	1667	NA	1350		81	58-141
Butylbenzylphthalate	1667	NA	1320		79	44-155
Bis(2-ethylhexyl)adipate	1667	NA	1150		69	60-157
Benzo(a)anthracene	1667	NA	1310		79	54-135
3,3'-Dichlorobenzidine	1667	NA	802		48	38-137
Chrysene	1667	NA	1500		90	55-129
bis(2-Ethylhexyl)phthalate	1667	NA	1330		80	45-154
Di-n-octylphthalate	1667	NA	1180		71	53-143
Benzo(b)fluoranthene	1667	NA	1260		76	47-136
Benzo(k)fluoranthene	1667	NA	1460		88	49-150
Benzo(a)pyrene	1667	NA	1320		79	52-135
Indeno(1,2,3-cd)pyrene	1667	NA	1310		79	43-142
Dibenzo(a,h)anthracene	1667	NA	1330		80	42-155
Benzo(g,h,i)perylene	1667	NA	1390		83	40-147

FORM III SV-2
K0455.D

KATAHDIN ANALYTICAL SERVICES
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/26/05
Analysis Date: 10/29/05
Report Date: 11/02/2005
Matrix: SOIL

Lab ID: WG21977-4 & WG21977-5
Client ID: SD-31-02MS & SD-31-02MSD
SDG: MID-6
Extracted by: GN
Extraction Method: SW846 3550
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG21977
Units: ug/Kg

COMPOUND	MS SPIKE	MSD SPIKE	SAMPLE CONC.	MS CONC.	MSD CONC.		MS %REC.		MSD %REC.		%RPD	%RPD LIMIT	QC. LIMITS
N-Nitrosodimethylamine	5148	5148	0.00	1590	2550	*	31		50		46	50	47- 97
Pyridine	5148	5148	0.00	679	1780	*	13		34	*	90	50	17-158
Aniline	5148	5148	0.00	990	1520	*	19	*	30		42	50	52- 97
2,2'-Oxybis(1-Chloropropane)	5148	5148	0.00	1560	2970	*	30		58	*	62	50	49-122
Phenol	10295	10295	0.00	6640	8410		64		82		24	50	48-116
Bis(2-Chloroethyl)ether	5148	5148	0.00	1580	2660	*	31	*	52	*	51	50	54-114
2-Chlorophenol	10295	10295	0.00	5870	7950	*	57		77		30	50	60-118
1,3-Dichlorobenzene	5148	5148	0.00	812	2050	*	16	*	40	*	86	50	45-110
1,4-Dichlorobenzene	5148	5148	0.00	912	2150	*	18	*	42	*	81	50	44-111
Benzyl alcohol	5148	5148	0.00	2530	4240	*	49		82		50	50	74-125
2-Methylphenol	10295	10295	0.00	5820	7260		56		70		22	50	53-121
1,2-Dichlorobenzene	5148	5148	0.00	1160	2530	*	22		49	*	74	50	38-113
N-Nitroso-di-n-propylamine	5148	5148	0.00	1820	2800	*	35		54		42	50	36-115
3&4-Methylphenol	10295	10295	0.00	6380	8140		62		79		24	50	59-127
Hexachloroethane	5148	5148	0.00	195	420	*	4	*	8	*	73	50	40- 99
Nitrobenzene	5148	5148	0.00	2240	3390	*	44		66		41	50	49-113
Isophorone	5148	5148	0.00	2590	3390		50		66		27	50	46-112
2-Nitrophenol	10295	10295	0.00	4810	6520	*	47		63		30	50	57-120
2,4-Dimethylphenol	10295	10295	0.00	6490	7590		63		74		16	50	54-113
Bis(2-Chloroethoxy)methane	5148	5148	0.00	2660	3870		52		75		37	50	50-117
Benzoic acid	5148	5148	0.00	5480	6420		106		125		16	50	0-150
2,4-Dichlorophenol	10295	10295	0.00	6700	7750		65		75		14	50	59-116
1,2,4-Trichlorobenzene	5148	5148	0.00	1880	3070	*	36		60		48	50	53-115
Naphthalene	5148	5148	0.00	2050	3070	*	40		60		40	50	49-125
4-Chloroaniline	5148	5148	0.00	1280	1820		25		35		35	50	20-120
Hexachlorobutadiene	5148	5148	0.00	1720	2880	*	33		56		50	50	53-114
4-Chloro-3-Methylphenol	10295	10295	0.00	7230	8310		70		81		14	50	62-126
2-Methylnaphthalene	5148	5148	0.00	3760	4740		73		92		23	50	61-122
Hexachlorocyclopentadiene	5100	5100	0.00	0.0	0.0	*	0	*	0			50	28- 73
2,4,6-Trichlorophenol	10295	10295	0.00	6750	7530		66		73		11	50	62-120
2,4,5-Trichlorophenol	10295	10295	0.00	6160	6930	*	60		67		12	50	62-124
2-Chloronaphthalene	5148	5148	0.00	2810	3230		54		63		14	50	42-160
2-Nitroaniline	5148	5148	0.00	3150	3740	*	61		73		17	50	66-121
Dimethyl Phthalate	5148	5148	0.00	3390	3740		66		73		10	50	56-133
2,6-Dinitrotoluene	5148	5148	0.00	3210	3560	*	62		69		10	50	66-127
Acenaphthylene	5148	5148	0.00	2910	3350		56		65		14	50	47-117
3-Nitroaniline	5148	5148	0.00	1360	1640	*	26	*	32		19	50	57-120
Acenaphthene	5148	5148	0.00	2780	3140		54		61		12	50	54-122
2,4-Dinitrophenol	10295	10295	0.00	3500	3890		34		38		10	50	3-118
Dibenzofuran	5148	5148	0.00	3210	3590	*	62		70		11	50	66-119
4-Nitrophenol	10295	10295	0.00	5800	7590		56		74		27	50	41-149
2,4-Dinitrotoluene	5148	5148	0.00	2960	3410	*	58		66		14	50	60-125
Diethylphthalate	5148	5148	0.00	3050	3430		59		67		12	50	57-135
Fluorene	5148	5148	0.00	2950	3390		57		66		14	50	54-128
4-Chlorophenyl-phenylether	5148	5148	0.00	3020	3460		59		67		14	50	53-133

FORM III SV-2
K0466.D & K0467.D

Sample Data Summary A0000250

KATAHDIN ANALYTICAL SERVICES
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/26/05
Analysis Date: 10/29/05
Report Date: 11/02/2005
Matrix: SOIL

Lab ID: WG21977-4 & WG21977-5
Client ID: SD-31-02MS & SD-31-02MSD
SDG: MID-6
Extracted by: GN
Extraction Method: SW846 3550
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG21977
Units: ug/Kg

COMPOUND	MS SPIKE	MSD SPIKE	SAMPLE CONC.	MS CONC.	MSD CONC.	MS %REC.	MSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
4-Nitroaniline	5148	5148	0.00	2000	2390	* 39	* 46	18	50	62-125
4,6-Dinitro-2-Methylphenol	10295	10295	0.00	4840	5660	47	55	16	50	46-125
N-Nitrosodiphenylamine	10295	10295	0.00	2520	2880	* 24	* 28	13	50	70-131
4-Bromophenyl-phenylether	5148	5148	0.00	3670	4030	71	78	9	50	67-138
Hexachlorobenzene	5148	5148	0.00	3670	4160	71	81	12	50	63-131
Pentachlorophenol	10295	10295	0.00	5060	6170	* 49	60	20	50	54-131
Phenanthrene	5148	5148	0.00	3480	3900	* 68	76	11	50	69-133
Anthracene	5148	5148	0.00	3370	3920	* 65	76	15	50	70-131
Carbazole	5148	5148	0.00	2730	3350	* 53	* 65	20	50	78-133
Di-n-butylphthalate	5148	5148	0.00	2670	3020	* 52	* 59	12	50	65-139
Fluoranthene	5148	5148	0.00	2480	2960	* 48	* 58	18	50	69-133
Benzidine	5100	5100	0.00	0.0	0.0	0	0		50	0-150
Pyrene	5148	5148	0.00	5330	5730	104	111	7	50	58-141
Butylbenzylphthalate	5148	5148	0.00	4400	4930	85	96	11	50	44-155
Benzo(a)anthracene	5148	5148	0.00	3220	3660	62	71	13	50	54-135
3,3'-Dichlorobenzidine	5148	5148	0.00	589	1060	* 11	* 20	* 57	50	38-137
Chrysene	5148	5148	0.00	3760	4260	73	83	12	50	55-129
bis(2-Ethylhexyl)phthalate	5148	5148	976	4530	5130	69	81	12	50	45-154
Di-n-octylphthalate	5148	5148	0.00	4190	5270	81	102	23	50	53-143
Benzo(b)fluoranthene	5148	5148	0.00	3490	3980	68	77	13	50	47-136
Benzo(k)fluoranthene	5148	5148	0.00	3510	4290	68	83	20	50	49-150
Benzo(a)pyrene	5148	5148	0.00	3090	3780	60	73	20	50	52-135
Indeno(1,2,3-cd)pyrene	5148	5148	0.00	2650	2870	51	56	8	50	43-142
Dibenzo(a,h)anthracene	5148	5148	0.00	2600	3220	50	62	21	50	42-155
Benzo(g,h,i)perylene	5148	5148	0.00	2720	3100	53	60	13	50	40-147

FORM III SV-2
K0466.D & K0467.D

Sample Data Summary A0000251

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Lab File ID (Standard): K0453 Date Analyzed: 10/29/05

Instrument ID: GCMS-K Time Analyzed: 1135

		IS1(DCB) AREA	#	RT	#	IS2(NPT) AREA	#	RT	#	IS3(ANT) AREA	#	RT	#
12 HOUR STD		492250		8.89		1477683		11.72		737354		15.85	
UPPER LIMIT		984500		9.39		2955366		12.22		1474708		16.35	
LOWER LIMIT		246125		8.39		738842		11.22		368677		15.35	
	CLIENT SAMPLE ID	LAB SAMPLE ID											
01	WG21977-BLANK	WG21977-1		478446		8.90		1631427		11.72		830201		15.85	
02	WG21977-LCS	WG21977-2		427479		8.91		1332727		11.73		717229		15.85	
03	SD-31-01	WV5605-15		528054		8.90		1722026		11.73		921495		15.87	
04	SD-31-02	WV5605-16		539294		8.91		1869449		11.73		988102		15.86	
05	SD-31-SS	WV5605-14		525384		8.91		1774178		11.73		916584		15.86	
06	SD-32-SS	WV5605-17		531334		8.91		1800475		11.73		883972		15.86	
07	SD-33-SS	WV5605-18		542596		8.91		1865516		11.73		976577		15.86	
08	SD-35-SS	WV5605-20		504471		8.91		1720659		11.74		871006		15.86	
09	SD-34-SS	WV5605-19		513201		8.91		1778525		11.74		913670		15.87	
10	SD-30-SS	WV5605-13		521782		8.91		1861476		11.74		978742		15.87	
11	SD-31-02MS	WG21977-4		492984		8.91		1471809		11.74		834262		15.87	
12	SD-31-02MSD	WG21977-5		526994		8.92		1642251		11.75		947367		15.87	
13															
14															
15															
16															
17															
18															
19															
20															

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

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

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

FORM VIII SV-1

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Lab File ID (Standard): K0453 Date Analyzed: 10/29/05

Instrument ID: GCMS-K Time Analyzed: 1135

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
12 HOUR STD		1075303	19.40	791181	25.76	516823	28.96
UPPER LIMIT		2150606	19.90	1582362	26.26	1033646	29.46
LOWER LIMIT		537652	18.90	395591	25.26	258412	28.46
	CLIENT SAMPLE ID	LAB SAMPLE ID					
01	WG21977-BLANK	WG21977-1	1204046	19.39	962127	25.77	745655	28.96
02	WG21977-LCS	WG21977-2	1091071	19.40	832587	25.77	598305	28.97
03	SD-31-01	WV5605-15	1325378	19.40	985797	25.77	617091	28.97
04	SD-31-02	WV5605-16	1435854	19.40	938451	25.78	518017	28.98
05	SD-31-SS	WV5605-14	1259604	19.40	759513	25.77	421284	28.97
06	SD-32-SS	WV5605-17	1201101	19.40	657085	25.77	358319	28.97
07	SD-33-SS	WV5605-18	1360104	19.40	817680	25.78	371929	28.98
08	SD-35-SS	WV5605-20	1159795	19.41	596512	25.78	326056	28.98
09	SD-34-SS	WV5605-19	1197407	19.41	507985	25.78	221890*	28.98
10	SD-30-SS	WV5605-13	1267619	19.41	505848	25.78	249831*	28.98
11	SD-31-02MS	WG21977-4	1164027	19.42	470151	25.79	231785*	28.99
12	SD-31-02MSD	WG21977-5	1346858	19.42	581698	25.80	264811	28.99
13								
14								
15								
16								
17								
18								
19								
20								

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

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

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

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Lab File ID: KD658 DFTPP Injection Date: 10/30/05

Instrument ID: GCMS-K DFTPP Injection Time: 2003

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	54.7
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Less than 100.0% of mass 198	56.7
70	Less than 2.0% of mass 69	0.2 (0.4)1
127	40.0 - 60.0% of mass 198	46.4
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	22.3
365	1.0 - 100.0% of mass 198	2.2
441	0.0 - 100.0% of mass 443	8.4 (84.8)2
442	40.0 - 100.0% of mass 198	46.8
443	17.0 - 23.0% of mass 442	9.9 (21.1)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		SSTD050K1030	K0468	10/30/05	2024
02	WG22096-BLANK	WG22096-1RA	K0469	10/30/05	2112
03	SD-25-SS	WV5605-2	K0475	10/31/05	0206
04	SD-27-SS	WV5605-4	K0476	10/31/05	0255
05	SD-25-SSMS	WG22096-3	K0477	10/31/05	0344
06	SD-25-SSMSD	WG22096-4	K0478	10/31/05	0433
07	SD-27-SSMS	WG22096-5	K0479	10/31/05	0521
08	SD-27-SSMSD	WG22096-6	K0480	10/31/05	0609
09					
10					
11					
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: MIDDLE RIVER SDG No.: MID-6

Instrument ID: GCMS-K Calibration Date: 10/30/05 Time: 2024

Lab File ID: K0468 Init. Calib. Date(s): 10/07/05 10/07/05

Init. Calib. Times: 1303 1706

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	0.5500000	0.5661600	0.5661600	0.01	2.94	100.00	AVRG
N-Nitrosodimethylamine	0.7970000	0.9127600	0.9127600	0.01	14.52	100.00	AVRG
Pyridine	1.5520000	1.5703000	1.5703000	0.01	1.18	100.00	AVRG
Aniline	46.955000	50.000000	1.6799000	0.01	-6.09	100.00	2RDR
2,2'-Oxybis(1-Chloropropane)	60.154000	50.000000	2.2034000	0.01	20.31	100.00	LINR
Phenol	57.443000	50.000000	1.4202000	0.01	14.89	20.00	LINR
Bis(2-Chloroethyl)ether	51.992000	50.000000	1.0978000	0.01	3.98	100.00	2RDR
2-Chlorophenol	57.178000	50.000000	1.0435000	0.01	14.36	100.00	LINR
1,3-Dichlorobenzene	50.457000	50.000000	1.2050000	0.01	0.91	100.00	2RDR
1,4-Dichlorobenzene	51.657000	50.000000	1.1776000	0.01	3.31	20.00	2RDR
Benzyl alcohol	0.5510000	0.1984300	0.1984300	0.01	63.99	100.00	AVRG
2-Methylphenol	0.9980000	1.0130000	1.0130000	0.01	1.50	100.00	AVRG
1,2-Dichlorobenzene	52.935000	50.000000	1.0898000	0.01	5.87	100.00	2RDR
N-Nitroso-di-n-propylamine	48.311000	50.000000	0.8555300	0.05	-3.38	100.00	2RDR
3&4-Methylphenol	0.9260000	1.0608000	1.0608000	0.01	14.56	100.00	AVRG
Hexachloroethane	53.116000	50.000000	0.4967900	0.01	6.23	100.00	2RDR
Nitrobenzene	0.3440000	0.3359300	0.3359300	0.01	-2.34	100.00	AVRG
Isophorone	0.6630000	0.6304700	0.6304700	0.01	-4.91	100.00	AVRG
2-Nitrophenol	0.2050000	0.2031600	0.2031600	0.01	-0.90	20.00	AVRG
2,4-Dimethylphenol	0.3400000	0.3423400	0.3423400	0.01	0.69	100.00	AVRG
Bis(2-Chloroethoxy)methane	51.980000	50.000000	0.3675300	0.01	3.96	100.00	LINR
Benzoic acid	28.978000	50.000000	9.63e-002	0.01	42.04	100.00	LINR
2,4-Dichlorophenol	0.2610000	0.2816700	0.2816700	0.01	7.92	20.00	AVRG
1,2,4-Trichlorobenzene	56.670000	50.000000	0.2818800	0.01	13.34	100.00	LINR
Naphthalene	47.756000	50.000000	0.7516400	0.01	-4.49	100.00	2RDR
4-Chloroaniline	49.697000	50.000000	0.3339700	0.01	-0.61	100.00	2RDR
Hexachlorobutadiene	0.1540000	0.1709700	0.1709700	0.01	11.02	20.00	AVRG
4-Chloro-3-Methylphenol	0.2840000	0.2925800	0.2925800	0.01	3.02	20.00	AVRG
2-Methylnaphthalene	61.212000	50.000000	0.5650500	0.01	22.42	100.00	LINR

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Instrument ID: GCMS-K Calibration Date: 10/30/05 Time: 2024

Lab File ID: K0468 Init. Calib. Date(s): 10/07/05 10/07/05

Init. Calib. Times: 1303 1706

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	48.579000	50.000000	0.5065500	0.01	-2.84	100.00	2RDR
Hexachlorocyclopentadiene	0.1490000	0.1482000	0.1482000	0.05	-0.54	100.00	AVRG
2,4,6-Trichlorophenol	0.3290000	0.3391900	0.3391900	0.01	3.10	20.00	AVRG
2,4,5-Trichlorophenol	0.3630000	0.3419400	0.3419400	0.01	-5.80	100.00	AVRG
2-Chloronaphthalene	0.3330000	0.3111600	0.3111600	0.01	-6.56	100.00	AVRG
2-Nitroaniline	0.3660000	0.3322100	0.3322100	0.01	-9.23	100.00	AVRG
Dimethyl Phthalate	1.1350000	1.1014000	1.1014000	0.01	-2.96	100.00	AVRG
2,6-Dinitrotoluene	53.666000	50.000000	0.2647100	0.01	7.33	100.00	LINR
Acenaphthylene	47.936000	50.000000	1.2866000	0.01	-4.13	100.00	2RDR
3-Nitroaniline	0.2900000	0.2698700	0.2698700	0.01	-6.94	100.00	AVRG
Acenaphthene	45.474000	50.000000	0.8289100	0.01	-9.05	20.00	2RDR
2,4-Dinitrophenol	45.708000	50.000000	0.1626600	0.05	-8.58	100.00	LINR
Dibenzofuran	46.751000	50.000000	1.1826000	0.01	-6.50	100.00	2RDR
4-Nitrophenol	9.3e-002	8.76e-002	8.76e-002	0.05	-5.81	100.00	AVRG
2,4-Dinitrotoluene	0.3800000	0.3648900	0.3648900	0.01	-3.98	100.00	AVRG
Diethylphthalate	46.868000	50.000000	1.0854000	0.01	-6.26	100.00	2RDR
Fluorene	47.242000	50.000000	0.9662500	0.01	-5.52	100.00	2RDR
4-Chlorophenyl-phenylether	50.457000	50.000000	0.5127100	0.01	0.91	100.00	2RDR
4-Nitroaniline	0.2970000	0.2599200	0.2599200	0.01	-12.48	100.00	AVRG
4,6-Dinitro-2-Methylphenol	0.1440000	0.1531600	0.1531600	0.01	6.36	100.00	AVRG
N-Nitrosodiphenylamine	47.345000	50.000000	0.5599800	0.01	-5.31	20.00	2RDR
Azobenzene	50.428000	50.000000	0.6659500	0.01	0.86	100.00	LINR
4-Bromophenyl-phenylether	0.1880000	0.2118600	0.2118600	0.01	12.69	100.00	AVRG
Hexachlorobenzene	62.147000	50.000000	0.2279200	0.01	24.29	100.00	LINR
Pentachlorophenol	0.1060000	9.96e-002	9.96e-002	0.01	-6.04	20.00	AVRG
Phenanthrene	49.420000	50.000000	0.8226700	0.01	-1.16	100.00	2RDR
Anthracene	47.048000	50.000000	0.7579600	0.01	-5.90	100.00	2RDR
Carbazole	43.327000	50.000000	0.7789100	0.01	-13.35	100.00	2RDR
Di-n-butylphthalate	43.677000	50.000000	1.1446000	0.01	-12.65	100.00	2RDR

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Instrument ID: GCMS-K Calibration Date: 10/30/05 Time: 2024

Lab File ID: K0468 Init. Calib. Date(s): 10/07/05 10/07/05

Init. Calib. Times: 1303 1706

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
Fluoranthene	45.670000	50.000000	0.8562400	0.01	-8.66	20.00	2RDR
Benzidine	0.2810000	0.2792200	0.2792200	0.01	-0.63	100.00	AVRG
Pyrene	1.2620000	1.1582000	1.1582000	0.01	-8.22	100.00	AVRG
Butylbenzylphthalate	0.7050000	0.6102700	0.6102700	0.01	-13.44	100.00	AVRG
Benzo(a)anthracene	1.0160000	0.9676700	0.9676700	0.01	-4.76	100.00	AVRG
3,3'-Dichlorobenzidine	0.2920000	0.2740000	0.2740000	0.01	-6.16	100.00	AVRG
Chrysene	0.8670000	0.8534400	0.8534400	0.01	-1.56	100.00	AVRG
bis(2-Ethylhexyl)phthalate	0.9080000	0.7913400	0.7913400	0.01	-12.85	100.00	AVRG
Di-n-octylphthalate	2.2820000	1.9790000	1.9790000	0.01	-13.28	20.00	AVRG
Benzo(b)fluoranthene	1.3140000	1.1784000	1.1784000	0.01	-10.32	100.00	AVRG
Benzo(k)fluoranthene	50.596000	50.000000	1.1903000	0.01	1.19	100.00	LINR
Benzo(a)pyrene	1.1380000	1.0555000	1.0555000	0.01	-7.25	20.00	AVRG
Indeno(1,2,3-cd)pyrene	0.8320000	0.6845000	0.6845000	0.01	-17.73	100.00	AVRG
Dibenzo(a,h)anthracene	0.8070000	0.7186700	0.7186700	0.01	-10.94	100.00	AVRG
Benzo(g,h,i)perylene	0.8370000	0.7325200	0.7325200	0.01	-12.48	100.00	AVRG
2-Fluorophenol	1.0430000	1.0594000	1.0594000	0.01	1.57	100.00	AVRG
Phenol-D6	59.369000	50.000000	1.2154000	0.01	18.74	100.00	LINR
Nitrobenzene-D5	0.3700000	0.3274700	0.3274700	0.01	-11.49	100.00	AVRG
2-Fluorobiphenyl	45.839000	50.000000	0.9795800	0.01	-8.32	100.00	2RDR
2,4,6-Tribromophenol	0.1390000	0.1558000	0.1558000	0.01	12.09	100.00	AVRG
Terphenyl-D14	0.8420000	0.8712800	0.8712800	0.01	3.48	100.00	AVRG

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: MIDDLE RIVER
PO No:
Sample Date:
Received Date:
Extraction Date: 10/27/05
Analysis Date: 30-OCT-2005 21:12
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 100

Lab ID: WG22096-1RA
Client ID: WG22096-Blank
SDG: MID-6
Extracted by: KF
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG22096
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
123-91-1	1,4-Dioxane	U	330	1.0	330	330	160
62-75-9	N-Nitrosodimethylamine	U	330	1.0	330	330	160
110-86-1	Pyridine	U	330	1.0	330	330	160
62-53-3	Aniline	U	330	1.0	330	330	160
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	330	1.0	330	330	31
108-95-2	Phenol	U	330	1.0	330	330	91
111-44-4	Bis(2-Chloroethyl)ether	U	330	1.0	330	330	33
95-57-8	2-Chlorophenol	U	330	1.0	330	330	90
541-73-1	1,3-Dichlorobenzene	U	330	1.0	330	330	53
106-46-7	1,4-Dichlorobenzene	U	330	1.0	330	330	25
100-51-6	Benzyl alcohol	U	330	1.0	330	330	31
95-48-7	2-Methylphenol	U	330	1.0	330	330	140
95-50-1	1,2-Dichlorobenzene	U	330	1.0	330	330	43
621-64-7	N-Nitroso-di-n-propylamine	U	330	1.0	330	330	56
106-44-5	3&4-Methylphenol	U	330	1.0	330	330	150
67-72-1	Hexachloroethane	U	330	1.0	330	330	61
98-95-3	Nitrobenzene	U	330	1.0	330	330	74
78-59-1	Isophorone	U	330	1.0	330	330	52
88-75-5	2-Nitrophenol	U	330	1.0	330	330	110
105-67-9	2,4-Dimethylphenol	U	330	1.0	330	330	120
111-91-1	Bis(2-Chloroethoxy)methane	U	330	1.0	330	330	52
65-85-0	Benzoic acid	U	820	1.0	820	820	410
120-83-2	2,4-Dichlorophenol	U	330	1.0	330	330	130
120-82-1	1,2,4-Trichlorobenzene	U	330	1.0	330	330	44
91-20-3	Naphthalene	U	330	1.0	330	330	64
106-47-8	4-Chloroaniline	U	330	1.0	330	330	53
87-68-3	Hexachlorobutadiene	U	330	1.0	330	330	44
59-50-7	4-Chloro-3-Methylphenol	U	330	1.0	330	330	120
91-57-6	2-Methylnaphthalene	U	330	1.0	330	330	57
90-12-0	1-Methylnaphthalene	U	330	1.0	330	330	160
77-47-4	Hexachlorocyclopentadiene	U	330	1.0	330	330	75
88-06-2	2,4,6-Trichlorophenol	U	330	1.0	330	330	120
95-95-4	2,4,5-Trichlorophenol	U	820	1.0	820	820	180
91-58-7	2-Chloronaphthalene	U	330	1.0	330	330	48
88-74-4	2-Nitroaniline	U	820	1.0	820	820	75
131-11-3	Dimethyl Phthalate	U	330	1.0	330	330	62
606-20-2	2,6-Dinitrotoluene	U	330	1.0	330	330	77
208-96-8	Acenaphthylene	U	330	1.0	330	330	40
99-09-2	3-Nitroaniline	U	820	1.0	820	820	71
83-32-9	Acenaphthene	U	330	1.0	330	330	60
51-28-5	2,4-Dinitrophenol	U	820	1.0	820	820	62
132-64-9	Dibenzofuran	U	330	1.0	330	330	62
100-02-7	4-Nitrophenol	U	820	1.0	820	820	160

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: MIDDLE RIVER
PO No:
Sample Date:
Received Date:
Extraction Date: 10/27/05
Analysis Date: 30-OCT-2005 21:12
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 100

Lab ID: WG22096-1RA
Client ID: WG22096-Blank
SDG: MID-6
Extracted by: KF
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG22096
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
121-14-2	2,4-Dinitrotoluene	U	330	1.0	330	330	98
84-66-2	Diethylphthalate	U	330	1.0	330	330	100
86-73-7	Fluorene	U	330	1.0	330	330	53
7005-72-3	4-Chlorophenyl-phenylether	U	330	1.0	330	330	50
100-01-6	4-Nitroaniline	U	820	1.0	820	820	86
534-52-1	4,6-Dinitro-2-Methylphenol	U	820	1.0	820	820	210
86-30-6	N-Nitrosodiphenylamine	U	330	1.0	330	330	72
103-33-3	Azobenzene	U	330	1.0	330	330	160
101-55-3	4-Bromophenyl-phenylether	U	330	1.0	330	330	56
118-74-1	Hexachlorobenzene	U	330	1.0	330	330	230
87-86-5	Pentachlorophenol	U	820	1.0	820	820	140
85-01-8	Phenanthrene	U	330	1.0	330	330	58
120-12-7	Anthracene	U	330	1.0	330	330	58
86-74-8	Carbazole	U	330	1.0	330	330	60
84-74-2	Di-n-butylphthalate	U	330	1.0	330	330	84
206-44-0	Fluoranthene	U	330	1.0	330	330	71
92-87-5	Benzidine	U	820	1.0	820	820	410
129-00-0	Pyrene	U	330	1.0	330	330	72
85-68-7	Butylbenzylphthalate	U	330	1.0	330	330	68
56-55-3	Benzo(a)anthracene	U	330	1.0	330	330	59
91-94-1	3,3'-Dichlorobenzidine	U	330	1.0	330	330	130
218-01-9	Chrysene	U	330	1.0	330	330	66
117-81-7	bis(2-Ethylhexyl)phthalate	U	330	1.0	330	330	74
117-84-0	Di-n-octylphthalate	U	330	1.0	330	330	74
205-99-2	Benzo(b)fluoranthene	U	330	1.0	330	330	64
207-08-9	Benzo(k)fluoranthene	U	330	1.0	330	330	59
50-32-8	Benzo(a)pyrene	U	330	1.0	330	330	45
193-39-5	Indeno(1,2,3-cd)pyrene	U	330	1.0	330	330	130
53-70-3	Dibenzo(a,h)anthracene	U	330	1.0	330	330	140
191-24-2	Benzo(g,h,i)perylene	U	330	1.0	330	330	130
367-12-4	2-Fluorophenol		69%				
13127-88-3	Phenol-D6		93%				
4165-60-0	Nitrobenzene-D5		60%				
321-60-8	2-Fluorobiphenyl		64%				
118-79-6	2,4,6-Tribromophenol		84%				
1718-51-0	Terphenyl-D14		75%				

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

WG22096-Blank

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Matrix: (soil/water) SOIL Lab Sample ID: WG22096-1RA

Sample wt/vol: 0.030(Kg/mL) KG Lab File ID: K0469

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/27/05

Concentrated Extract Volume: 0.001(L) Date Analyzed: 10/30/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 3

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	5.58	1000	J
2.		UNKNOWN	22.63	700	J
3.		UNKNOWN	24.97	1000	J
4.					
5.					
6.					
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FORM I SV-TIC

KATAHDIN ANALYTICAL SERVICES
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/27/05
Analysis Date: 10/31/05
Report Date: 11/01/2005
Matrix: SOIL

Lab ID: WG22096-3 & WG22096-4
Client ID: SD-25-SSMS & SD-25-SSMSD
SDG: MID-6
Extracted by: KF
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG22096
Units: ug/Kg

COMPOUND	MS SPIKE	MSD SPIKE	SAMPLE CONC.	MS CONC.	MSD CONC.		MS %REC.		MSD %REC.		%RPD	%RPD LIMIT	QC. LIMITS
N-Nitrosodimethylamine	3924	3924	0.00	1870	2850		48		73		42	50	47- 97
Pyridine	3924	3924	0.00	1380	2020		35		51		38	50	17-158
Aniline	3924	3924	0.00	1340	1460	*	34	*	37		8	50	52- 97
2,2'-Oxybis(1-Chloropropane)	3924	3924	0.00	2550	3700		65		94		37	50	49-122
Phenol	7848	7848	0.00	5770	7180		74		91		22	50	48-116
Bis(2-Chloroethyl)ether	3924	3924	0.00	1940	2810	*	49		72		37	50	54-114
2-Chlorophenol	7848	7848	0.00	5520	7150		70		91		26	50	60-118
1,3-Dichlorobenzene	3924	3924	0.00	1830	2700		47		69		38	50	45-110
1,4-Dichlorobenzene	3924	3924	96	1900	2860		46		70		40	50	44-111
Benzyl alcohol	3924	3924	0.00	2950	3140		75		80		6	50	74-125
2-Methylphenol	7848	7848	0.00	4850	5850		62		74		19	50	53-121
1,2-Dichlorobenzene	3924	3924	0.00	2050	3050		52		78		39	50	38-113
N-Nitroso-di-n-propylamine	3924	3924	0.00	2010	2690		51		68		29	50	36-115
3&4-Methylphenol	7848	7848	0.00	5550	6710		71		86		19	50	59-127
Hexachloroethane	3924	3924	0.00	430	632	*	11	*	16		38	50	40- 99
Nitrobenzene	3924	3924	0.00	2400	3300		61		84		32	50	49-113
Isophorone	3924	3924	0.00	2360	3120		60		80		28	50	46-112
2-Nitrophenol	7848	7848	0.00	5180	6590		66		84		24	50	57-120
2,4-Dimethylphenol	7848	7848	0.00	5060	6450		64		82		24	50	54-113
Bis(2-Chloroethoxy)methane	3924	3924	0.00	2650	3560		68		91		29	50	50-117
Benzoic acid	3924	3924	0.00	4180	3520		106		90		17	50	0-150
2,4-Dichlorophenol	7848	7848	0.00	5410	6990		69		89		25	50	59-116
1,2,4-Trichlorobenzene	3924	3924	0.00	2500	3660		64		93		38	50	53-115
Naphthalene	3924	3924	0.00	2210	3150		56		80		35	50	49-125
4-Chloroaniline	3924	3924	0.00	1520	1640		39		42		8	50	20-120
Hexachlorobutadiene	3924	3924	0.00	2670	3730		68		95		33	50	53-114
4-Chloro-3-Methylphenol	7848	7848	0.00	5190	6730		66		86		26	50	62-126
2-Methylnaphthalene	3924	3924	0.00	3210	4160		82		106		26	50	61-122
Hexachlorocyclopentadiene	3900	3900	0.00	0.0	0.0	*	0	*	0			50	28- 73
2,4,6-Trichlorophenol	7848	7848	0.00	5870	7300		75		93		22	50	62-120
2,4,5-Trichlorophenol	7848	7848	0.00	5130	6430		65		82		22	50	62-124
2-Chloronaphthalene	3924	3924	0.00	2250	2780		57		71		21	50	42-160
2-Nitroaniline	3924	3924	0.00	2700	3460		69		88		25	50	66-121
Dimethyl Phthalate	3924	3924	0.00	2610	3300		66		84		23	50	56-133
2,6-Dinitrotoluene	3924	3924	0.00	2470	3480	*	63		89		34	50	66-127
Acenaphthylene	3924	3924	0.00	2190	3040		56		77		32	50	47-117
3-Nitroaniline	3924	3924	0.00	1230	1350	*	31	*	34		9	50	57-120
Acenaphthene	3924	3924	159	2120	3010	*	50		73		35	50	54-122
2,4-Dinitrophenol	7848	7848	0.00	3220	4580		41		58		35	50	3-118
Dibenzofuran	3924	3924	0.00	2440	3230	*	62		82		28	50	66-119
4-Nitrophenol	7848	7848	0.00	5230	7400		67		94		34	50	41-149
2,4-Dinitrotoluene	3924	3924	0.00	2460	3200		63		82		26	50	60-125
Diethylphthalate	3924	3924	0.00	2070	2840	*	53		72		31	50	57-135
Fluorene	3924	3924	0.00	2140	3140		54		80		38	50	54-128
4-Chlorophenyl-phenylether	3924	3924	0.00	2230	3100		57		79		33	50	53-133

FORM III SV-2
K0477.D & K0478.D

Sample Data Summary A0000252

KATAHDIN ANALYTICAL SERVICES
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/27/05
Analysis Date: 10/31/05
Report Date: 11/01/2005
Matrix: SOIL

Lab ID: WG22096-3 & WG22096-4
Client ID: SD-25-SSMS & SD-25-SSMSD
SDG: MID-6
Extracted by: KF
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG22096
Units: ug/Kg

COMPOUND	MS SPIKE	MSD SPIKE	SAMPLE CONC.	MS CONC.	MSD CONC.		MS %REC.		MSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
4-Nitroaniline	3924	3924	0.00	1250	1300	*	32	*	33	4	50	62-125
4,6-Dinitro-2-Methylphenol	7848	7848	0.00	4740	6250		60		80	27	50	46-125
N-Nitrosodiphenylamine	7848	7848	0.00	1830	2400	*	23	*	30	27	50	70-131
4-Bromophenyl-phenylether	3924	3924	0.00	2940	3770		75		96	25	50	67-138
Hexachlorobenzene	3924	3924	0.00	3130	4120		80		105	27	50	63-131
Pentachlorophenol	7848	7848	0.00	5270	6440		67		82	20	50	54-131
Phenanthrene	3924	3924	238	2620	3970	*	61		95	41	50	69-133
Anthracene	3924	3924	152	2490	3510	*	60		86	34	50	70-131
Carbazole	3924	3924	0.00	1990	2300	*	51	*	59	14	50	78-133
Di-n-butylphthalate	3924	3924	0.00	1480	2000	*	38	*	51	30	50	65-139
Fluoranthene	3924	3924	504	2280	3160	*	45	*	68	32	50	69-133
Benzidine	3900	3900	0.00	0.0	0.0		0		0		50	0-150
Pyrene	3924	3924	865	3720	5380		73		115	36	50	58-141
Butylbenzylphthalate	3924	3924	0.00	2580	3440		66		88	28	50	44-155
Benzo(a)anthracene	3924	3924	333	2510	3560		55		82	34	50	54-135
3,3'-Dichlorobenzidine	3924	3924	0.00	956	935	*	24	*	24	2	50	38-137
Chrysene	3924	3924	492	2860	4060		60		91	35	50	55-129
bis(2-Ethylhexyl)phthalate	3924	3924	299	2790	3620		63		85	26	50	45-154
Di-n-octylphthalate	3924	3924	0.00	2500	3600		64		92	36	50	53-143
Benzo(b)fluoranthene	3924	3924	573	2800	4050		57		89	36	50	47-136
Benzo(k)fluoranthene	3924	3924	0.00	2660	3910		68		100	38	50	49-150
Benzo(a)pyrene	3924	3924	373	2410	3540		52		81	38	50	52-135
Indeno(1,2,3-cd)pyrene	3924	3924	323	2300	2810		50		63	20	50	43-142
Dibenzo(a,h)anthracene	3924	3924	0.00	2150	2480		55		63	14	50	42-155
Benzo(g,h,i)perylene	3924	3924	0.00	2200	2640		56		67	18	50	40-147

FORM III SV-2
K0477.D & K0478.D

KATAHDIN ANALYTICAL SERVICES
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/27/05
Analysis Date: 10/31/05
Report Date: 11/01/2005
Matrix: SOIL

Lab ID: WG22096-5 & WG22096-6
Client ID: SD-27-SSMS & SD-27-SSMSD
SDG: MID-6
Extracted by: KF
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG22096
Units: ug/Kg

COMPOUND	MS SPIKE	MSD SPIKE	SAMPLE CONC.	MS CONC.	MSD CONC.		MS %REC.		MSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
N-Nitrosodimethylamine	4726	4726	0.00	2450	3020		52		64	21	50	47- 97
Pyridine	4726	4726	0.00	1640	2060		35		44	23	50	17-158
Aniline	4726	4726	0.00	1380	1550	*	29	*	33	12	50	52- 97
2,2'-Oxybis(1-Chloropropane)	4726	4726	0.00	2570	3060		54		65	17	50	49-122
Phenol	9452	9452	0.00	6720	7220		71		76	7	50	48-116
Bis(2-Chloroethyl)ether	4726	4726	0.00	2170	2560	*	46		54	16	50	54-114
2-Chlorophenol	9452	9452	0.00	6190	7100		65		75	14	50	60-118
1,3-Dichlorobenzene	4726	4726	421	2570	3170		45		58	21	50	45-110
1,4-Dichlorobenzene	4726	4726	853	3120	3880		48		64	22	50	44-111
Benzyl alcohol	4726	4726	0.00	2890	3310	*	61	*	70	14	50	74-125
2-Methylphenol	9452	9452	0.00	5720	6010		60		64	5	50	53-121
1,2-Dichlorobenzene	4726	4726	0.00	2310	2710		49		57	16	50	38-113
N-Nitroso-di-n-propylamine	4726	4726	0.00	2100	2450		44		52	15	50	36-115
3&4-Methylphenol	9452	9452	0.00	6740	6910		71		73	2	50	59-127
Hexachloroethane	4726	4726	0.00	336	458	*	7	*	10	31	50	40- 99
Nitrobenzene	4726	4726	0.00	2690	2940		57		62	9	50	49-113
Isophorone	4726	4726	0.00	2630	2870		56		61	9	50	46-112
2-Nitrophenol	9452	9452	0.00	5900	6460		62		68	9	50	57-120
2,4-Dimethylphenol	9452	9452	0.00	6620	6820		70		72	3	50	54-113
Bis(2-Chloroethoxy)methane	4726	4726	0.00	2820	3220		60		68	13	50	50-117
Benzoic acid	4726	4726	0.00	4280	5250		90		111	20	50	0-150
2,4-Dichlorophenol	9452	9452	0.00	6880	7200		73		76	4	50	59-116
1,2,4-Trichlorobenzene	4726	4726	0.00	2950	3300		62		70	11	50	53-115
Naphthalene	4726	4726	0.00	2600	2930		55		62	12	50	49-125
4-Chloroaniline	4726	4726	0.00	1680	1830		36		39	8	50	20-120
Hexachlorobutadiene	4726	4726	0.00	2800	3110		59		66	10	50	53-114
4-Chloro-3-Methylphenol	9452	9452	0.00	6870	7310		73		77	6	50	62-126
2-Methylnaphthalene	4726	4726	0.00	3840	4280		81		90	11	50	61-122
Hexachlorocyclopentadiene	4700	4700	0.00	0.0	0.0	*	0	*	0		50	28- 73
2,4,6-Trichlorophenol	9452	9452	0.00	7380	7380		78		78	0.0	50	62-120
2,4,5-Trichlorophenol	9452	9452	0.00	6240	6290		66		66	0.8	50	62-124
2-Chloronaphthalene	4726	4726	0.00	2680	2640		57		56	2	50	42-160
2-Nitroaniline	4726	4726	0.00	3400	3550		72		75	4	50	66-121
Dimethyl Phthalate	4726	4726	0.00	3160	3180		67		67	0.6	50	56-133
2,6-Dinitrotoluene	4726	4726	0.00	3220	3280		68		69	2	50	66-127
Acenaphthylene	4726	4726	0.00	2620	2630		55		56	0.4	50	47-117
3-Nitroaniline	4726	4726	0.00	1500	1580	*	32	*	33	5	50	57-120
Acenaphthene	4726	4726	247	2600	2630	*	50	*	50	1	50	54-122
2,4-Dinitrophenol	9452	9452	0.00	4130	4840		44		51	16	50	3-118
Dibenzofuran	4726	4726	0.00	2870	2940	*	61	*	62	2	50	66-119
4-Nitrophenol	9452	9452	0.00	6030	9970		64		105	49	50	41-149
2,4-Dinitrotoluene	4726	4726	0.00	2910	3120		62		66	7	50	60-125
Diethylphthalate	4726	4726	0.00	2430	2630	*	51	*	56	8	50	57-135
Fluorene	4726	4726	176	2650	2780	*	52		55	5	50	54-128
4-Chlorophenyl-phenylether	4726	4726	0.00	2650	2740		56		58	3	50	53-133

Sample Data Summary A0000254

KATAHDIN ANALYTICAL SERVICES
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/27/05
Analysis Date: 10/31/05
Report Date: 11/01/2005
Matrix: SOIL

Lab ID: WG22096-5 & WG22096-6
Client ID: SD-27-SSMS & SD-27-SSMSD
SDG: MID-6
Extracted by: KF
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG22096
Units: ug/Kg

COMPOUND	MS SPIKE	MSD SPIKE	SAMPLE CONC.	MS CONC.	MSD CONC.		MS %REC.		MSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
4-Nitroaniline	4726	4726	0.00	1480	1710	*	31	*	36	14	50	62-125
4,6-Dinitro-2-Methylphenol	9452	9452	0.00	5630	6590		60		70	16	50	46-125
N-Nitrosodiphenylamine	9452	9452	0.00	2130	2190	*	22	*	23	3	50	70-131
4-Bromophenyl-phenylether	4726	4726	0.00	3340	3470		71		73	4	50	67-138
Hexachlorobenzene	4726	4726	0.00	3350	3510		71		74	5	50	63-131
Pentachlorophenol	9452	9452	0.00	5610	5850		59		62	4	50	54-131
Phenanthrene	4726	4726	849	3620	3990	*	59	*	66	10	50	69-133
Anthracene	4726	4726	296	2860	3080	*	54	*	59	7	50	70-131
Carbazole	4726	4726	175	2130	2390	*	41	*	47	12	50	78-133
Di-n-butylphthalate	4726	4726	0.00	1720	1850	*	36	*	39	7	50	65-139
Fluoranthene	4726	4726	1480	3120	4050	*	35	*	54	26	50	69-133
Benzidine	4700	4700	0.00	0.0	0.0		0		0		50	0-150
Pyrene	4726	4726	2490	5680	6200		67		78	9	50	58-141
Butylbenzylphthalate	4726	4726	0.00	2970	3070		63		65	3	50	44-155
Benzo(a)anthracene	4726	4726	981	3280	3700	*	49		58	12	50	54-135
3,3'-Dichlorobenzidine	4726	4726	0.00	1220	1210	*	26	*	26	0.8	50	38-137
Chrysene	4726	4726	1380	3930	4500	*	54		66	14	50	55-129
bis(2-Ethylhexyl)phthalate	4726	4726	628	3320	3610		57		63	8	50	45-154
Di-n-octylphthalate	4726	4726	0.00	3060	2900		65		61	5	50	53-143
Benzo(b)fluoranthene	4726	4726	1420	3950	4260		54		60	8	50	47-136
Benzo(k)fluoranthene	4726	4726	245	3900	4080		77		81	4	50	49-150
Benzo(a)pyrene	4726	4726	994	3330	3580	*	49		55	7	50	52-135
Indeno(1,2,3-cd)pyrene	4726	4726	738	2670	3020	*	41		48	12	50	43-142
Dibenzo(a,h)anthracene	4726	4726	0.00	2660	2560		56		54	4	50	42-155
Benzo(g,h,i)perylene	4726	4726	734	2680	3020		41		48	12	50	40-147

FORM III SV-2
K0479.D & K0480.D

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Lab File ID (Standard): K0468 Date Analyzed: 10/30/05

Instrument ID: GCMS-K Time Analyzed: 2024

		IS1 (DCB)		IS2 (NPT)		IS3 (ANT)	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		435946	8.88	1459011	11.72	861485	15.85
UPPER LIMIT		871892	9.38	2918022	12.22	1722970	16.35
LOWER LIMIT		217973	8.38	729506	11.22	430743	15.35
	CLIENT SAMPLE ID	LAB SAMPLE ID					
01	WG22096-BLANK	WG22096-1RA	469983	8.89	1668452	11.71	952830	15.84
02	SD-25-SS	WV5605-2	504292	8.89	1650821	11.72	831833	15.84
03	SD-27-SS	WV5605-4	466265	8.89	1552789	11.72	737515	15.85
04	SD-25-SSMS	WG22096-3	456678	8.89	1442418	11.73	764367	15.86
05	SD-25-SSMSD	WG22096-4	403650	8.89	1254852	11.73	697607	15.86
06	SD-27-SSMS	WG22096-5	400869	8.89	1255396	11.72	699772	15.85
07	SD-27-SSMSD	WG22096-6	427273	8.89	1334564	11.72	783228	15.85
08								
09								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

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

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

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

FORM VIII SV-1

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Lab File ID (Standard): K0468 Date Analyzed: 10/30/05

Instrument ID: GCMS-K Time Analyzed: 2024

		IS4 (PHN)		IS5 (CRY)		IS6 (PRY)	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		1293850	19.38	961894	25.74	617394	28.93
UPPER LIMIT		2587700	19.88	1923788	26.24	1234788	29.43
LOWER LIMIT		646925	18.88	480947	25.24	308697	28.43
	CLIENT SAMPLE ID	LAB SAMPLE ID					
01	WG22096-BLANK	WG22096-1RA	1469076	19.38	998799	25.75	634155	28.94
02	SD-25-SS	WV5605-2	1106936	19.39	544848	25.76	293698*	28.96
03	SD-27-SS	WV5605-4	1054514	19.39	518383	25.76	305914*	28.95
04	SD-25-SSMS	WG22096-3	1062859	19.39	509669	25.76	280770*	28.96
05	SD-25-SSMSD	WG22096-4	1011614	19.39	439366*	25.76	204559*	28.97
06	SD-27-SSMS	WG22096-5	1004700	19.40	402021*	25.77	191077*	28.96
07	SD-27-SSMSD	WG22096-6	1128338	19.40	520999	25.77	273720*	28.97
08								
09								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

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

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

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

FORM VIII SV-2

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Lab File ID: XD562 DFTPP Injection Date: 10/22/05

Instrument ID: GCMS-X DFTPP Injection Time: 0931

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	44.9
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Less than 100.0% of mass 198	51.3
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	44.4
197	Less than 1.0% of mass 198	0.5
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	25.9
365	1.0 - 100.0% of mass 198	3.1
441	0.0 - 100.0% of mass 443	10.1 (89.8)2
442	40.0 - 100.0% of mass 198	61.7
443	17.0 - 23.0% of mass 442	11.2 (18.2)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		SSTD050X1022	X8900	10/22/05	1038
02		SSTD150X1022	X8901	10/22/05	1131
03		SSTD125X1022	X8902	10/22/05	1215
04		SSTD100X1022	X8903	10/22/05	1259
05		SSTD025X1022	X8904	10/22/05	1344
06		SSTD010X1022	X8905	10/22/05	1428
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project MIDDLE RIVER SDG No.: MID-6

Instrument ID: GCMS-X Calibration Date(s): 10/22/05 10/22/05

Column: DB5-MS ID: 0.25 (mm) Calibration Time(s): 1038 1428

LAB FILE ID: RF10: X8905 RF25: X8904 RF50: X8900
RF100: X8903 RF125: X8902 RF150: X8901

								COEFFICENTS		%RSD	MAX %RSD
COMPOUND	RF10	RF25	RF50	RF100	RF125	RF150	CURVE	A0	A1	OR R^2	OR R^2
1,4-Dioxane	0.408	0.425	0.358	0.368	0.386	0.342	AVRG		0.38100263	8.215	15.000
N-Nitrosodimethylamine	0.720	0.844	0.628	0.728	0.681	0.661	AVRG		0.71013330	10.620	15.000
Pyridine	1.068	1.222	1.039	1.131	1.117	0.909	AVRG		1.08094784	9.707	15.000
Aniline	1.339	1.304	1.074	1.179	1.100	1.120	AVRG		1.18624220	9.363	15.000
2,2'-Oxybis(1-Chloropropa	2.275	2.522	1.872	2.048	1.948	1.841	AVRG		2.08430488	12.728	15.000
Phenol	1.270	1.233	1.047	1.052	0.989	1.012	AVRG		1.10058411	10.884	15.000
Bis(2-Chloroethyl)ether	1.025	1.033	0.846	0.846	0.778	0.696	AVRG		0.87076440	15.447	15.000 <-
2-Chlorophenol	1.140	1.093	0.924	0.956	0.876	0.851	AVRG		0.97344076	12.104	15.000
1,3-Dichlorobenzene	1.454	1.411	1.170	1.224	1.133	1.021	AVRG		1.23546355	13.520	15.000
1,4-Dichlorobenzene	1.420	1.424	1.196	1.222	1.148	1.007	AVRG		1.23601999	13.115	15.000
Benzyl alcohol	0.279	0.264	0.234	0.326	0.340	0.347	AVRG		0.29835465	15.338	15.000 <-
2-Methylphenol	0.760	0.844	0.722	0.733	0.708	0.769	AVRG		0.75579887	6.446	15.000
1,2-Dichlorobenzene	1.383	1.295	1.077	1.047	1.054	0.934	AVRG		1.13143207	15.061	15.000 <-
N-Nitroso-di-n-propylamin	0.772	0.840	0.645	0.703	0.638	0.617	AVRG		0.70233167	12.468	15.000
3&4-Methylphenol	0.822	0.825	0.711	0.727	0.691	0.711	AVRG		0.74795965	7.958	15.000
Hexachloroethane	0.499	0.494	0.428	0.413	0.396	0.337	AVRG		0.42774524	14.351	15.000
Nitrobenzene	0.331	0.314	0.258	0.302	0.283	0.269	AVRG		0.29283512	9.529	15.000
Isophorone	0.538	0.560	0.438	0.530	0.425	0.459	AVRG		0.49176709	11.710	15.000
2-Nitrophenol	0.186	0.184	0.166	0.180	0.175	0.170	AVRG		0.17689058	4.515	15.000
2,4-Dimethylphenol	0.274	0.286	0.249	0.261	0.241	0.250	AVRG		0.26034672	6.628	15.000
Bis(2-Chloroethoxy)methan	0.370	0.360	0.291	0.340	0.312	0.298	AVRG		0.32854003	10.067	15.000
Benzoic acid	0.086	0.116	0.097	0.141	0.109	0.116	AVRG		0.11079436	17.049	15.000 <-
2,4-Dichlorophenol	0.284	0.261	0.248	0.252	0.236	0.240	AVRG		0.25341623	6.846	15.000
1,2,4-Trichlorobenzene	0.374	0.308	0.299	0.306	0.295	0.264	AVRG		0.30781120	11.711	15.000
Naphthalene	0.898	0.812	0.731	0.779	0.718	0.682	AVRG		0.77012895	10.067	15.000
4-Chloroaniline	171130	315130	612580	1000300	1201500	1920000	LINR	-9.96e-002	4.12925067	0.99177	0.99000
Hexachlorobutadiene	0.260	0.202	0.198	0.208	0.188	0.166	AVRG		0.20371284	15.438	15.000 <-
4-Chloro-3-Methylphenol	0.219	0.221	0.200	0.225	0.189	0.205	AVRG		0.20998884	6.796	15.000
2-Methylnaphthalene	0.603	0.519	0.477	0.509	0.457	0.446	AVRG		0.50196379	11.360	15.000
1-Methylnaphthalene	0.543	0.497	0.449	0.487	0.429	0.417	AVRG		0.47041709	10.106	15.000
Hexachlorocyclopentadiene	0.214	0.204	0.252	0.250	0.278	0.195	AVRG		0.23235187	14.015	15.000
2,4,6-Trichlorophenol	0.409	0.360	0.349	0.373	0.354	0.320	AVRG		0.36094737	8.108	15.000
2,4,5-Trichlorophenol	0.424	0.389	0.387	0.417	0.423	0.385	AVRG		0.40422785	4.693	15.000
2-Chloronaphthalene	0.467	0.406	0.390	0.372	0.406	0.258	AVRG		0.38320250	18.094	15.000 <-
2-Nitroaniline	0.332	0.353	0.295	0.368	0.278	0.283	AVRG		0.31809628	11.978	15.000
Dimethyl Phthalate	1.134	1.145	0.947	1.053	0.966	0.988	AVRG		1.03870161	8.243	15.000
2,6-Dinitrotoluene	0.239	0.262	0.232	0.258	0.226	0.216	AVRG		0.23911476	7.638	15.000
Acenaphthylene	1.664	1.605	1.421	1.445	1.399	1.212	AVRG		1.45782298	11.051	15.000
3-Nitroaniline	0.210	0.216	0.189	0.230	0.200	0.238	AVRG		0.21388141	8.509	15.000
Acenaphthene	1.116	0.988	0.922	0.946	0.881	0.834	AVRG		0.94806776	10.335	15.000
2,4-Dinitrophenol	0.067	0.129	0.105	0.150	0.128	0.177	AVRG		0.12592384	29.895	15.000 <-
Dibenzofuran	1.430	1.350	1.276	1.279	1.187	1.173	AVRG		1.28233529	7.602	15.000
4-Nitrophenol	0.047	0.068	0.064	0.090	0.077	0.092	AVRG		7.304e-002	23.187	15.000 <-
2,4-Dinitrotoluene	0.293	0.318	0.276	0.326	0.289	0.326	AVRG		0.30469788	7.043	15.000

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project MIDDLE RIVER SDG No.: MID-6

Instrument ID: GCMS-X Calibration Date(s): 10/22/05 10/22/05

Column: DB5-MS ID: 0.25 (mm) Calibration Time(s): 1038 1428

LAB FILE ID: RF10: X8905 RF25: X8904 RF50: X8900
RF100: X8903 RF125: X8902 RF150: X8901

								COEFFICENTS		%RSD	MAX %RSD
COMPOUND	RF10	RF25	RF50	RF100	RF125	RF150	CURVE	A0	A1	OR R^2	OR R^2
Diethylphthalate	0.976	1.070	0.842	1.034	0.852	0.974	AVRG		0.95830450	9.738	15.000
Fluorene	1.118	1.108	0.970	1.011	0.890	0.897	AVRG		0.99899627	9.942	15.000
4-Chlorophenyl-phenylethe	0.659	0.626	0.553	0.564	0.519	0.518	AVRG		0.57321423	10.035	15.000
4-Nitroaniline	0.185	0.196	0.160	0.195	0.169	0.209	AVRG		0.18583579	9.901	15.000
4,6-Dinitro-2-Methylpheno	0.096	0.114	0.120	0.142	0.128	0.131	AVRG		0.12192484	13.036	15.000
N-Nitrosodiphenylamine	0.577	0.568	0.552	0.523	0.516	0.417	AVRG		0.52542710	11.132	15.000
Azobenzene	0.590	0.630	0.605	0.594	0.577	0.482	AVRG		0.57957792	8.785	15.000
4-Bromophenyl-phenylether	0.272	0.240	0.247	0.227	0.229	0.196	AVRG		0.23511219	10.704	15.000
Hexachlorobenzene	0.340	0.285	0.301	0.265	0.281	0.226	AVRG		0.28282390	13.376	15.000
Pentachlorophenol	0.096	0.116	0.119	0.117	0.118	0.118	AVRG		0.11408854	8.032	15.000
Phenanthrene	0.956	0.904	0.838	0.863	0.821	0.733	AVRG		0.85262200	8.936	15.000
Anthracene	0.964	0.908	0.813	0.820	0.771	0.634	AVRG		0.81843537	14.000	15.000
Carbazole	0.752	0.635	0.562	0.650	0.599	0.549	AVRG		0.62436155	11.796	15.000
Di-n-butylphthalate	0.904	0.916	0.729	0.954	0.810	0.848	AVRG		0.86024522	9.565	15.000
Fluoranthene	0.841	0.709	0.617	0.754	0.677	0.671	AVRG		0.71149046	10.976	15.000
Benzidine	0.244	0.209	0.221	0.191	0.192	0.178	AVRG		0.20585153	11.609	15.000
Pyrene	1.586	1.600	1.333	1.506	1.554	1.529	AVRG		1.51821785	6.390	15.000
Butylbenzylphthalate	0.518	0.527	0.460	0.560	0.530	0.505	AVRG		0.51685527	6.433	15.000
Benzo(a)anthracene	0.987	0.988	0.920	0.984	0.969	0.941	AVRG		0.96513429	2.919	15.000
3,3'-Dichlorobenzidine	0.270	0.289	0.312	0.322	0.342	0.274	AVRG		0.30162103	9.498	15.000
Chrysene	1.018	0.940	0.892	0.945	0.918	0.871	AVRG		0.93063652	5.490	15.000
bis(2-Ethylhexyl)phthalat	0.687	0.750	0.590	0.772	0.705	0.685	AVRG		0.69807180	9.095	15.000
Di-n-octylphthalate	1.414	1.745	1.342	1.811	1.530	1.737	AVRG		1.59663197	12.214	15.000
Benzo(b)fluoranthene	1.435	1.304	1.226	1.390	1.232	1.252	AVRG		1.30669623	6.712	15.000
Benzo(k)fluoranthene	1.506	1.414	1.189	1.394	1.315	1.227	AVRG		1.34086456	8.970	15.000
Benzo(a)pyrene	1.195	1.127	1.030	1.146	1.137	1.039	AVRG		1.11247451	5.796	15.000
Indeno(1,2,3-cd)pyrene	0.911	0.804	0.886	0.873	0.958	0.755	AVRG		0.86448704	8.553	15.000
Dibenzo(a,h)anthracene	0.842	0.810	0.874	0.916	0.953	0.779	AVRG		0.86240634	7.582	15.000
Benzo(g,h,i)perylene	0.957	0.797	0.938	0.898	1.047	0.768	AVRG		0.90102772	11.598	15.000
2-Fluorophenol	0.876	0.968	0.733	0.795	0.759	0.737	AVRG		0.81138787	11.484	15.000
Phenol-D6	1.047	1.064	0.854	0.883	0.812	0.814	AVRG		0.91211090	12.509	15.000
Nitrobenzene-D5	0.313	0.322	0.269	0.297	0.282	0.278	AVRG		0.29340548	7.151	15.000
2-Fluorobiphenyl	1.412	1.235	1.153	1.231	1.177	0.967	AVRG		1.19574657	12.051	15.000
2,4,6-Tribromophenol	0.175	0.164	0.172	0.186	0.162	0.176	AVRG		0.17260113	5.033	15.000
Terphenyl-D14	1.110	1.115	0.916	1.093	1.068	1.084	AVRG		1.06448852	7.006	15.000

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project MIDDLE RIVER SDG No.: MID-6

Instrument ID: GCMS-X Calibration Date(s): 10/22/05 10/22/05

Column: DB5-MS ID: 0.25 (mm) Calibration Time(s): 1038 1428

Average %RSD test result.

Calculate Average %RSD: 12.87279606
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: MIDDLE RIVER SDG No.: MID-6

Lab File ID: XD568 DFTPP Injection Date: 10/28/05

Instrument ID: GCMS-X DFTPP Injection Time: 1307

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	54.6
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Less than 100.0% of mass 198	62.6
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	47.4
197	Less than 1.0% of mass 198	0.8
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	20.1
365	1.0 - 100.0% of mass 198	2.2
441	0.0 - 100.0% of mass 443	7.9 (90.2)2
442	40.0 - 100.0% of mass 198	46.8
443	17.0 - 23.0% of mass 442	8.7 (18.6)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		SSTD050X1028	X8989	10/28/05	1326
02	WG22096-BLANK	WG22096-1	X8995	10/28/05	1756
03	WG22096-LCS	WG22096-2	X8996	10/28/05	1840
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Instrument ID: GCMS-X Calibration Date: 10/28/05 Time: 1326

Lab File ID: X8989 Init. Calib. Date(s): 10/22/05 10/22/05

Init. Calib. Times: 1038 1428

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	0.3810000	0.3553000	0.3553000	0.01	-6.74	100.00	AVRG
N-Nitrosodimethylamine	0.7100000	0.6641000	0.6641000	0.01	-6.46	100.00	AVRG
Pyridine	1.0810000	1.0206000	1.0206000	0.01	-5.59	100.00	AVRG
Aniline	1.1860000	1.3231000	1.3231000	0.01	11.56	100.00	AVRG
2,2'-Oxybis(1-Chloropropane)	2.0840000	2.2032000	2.2032000	0.01	5.72	100.00	AVRG
Phenol	1.1000000	1.2684000	1.2684000	0.01	15.31	20.00	AVRG
Bis(2-Chloroethyl)ether	0.8710000	1.0074000	1.0074000	0.01	15.66	100.00	AVRG
2-Chlorophenol	0.9730000	1.0250000	1.0250000	0.01	5.34	100.00	AVRG
1,3-Dichlorobenzene	1.2360000	1.2728000	1.2728000	0.01	2.98	100.00	AVRG
1,4-Dichlorobenzene	1.2360000	1.2725000	1.2725000	0.01	2.95	20.00	AVRG
Benzyl alcohol	0.2980000	0.4942800	0.4942800	0.01	65.87	100.00	AVRG
2-Methylphenol	0.7560000	0.8404000	0.8404000	0.01	11.16	100.00	AVRG
1,2-Dichlorobenzene	1.1320000	1.1522000	1.1522000	0.01	1.78	100.00	AVRG
N-Nitroso-di-n-propylamine	0.7020000	0.7792700	0.7792700	0.05	11.01	100.00	AVRG
3&4-Methylphenol	0.7480000	0.8677100	0.8677100	0.01	16.00	100.00	AVRG
Hexachloroethane	0.4280000	0.5065500	0.5065500	0.01	18.35	100.00	AVRG
Nitrobenzene	0.2930000	0.2814300	0.2814300	0.01	-3.95	100.00	AVRG
Isophorone	0.4920000	0.5296400	0.5296400	0.01	7.65	100.00	AVRG
2-Nitrophenol	0.1770000	0.1728400	0.1728400	0.01	-2.35	20.00	AVRG
2,4-Dimethylphenol	0.2600000	0.2732600	0.2732600	0.01	5.10	100.00	AVRG
Bis(2-Chloroethoxy)methane	0.3280000	0.3335800	0.3335800	0.01	1.70	100.00	AVRG
Benzoic acid	0.1110000	8.25e-002	8.25e-002	0.01	-25.68	100.00	AVRG
2,4-Dichlorophenol	0.2540000	0.2466200	0.2466200	0.01	-2.90	20.00	AVRG
1,2,4-Trichlorobenzene	0.3080000	0.3000600	0.3000600	0.01	-2.58	100.00	AVRG
Naphthalene	0.7700000	0.7754800	0.7754800	0.01	0.71	100.00	AVRG
4-Chloroaniline	58.528000	50.000000	0.3027800	0.01	17.06	100.00	LINR
Hexachlorobutadiene	0.2040000	0.1745000	0.1745000	0.01	-14.46	20.00	AVRG
4-Chloro-3-Methylphenol	0.2100000	0.2171400	0.2171400	0.01	3.40	20.00	AVRG
2-Methylnaphthalene	0.5020000	0.4975600	0.4975600	0.01	-0.88	100.00	AVRG

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Instrument ID: GCMS-X Calibration Date: 10/28/05 Time: 1326

Lab File ID: X8989 Init. Calib. Date(s): 10/22/05 10/22/05

Init. Calib. Times: 1038 1428

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	0.4700000	0.4913600	0.4913600	0.01	4.54	100.00	AVRG
Hexachlorocyclopentadiene	0.2320000	0.1801700	0.1801700	0.05	-22.34	100.00	AVRG
2,4,6-Trichlorophenol	0.3610000	0.3603900	0.3603900	0.01	-0.17	20.00	AVRG
2,4,5-Trichlorophenol	0.4040000	0.3706000	0.3706000	0.01	-8.27	100.00	AVRG
2-Chloronaphthalene	0.3830000	0.4110000	0.4110000	0.01	7.31	100.00	AVRG
2-Nitroaniline	0.3180000	0.3329100	0.3329100	0.01	4.69	100.00	AVRG
Dimethyl Phthalate	1.0390000	1.0421000	1.0421000	0.01	0.30	100.00	AVRG
2,6-Dinitrotoluene	0.2390000	0.2511400	0.2511400	0.01	5.08	100.00	AVRG
Acenaphthylene	1.4580000	1.4696000	1.4696000	0.01	0.80	100.00	AVRG
3-Nitroaniline	0.2140000	0.2228400	0.2228400	0.01	4.13	100.00	AVRG
Acenaphthene	0.9480000	0.9608700	0.9608700	0.01	1.36	20.00	AVRG
2,4-Dinitrophenol	0.1260000	0.1193300	0.1193300	0.05	-5.29	100.00	AVRG
Dibenzofuran	1.2820000	1.3145000	1.3145000	0.01	2.54	100.00	AVRG
4-Nitrophenol	7.3e-002	8.81e-002	8.81e-002	0.05	20.68	100.00	AVRG
2,4-Dinitrotoluene	0.3050000	0.3109400	0.3109400	0.01	1.95	100.00	AVRG
Diethylphthalate	0.9580000	0.9981400	0.9981400	0.01	4.19	100.00	AVRG
Fluorene	0.9990000	1.0397000	1.0397000	0.01	4.07	100.00	AVRG
4-Chlorophenyl-phenylether	0.5730000	0.5768200	0.5768200	0.01	0.67	100.00	AVRG
4-Nitroaniline	0.1860000	0.1890200	0.1890200	0.01	1.62	100.00	AVRG
4,6-Dinitro-2-Methylphenol	0.1220000	0.1109800	0.1109800	0.01	-9.03	100.00	AVRG
N-Nitrosodiphenylamine	0.5260000	0.5240100	0.5240100	0.01	-0.38	20.00	AVRG
Azobenzene	0.5800000	0.6298600	0.6298600	0.01	8.60	100.00	AVRG
4-Bromophenyl-phenylether	0.2350000	0.2283100	0.2283100	0.01	-2.85	100.00	AVRG
Hexachlorobenzene	0.2830000	0.2721400	0.2721400	0.01	-3.84	100.00	AVRG
Pentachlorophenol	0.1140000	0.1113000	0.1113000	0.01	-2.37	20.00	AVRG
Phenanthrene	0.8520000	0.8535300	0.8535300	0.01	0.18	100.00	AVRG
Anthracene	0.8180000	0.8325100	0.8325100	0.01	1.77	100.00	AVRG
Carbazole	0.6240000	0.5999200	0.5999200	0.01	-3.86	100.00	AVRG
Di-n-butylphthalate	0.8600000	0.7986500	0.7986500	0.01	-7.13	100.00	AVRG

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Instrument ID: GCMS-X Calibration Date: 10/28/05 Time: 1326

Lab File ID: X8989 Init. Calib. Date(s): 10/22/05 10/22/05

Init. Calib. Times: 1038 1428

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
Fluoranthene	0.7120000	0.6931600	0.6931600	0.01	-2.65	20.00	AVRG
Benzidine	0.2060000	0.2768000	0.2768000	0.01	34.37	100.00	AVRG
Pyrene	1.5180000	1.7079000	1.7079000	0.01	12.51	100.00	AVRG
Butylbenzylphthalate	0.5170000	0.5272400	0.5272400	0.01	1.98	100.00	AVRG
Benzo(a)anthracene	0.9650000	0.9954200	0.9954200	0.01	3.15	100.00	AVRG
3,3'-Dichlorobenzidine	0.3020000	0.2598600	0.2598600	0.01	-13.95	100.00	AVRG
Chrysene	0.9310000	0.9508100	0.9508100	0.01	2.13	100.00	AVRG
bis(2-Ethylhexyl)phthalate	0.6980000	0.6728200	0.6728200	0.01	-3.61	100.00	AVRG
Di-n-octylphthalate	1.5960000	1.5160000	1.5160000	0.01	-5.01	20.00	AVRG
Benzo(b)fluoranthene	1.3060000	1.2630000	1.2630000	0.01	-3.29	100.00	AVRG
Benzo(k)fluoranthene	1.3410000	1.3732000	1.3732000	0.01	2.40	100.00	AVRG
Benzo(a)pyrene	1.1120000	1.0659000	1.0659000	0.01	-4.14	20.00	AVRG
Indeno(1,2,3-cd)pyrene	0.8640000	0.6633000	0.6633000	0.01	-23.23	100.00	AVRG
Dibenzo(a,h)anthracene	0.8620000	0.7130600	0.7130600	0.01	-17.28	100.00	AVRG
Benzo(g,h,i)perylene	0.9010000	0.7653800	0.7653800	0.01	-15.05	100.00	AVRG
2-Fluorophenol	0.8110000	0.8680200	0.8680200	0.01	7.03	100.00	AVRG
Phenol-D6	0.9120000	1.0266000	1.0266000	0.01	12.57	100.00	AVRG
Nitrobenzene-D5	0.2940000	0.3003300	0.3003300	0.01	2.15	100.00	AVRG
2-Fluorobiphenyl	1.1960000	1.1660000	1.1660000	0.01	-2.51	100.00	AVRG
2,4,6-Tribromophenol	0.1720000	0.1799000	0.1799000	0.01	4.59	100.00	AVRG
Terphenyl-D14	1.0640000	1.1267000	1.1267000	0.01	5.89	100.00	AVRG

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: MIDDLE RIVER
PO No:
Sample Date:
Received Date:
Extraction Date: 10/27/05
Analysis Date: 28-OCT-2005 17:56
Report Date: 11/02/2005
Matrix: SOIL
% Solids: 100

Lab ID: WG22096-1
Client ID: WG22096-Blank
SDG: MID-6
Extracted by: KF
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG22096
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
123-91-1	1,4-Dioxane	U	330	1.0	330	330	160
62-75-9	N-Nitrosodimethylamine	U	330	1.0	330	330	160
110-86-1	Pyridine	U	330	1.0	330	330	160
62-53-3	Aniline	U	330	1.0	330	330	160
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	330	1.0	330	330	31
108-95-2	Phenol	U	330	1.0	330	330	91
111-44-4	Bis(2-Chloroethyl)ether	U	330	1.0	330	330	33
95-57-8	2-Chlorophenol	U	330	1.0	330	330	90
541-73-1	1,3-Dichlorobenzene	U	330	1.0	330	330	53
106-46-7	1,4-Dichlorobenzene	U	330	1.0	330	330	25
100-51-6	Benzyl alcohol	U	330	1.0	330	330	31
95-48-7	2-Methylphenol	U	330	1.0	330	330	140
95-50-1	1,2-Dichlorobenzene	U	330	1.0	330	330	43
621-64-7	N-Nitroso-di-n-propylamine	U	330	1.0	330	330	56
106-44-5	3&4-Methylphenol	U	330	1.0	330	330	150
67-72-1	Hexachloroethane	U	330	1.0	330	330	61
98-95-3	Nitrobenzene	U	330	1.0	330	330	74
78-59-1	Isophorone	U	330	1.0	330	330	52
88-75-5	2-Nitrophenol	U	330	1.0	330	330	110
105-67-9	2,4-Dimethylphenol	U	330	1.0	330	330	120
111-91-1	Bis(2-Chloroethoxy)methane	U	330	1.0	330	330	52
65-85-0	Benzoic acid	U	820	1.0	820	820	410
120-83-2	2,4-Dichlorophenol	U	330	1.0	330	330	130
120-82-1	1,2,4-Trichlorobenzene	U	330	1.0	330	330	44
91-20-3	Naphthalene	U	330	1.0	330	330	64
106-47-8	4-Chloroaniline	U	330	1.0	330	330	53
87-68-3	Hexachlorobutadiene	U	330	1.0	330	330	44
59-50-7	4-Chloro-3-Methylphenol	U	330	1.0	330	330	120
91-57-6	2-Methylnaphthalene	U	330	1.0	330	330	57
90-12-0	1-Methylnaphthalene	U	330	1.0	330	330	160
77-47-4	Hexachlorocyclopentadiene	U	330	1.0	330	330	75
88-06-2	2,4,6-Trichlorophenol	U	330	1.0	330	330	120
95-95-4	2,4,5-Trichlorophenol	U	820	1.0	820	820	180
91-58-7	2-Chloronaphthalene	U	330	1.0	330	330	48
88-74-4	2-Nitroaniline	U	820	1.0	820	820	75
131-11-3	Dimethyl Phthalate	U	330	1.0	330	330	62
606-20-2	2,6-Dinitrotoluene	U	330	1.0	330	330	77
208-96-8	Acenaphthylene	U	330	1.0	330	330	40
99-09-2	3-Nitroaniline	U	820	1.0	820	820	71
83-32-9	Acenaphthene	U	330	1.0	330	330	60
51-28-5	2,4-Dinitrophenol	U	820	1.0	820	820	62
132-64-9	Dibenzofuran	U	330	1.0	330	330	62
100-02-7	4-Nitrophenol	U	820	1.0	820	820	160

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: MIDDLE RIVER
PO No:
Sample Date:
Received Date:
Extraction Date: 10/27/05
Analysis Date: 28-OCT-2005 17:56
Report Date: 11/02/2005
Matrix: SOIL
% Solids: 100

Lab ID: WG22096-1
Client ID: WG22096-Blank
SDG: MID-6
Extracted by: KF
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG22096
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
121-14-2	2,4-Dinitrotoluene	U	330	1.0	330	330	98
84-66-2	Diethylphthalate	U	330	1.0	330	330	100
86-73-7	Fluorene	U	330	1.0	330	330	53
7005-72-3	4-Chlorophenyl-phenylether	U	330	1.0	330	330	50
100-01-6	4-Nitroaniline	U	820	1.0	820	820	86
534-52-1	4,6-Dinitro-2-Methylphenol	U	820	1.0	820	820	210
86-30-6	N-Nitrosodiphenylamine	U	330	1.0	330	330	72
103-33-3	Azobenzene	U	330	1.0	330	330	160
101-55-3	4-Bromophenyl-phenylether	U	330	1.0	330	330	56
118-74-1	Hexachlorobenzene	U	330	1.0	330	330	230
87-86-5	Pentachlorophenol	U	820	1.0	820	820	140
85-01-8	Phenanthrene	U	330	1.0	330	330	58
120-12-7	Anthracene	U	330	1.0	330	330	58
86-74-8	Carbazole	U	330	1.0	330	330	60
84-74-2	Di-n-butylphthalate	U	330	1.0	330	330	84
206-44-0	Fluoranthene	U	330	1.0	330	330	71
92-87-5	Benzidine	U	820	1.0	820	820	410
129-00-0	Pyrene	U	330	1.0	330	330	72
85-68-7	Butylbenzylphthalate	U	330	1.0	330	330	68
56-55-3	Benzo(a)anthracene	U	330	1.0	330	330	59
91-94-1	3,3'-Dichlorobenzidine	U	330	1.0	330	330	130
218-01-9	Chrysene	U	330	1.0	330	330	66
117-81-7	bis(2-Ethylhexyl)phthalate	U	330	1.0	330	330	74
117-84-0	Di-n-octylphthalate	U	330	1.0	330	330	74
205-99-2	Benzo(b)fluoranthene	U	330	1.0	330	330	64
207-08-9	Benzo(k)fluoranthene	U	330	1.0	330	330	59
50-32-8	Benzo(a)pyrene	U	330	1.0	330	330	45
193-39-5	Indeno(1,2,3-cd)pyrene	U	330	1.0	330	330	130
53-70-3	Dibenzo(a,h)anthracene	U	330	1.0	330	330	140
191-24-2	Benzo(g,h,i)perylene	U	330	1.0	330	330	130
367-12-4	2-Fluorophenol		69%				
13127-88-3	Phenol-D6		79%				
4165-60-0	Nitrobenzene-D5		67%				
321-60-8	2-Fluorobiphenyl		64%				
118-79-6	2,4,6-Tribromophenol		62%				
1718-51-0	Terphenyl-D14		* 66%				

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

WG22096-Blank

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Matrix: (soil/water) SOIL Lab Sample ID: WG22096-1

Sample wt/vol: 0.030(Kg/mL) KG Lab File ID: X8995

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/27/05

Concentrated Extract Volume: 0.001(L) Date Analyzed: 10/28/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 3

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	2.41	300	J
2.		UNKNOWN	5.24	1000	J
3.		UNKNOWN	22.28	200	J
4.					
5.					
6.					
7.					
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30.					

FORM I SV-TIC

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: MIDDLE RIVER
PO No:
Sample Date:
Received Date:
Extraction Date: 10/27/05
Analysis Date: 10/28/05
Report Date: 11/02/2005
Matrix: SOIL

Lab ID: WG22096-2
Client ID: WG22096-LCS
SDG: MID-6
Extracted by: KF
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG22096
Units: ug/Kg

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.		%REC.	QC. LIMITS
N-Nitrosodimethylamine	1667	NA	1280		77	47- 97
Pyridine	1667	NA	218	*	13	17-158
Aniline	1667	NA	1500		90	52- 97
2,2'-Oxybis(1-Chloropropane)	1667	NA	1410		85	49-122
Phenol	3333	NA	2990		90	48-116
Bis(2-Chloroethyl)ether	1667	NA	1570		94	54-114
2-Chlorophenol	3333	NA	2740		82	60-118
1,3-Dichlorobenzene	1667	NA	1340		80	45-110
1,4-Dichlorobenzene	1667	NA	1320		79	44-111
Benzyl alcohol	1667	NA	2660	*	160	74-125
2-Methylphenol	3333	NA	2860		86	53-121
1,2-Dichlorobenzene	1667	NA	1420		85	38-113
N-Nitroso-di-n-propylamine	1667	NA	1430		86	36-115
3&4-Methylphenol	3333	NA	3020		91	59-127
Hexachloroethane	1667	NA	1430		86	40- 99
Nitrobenzene	1667	NA	1320		79	49-113
Isophorone	1667	NA	1440		86	46-112
2-Nitrophenol	3333	NA	2700		81	57-120
2,4-Dimethylphenol	3333	NA	2460		74	54-113
Bis(2-Chloroethoxy)methane	1667	NA	1370		82	50-117
Benzoic acid	1667	NA	1200		72	0-150
2,4-Dichlorophenol	3333	NA	2700		81	59-116
1,2,4-Trichlorobenzene	1667	NA	1360		82	53-115
Naphthalene	1667	NA	1340		80	49-125
4-Chloroaniline	1667	NA	1180		71	20-120
Hexachlorobutadiene	1667	NA	1250		75	53-114
4-Chloro-3-Methylphenol	3333	NA	2710		81	62-126
2-Methylnaphthalene	1667	NA	1360		82	61-122
Hexachlorocyclopentadiene	1667	NA	653		39	28- 73
2,4,6-Trichlorophenol	3333	NA	2750		82	62-120
2,4,5-Trichlorophenol	3333	NA	2460		74	62-124
2-Chloronaphthalene	1667	NA	1160		70	42-160
2-Nitroaniline	1667	NA	1270		76	66-121
Dimethyl Phthalate	1667	NA	1440		86	56-133
2,6-Dinitrotoluene	1667	NA	1330		80	66-127
Acenaphthylene	1667	NA	1400		84	47-117
3-Nitroaniline	1667	NA	996		60	57-120
Acenaphthene	1667	NA	1400		84	54-122
2,4-Dinitrophenol	3333	NA	2490		75	3-118
Dibenzofuran	1667	NA	1480		89	66-119
4-Nitrophenol	3333	NA	3200		96	41-149
2,4-Dinitrotoluene	1667	NA	1500		90	60-125
Diethylphthalate	1667	NA	1410		85	57-135
Fluorene	1667	NA	1410		85	54-128
4-Chlorophenyl-phenylether	1667	NA	1370		82	53-133

FORM III SV-2
X8996.D

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: MIDDLE RIVER
PO No:
Sample Date:
Received Date:
Extraction Date: 10/27/05
Analysis Date: 10/28/05
Report Date: 11/02/2005
Matrix: SOIL

Lab ID: WG22096-2
Client ID: WG22096-LCS
SDG: MID-6
Extracted by: KF
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG22096
Units: ug/Kg

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.		%REC.	QC. LIMITS
4-Nitroaniline	1667	NA	807	*	48	62-125
4,6-Dinitro-2-Methylphenol	3333	NA	2830		85	46-125
N-Nitrosodiphenylamine	3333	NA	1150	*	34	70-131
4-Bromophenyl-phenylether	1667	NA	1370		82	67-138
Hexachlorobenzene	1667	NA	1340		80	63-131
Pentachlorophenol	3333	NA	2880		86	54-131
Phenanthrene	1667	NA	1420		85	69-133
Anthracene	1667	NA	1480		89	70-131
Carbazole	1667	NA	1440		86	78-133
Di-n-butylphthalate	1667	NA	1400		84	65-139
Fluoranthene	1667	NA	1490		89	69-133
Benzidine		NA				0-150
Pyrene	1667	NA	1560		94	58-141
Butylbenzylphthalate	1667	NA	1430		86	44-155
Benzo(a)anthracene	1667	NA	1350		81	54-135
3,3'-Dichlorobenzidine	1667	NA	798		48	38-137
Chrysene	1667	NA	1390		83	55-129
bis(2-Ethylhexyl)phthalate	1667	NA	1300		78	45-154
Di-n-octylphthalate	1667	NA	1320		79	53-143
Benzo(b)fluoranthene	1667	NA	1300		78	47-136
Benzo(k)fluoranthene	1667	NA	1240		74	49-150
Benzo(a)pyrene	1667	NA	1330		80	52-135
Indeno(1,2,3-cd)pyrene	1667	NA	1060		64	43-142
Dibenzo(a,h)anthracene	1667	NA	1060		64	42-155
Benzo(g,h,i)perylene	1667	NA	1110		67	40-147

FORM III SV-2
X8996.D

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Lab File ID (Standard): X8989 Date Analyzed: 10/28/05

Instrument ID: GCMS-X Time Analyzed: 1326

		IS1 (DCB)		IS2 (NPT)		IS3 (ANT)	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		332832	8.64	1151992	11.51	598418	15.64
UPPER LIMIT		665664	9.14	2303984	12.01	1196836	16.14
LOWER LIMIT		166416	8.14	575996	11.01	299209	15.14
	CLIENT SAMPLE ID	LAB SAMPLE ID					
01	WG22096-BLANK	WG22096-1	370654	8.64	1204987	11.50	655272	15.63
02	WG22096-LCS	WG22096-2	347292	8.64	1188965	11.51	602051	15.64
03								
04								
05								
06								
07								
08								
09								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

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

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

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

FORM VIII SV-1

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Lab File ID (Standard): X8989 Date Analyzed: 10/28/05

Instrument ID: GCMS-X Time Analyzed: 1326

		IS4(PHN) AREA #	IS4(PHN) RT #	IS5(CRY) AREA #	IS5(CRY) RT #	IS6(PRY) AREA #	IS6(PRY) RT #
12 HOUR STD		930066	19.16	382284	25.46	206241	28.59
UPPER LIMIT		1860132	19.66	764568	25.96	412482	29.09
LOWER LIMIT		465033	18.66	191142	24.96	103121	28.09
	CLIENT SAMPLE ID	LAB SAMPLE ID					
01	WG22096-BLANK	WG22096-1	946502	19.15	444550	25.45	194192	28.59
02	WG22096-LCS	WG22096-2	912781	19.16	412090	25.46	221389	28.59
03								
04								
05								
06								
07								
08								
09								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

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

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

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

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Lab File ID: XD569 DFTPP Injection Date: 10/29/05

Instrument ID: GCMS-X DFTPP Injection Time: 1204

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	44.5
68	Less than 2.0% of mass 69	0.2 (0.3)1
69	Less than 100.0% of mass 198	51.7
70	Less than 2.0% of mass 69	0.2 (0.5)1
127	40.0 - 60.0% of mass 198	42.6
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	7.4
275	10.0 - 30.0% of mass 198	19.9
365	1.0 - 100.0% of mass 198	2.8
441	0.0 - 100.0% of mass 443	9.9 (83.9)2
442	40.0 - 100.0% of mass 198	59.3
443	17.0 - 23.0% of mass 442	11.8 (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		SSTD050X1029	X9006	10/29/05	1223
02		SSTD150X1029	X9007	10/29/05	1315
03		SSTD125X1029	X9008	10/29/05	1400
04		SSTD100X1029	X9009	10/29/05	1445
05		SSTD025X1029	X9010	10/29/05	1529
06		SSTD010X1029	X9011	10/29/05	1613
07					
08					
09					
10					
11					
12					
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 MIDDLE RIVER SDG No.: MID-6

Instrument ID: GCMS-X Calibration Date(s): 10/29/05 10/29/05

Column: DB5-MS ID: 0.25 (mm) Calibration Time(s): 1223 1613

LAB FILE ID: RF10: X9011 RF25: X9010 RF50: X9006
RF100: X9009 RF125: X9008 RF150: X9007

COMPOUND	RF10	RF25	RF50	RF100	RF125	RF150	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2	
1,4-Dioxane	0.421	0.382	0.360	0.382	0.332	0.325	AVRG		0.36691912		9.743	15.000	
N-Nitrosodimethylamine	0.728	0.655	0.598	0.612	0.689	0.624	AVRG		0.65116197		7.670	15.000	
Pyridine	1.194	1.079	1.057	1.078	1.093	1.019	AVRG		1.08684014		5.402	15.000	
Aniline	1.477	1.305	1.362	1.236	1.263	1.209	AVRG		1.30855305		7.533	15.000	
2,2'-Oxybis(1-Chloropropa	2.568	2.375	2.148	2.063	2.044	1.914	AVRG		2.18518922		11.069	15.000	
Phenol	1.442	1.220	1.263	1.050	1.166	0.988	AVRG		1.18810464		13.592	15.000	
Bis(2-Chloroethyl)ether	93120	191340	438160	797940	1219600	1811200	2ORDR	3.107e-002	0.71188504	0.22642266	0.99920	0.99000	
2-Chlorophenol	1.197	1.044	1.090	0.875	0.951	0.864	AVRG		1.00338986		13.027	15.000	
1,3-Dichlorobenzene	1.486	1.298	1.324	1.105	1.065	1.043	AVRG		1.22007754		14.496	15.000	
1,4-Dichlorobenzene	1.489	1.286	1.344	1.105	1.066	1.052	AVRG		1.22369183		14.501	15.000	
Benzyl alcohol	0.366	0.412	0.401	0.427	0.490	0.449	AVRG		0.42417041		9.997	15.000	
2-Methylphenol	0.892	0.817	0.837	0.718	0.817	0.785	AVRG		0.81108179		7.143	15.000	
1,2-Dichlorobenzene	1.365	1.186	1.222	1.046	0.989	0.945	AVRG		1.12557826		14.199	15.000	
N-Nitroso-di-n-propylamin	0.920	0.806	0.784	0.665	0.729	0.575	AVRG		0.74656444		15.990	15.000	<
3&4-Methylphenol	0.972	0.864	0.947	0.726	0.761	0.739	AVRG		0.83470960		12.987	15.000	
Hexachloroethane	44779	96760	222000	395680	555820	844800	2ORDR	6.211e-002	1.03159148	1.41856734	0.99587	0.99000	
Nitrobenzene	0.313	0.322	0.304	0.277	0.282	0.273	AVRG		0.29530799		6.991	15.000	
Isophorone	0.551	0.521	0.558	0.481	0.467	0.470	AVRG		0.50819562		8.043	15.000	
2-Nitrophenol	0.182	0.172	0.194	0.171	0.169	0.169	AVRG		0.17625961		5.516	15.000	
2,4-Dimethylphenol	0.268	0.278	0.304	0.258	0.263	0.256	AVRG		0.27110700		6.730	15.000	
Bis(2-Chloroethoxy)methan	0.365	0.358	0.365	0.326	0.307	0.386	AVRG		0.35127605		8.311	15.000	
Benzoic acid	11685	43892	113570	359860	653270	1370600	2ORDR	0.12890250	10.8913244	-8.1823870	0.99545	0.99000	
2,4-Dichlorophenol	0.248	0.255	0.285	0.227	0.237	0.225	AVRG		0.24636855		9.140	15.000	
1,2,4-Trichlorobenzene	0.346	0.327	0.313	0.285	0.260	0.259	AVRG		0.29831550		12.172	15.000	
Naphthalene	0.892	0.823	0.864	0.736	0.719	0.681	AVRG		0.78589992		10.918	15.000	
4-Chloroaniline	105520	202400	525590	797480	1355300	1952500	2ORDR	3.188e-002	2.02781551	2.44183323	0.99670	0.99000	
Hexachlorobutadiene	0.203	0.195	0.177	0.187	0.159	0.148	AVRG		0.17824171		11.851	15.000	
4-Chloro-3-Methylphenol	0.237	0.241	0.271	0.207	0.220	0.205	AVRG		0.23027177		10.827	15.000	
2-Methylnaphthalene	0.544	0.532	0.587	0.465	0.471	0.451	AVRG		0.50837312		10.637	15.000	
1-Methylnaphthalene	0.537	0.513	0.558	0.444	0.450	0.419	AVRG		0.48711182		11.677	15.000	
Hexachlorocyclopentadiene	0.113	0.159	0.143	0.199	0.171	0.162	AVRG		0.15799838		18.192	15.000	<
2,4,6-Trichlorophenol	0.351	0.336	0.346	0.337	0.338	0.317	AVRG		0.33755515		3.490	15.000	
2,4,5-Trichlorophenol	0.345	0.342	0.374	0.355	0.374	0.369	AVRG		0.35987254		4.077	15.000	
2-Chloronaphthalene	0.419	0.411	0.377	0.353	0.321	0.247	AVRG		0.35472254		18.023	15.000	<
2-Nitroaniline	0.355	0.318	0.342	0.345	0.365	0.337	AVRG		0.34364598		4.659	15.000	
Dimethyl Phthalate	1.102	1.108	1.101	0.988	1.012	0.957	AVRG		1.04476806		6.394	15.000	
2,6-Dinitrotoluene	0.261	0.263	0.273	0.240	0.235	0.224	AVRG		0.24944829		7.583	15.000	
Acenaphthylene	1.566	1.528	1.538	1.368	1.327	1.209	AVRG		1.42270998		10.066	15.000	
3-Nitroaniline	0.226	0.233	0.262	0.233	0.266	0.250	AVRG		0.24515430		6.741	15.000	
Acenaphthene	1.040	0.970	0.992	0.909	0.894	0.801	AVRG		0.93426090		9.030	15.000	
2,4-Dinitrophenol	10419	37416	136670	240780	494860	807210	LINR	0.16006054	5.70811328		0.99458	0.99000	
Dibenzofuran	1.370	1.344	1.339	1.261	1.274	1.115	AVRG		1.28391933		7.229	15.000	
4-Nitrophenol	16463	23793	108720	148210	285280	478880	LINR	3.367e-002	9.93207588		0.99221	0.99000	
2,4-Dinitrotoluene	0.303	0.341	0.368	0.343	0.360	0.336	AVRG		0.34179816		6.636	15.000	

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project MIDDLE RIVER SDG No.: MID-6

Instrument ID: GCMS-X Calibration Date(s): 10/29/05 10/29/05

Column: DB5-MS ID: 0.25 (mm) Calibration Time(s): 1223 1613

LAB FILE ID: RF10: X9011 RF25: X9010 RF50: X9006
RF100: X9009 RF125: X9008 RF150: X9007

COMPOUND	RF10	RF25	RF50	RF100	RF125	RF150	CURVE	COEFFICENTS A0	COEFFICENTS A1	COEFFICENTS A2	%RSD OR R^2	MAX %RSD OR R^2	
Diethylphthalate	1.064	1.082	1.144	0.983	1.065	0.978	AVRG		1.05279185		6.003	15.000	
Fluorene	1.101	1.073	1.118	0.968	0.960	0.830	AVRG		1.00832418		10.901	15.000	
4-Chlorophenyl-phenylethe	0.613	0.577	0.578	0.535	0.531	0.483	AVRG		0.55280664		8.286	15.000	
4-Nitroaniline	0.214	0.214	0.272	0.219	0.240	0.218	AVRG		0.22965939		10.044	15.000	
4,6-Dinitro-2-Methylpheno	21418	68051	213980	351020	650340	981700	LINR	4.223e-002	7.73782906		0.99916	0.99000	
N-Nitrosodiphenylamine	0.520	0.523	0.525	0.458	0.468	0.443	AVRG		0.48958510		7.641	15.000	
Azobenzene	0.628	0.600	0.581	0.537	0.581	0.614	AVRG		0.59025849		5.426	15.000	
4-Bromophenyl-phenylether	0.250	0.221	0.214	0.213	0.190	0.182	AVRG		0.21146296		11.453	15.000	
Hexachlorobenzene	0.294	0.289	0.261	0.261	0.237	0.232	AVRG		0.26265862		9.734	15.000	
Pentachlorophenol	0.073	0.110	0.111	0.111	0.110	0.112	AVRG		0.10448754		14.561	15.000	
Phenanthrene	0.939	0.897	0.891	0.795	0.786	0.746	AVRG		0.84214505		9.093	15.000	
Anthracene	0.953	0.909	0.908	0.793	0.699	0.591	AVRG		0.80893828		17.534	15.000	<
Carbazole	0.714	0.709	0.795	0.641	0.621	0.564	AVRG		0.67414394		12.160	15.000	
Di-n-butylphthalate	0.928	1.023	1.084	0.900	0.874	0.848	AVRG		0.94288962		9.709	15.000	
Fluoranthene	0.875	0.910	0.930	0.809	0.708	0.638	AVRG		0.81171407		14.396	15.000	
Benzidine	0.198	0.226	0.321	0.201	0.214	0.208	AVRG		0.22810603		20.501	15.000	<
Pyrene	1.207	1.116	1.233	1.187	1.665	1.528	AVRG		1.32259520		16.624	15.000	<
Butylbenzylphthalate	0.462	0.486	0.553	0.454	0.591	0.542	AVRG		0.51463995		10.786	15.000	
Benzo(a)anthracene	0.930	0.948	1.010	0.903	1.034	0.941	AVRG		0.96092368		5.227	15.000	
3,3'-Dichlorobenzidine	0.299	0.331	0.340	0.307	0.310	0.290	AVRG		0.31301585		6.148	15.000	
Chrysene	0.977	0.961	0.928	0.882	0.978	0.883	AVRG		0.93482747		4.767	15.000	
bis(2-Ethylhexyl)phthalat	0.627	0.652	0.762	0.606	0.767	0.745	AVRG		0.69337204		10.491	15.000	
Di-n-octylphthalate	187970	552280	1693800	1769300	1934200	3498300	2ORDR	-1.94e-003	0.74187120	-2.73e-002	0.99345	0.99000	
Benzo(b)fluoranthene	1.232	1.200	1.268	1.176	1.242	1.278	AVRG		1.23254146		3.186	15.000	
Benzo(k)fluoranthene	1.221	1.204	1.323	1.237	1.266	1.304	AVRG		1.25927487		3.745	15.000	
Benzo(a)pyrene	1.061	1.044	1.061	1.016	1.132	1.103	AVRG		1.06942364		3.904	15.000	
Indeno(1,2,3-cd)pyrene	0.790	0.726	0.675	0.745	0.825	0.811	AVRG		0.76183914		7.523	15.000	
Dibenzo(a,h)anthracene	0.870	0.830	0.740	0.792	0.843	0.826	AVRG		0.81690918		5.534	15.000	
Benzo(g,h,i)perylene	0.919	0.781	0.742	0.780	0.882	0.852	AVRG		0.82613431		8.314	15.000	
2-Fluorophenol	0.884	0.853	0.868	0.751	0.793	0.764	AVRG		0.81883748		6.919	15.000	
Phenol-D6	1.139	1.018	1.053	0.828	0.942	0.870	AVRG		0.97494729		12.021	15.000	
Nitrobenzene-D5	0.303	0.312	0.305	0.285	0.286	0.280	AVRG		0.29538846		4.424	15.000	
2-Fluorobiphenyl	1.193	1.136	1.094	1.065	1.021	0.967	AVRG		1.07929813		7.482	15.000	
2,4,6-Tribromophenol	0.197	0.227	0.197	0.225	0.198	0.186	AVRG		0.20503395		8.235	15.000	
Terphenyl-D14	0.809	0.830	0.836	0.892	1.221	1.019	AVRG		0.93455565		17.090	15.000	<

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project MIDDLE RIVER SDG No.: MID-6

Instrument ID: GCMS-X Calibration Date(s): 10/29/05 10/29/05

Column: DB5-MS ID: 0.25 (mm) Calibration Time(s): 1223 1613

Average %RSD test result.

Calculate Average %RSD: 12.40123844
Maximum Average %RSD: 15.00000000

Note: Passes Average %RSD Test.

FORM 5
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Lab File ID: XD570 DFTPP Injection Date: 10/30/05

Instrument ID: GCMS-X DFTPP Injection Time: 1808

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	53.2
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Less than 100.0% of mass 198	64.0
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	46.2
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	7.1
275	10.0 - 30.0% of mass 198	22.8
365	1.0 - 100.0% of mass 198	2.8
441	0.0 - 100.0% of mass 443	6.8 (57.2)2
442	40.0 - 100.0% of mass 198	61.1
443	17.0 - 23.0% of mass 442	11.9 (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		SSTD050X1030	X9023	10/30/05	1827
02	SD-27-02	WV5605-6	X9024	10/30/05	1913
03	SD-29-02	WV5605-12	X9025	10/30/05	1957
04	SD-28-02	WV5605-9	X9026	10/30/05	2041
05	SD-29-01	WV5605-11	X9027	10/30/05	2126
06	SD-29-SS	WV5605-10	X9028	10/30/05	2210
07	SD-28-01	WV5605-8	X9029	10/30/05	2254
08	SD-28-SS	WV5605-7	X9030	10/30/05	2339
09	SD-26-SS	WV5605-3	X9032	10/31/05	0108
10	SD-27-01	WV5605-5	X9033	10/31/05	0153
11	SD-24-SS	WV5605-1	X9035	10/31/05	0322
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: MIDDLE RIVER SDG No.: MID-6

Instrument ID: GCMS-X Calibration Date: 10/30/05 Time: 1827

Lab File ID: X9023 Init. Calib. Date(s): 10/29/05 10/29/05

Init. Calib. Times: 1223 1613

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	0.3670000	0.3889800	0.3889800	0.01	5.99	100.00	AVRG
N-Nitrosodimethylamine	0.6510000	0.6136500	0.6136500	0.01	-5.74	100.00	AVRG
Pyridine	1.0870000	1.1336000	1.1336000	0.01	4.29	100.00	AVRG
Aniline	1.3090000	1.2608000	1.2608000	0.01	-3.68	100.00	AVRG
2,2'-Oxybis(1-Chloropropane)	2.1850000	2.0581000	2.0581000	0.01	-5.81	100.00	AVRG
Phenol	1.1880000	1.1205000	1.1205000	0.01	-5.68	20.00	AVRG
Bis(2-Chloroethyl)ether	45.486000	50.000000	0.9121800	0.01	-9.03	100.00	2RDR
2-Chlorophenol	1.0040000	0.9992500	0.9992500	0.01	-0.47	100.00	AVRG
1,3-Dichlorobenzene	1.2200000	1.2293000	1.2293000	0.01	0.76	100.00	AVRG
1,4-Dichlorobenzene	1.2240000	1.2100000	1.2100000	0.01	-1.14	20.00	AVRG
Benzyl alcohol	0.4240000	0.3402800	0.3402800	0.01	-19.74	100.00	AVRG
2-Methylphenol	0.8110000	0.7063500	0.7063500	0.01	-12.90	100.00	AVRG
1,2-Dichlorobenzene	1.1260000	1.0682000	1.0682000	0.01	-5.13	100.00	AVRG
N-Nitroso-di-n-propylamine	0.7460000	0.6906900	0.6906900	0.05	-7.41	100.00	AVRG
3&4-Methylphenol	0.8350000	0.7586400	0.7586400	0.01	-9.14	100.00	AVRG
Hexachloroethane	46.198000	50.000000	0.4691500	0.01	-7.60	100.00	2RDR
Nitrobenzene	0.2950000	0.2860000	0.2860000	0.01	-3.05	100.00	AVRG
Isophorone	0.5080000	0.4804900	0.4804900	0.01	-5.42	100.00	AVRG
2-Nitrophenol	0.1760000	0.1791000	0.1791000	0.01	1.76	20.00	AVRG
2,4-Dimethylphenol	0.2710000	0.2620400	0.2620400	0.01	-3.31	100.00	AVRG
Bis(2-Chloroethoxy)methane	0.3510000	0.3144400	0.3144400	0.01	-10.42	100.00	AVRG
Benzoic acid	33.055000	50.000000	5.4e-002	0.01	-33.89	100.00	2RDR
2,4-Dichlorophenol	0.2460000	0.2276400	0.2276400	0.01	-7.46	20.00	AVRG
1,2,4-Trichlorobenzene	0.2980000	0.2907200	0.2907200	0.01	-2.44	100.00	AVRG
Naphthalene	0.7860000	0.7733300	0.7733300	0.01	-1.61	100.00	AVRG
4-Chloroaniline	40.890000	50.000000	0.2760300	0.01	-18.22	100.00	2RDR
Hexachlorobutadiene	0.1780000	0.1864200	0.1864200	0.01	4.73	20.00	AVRG
4-Chloro-3-Methylphenol	0.2300000	0.1899800	0.1899800	0.01	-17.40	20.00	AVRG
2-Methylnaphthalene	0.5080000	0.4614700	0.4614700	0.01	-9.16	100.00	AVRG

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Instrument ID: GCMS-X Calibration Date: 10/30/05 Time: 1827

Lab File ID: X9023 Init. Calib. Date(s): 10/29/05 10/29/05

Init. Calib. Times: 1223 1613

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	0.4870000	0.4513800	0.4513800	0.01	-7.31	100.00	AVRG
Hexachlorocyclopentadiene	0.1580000	0.1759000	0.1759000	0.05	11.33	100.00	AVRG
2,4,6-Trichlorophenol	0.3380000	0.3447200	0.3447200	0.01	1.99	20.00	AVRG
2,4,5-Trichlorophenol	0.3600000	0.3469200	0.3469200	0.01	-3.63	100.00	AVRG
2-Chloronaphthalene	0.3550000	0.3952700	0.3952700	0.01	11.34	100.00	AVRG
2-Nitroaniline	0.3440000	0.3412400	0.3412400	0.01	-0.80	100.00	AVRG
Dimethyl Phthalate	1.0450000	0.9573300	0.9573300	0.01	-8.39	100.00	AVRG
2,6-Dinitrotoluene	0.2490000	0.2380200	0.2380200	0.01	-4.41	100.00	AVRG
Acenaphthylene	1.4230000	1.4506000	1.4506000	0.01	1.94	100.00	AVRG
3-Nitroaniline	0.2450000	0.2016600	0.2016600	0.01	-17.69	100.00	AVRG
Acenaphthene	0.9340000	0.9592000	0.9592000	0.01	2.70	20.00	AVRG
2,4-Dinitrophenol	38.044000	50.000000	0.1108600	0.05	-23.91	100.00	LINR
Dibenzofuran	1.2840000	1.2863000	1.2863000	0.01	0.18	100.00	AVRG
4-Nitrophenol	39.997000	50.000000	7.78e-002	0.05	-20.01	100.00	LINR
2,4-Dinitrotoluene	0.3420000	0.2822200	0.2822200	0.01	-17.48	100.00	AVRG
Diethylphthalate	1.0530000	0.9012100	0.9012100	0.01	-14.42	100.00	AVRG
Fluorene	1.0080000	0.9677900	0.9677900	0.01	-3.99	100.00	AVRG
4-Chlorophenyl-phenylether	0.5530000	0.5149000	0.5149000	0.01	-6.89	100.00	AVRG
4-Nitroaniline	0.2300000	0.1805300	0.1805300	0.01	-21.51	100.00	AVRG
4,6-Dinitro-2-Methylphenol	44.808000	50.000000	0.1114500	0.01	-10.38	100.00	LINR
N-Nitrosodiphenylamine	0.4900000	0.5209400	0.5209400	0.01	6.31	20.00	AVRG
Azobenzene	0.5900000	0.6333300	0.6333300	0.01	7.34	100.00	AVRG
4-Bromophenyl-phenylether	0.2120000	0.2064900	0.2064900	0.01	-2.60	100.00	AVRG
Hexachlorobenzene	0.2620000	0.2511700	0.2511700	0.01	-4.13	100.00	AVRG
Pentachlorophenol	0.1040000	0.1087400	0.1087400	0.01	4.56	20.00	AVRG
Phenanthrene	0.8420000	0.8333900	0.8333900	0.01	-1.02	100.00	AVRG
Anthracene	0.8090000	0.8258000	0.8258000	0.01	2.08	100.00	AVRG
Carbazole	0.6740000	0.6387500	0.6387500	0.01	-5.23	100.00	AVRG
Di-n-butylphthalate	0.9430000	0.8674800	0.8674800	0.01	-8.01	100.00	AVRG

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Instrument ID: GCMS-X Calibration Date: 10/30/05 Time: 1827

Lab File ID: X9023 Init. Calib. Date(s): 10/29/05 10/29/05

Init. Calib. Times: 1223 1613

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
Fluoranthene	0.8120000	0.7657400	0.7657400	0.01	-5.70	20.00	AVRG
Benzidine	0.2280000	0.2184400	0.2184400	0.01	-4.19	100.00	AVRG
Pyrene	1.3230000	1.1098000	1.1098000	0.01	-16.12	100.00	AVRG
Butylbenzylphthalate	0.5150000	0.4687700	0.4687700	0.01	-8.98	100.00	AVRG
Benzo(a)anthracene	0.9610000	0.8750600	0.8750600	0.01	-8.94	100.00	AVRG
3,3'-Dichlorobenzidine	0.3130000	0.2976300	0.2976300	0.01	-4.91	100.00	AVRG
Chrysene	0.9350000	0.8842400	0.8842400	0.01	-5.43	100.00	AVRG
bis(2-Ethylhexyl)phthalate	0.6930000	0.6462100	0.6462100	0.01	-6.75	100.00	AVRG
Di-n-octylphthalate	45.836000	50.000000	1.3175000	0.01	-8.33	20.00	2RDR
Benzo(b)fluoranthene	1.2330000	1.1863000	1.1863000	0.01	-3.79	100.00	AVRG
Benzo(k)fluoranthene	1.2590000	1.1935000	1.1935000	0.01	-5.20	100.00	AVRG
Benzo(a)pyrene	1.0700000	0.9811300	0.9811300	0.01	-8.30	20.00	AVRG
Indeno(1,2,3-cd)pyrene	0.7620000	0.7598600	0.7598600	0.01	-0.28	100.00	AVRG
Dibenzo(a,h)anthracene	0.8170000	0.8345500	0.8345500	0.01	2.15	100.00	AVRG
Benzo(g,h,i)perylene	0.8260000	0.8383000	0.8383000	0.01	1.49	100.00	AVRG
2-Fluorophenol	0.8190000	0.8644000	0.8644000	0.01	5.54	100.00	AVRG
Phenol-D6	0.9750000	0.9336800	0.9336800	0.01	-4.24	100.00	AVRG
Nitrobenzene-D5	0.2950000	0.3039800	0.3039800	0.01	3.04	100.00	AVRG
2-Fluorobiphenyl	1.0790000	1.1868000	1.1868000	0.01	9.99	100.00	AVRG
2,4,6-Tribromophenol	0.2050000	0.1682200	0.1682200	0.01	-17.94	100.00	AVRG
Terphenyl-D14	0.9340000	0.7690100	0.7690100	0.01	-17.66	100.00	AVRG

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Lab File ID (Standard): X9023 Date Analyzed: 10/30/05

Instrument ID: GCMS-X Time Analyzed: 1827

		IS1 (DCB)		IS2 (NPT)		IS3 (ANT)	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		446069	8.57	1347878	11.42	601754	15.56
UPPER LIMIT		892138	9.07	2695756	11.92	1203508	16.06
LOWER LIMIT		223035	8.07	673939	10.92	300877	15.06
	CLIENT SAMPLE ID	LAB SAMPLE ID					
01	SD-27-02	WV5605-6	438083	8.56	1494220	11.42	696425	15.55
02	SD-29-02	WV5605-12	408685	8.56	1360595	11.42	666959	15.55
03	SD-28-02	WV5605-9	366671	8.56	1165914	11.42	548552	15.55
04	SD-29-01	WV5605-11	371766	8.56	1187207	11.42	575043	15.55
05	SD-29-SS	WV5605-10	376536	8.56	1153932	11.42	515571	15.55
06	SD-28-01	WV5605-8	446866	8.56	1562253	11.41	742788	15.55
07	SD-28-SS	WV5605-7	383468	8.56	1285891	11.42	655074	15.55
08	SD-26-SS	WV5605-3	466870	8.56	1623488	11.42	794175	15.56
09	SD-27-01	WV5605-5	459900	8.57	1540015	11.42	855186	15.56
10	SD-24-SS	WV5605-1	416877	8.56	1295876	11.42	677126	15.55
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

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

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

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

FORM VIII SV-1

FORM 8
SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-6

Lab File ID (Standard): X9023 Date Analyzed: 10/30/05

Instrument ID: GCMS-X Time Analyzed: 1827

		IS4(PHN) AREA #	IS4(PHN) RT #	IS5(CRY) AREA #	IS5(CRY) RT #	IS6(PRY) AREA #	IS6(PRY) RT #
12 HOUR STD		869466	19.08	631312	25.38	488638	28.51
UPPER LIMIT		1738932	19.58	1262624	25.88	977276	29.01
LOWER LIMIT		434733	18.58	315656	24.88	244319	28.01
	CLIENT SAMPLE ID	LAB SAMPLE ID					
01	SD-27-02	WV5605-6	916867	19.07	428975	25.36	270919	28.50
02	SD-29-02	WV5605-12	928920	19.07	568788	25.37	352522	28.50
03	SD-28-02	WV5605-9	717608	19.07	376623	25.37	304509	28.50
04	SD-29-01	WV5605-11	721427	19.07	336775	25.37	194705*	28.50
05	SD-29-SS	WV5605-10	615461	19.07	253382*	25.36	132585*	28.50
06	SD-28-01	WV5605-8	1054165	19.07	467873	25.37	315281	28.51
07	SD-28-SS	WV5605-7	866277	19.07	313753*	25.37	193425*	28.50
08	SD-26-SS	WV5605-3	1153215	19.08	424784	25.37	246203	28.51
09	SD-27-01	WV5605-5	1254446	19.07	465740	25.36	281218	28.50
10	SD-24-SS	WV5605-1	915007	19.07	202802*	25.37	103779*	28.51
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

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

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

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

Data File: \\Target_server\GG\chem\gcms-k.i\K100705.b\K0299.D
Report Date: 31-Oct-2005 13:39

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-k.i\K100705.b\K0299.D
Lab Smp Id: SSTD150K1007
Inj Date : 07-OCT-2005 13:52 MS Autotune Date: 01-MAR-2004 10:18
Operator : JCG Inst ID: gcms-k.i
Smp Info : SSTD150K1007
Misc Info : SW846 8270C
Comment :
Method : \\Target_server\GG\chem\gcms-k.i\K100705.b\k8270C51.m
Meth Date : 31-Oct-2005 13:36 gcms-k.i Quant Type: ISTD
Cal Date : 07-OCT-2005 13:52 Cal File: K0299.D
Als bottle: 3 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.12

Concentration Formula: Amt * DF * 1000*(Vt/Ws*Vi)*(100/(100-M)) * CpndVariab

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Volume of final extract (L)
Ws	0.03000	Weight of sample extracted (Kg)
Vi	1.000	Volume injected (uL)
M	0.00000	% Moisture
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
	1 1,4-Dioxane	58	3.316	3.224	(0.369)	1078782	150.000	140(aM)
	2 N-Nitrosodimethylamine	42	3.871	3.857	(0.431)	1474996	150.000	133(a)
	3 Pyridine	79	3.881	4.013	(0.432)	2573575	150.000	119(a)
	4 2-Picoline	93	5.195	5.289	(0.578)	2433135	150.000	131(aM)
	5 N-Nitrosomethylethylamine	88	5.478	5.445	(0.610)	1316382	150.000	141(a)
	6 Methyl Methanesulfonate	80	6.121	6.039	(0.681)	1429484	150.000	128(a)
$	7 2-Fluorophenol	112	6.413	6.341	(0.714)	1919706	150.000	132
	8 N-Nitrosodiethylamine	102	6.851	6.779	(0.763)	1207478	150.000	138(a)
	9 Ethyl Methanesulfonate	79	7.543	7.461	(0.840)	2010792	150.000	135(a)
	10 Benzaldehyde	77	8.078	8.055	(0.899)	152087	150.000	116(a)
	11 Aniline	93	8.341	8.289	(0.928)	2702354	150.000	149(a)
	12 Pentachloroethane	117	8.370	8.337	(0.932)	640294	150.000	146(a)
$	13 Phenol-D6	99	8.400	8.337	(0.935)	2004317	150.000	149
	14 Phenol	94	8.429	8.357	(0.938)	2494016	150.000	153(aH)
	15 Bis(2-Chloroethyl)ether	93	8.536	8.474	(0.950)	1588933	150.000	152(a)
	16 2-Chlorophenol	128	8.575	8.522	(0.954)	1701499	150.000	144(a)
	17 1,3-Dichlorobenzene	146	8.848	8.814	(0.985)	1851319	150.000	148(a)
*	18 1,4-Dichlorobenzene-D4	152	8.984	8.951	(1.000)	557722	40.0000	
	19 1,4-Dichlorobenzene	146	9.023	8.990	(1.004)	1763696	150.000	147(a)
	20 1,2-Dichlorobenzene	146	9.335	9.292	(1.039)	1605149	150.000	148(a)
	21 Benzyl alcohol	108	9.413	9.340	(1.048)	1195133	150.000	156(a)

Data File: \\Target_server\GG\chem\gcms-k.i\K100705.b\K0299.D
Report Date: 31-Oct-2005 13:39

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
22	2,2'-Oxybis(1-chloropropane)	45	9.676	9.623	(1.077)	3462994	150.000	144(aM)
23	Bis(2-Chloroisopropyl)ether	45	9.676	9.623	(1.077)	3459432	150.000	144(aM)
24	2-Methylphenol	108	9.705	9.642	(1.080)	1992984	150.000	143(a)
25	Acetophenone	105	9.938	9.876	(0.842)	2524013	150.000	137(a)
26	N-Nitrosopyrrolidine	100	10.016	9.876	(1.115)	851225	150.000	120(a)
27	N-Nitroso-di-n-propylamine	70	10.026	9.925	(1.116)	1305590	150.000	149(a)
28	o-Toluidine	106	10.007	9.944	(0.847)	2203605	150.000	153(aH)
29	N-Nitrosomorpholine	56	10.075	9.964	(1.121)	1208173	150.000	131(a)
30	Hexachloroethane	117	10.036	10.012	(1.117)	681331	150.000	144(a)
31	3&4-Methylphenol	108	10.094	10.012	(1.124)	1796342	150.000	139(aH)
32	4-Methylphenol	108	10.094	10.012	(1.124)	1796342	150.000	139(aH)
$ 33	Nitrobenzene-D5	82	10.240	10.188	(0.867)	2167145	150.000	140
34	Nitrobenzene	77	10.299	10.227	(0.872)	1895988	150.000	132(a)
35	N-Nitrosopiperidine	114	10.669	10.587	(0.904)	1057038	150.000	142(a)
36	Isophorone	82	10.873	10.801	(0.921)	3735034	150.000	134(a)
37	2-Nitrophenol	139	10.990	10.947	(0.931)	1173352	150.000	136(a)
38	2,4-Dimethylphenol	107	11.234	11.181	(0.951)	1966822	150.000	138(a)
39	O,O,O-Triethylphosphorothioat	198	11.370	11.318	(0.963)	815146	150.000	133(a)
40	Bis(2-Chloroethoxy)methane	93	11.419	11.376	(0.967)	2010174	150.000	146(a)
41	Benzoic acid	122	11.779	11.464	(0.998)	1320999	150.000	157(aAM)
42	2,4-Dichlorophenol	162	11.584	11.551	(0.981)	1517901	150.000	139(a)
43	1,2,4-Trichlorobenzene	180	11.701	11.678	(0.991)	1408772	150.000	145(a)
* 44	Naphthalene-D8	136	11.808	11.785	(1.000)	1676272	40.0000	
45	Naphthalene	128	11.857	11.824	(1.004)	3623511	150.000	151(a)
46	A,A-Dimethylphenethylamine	58	14.156	12.009	(1.199)	6220881	150.000	136(aM)
47	Hexachloropropene	213	12.052	12.038	(1.021)	914630	150.000	134(a)
48	2,6-Dichlorophenol	162	12.071	12.038	(1.022)	1240863	150.000	149(a)
49	4-Chloroaniline	127	12.091	12.048	(1.024)	1611146	150.000	150(a)
50	Hexachlorobutadiene	225	12.179	12.155	(1.031)	822488	150.000	127(a)
51	N-Nitroso-Di-N-Butylamine	84	12.938	12.895	(1.096)	1423957	150.000	152(a)
52	Caprolactam	113	13.133	12.905	(1.112)	823617	150.000	154(a)
53	p-Phenylenediamine	108	13.376	12.954	(0.840)	287904	150.000	47.1(aM)
54	4-Chloro-3-Methylphenol	107	13.376	13.314	(1.133)	1560051	150.000	131(a)
55	Safrole	104	13.367	13.334	(0.839)	658203	150.000	151(a)
56	2-Methylnaphthalene	142	13.493	13.460	(1.143)	2625558	150.000	144(a)
57	1-Methylnaphthalene	142	13.717	13.684	(1.162)	2501538	150.000	152(aA)
58	Hexachlorocyclopentadiene	237	13.844	13.840	(0.869)	355329	150.000	95.6(a)
59	1,2,4,5-Tetrachlorobenzene	216	13.883	13.859	(0.872)	1354073	150.000	151(aM)
60	2,4,6-Trichlorophenol	196	14.234	14.200	(0.894)	1038240	150.000	126(a)
61	2,4,5-Trichlorophenol	196	14.341	14.317	(0.900)	1257369	150.000	139(a)
$ 62	2-Fluorobiphenyl	172	14.419	14.385	(0.905)	2676907	150.000	147
63	Diethyl Adipate	111	14.565	14.531	(0.914)	1100667	150.000	153(aA)
64	Isosafrole	131	14.613	14.570	(1.238)	480217	150.000	149(a)
65	2-Chloronaphthalene	164	14.633	14.600	(0.919)	819838	150.000	98.8(a)
66	1,1'-Biphenyl	154	14.652	14.600	(0.920)	2001607	150.000	90.4(a)
67	1-Chloronaphthalene	162	14.682	14.639	(0.922)	2506343	150.000	154(aAH)
68	Diphenylether	170	14.906	14.882	(0.936)	1828563	150.000	149(a)
69	2-Nitroaniline	65	14.983	14.931	(0.941)	1285031	150.000	141(a)
70	1,4-Naphthoquinone	158	15.120	15.077	(0.949)	661990	150.000	147(a)
71	1,4-Dinitrobenzene	75	15.363	15.320	(0.965)	834554	150.000	148(a)
72	Dimethyl Phthalate	163	15.519	15.437	(0.974)	3576879	150.000	126(aM)
73	1,3-Dinitrobenzene	168	15.558	15.486	(0.977)	775142	150.000	133(a)
74	2,6-Dinitrotoluene	165	15.616	15.554	(0.980)	830340	150.000	145(a)
75	Acenaphthylene	152	15.597	15.564	(0.979)	3428957	150.000	146(a)

Data File: \\Target_server\GG\chem\gcms-k.i\K100705.b\K0299.D
Report Date: 31-Oct-2005 13:39

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
130 Aramite	185	23.700	23.686	(0.917)	282999	150.000	155(a)
131 p-Dimethylaminoazobenzene	225	23.798	23.764	(0.921)	766580	150.000	157(a)
132 Chlorobenzilate	251	23.953	23.930	(0.927)	1176975	150.000	171(a)
133 Famphur	218	24.528	24.524	(0.949)	21984	150.000	11.5(a)
135 3,3'-Dimethylbenzidine	212	24.616	24.602	(0.952)	768421	150.000	155(a)
136 Butylbenzylphthalate	149	24.742	24.719	(0.957)	1776901	150.000	144(a)
137 Bis(2-ethylhexyl)adipate	129	25.054	25.040	(0.969)	1807605	150.000	155(aA)
138 2-Acetylaminofluorene	181	25.249	25.196	(0.977)	950918	150.000	132(a)
139 Benzo(a)anthracene	228	25.823	25.800	(0.999)	2445302	150.000	138(a)
* 140 Chrysene-D12	240	25.853	25.829	(1.000)	698428	40.0000	
141 3,3'-Dichlorobenzidine	252	25.882	25.858	(1.001)	694906	150.000	136(a)
142 Chrysene	228	25.921	25.878	(1.003)	2017686	150.000	133(a)
143 bis(2-Ethylhexyl)phthalate	149	26.223	26.209	(1.014)	2279902	150.000	144(a)
145 Di-n-octylphthalate	149	27.732	27.719	(0.955)	3138236	150.000	136(a)
146 Benzo(b)fluoranthene	252	28.278	28.235	(0.974)	1802255	150.000	136(a)
147 7,12-Dimethylbenz(A)Anthracen	256	28.278	28.244	(0.974)	744009	150.000	135(a)
148 Benzo(k)fluoranthene	252	28.336	28.303	(0.976)	1629702	150.000	147(a)
149 Benzo(a)pyrene	252	28.930	28.907	(0.996)	1552674	150.000	135(a)
* 150 Perylene-D12	264	29.037	29.033	(1.000)	404687	40.0000	
151 3-Methylcholanthrene	268	29.661	29.647	(1.147)	721925	150.000	129(a)
152 Dibenz(a,j)acridine	279	30.790	30.777	(1.060)	1207866	150.000	154(aA)
153 Indeno(1,2,3-cd)pyrene	276	31.083	31.059	(1.070)	1298749	150.000	154(a)
154 Dibenzo(a,h)anthracene	278	31.131	31.118	(1.072)	1227754	150.000	150(a)
155 Benzo(g,h,i)perylene	276	31.540	31.517	(1.086)	1223804	150.000	144(a)

QC Flag Legend

a - Target compound detected but, quantitated amount Below Limit Of Quantitation(BLOQ).
A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: \\Target_server\GG\chem\gcms-k.i\K100705.b\K0299.D
Report Date: 31-Oct-2005 13:39

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
76	1,2-Dinitrobenzene	50	15.733	15.642	(0.988)	676706	150.000	138(aH)
* 77	Acenaphthene-D10	164	15.928	15.914	(1.000)	997820	40.0000	
78	3-Nitroaniline	138	15.996	15.934	(1.004)	956660	150.000	132(a)
79	Acenaphthene	153	16.026	15.983	(1.006)	2242753	150.000	147(a)
80	2,4-Dinitrophenol	184	16.269	16.226	(1.021)	734728	150.000	151(a)
81	Pentachlorobenzene	250	16.337	16.304	(1.026)	1269866	150.000	143(a)
82	Dibenzofuran	168	16.444	16.411	(1.032)	3313731	150.000	149(a)
83	2,4-Dinitrotoluene	165	16.581	16.509	(1.041)	1341068	150.000	141(a)
84	4-Nitrophenol	109	16.590	16.596	(1.042)	460303	150.000	199(aA)
85	1-Naphthylamine	143	16.668	16.625	(1.046)	2118286	150.000	110(a)
86	2,3,5,6-Tetrachlorophenol	232	16.707	16.664	(1.049)	822612	150.000	137(a)
87	2,3,4,6-Tetrachlorophenol	232	16.805	16.772	(1.055)	950993	150.000	131(a)
88	2-Naphthylamine	143	16.892	16.820	(1.061)	2005312	150.000	107(a)
89	Diethylphthalate	149	17.204	17.151	(1.080)	3226794	150.000	150(a)
90	Fluorene	166	17.262	17.220	(1.084)	2635565	150.000	147(a)
91	4-Chlorophenyl-phenylether	204	17.331	17.307	(1.088)	1382682	150.000	147(a)
92	0,0-diethyl-o-2-pyrazinylphos	107	17.389	17.327	(1.092)	644449	150.000	146(a)
93	5-Nitro-O-Toluidine	152	17.438	17.346	(1.095)	1076775	150.000	136(a)
94	4-Nitroaniline	138	17.506	17.395	(1.099)	1024508	150.000	138(aM)
95	4,6-Dinitro-2-Methylphenol	198	17.545	17.473	(0.901)	825702	150.000	157(a)
96	N-Nitrosodiphenylamine/DPA	169	17.671	17.609	(0.907)	2324399	150.000	149(a)
97	N-Nitrosodiphenylamine	169	17.671	17.609	(0.907)	2324399	150.000	149(a)
98	1,2-Diphenylhydrazine	77	17.720	17.677	(0.910)	3400035	150.000	152(a)
99	Azobenzene	77	17.720	17.677	(0.910)	3492764	150.000	148(aM)
$ 100	2,4,6-Tribromophenol	330	17.857	17.814	(1.121)	516680	150.000	148
101	Sulfotepp	97	18.158	18.116	(0.932)	609212	150.000	150(a)
102	Diallate	86	18.373	18.340	(0.943)	1433383	150.000	148(a)
103	Phorate	75	18.402	18.349	(0.945)	1786849	150.000	150(a)
104	1,3,5-Trinitrobenzene	75	18.499	18.456	(0.950)	193589	150.000	41.2(a)
105	4-Bromophenyl-phenylether	248	18.499	18.466	(0.950)	874020	150.000	127(a)
106	Phenacetin	108	18.606	18.476	(0.955)	1706460	150.000	127(a)
107	Hexachlorobenzene	284	18.548	18.515	(0.952)	918400	150.000	145(a)
108	Dimethoate	87	18.840	18.758	(0.967)	802400	150.000	84.7(a)
109	Atrazine	200	19.045	19.002	(0.978)	147481	150.000	28.2(aM)
110	Pentachloronitrobenzene	237	19.074	19.060	(0.979)	422790	150.000	146(a)
111	Pentachlorophenol	266	19.093	19.070	(0.980)	614789	150.000	159(a)
112	4-Aminobiphenyl	169	19.152	19.109	(0.983)	1822844	150.000	97.3(a)
113	Pronamide	173	19.415	19.352	(0.997)	1435219	150.000	130(a)
* 114	Phenanthrene-D10	188	19.473	19.450	(1.000)	1458354	40.0000	
115	Phenanthrene	178	19.551	19.499	(1.004)	3430586	150.000	148(a)
116	Dinoseb	211	19.639	19.586	(1.009)	921988	150.000	155(a)
117	Anthracene	178	19.678	19.625	(1.011)	2854611	150.000	147(a)
118	Disulfoton	88	19.658	19.625	(1.010)	1454557	150.000	148(a)
119	Carbazole	167	20.136	20.093	(1.034)	3443547	150.000	145(a)
120	Methyl Parathion	109	20.525	20.502	(1.054)	712657	150.000	92.0(a)
121	Di-n-butylphthalate	149	21.139	21.115	(1.086)	4490229	150.000	143(a)
122	4-Nitroquinoline-1-Oxide	190	21.480	21.456	(1.103)	250842	150.000	123(a)
123	Parathion	291	21.519	21.485	(1.105)	398204	150.000	124(a)
124	Methapyrilene	97	21.762	21.729	(1.118)	713690	150.000	85.3(aM)
125	Isodrin	193	21.986	21.963	(1.129)	543449	150.000	142(a)
126	Fluoranthene	202	22.385	22.352	(1.150)	3419976	150.000	140(a)
127	Benzidine	184	22.853	22.829	(0.884)	636955	150.000	130(a)
128	Pyrene	202	22.902	22.868	(0.886)	3432467	150.000	156(a)
$ 129	Terphenyl-D14	244	23.427	23.404	(0.906)	2383892	150.000	162

TETRA TECH NUS, INC. **CALCULATION WORKSHEET** PAGE _____ OF _____

CLIENT Lockheed Middle River		JOB NUMBER Job-00275 SDG-MID-6	
SUBJECT Sample Calculation			
BASED ON		DRAWING NUMBER	
BY Bernard F Spada III	CHECKED BY	APPROVED BY	DATE 11/10/05

Sample SD-28-55

Pyrene = 13000 ug/kg

$$\text{Pyrene} = \frac{(1189745)(40\ ng/\mu L)(1000\ \mu L)}{(313753)(1.3226)(30\ g)(0.289)} = 13227\ ng/g = ug/kg$$

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/27/05
Analysis Date: 30-OCT-2005 23:39
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 28.9

Lab ID: WV5605-7
Client ID: SD-28-SS
SDG: MID-6
Extracted by: KF
Extraction Method: SW846 3540
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG22096
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
121-14-2	2,4-Dinitrotoluene	U	1100	1.0	330	1100	340
84-66-2	Diethylphthalate	U	1100	1.0	330	1100	360
86-73-7	Fluorene	J	680	1.0	330	1100	180
7005-72-3	4-Chlorophenyl-phenylether	U	1100	1.0	330	1100	170
100-01-6	4-Nitroaniline	U	2800	1.0	820	2800	300
534-52-1	4,6-Dinitro-2-Methylphenol	U	2800	1.0	820	2800	720
86-30-6	N-Nitrosodiphenylamine	U	1100	1.0	330	1100	250
103-33-3	Azobenzene	U	1100	1.0	330	1100	570
101-55-3	4-Bromophenyl-phenylether	U	1100	1.0	330	1100	190
118-74-1	Hexachlorobenzene	U	1100	1.0	330	1100	810
87-86-5	Pentachlorophenol	U	2800	1.0	820	2800	490
85-01-8	Phenanthrene		6800	1.0	330	1100	200
120-12-7	Anthracene		1700	1.0	330	1100	200
86-74-8	Carbazole	J	990	1.0	330	1100	210
84-74-2	Di-n-butylphthalate	U	1100	1.0	330	1100	290
206-44-0	Fluoranthene		9800	1.0	330	1100	240
92-87-5	Benzidine	U	2800	1.0	820	2800	1400
129-00-0	Pyrene		13000	1.0	330	1100	250
85-68-7	Butylbenzylphthalate	U	1100	1.0	330	1100	240
56-55-3	Benzo(a)anthracene		5200	1.0	330	1100	200
91-94-1	3,3'-Dichlorobenzidine	U	1100	1.0	330	1100	460
218-01-9	Chrysene		5400	1.0	330	1100	230
117-81-7	bis(2-Ethylhexyl)phthalate	J	510	1.0	330	1100	260
117-84-0	Di-n-octylphthalate	U	1100	1.0	330	1100	250
205-99-2	Benzo(b)fluoranthene		5800	1.0	330	1100	220
207-08-9	Benzo(k)fluoranthene		2700	1.0	330	1100	200
50-32-8	Benzo(a)pyrene		4400	1.0	330	1100	160
193-39-5	Indeno(1,2,3-cd)pyrene		3400	1.0	330	1100	460
53-70-3	Dibenzo(a,h)anthracene	J	600	1.0	330	1100	490
191-24-2	Benzo(g,h,i)perylene		3100	1.0	330	1100	450
367-12-4	2-Fluorophenol		61%				
13127-88-3	Phenol-D6		64%				
4165-60-0	Nitrobenzene-D5		56%				
321-60-8	2-Fluorobiphenyl		58%				
118-79-6	2,4,6-Tribromophenol		51%				
1718-51-0	Terphenyl-D14		76%				

Data File: \\Target_server\GG\chem\gcms-x.i\X103005.b\X9030.D
Report Date: 01-Nov-2005 11:26

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-x.i\X103005.b\X9030.D
Lab Smp Id: WV5605-7 Client Smp ID: SD-28-SS
Inj Date : 30-OCT-2005 23:39 MS Autotune Date: 01-SEP-2005 09:03
Operator : JCG Inst ID: gcms-x.i
Smp Info : WV5605-7
Misc Info : SW846 8270C
Comment :
Method : \\Target_server\GG\chem\gcms-x.i\X103005.b\x8270C49.m
Meth Date : 31-Oct-2005 08:17 cgomez Quant Type: ISTD
Cal Date : 29-OCT-2005 16:13 Cal File: X9011.D
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: tetratmid002.sub
Target Version: 4.12

Concentration Formula: Amt * DF * 1000*(Vt/Ws*Vi)*(100/(100-M)) * CpndVariab

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Volume of final extract (L)
Ws	0.03000	Weight of sample extracted (Kg)
Vi	1.000	Volume injected (uL)
M	71.103	% Moisture
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
$	7 2-Fluorophenol	112	5.866	5.883	(0.685)	482306	61.4407	7090
$	12 Phenol-D6	99	7.918	7.934	(0.925)	596433	63.8133	7360
*	18 1,4-Dichlorobenzene-D4	152	8.559	8.566	(1.000)	383468	40.0000	
$	33 Nitrobenzene-D5	82	9.804	9.820	(0.859)	265334	27.9419	3220
*	44 Naphthalene-D8	136	11.417	11.424	(1.000)	1285891	40.0000	
	45 Naphthalene	128	11.456	11.473	(1.003)	64134	2.53850	293(a)
$	62 2-Fluorobiphenyl	172	14.042	14.049	(0.903)	508788	28.7849	3320
*	77 Acenaphthene-D10	164	15.549	15.556	(1.000)	655074	40.0000	
	79 Acenaphthene	153	15.617	15.633	(1.004)	104829	6.85146	790(a)
	82 Dibenzofuran	168	16.045	16.052	(1.032)	62088	2.95284	341(a)
	90 Fluorene	166	16.861	16.868	(1.084)	97953	5.93181	684(a)
$	100 2,4,6-Tribromophenol	330	17.435	17.442	(1.121)	172181	51.2778	5920
*	114 Phenanthrene-D10	188	19.068	19.075	(1.000)	866277	40.0000	
	115 Phenanthrene	178	19.127	19.124	(1.003)	1073413	58.8550	6790
	118 Anthracene	178	19.243	19.250	(1.009)	260337	14.8602	1710
	119 Carbazole	167	19.700	19.707	(1.033)	124944	8.55788	987(a)
	126 Fluoranthene	202	21.956	21.953	(1.151)	1497284	85.1735	9820
	128 Pyrene	202	22.461	22.458	(0.885)	1189745	114.683	13200
$	129 Terphenyl-D14	244	22.996	23.002	(0.906)	277871	37.9062	4370
	139 Benzo(a)anthracene	228	25.348	25.355	(0.999)	341165	45.2635	5220
*	140 Chrysene-D12	240	25.368	25.375	(1.000)	313753	40.0000	

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project MIDDLE RIVER SDG No.: MID-6

Instrument ID: GCMS-X Calibration Date(s): 10/29/05 10/29/05

Column: DB5-MS ID: 0.25 (mm) Calibration Time(s): 1223 1613

LAB FILE ID: RF10: X9011 RF25: X9010 RF50: X9006
RF100: X9009 RF125: X9008 RF150: X9007

COMPOUND	RF10	RF25	RF50	RF100	RF125	RF150	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2	
Diethylphthalate	1.064	1.082	1.144	0.983	1.065	0.978	AVRG		1.05279185		6.003	15.000	
Fluorene	1.101	1.073	1.118	0.968	0.960	0.830	AVRG		1.00832418		10.901	15.000	
4-Chlorophenyl-phenylethe	0.613	0.577	0.578	0.535	0.531	0.483	AVRG		0.55280664		8.286	15.000	
4-Nitroaniline	0.214	0.214	0.272	0.219	0.240	0.218	AVRG		0.22965939		10.044	15.000	
4,6-Dinitro-2-Methylpheno	21418	68051	213980	351020	650340	981700	LINR	4.223e-002	7.73782906		0.99916	0.99000	
N-Nitrosodiphenylamine	0.520	0.523	0.525	0.458	0.468	0.443	AVRG		0.48958510		7.641	15.000	
Azobenzene	0.628	0.600	0.581	0.537	0.581	0.614	AVRG		0.59025849		5.426	15.000	
4-Bromophenyl-phenylether	0.250	0.221	0.214	0.213	0.190	0.182	AVRG		0.21146296		11.453	15.000	
Hexachlorobenzene	0.294	0.289	0.261	0.261	0.237	0.232	AVRG		0.26265862		9.734	15.000	
Pentachlorophenol	0.073	0.110	0.111	0.111	0.110	0.112	AVRG		0.10448754		14.561	15.000	
Phenanthrene	0.939	0.897	0.891	0.795	0.786	0.746	AVRG		0.84214505		9.093	15.000	
Anthracene	0.953	0.909	0.908	0.793	0.699	0.591	AVRG		0.80893828		17.534	15.000	<
Carbazole	0.714	0.709	0.795	0.641	0.621	0.564	AVRG		0.67414394		12.160	15.000	
Di-n-butylphthalate	0.928	1.023	1.084	0.900	0.874	0.848	AVRG		0.94288962		9.709	15.000	
Fluoranthene	0.875	0.910	0.930	0.809	0.708	0.638	AVRG		0.81171407		14.396	15.000	
Benzidine	0.198	0.226	0.321	0.201	0.214	0.208	AVRG		0.22810603		20.501	15.000	<
Pyrene	1.207	1.116	1.233	1.187	1.665	1.528	AVRG		1.32259520		16.624	15.000	<
Butylbenzylphthalate	0.462	0.486	0.553	0.454	0.591	0.542	AVRG		0.51463995		10.786	15.000	
Benzo(a)anthracene	0.930	0.948	1.010	0.903	1.034	0.941	AVRG		0.96092368		5.227	15.000	
3,3'-Dichlorobenzidine	0.299	0.331	0.340	0.307	0.310	0.290	AVRG		0.31301585		6.148	15.000	
Chrysene	0.977	0.961	0.928	0.882	0.978	0.883	AVRG		0.93482747		4.767	15.000	
bis(2-Ethylhexyl)phthalat	0.627	0.652	0.762	0.606	0.767	0.745	AVRG		0.69337204		10.491	15.000	
Di-n-octylphthalate	187970	552280	1693800	1769300	1934200	3498300	2ORDR	-1.94e-003	0.74187120	-2.73e-002	0.99345	0.99000	
Benzo(b)fluoranthene	1.232	1.200	1.268	1.176	1.242	1.278	AVRG		1.23254146		3.186	15.000	
Benzo(k)fluoranthene	1.221	1.204	1.323	1.237	1.266	1.304	AVRG		1.25927487		3.745	15.000	
Benzo(a)pyrene	1.061	1.044	1.061	1.016	1.132	1.103	AVRG		1.06942364		3.904	15.000	
Indeno(1,2,3-cd)pyrene	0.790	0.726	0.675	0.745	0.825	0.811	AVRG		0.76183914		7.523	15.000	
Dibenzo(a,h)anthracene	0.870	0.830	0.740	0.792	0.843	0.826	AVRG		0.81690918		5.534	15.000	
Benzo(g,h,i)perylene	0.919	0.781	0.742	0.780	0.882	0.852	AVRG		0.82613431		8.314	15.000	
2-Fluorophenol	0.884	0.853	0.868	0.751	0.793	0.764	AVRG		0.81883748		6.919	15.000	
Phenol-D6	1.139	1.018	1.053	0.828	0.942	0.870	AVRG		0.97494729		12.021	15.000	
Nitrobenzene-D5	0.303	0.312	0.305	0.285	0.286	0.280	AVRG		0.29538846		4.424	15.000	
2-Fluorobiphenyl	1.193	1.136	1.094	1.065	1.021	0.967	AVRG		1.07929813		7.482	15.000	
2,4,6-Tribromophenol	0.197	0.227	0.197	0.225	0.198	0.186	AVRG		0.20503395		8.235	15.000	
Terphenyl-D14	0.809	0.830	0.836	0.892	1.221	1.019	AVRG		0.93455565		17.090	15.000	<

FORM 8
SEMIVOLATILE ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: MIDDLE RIVER SDG No.: MID-6

GC Column: RTX-5 ID: 0.53 (mm) Init. Calib. Date(s): 10/10/05 10/11/05

Instrument ID: GC06

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 6.06 DCB: 19.29

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01		AR1660 1.0PP	10/10/05	2034	6.06	19.29
02		AR1660 0.05P	10/10/05	2103	6.05	19.30
03		AR1660 0.1PP	10/10/05	2131	6.06	19.30
04		AR1660 0.25P	10/10/05	2159	6.06	19.29
05		AR1660 2.5PP	10/10/05	2228	6.06	19.29
06		AR1660 10PPM	10/10/05	2256	6.06	19.29
07		AR1016 1.0PP	10/10/05	2325		
08		AR1260 1.0PP	10/10/05	2353		
09		AR1242 1.0PP	10/11/05	0021		
10		AR1248 1.0PP	10/11/05	0311		
11		AR1254 1.0PP	10/11/05	0601		
12		AR1221 1.0PP	10/11/05	0851		
13		AR1232 1.0PP	10/11/05	0919		
14						
15						
16						
17						
18						
19						
20						

QC LIMITS

TCX = Tetrachloro-m-xylene (+/- 0.07 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: MIDDLE RIVER SDG No.: MID-6

GC Column: RTX-35 ID: 0.53 (mm) Init. Calib. Date(s): 10/10/05 10/11/05

Instrument ID: GC06

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 4.84 DCB: 18.20

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01		AR1660 1.0PP	10/10/05	2034	4.84	18.20
02		AR1660 0.05P	10/10/05	2103	4.84	18.20
03		AR1660 0.1PP	10/10/05	2131	4.84	18.20
04		AR1660 0.25P	10/10/05	2159	4.84	18.20
05		AR1660 2.5PP	10/10/05	2228	4.84	18.20
06		AR1660 10PPM	10/10/05	2256	4.84	18.20
07		AR1016 1.0PP	10/10/05	2325		
08		AR1260 1.0PP	10/10/05	2353		
09		AR1242 1.0PP	10/11/05	0021		
10		AR1248 1.0PP	10/11/05	0311		
11		AR1254 1.0PP	10/11/05	0601		
12		AR1221 1.0PP	10/11/05	0851		
13		AR1232 1.0PP	10/11/05	0919		
14						
15						
16						
17						
18						
19						
20						

QC LIMITS
TCX = Tetrachloro-m-xylene (+/- 0.07 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: MIDDLE RIVER SDG No.: MID-6

GC Column: RTX-5 ID: 0.53 (mm) Init. Calib. Date(s): 10/10/05 10/11/05

Instrument ID: GC06

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 6.53 DCB: 19.82

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01		AR1660 1.0PP	10/27/05	1236	6.53	19.82
02	WG21992-BLAN	WG21992-1RA	10/27/05	1805	6.53	19.82
03	WG21992-LCS	WG21992-2RA	10/27/05	1834	6.52	19.81
04	WG21992-LCSD	WG21992-3RA	10/27/05	1902	6.53	19.81
05	SD-24-SS	WV5605-1	10/28/05	0205	6.52	19.81
06		AR1660 025PP	10/28/05	0359	6.53	19.82
07		AR1660 1.0PP	10/30/05	1309	6.53	19.82
08	WG22135-BLAN	WG22135-1	10/30/05	1634	6.53	19.82
09	WG22135-LCS	WG22135-2	10/30/05	1702	6.53	19.81
10	SD-25-SS	WV5605-2	10/30/05	2214	6.52	19.81
11	SD-26-SS	WV5605-3	10/30/05	2242	6.52	19.81
12	SD-27-01	WV5605-5	10/30/05	2339	6.52	19.81
13	SD-27-02	WV5605-6	10/31/05	0007	6.52	19.81
14		AR1660 0.25P	10/31/05	0229	6.52	19.81
15		AR1660 1.0PP	10/31/05	1000	6.52	19.81
16	SD-27-SS	WV5605-4DL	10/31/05	1459		
17	SD-28-SS	WV5605-7	10/31/05	1527	6.53	19.81
18	SD-28-01	WV5605-8	10/31/05	1555	6.52	19.81
19	SD-28-02	WV5605-9	10/31/05	1624	6.52	19.81
20	SD-29-SS	WV5605-10	10/31/05	1652	6.52	19.81

QC LIMITS

TCX = Tetrachloro-m-xylene (+/- 0.07 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: MIDDLE RIVER SDG No.: MID-6

GC Column: RTX-5 ID: 0.53 (mm) Init. Calib. Date(s): 10/10/05 10/11/05

Instrument ID: GC06

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 6.53 DCB: 19.82

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01		AR1660 1.0PP	11/01/05	1054	6.54	19.83
02	SD-29-01	WV5605-11	11/01/05	1319	6.54	19.82
03	SD-29-02	WV5605-12	11/01/05	1348	6.53	19.82
04	SD-30-SS	WV5605-13	11/01/05	1416	6.53	19.82
05	SD-31-SS	WV5605-14	11/01/05	1444	6.53	19.82
06	SD-31-01	WV5605-15	11/01/05	1513	6.53	19.82
07	SD-31-02	WV5605-16	11/01/05	1541	6.53	19.82
08	SD-33-SS	WV5605-18	11/01/05	1638	6.52	19.82
09	SD-34-SS	WV5605-19	11/01/05	1706	6.53	19.82
10	SD-35-SS	WV5605-20	11/01/05	1734	6.53	19.82
11	SD-32-SS	WV5605-17	11/01/05	2120	6.53	19.81
12		AR1660 0.25P	11/01/05	2245	6.53	19.82
13		AR1660 1.0PP	11/02/05	1422	6.53	19.82
14	SD-25-SSMS	WG22135-3	11/02/05	1530	6.54	19.82
15	SD-25-SSMSD	WG22135-4	11/02/05	1558	6.53	19.82
16	SD-27-SSMS	WG22135-5	11/02/05	1626	6.53	19.82
17	SD-27-SSMSD	WG22135-6	11/02/05	1654	6.53	19.81
18	SD-31-02MS	WG22135-7	11/02/05	1722	6.53	19.81
19	SD-31-02MSD	WG22135-8	11/02/05	1751	6.53	19.81
20		AR1660 1.0PP	11/03/05	1001	6.53	19.82

QC LIMITS
TCX = Tetrachloro-m-xylene (+/- 0.07 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: MIDDLE RIVER SDG No.: MID-6

GC Column: RTX-35 ID: 0.53 (mm) Init. Calib. Date(s): 10/10/05 10/11/05

Instrument ID: GC06

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

	MEAN SURROGATE RT FROM INITIAL CALIBRATION TCX: 5.21 DCB: 18.63					
	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01		AR1660 1.0PP	10/27/05	1236	5.22	18.64
02	WG21992-BLAN	WG21992-1RA	10/27/05	1805	5.22	18.64
03	WG21992-LCS	WG21992-2RA	10/27/05	1834	5.22	18.63
04	WG21992-LCSD	WG21992-3RA	10/27/05	1902	5.22	18.63
05	SD-24-SS	WV5605-1	10/28/05	0205	5.22	18.63
06		AR1660 025PP	10/28/05	0359	5.21	18.63
07		AR1660 1.0PP	10/30/05	1309	5.21	18.64
08	WG22135-BLAN	WG22135-1	10/30/05	1634	5.21	18.63
09	WG22135-LCS	WG22135-2	10/30/05	1702	5.21	18.63
10	SD-25-SS	WV5605-2	10/30/05	2214	5.21	18.63
11	SD-26-SS	WV5605-3	10/30/05	2242	5.21	18.63
12	SD-27-01	WV5605-5	10/30/05	2339	5.21	18.63
13	SD-27-02	WV5605-6	10/31/05	0007	5.21	18.63
14		AR1660 0.25P	10/31/05	0229	5.21	18.63
15		AR1660 1.0PP	10/31/05	1000	5.21	18.63
16	SD-27-SS	WV5605-4DL	10/31/05	1459		
17	SD-28-SS	WV5605-7	10/31/05	1527	5.21	18.63
18	SD-28-01	WV5605-8	10/31/05	1555	5.21	18.64
19	SD-28-02	WV5605-9	10/31/05	1624	5.21	18.63
20	SD-29-SS	WV5605-10	10/31/05	1652	5.21	18.63

QC LIMITS

TCX = Tetrachloro-m-xylene (+/- 0.07 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: MIDDLE RIVER SDG No.: MID-6

GC Column: RTX-35 ID: 0.53 (mm) Init. Calib. Date(s): 10/10/05 10/11/05

Instrument ID: GC06

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 5.21 DCB: 18.63

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01		AR1660 1.0PP	11/01/05	1054	5.20	18.64
02	SD-29-01	WV5605-11	11/01/05	1319	5.20	18.63
03	SD-29-02	WV5605-12	11/01/05	1348	5.22	18.63
04	SD-30-SS	WV5605-13	11/01/05	1416	5.21	18.63
05	SD-31-SS	WV5605-14	11/01/05	1444	5.21	18.63
06	SD-31-01	WV5605-15	11/01/05	1513	5.21	18.63
07	SD-31-02	WV5605-16	11/01/05	1541	5.21	18.63
08	SD-33-SS	WV5605-18	11/01/05	1638	5.21	18.63
09	SD-34-SS	WV5605-19	11/01/05	1706	5.21	18.63
10	SD-35-SS	WV5605-20	11/01/05	1734	5.21	18.63
11	SD-32-SS	WV5605-17	11/01/05	2120	5.21	18.63
12		AR1660 0.25P	11/01/05	2245	5.21	18.63
13		AR1660 1.0PP	11/02/05	1422	5.22	18.63
14	SD-25-SSMS	WG22135-3	11/02/05	1530	5.21	18.63
15	SD-25-SSMSD	WG22135-4	11/02/05	1558	5.21	18.63
16	SD-27-SSMS	WG22135-5	11/02/05	1626	5.21	18.63
17	SD-27-SSMSD	WG22135-6	11/02/05	1654	5.21	18.63
18	SD-31-02MS	WG22135-7	11/02/05	1722	5.21	18.63
19	SD-31-02MSD	WG22135-8	11/02/05	1751	5.22	18.63
20		AR1660 1.0PP	11/03/05	1001	5.21	18.63

QC LIMITS
TCX = Tetrachloro-m-xylene (+/- 0.07 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project MIDDLE RIVER SDG No.: MID-6

Instrument ID: GC06 Calibration Date(s): 10/10/05 10/11/05

Column: RTX-5 ID: 0.53 (mm) Calibration Time(s): 2034 1140

LAB FILE ID: RF0.05: 6VJ1106 RF0.1: 6VJ1107 RF0.25: 6VJ1108
RF1: 6VJ1105 RF2.5: 6VJ1109 RF10: 6VJ1110

COMPOUND	RF0.05	RF0.1	RF0.25	RF1	RF2.5	RF10	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2	
Aroclor-1016	1069	2081	5396	18023	40757	130140	2ORDR	-1.86e-002	5.435e-005	1.74e-010	0.99998	0.99000	
(2)	2672	5159	13376	44287	99125	318930	2ORDR	-2.26e-002	2.245e-005	2.815e-011	0.99996	0.99000	
(3)	1334	2588	6670	22202	50103	161280	2ORDR	-2.07e-002	4.45e-005	1.094e-010	0.99997	0.99000	
(4)	770	1522	4046	14347	34107	114810	2ORDR	-7.19e-003	6.766e-005	1.699e-010	0.99999	0.99000	
(5)	811	1578	4066	13037	28989	92624	2ORDR	-2.68e-002	7.642e-005	3.438e-010	0.99995	0.99000	
Aroclor-1221				3422			2ORDR	0.00000000	2.922e-004	0.00000000	1.00000	0.99000	<
(2)				8299			2ORDR	0.00000000	1.205e-004	0.00000000	1.00000	0.99000	<
(3)				6013			2ORDR	0.00000000	1.663e-004	0.00000000	1.00000	0.99000	<
(4)				19101			2ORDR	0.00000000	5.235e-005	0.00000000	1.00000	0.99000	<
Aroclor-1232	1226	3201	5248	15205	34204	106860	2ORDR	-5.61e-002	6.505e-005	2.721e-010	0.99989	0.99000	
(2)	586	1613	2747	8212	19202	62614	2ORDR	-4.5e-002	1.199e-004	6.47e-010	0.99991	0.99000	
(3)	1403	3785	6525	19637	45941	149720	2ORDR	-4.35e-002	5.008e-005	1.136e-010	0.99992	0.99000	
(4)	706	1941	3393	9964	23245	76392	2ORDR	-4.73e-002	9.959e-005	4.181e-010	0.99990	0.99000	
(5)	411	1146	2088	6285	15493	53699	2ORDR	-3.44e-002	1.548e-004	5.961e-010	0.99992	0.99000	
Aroclor-1242	1085	2102	4767	16588	36682	111790	2ORDR	-1.88e-002	5.787e-005	2.841e-010	0.99998	0.99000	
(2)	844	1693	3875	14216	32378	102590	2ORDR	-1.16e-002	6.796e-005	2.888e-010	0.99999	0.99000	
(3)	2058	4073	9385	34896	78491	250160	2ORDR	-1.3e-002	2.808e-005	4.777e-011	0.99999	0.99000	
(4)	1037	2079	4751	17648	39702	126820	2ORDR	-1.35e-002	5.563e-005	1.84e-010	0.99998	0.99000	
(5)	626	1235	2847	11387	26412	90883	2ORDR	-7.64e-003	8.802e-005	2.432e-010	0.99999	0.99000	
Aroclor-1248	1266	2604	5892	22384	47522	152470	2ORDR	-2.19e-002	4.602e-005	1.294e-010	0.99990	0.99000	
(2)	1229	2495	5745	22467	48536	159390	2ORDR	-1.78e-002	4.593e-005	1.062e-010	0.99992	0.99000	
(3)	1526	3007	6964	26766	57702	188730	2ORDR	-1.98e-002	3.855e-005	7.708e-011	0.99992	0.99000	
(4)	1662	3293	7568	29175	62897	205820	2ORDR	-1.98e-002	3.538e-005	6.466e-011	0.99992	0.99000	
(5)	1220	2442	5660	23196	52152	176630	2ORDR	-8.98e-003	4.386e-005	7.257e-011	0.99996	0.99000	
Aroclor-1254	2244	4153	9519	33359	73922	233910	2ORDR	-2.28e-002	2.97e-005	5.623e-011	0.99997	0.99000	
(2)	1278	2390	5674	21516	50901	165740	2ORDR	-3.64e-003	4.431e-005	9.684e-011	1.00000	0.99000	
(3)	2365	4433	10568	38454	87851	281160	2ORDR	-1.23e-002	2.526e-005	3.682e-011	0.99999	0.99000	
(4)	2136	4059	9411	34099	78106	251650	2ORDR	-1.4e-002	2.86e-005	4.449e-011	0.99999	0.99000	
(5)	1377	2647	6266	24188	56795	190240	2ORDR	-5.76e-003	4.039e-005	6.415e-011	1.00000	0.99000	
Aroclor-1260	1264	2374	6206	20526	46887	150500	2ORDR	-1.86e-002	4.756e-005	1.263e-010	0.99998	0.99000	
(2)	1165	2322	6152	21102	48855	161370	2ORDR	-1.38e-002	4.655e-005	9.61e-011	0.99998	0.99000	
(3)	2668	5160	13478	45775	105460	354220	2ORDR	-1.85e-002	2.182e-005	1.826e-011	0.99998	0.99000	
(4)	1310	2610	7082	24569	57916	193050	2ORDR	-9.12e-003	3.957e-005	6.362e-011	0.99999	0.99000	
(5)	583	1182	3319	11654	27698	93629	2ORDR	-6.11e-003	8.342e-005	2.504e-010	0.99999	0.99000	
Tetrachloro-m-xylene	430	1289	3721	13911	31340	122140	2ORDR	-2.91e-004	1.556e-006	6.869e-013	0.99988	0.99000	
Decachlorobiphenyl	515	1082	3026	10333	23947	79174	2ORDR	-2.23e-004	1.897e-006	7.979e-012	0.99998	0.99000	

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project MIDDLE RIVER SDG No.: MID-6

Instrument ID: GC06 Calibration Date(s): 10/10/05 10/11/05

Column: RTX-35 ID: 0.53 (mm) Calibration Time(s): 2034 1140

LAB FILE ID: RF0.05: 6VJ2106 RF0.1: 6VJ2107 RF0.25: 6VJ2108
RF1: 6VJ2105 RF2.5: 6VJ2109 RF10: 6VJ2110

COMPOUND	RF0.05	RF0.1	RF0.25	RF1	RF2.5	RF10	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2	
Aroclor-1016	5000	9466	23604	69798	149910	436980	2ORDR	-3.18e-002	1.351e-005	2.162e-011	0.99994	0.99000	
(2)	1921	3693	9896	29745	66039	194490	2ORDR	-2.14e-002	3.114e-005	1.049e-010	0.99996	0.99000	
(3)	8454	16093	39673	122240	266670	814930	2ORDR	-3.19e-002	7.997e-006	5.295e-012	0.99995	0.99000	
(4)	3355	6368	16451	50037	110430	335430	2ORDR	-2.79e-002	1.922e-005	3.183e-011	0.99995	0.99000	
(5)	2405	4626	12374	39115	89105	276720	2ORDR	-1.86e-002	2.438e-005	4.276e-011	0.99997	0.99000	
Aroclor-1221				25196			2ORDR	0.00000000	3.969e-005	0.00000000	1.00000	0.99000	<
(2)				17571			2ORDR	0.00000000	5.691e-005	0.00000000	1.00000	0.99000	<
(3)				49180			2ORDR	0.00000000	2.033e-005	0.00000000	1.00000	0.99000	<
(4)				13594			2ORDR	0.00000000	7.356e-005	0.00000000	1.00000	0.99000	<
Aroclor-1232	3544	9235	14360	40418	87611	255800	2ORDR	-6.1e-002	2.369e-005	6.117e-011	0.99987	0.99000	
(2)	3193	7887	13083	36480	78877	233770	2ORDR	-6.22e-002	2.67e-005	6.993e-011	0.99987	0.99000	
(3)	1349	3035	5198	15020	33278	100300	2ORDR	-5.44e-002	6.458e-005	3.556e-010	0.99991	0.99000	
(4)	2070	5093	8498	24655	54563	168740	2ORDR	-5.81e-002	4.031e-005	1.144e-010	0.99989	0.99000	
(5)	1584	3943	6585	18823	41338	125060	2ORDR	-5.8e-002	5.209e-005	2.267e-010	0.99989	0.99000	
Aroclor-1242	3983	10209	17055	59246	122940	358910	2ORDR	-3.57e-002	1.638e-005	3.227e-011	0.99992	0.99000	
(2)	6765	14984	28578	100020	215940	652830	2ORDR	-2.81e-002	9.746e-006	8.604e-012	0.99996	0.99000	
(3)	2741	7258	11683	42336	89727	270580	2ORDR	-3.34e-002	2.334e-005	5.082e-011	0.99992	0.99000	
(4)	2326	6354	9921	35448	74039	221550	2ORDR	-3.8e-002	2.801e-005	7.813e-011	0.99990	0.99000	
(5)	2659	6756	11465	41532	89057	271980	2ORDR	-3.08e-002	2.384e-005	4.797e-011	0.99994	0.99000	
Aroclor-1248	4025	7548	16719	59250	120640	364050	2ORDR	-3.17e-002	1.708e-005	2.88e-011	0.99987	0.99000	
(2)	2872	5166	11892	44020	92094	284190	2ORDR	-2.4e-002	2.295e-005	4.339e-011	0.99991	0.99000	
(3)	4640	8480	19155	69056	144230	448740	2ORDR	-2.9e-002	1.479e-005	1.685e-011	0.99989	0.99000	
(4)	3939	7350	16822	62005	130050	406510	2ORDR	-2.53e-002	1.645e-005	2.021e-011	0.99990	0.99000	
(5)	4344	8189	18491	62908	147240	462990	2ORDR	-1.52e-002	1.5e-005	1.431e-011	0.99999	0.99000	
Aroclor-1254	1565	3014	7152	24791	54258	167220	2ORDR	-2.05e-002	3.94e-005	1.228e-010	0.99997	0.99000	
(2)	1818	3547	8223	28432	62594	194200	2ORDR	-2.15e-002	3.443e-005	8.845e-011	0.99997	0.99000	
(3)	3537	6590	15090	52806	117330	370510	2ORDR	-2.21e-002	1.869e-005	2.257e-011	0.99998	0.99000	
(4)	6657	12373	27776	95203	209050	650640	2ORDR	-2.59e-002	1.036e-005	7.764e-012	0.99997	0.99000	
(5)	6222	11782	26099	89616	196540	611610	2ORDR	-2.63e-002	1.102e-005	8.797e-012	0.99997	0.99000	
Aroclor-1260	4986	9467	23793	75140	168460	535210	2ORDR	-2.79e-002	1.314e-005	1.046e-011	0.99996	0.99000	
(2)	3787	7269	18373	58452	132020	421000	2ORDR	-2.56e-002	1.683e-005	1.661e-011	0.99996	0.99000	
(3)	7436	14126	35264	113550	257180	843760	2ORDR	-2.78e-002	8.826e-006	3.627e-012	0.99996	0.99000	
(4)	4171	8014	20428	66302	150020	493210	2ORDR	-2.61e-002	1.513e-005	1.055e-011	0.99996	0.99000	
(5)	1730	3345	8803	28828	65572	218880	2ORDR	-2.4e-002	3.494e-005	4.96e-011	0.99996	0.99000	
Tetrachloro-m-xylene	5104	5865	14209	46272	105060	337130	2ORDR	-7.31e-004	4.291e-007	4.936e-013	0.99996	0.99000	
Decachlorobiphenyl	1425	2806	7297	23421	52555	166980	2ORDR	-4.72e-004	8.402e-007	2.159e-012	0.99996	0.99000	

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: MIDDLE RIVER SDG No.: MID-6

Instrument ID: GC06 Calibration Date: 10/10/05 Time: 2325

Lab File ID: 6VJ1084 Init. Calib. Date(s): 10/10/05 10/11/05

Init. Calib. Times: 2034 1140

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Aroclor-1016	1.1027000	1.0000000	19423.000	0.01	10.27	15.00	2RDR
(2)	1.1112000	1.0000000	47648.000	0.01	11.12	15.00	2RDR
(3)	1.1090000	1.0000000	23976.000	0.01	10.90	15.00	2RDR
(4)	1.1021000	1.0000000	15771.000	0.01	10.21	15.00	2RDR
(5)	1.0818000	1.0000000	13666.000	0.01	8.18	15.00	2RDR
Average %D: 10.140							

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: MIDDLE RIVER SDG No.: MID-6

Instrument ID: GC06 Calibration Date: 10/10/05 Time: 2325

Lab File ID: 6VJ2084 Init. Calib. Date(s): 10/10/05 10/11/05

Init. Calib. Times: 2034 1140

GC Column: RTX-35 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Aroclor-1016	1.1367000	1.0000000	76994.000	0.01	13.67	15.00	2RDR
(2)	1.1490000	1.0000000	33757.000	0.01	14.90	15.00	2RDR
(3)	1.1240000	1.0000000	132860.00	0.01	12.40	15.00	2RDR
(4)	1.1325000	1.0000000	55303.000	0.01	13.25	15.00	2RDR
(5)	1.1298000	1.0000000	43760.000	0.01	12.98	15.00	2RDR
Average %D: 13.440							

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: MIDDLE RIVER SDG No.: MID-6

Instrument ID: GC06 Calibration Date: 10/10/05 Time: 2353

Lab File ID: 6VJ1085 Init. Calib. Date(s): 10/10/05 10/11/05

Init. Calib. Times: 2034 1140

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Aroclor-1260	1.0812000	1.0000000	21857.000	0.01	8.12	15.00	2RDR
(2)	1.1024000	1.0000000	22895.000	0.01	10.24	15.00	2RDR
(3)	1.0990000	1.0000000	49191.000	0.01	9.90	15.00	2RDR
(4)	1.0827000	1.0000000	26468.000	0.01	8.27	15.00	2RDR
(5)	1.0860000	1.0000000	12614.000	0.01	8.60	15.00	2RDR
Average %D: 9.0300							

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: MIDDLE RIVER SDG No.: MID-6

Instrument ID: GC06 Calibration Date: 10/10/05 Time: 2353

Lab File ID: 6VJ2085 Init. Calib. Date(s): 10/10/05 10/11/05

Init. Calib. Times: 2034 1140

GC Column: RTX-35 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Aroclor-1260	1.0961000	1.0000000	80408.000	0.01	9.61	15.00	2RDR
(2)	1.0978000	1.0000000	62873.000	0.01	9.78	15.00	2RDR
(3)	1.0946000	1.0000000	121150.00	0.01	9.46	15.00	2RDR
(4)	1.1043000	1.0000000	71189.000	0.01	10.43	15.00	2RDR
(5)	1.1209000	1.0000000	31366.000	0.01	12.09	15.00	2RDR
Average %D: 10.270							

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: MIDDLE RIVER SDG No.: MID-6

Instrument ID: GC06 Calibration Date: 10/27/05 Time: 1236

Lab File ID: 6VJ7002 Init. Calib. Date(s): 10/10/05 10/10/05

Init. Calib. Times: 2034 2256

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Aroclor-1016	0.9940800	1.0000000	17637.000	0.01	-0.59	15.00	2RDR
(2)	0.9845500	1.0000000	42581.000	0.01	-1.54	15.00	2RDR
(3)	1.0130000	1.0000000	22036.000	0.01	1.30	15.00	2RDR
(4)	0.9860600	1.0000000	14176.000	0.01	-1.39	15.00	2RDR
(5)	1.0447000	1.0000000	13233.000	0.01	4.47	15.00	2RDR
Average %D: 0.4500							
Aroclor-1260	1.0024000	1.0000000	20368.000	0.01	0.24	15.00	2RDR
(2)	0.9703100	1.0000000	20289.000	0.01	-2.97	15.00	2RDR
(3)	0.9741800	1.0000000	43883.000	0.01	-2.58	15.00	2RDR
(4)	1.0039000	1.0000000	24629.000	0.01	0.39	15.00	2RDR
(5)	1.0376000	1.0000000	12073.000	0.01	3.76	15.00	2RDR
Average %D: -0.230							
Tetrachloro-m-xylene	2.04e-002	2.e-002	659650.00	0.01	2.00	15.00	2RDR
Decachlorobiphenyl	2.24e-002	2.e-002	567850.00	0.01	12.00	15.00	2RDR

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: MIDDLE RIVER SDG No.: MID-6

Instrument ID: GC06 Calibration Date: 10/27/05 Time: 1236

Lab File ID: 6VJ8002 Init. Calib. Date(s): 10/10/05 10/10/05

Init. Calib. Times: 2034 2256

GC Column: RTX-35 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Aroclor-1016	1.0420000	1.0000000	71327.000	0.01	4.20	15.00	2RDR	
(2)	1.0648000	1.0000000	31535.000	0.01	6.48	15.00	2RDR	
(3)	1.0524000	1.0000000	125200.00	0.01	5.24	15.00	2RDR	
(4)	1.0727000	1.0000000	52662.000	0.01	7.27	15.00	2RDR	
(5)	1.0644000	1.0000000	41421.000	0.01	6.44	15.00	2RDR	
Average %D: 5.9300								
Aroclor-1260	1.0897000	1.0000000	79970.000	0.01	8.97	15.00	2RDR	
(2)	1.1088000	1.0000000	63451.000	0.01	10.88	15.00	2RDR	
(3)	1.1158000	1.0000000	123320.00	0.01	11.58	15.00	2RDR	
(4)	1.1101000	1.0000000	71528.000	0.01	11.01	15.00	2RDR	
(5)	1.1279000	1.0000000	31550.000	0.01	12.79	15.00	2RDR	
Average %D: 11.040								
Tetrachloro-m-xylene	1.76e-002	2.e-002	2042800.0	0.01	-12.00	15.00	2RDR	
Decachlorobiphenyl	2.39e-002	2.e-002	1356400.0	0.01	19.50	15.00	2RDR	<-

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: MIDDLE RIVER SDG No.: MID-6

Instrument ID: GC06 Calibration Date: 10/28/05 Time: 0359

Lab File ID: 6VJ7034 Init. Calib. Date(s): 10/10/05 10/10/05

Init. Calib. Times: 2034 2256

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF0.2500 or AMOUNT	CCAL RRF0.2500	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Aroclor-1016	0.2878100	0.2500000	22160.000	0.01	15.12	15.00	2RDR	<
(2)	0.2860800	0.2500000	54068.000	0.01	14.43	15.00	2RDR	
(3)	0.2940300	0.2500000	27816.000	0.01	17.61	15.00	2RDR	<- 16.18
(4)	0.2821000	0.2500000	16924.000	0.01	12.84	15.00	2RDR	
(5)	0.3102500	0.2500000	17304.000	0.01	24.10	15.00	2RDR	<-
Average %D: 16.840								
Aroclor-1260	0.2752400	0.2500000	24324.000	0.01	10.10	15.00	2RDR	
(2)	0.2704000	0.2500000	24116.000	0.01	8.16	15.00	2RDR	
(3)	0.2746900	0.2500000	53156.000	0.01	9.88	15.00	2RDR	
(4)	0.2642800	0.2500000	27340.000	0.01	5.71	15.00	2RDR	
(5)	0.2663900	0.2500000	12940.000	0.01	6.56	15.00	2RDR	
Average %D: 8.0800								
Tetrachloro-m-xylene	5.16e-003	5.e-003	699800.00	0.01	3.20	15.00	2RDR	<-
Decachlorobiphenyl	5.35e-003	5.e-003	580200.00	0.01	7.00	15.00	2RDR	<-

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: MIDDLE RIVER SDG No.: MID-6

Instrument ID: GC06 Calibration Date: 10/28/05 Time: 0359

Lab File ID: 6VJ8034 Init. Calib. Date(s): 10/10/05 10/10/05

Init. Calib. Times: 2034 2256

GC Column: RTX-35 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF0.2500 or AMOUNT	CCAL RRF0.2500	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Aroclor-1016	0.3053400	0.2500000	96108.000	0.01	22.14	15.00	2RDR	<-
(2)	0.3093400	0.2500000	41068.000	0.01	23.74	15.00	2RDR	<-
(3)	0.3104000	0.2500000	166600.00	0.01	24.16	15.00	2RDR	<-
(4)	0.3192400	0.2500000	70196.000	0.01	27.70	15.00	2RDR	<-
(5)	0.3065600	0.2500000	52168.000	0.01	22.62	15.00	2RDR	<-
Average %D: 24.080								
Aroclor-1260	0.3049600	0.2500000	99380.000	0.01	21.98	15.00	2RDR	<-
(2)	0.3054800	0.2500000	77248.000	0.01	22.19	15.00	2RDR	<-
(3)	0.3065100	0.2500000	149230.00	0.01	22.60	15.00	2RDR	<-
(4)	0.2916400	0.2500000	82804.000	0.01	16.66	15.00	2RDR	<-
(5)	0.2806100	0.2500000	34448.000	0.01	12.24	15.00	2RDR	<-
Average %D: 19.120								
Tetrachloro-m-xylene	4.65e-003	5.e-003	2471600.0	0.01	-7.00	15.00	2RDR	<-
Decachlorobiphenyl	5.59e-003	5.e-003	1417800.0	0.01	11.80	15.00	2RDR	<-

24.1

19.13

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: MIDDLE RIVER SDG No.: MID-6

Instrument ID: GC06 Calibration Date: 10/30/05 Time: 1309

Lab File ID: 6VJ7070 Init. Calib. Date(s): 10/10/05 10/10/05

Init. Calib. Times: 2034 2256

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Aroclor-1016	0.9731800	1.0000000	17291.000	0.01	-2.68	15.00	2RDR
(2)	0.9667700	1.0000000	41865.000	0.01	-3.32	15.00	2RDR
(3)	0.9856600	1.0000000	21482.000	0.01	-1.43	15.00	2RDR
(4)	0.9704900	1.0000000	13961.000	0.01	-2.95	15.00	2RDR
(5)	1.0277000	1.0000000	13034.000	0.01	2.77	15.00	2RDR
Average %D: -1.520							
Aroclor-1260	0.9717600	1.0000000	19785.000	0.01	-2.82	15.00	2RDR
(2)	0.9665800	1.0000000	20215.000	0.01	-3.34	15.00	2RDR
(3)	0.9691900	1.0000000	43670.000	0.01	-3.08	15.00	2RDR
(4)	0.9741600	1.0000000	23931.000	0.01	-2.58	15.00	2RDR
(5)	1.0074000	1.0000000	11735.000	0.01	0.74	15.00	2RDR
Average %D: -2.220							
Tetrachloro-m-xylene	2.25e-002	2.e-002	728600.00	0.01	12.50	15.00	2RDR
Decachlorobiphenyl	2.16e-002	2.e-002	548950.00	0.01	8.00	15.00	2RDR

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: MIDDLE RIVER SDG No.: MID-6

Instrument ID: GC06 Calibration Date: 10/30/05 Time: 1309

Lab File ID: 6VJ8070 Init. Calib. Date(s): 10/10/05 10/10/05

Init. Calib. Times: 2034 2256

GC Column: RTX-35 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Aroclor-1016	1.0013000	1.0000000	68864.000	0.01	0.13	15.00	2RDR
(2)	1.0157000	1.0000000	30231.000	0.01	1.57	15.00	2RDR
(3)	1.0041000	1.0000000	120010.00	0.01	0.41	15.00	2RDR
(4)	1.0297000	1.0000000	50752.000	0.01	2.97	15.00	2RDR
(5)	1.0143000	1.0000000	39623.000	0.01	1.43	15.00	2RDR
Average %D: 1.3000							
Aroclor-1260	1.0381000	1.0000000	76476.000	0.01	3.81	15.00	2RDR
(2)	1.0606000	1.0000000	60902.000	0.01	6.06	15.00	2RDR
(3)	1.0594000	1.0000000	117510.00	0.01	5.94	15.00	2RDR
(4)	1.0420000	1.0000000	67428.000	0.01	4.20	15.00	2RDR
(5)	1.0642000	1.0000000	29875.000	0.01	6.42	15.00	2RDR
Average %D: 5.2900							
Tetrachloro-m-xylene	2.06e-002	2.e-002	2356200.0	0.01	3.00	15.00	2RDR
Decachlorobiphenyl	2.2e-002	2.e-002	1258800.0	0.01	10.00	15.00	2RDR

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: MIDDLE RIVER SDG No.: MID-6

Instrument ID: GC06 Calibration Date: 10/31/05 Time: 0229

Lab File ID: 6VJ7098 Init. Calib. Date(s): 10/10/05 10/10/05

Init. Calib. Times: 2034 2256

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF0.2500 or AMOUNT	CCAL RRF0.2500	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Aroclor-1016	0.3051000	0.2500000	23388.000	0.01	22.04	15.00	2RDR	<-
(2)	0.2992800	0.2500000	56340.000	0.01	19.71	15.00	2RDR	<-
(3)	0.3100600	0.2500000	29208.000	0.01	24.02	15.00	2RDR	<-
(4)	0.2979400	0.2500000	17840.000	0.01	19.18	15.00	2RDR	<-
(5)	0.3297200	0.2500000	18284.000	0.01	31.89	15.00	2RDR	<-
Average %D: 23.360								23,4
Aroclor-1260	0.2992800	0.2500000	26280.000	0.01	19.71	15.00	2RDR	<-
(2)	0.2914600	0.2500000	25880.000	0.01	16.58	15.00	2RDR	<-
(3)	0.2966600	0.2500000	57092.000	0.01	18.66	15.00	2RDR	<-
(4)	0.2886400	0.2500000	29748.000	0.01	15.46	15.00	2RDR	<-
(5)	0.2867300	0.2500000	13896.000	0.01	14.69	15.00	2RDR	<-
Average %D: 17.040								17,0
Tetrachloro-m-xylene	6.15e-003	5.e-003	826800.00	0.01	23.00	15.00	2RDR	<-
Decachlorobiphenyl	5.99e-003	5.e-003	646000.00	0.01	19.80	15.00	2RDR	<-

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: MIDDLE RIVER SDG No.: MID-6

Instrument ID: GC06 Calibration Date: 10/31/05 Time: 0229

Lab File ID: 6VJ8098 Init. Calib. Date(s): 10/10/05 10/10/05

Init. Calib. Times: 2034 2256

GC Column: RTX-35 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF0.2500 or AMOUNT	CCAL RRF0.2500	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Aroclor-1016	0.3224300	0.2500000	100800.00	0.01	28.97	15.00	2RDR	<-
(2)	0.3195000	0.2500000	42288.000	0.01	27.80	15.00	2RDR	<-
(3)	0.3252100	0.2500000	173620.00	0.01	30.08	15.00	2RDR	<- 29.56
(4)	0.3325400	0.2500000	72808.000	0.01	33.02	15.00	2RDR	<-
(5)	0.3196400	0.2500000	54220.000	0.01	27.86	15.00	2RDR	<-
Average %D: 29.560								
Aroclor-1260	0.3189300	0.2500000	103470.00	0.01	27.57	15.00	2RDR	<-
(2)	0.3244000	0.2500000	81576.000	0.01	29.76	15.00	2RDR	<-
(3)	0.3241700	0.2500000	156990.00	0.01	29.67	15.00	2RDR	<- 27.2
(4)	0.3165000	0.2500000	89184.000	0.01	26.60	15.00	2RDR	<-
(5)	0.3057000	0.2500000	37248.000	0.01	22.28	15.00	2RDR	<-
Average %D: 27.160								
Tetrachloro-m-xylene	5.56e-003	5.e-003	2883600.0	0.01	11.20	15.00	2RDR	<-
Decachlorobiphenyl	6.18e-003	5.e-003	1553400.0	0.01	23.60	15.00	2RDR	<-

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: MIDDLE RIVER SDG No.: MID-6

Instrument ID: GC06 Calibration Date: 10/31/05 Time: 1000

Lab File ID: 6VJ7115 Init. Calib. Date(s): 10/10/05 10/10/05

Init. Calib. Times: 2034 2256

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Aroclor-1016	0.9947500	1.0000000	17648.000	0.01	-0.52	15.00	2RDR	
(2)	0.9812200	1.0000000	42447.000	0.01	-1.88	15.00	2RDR	
(3)	1.0064000	1.0000000	21903.000	0.01	0.64	15.00	2RDR	
(4)	0.9878000	1.0000000	14200.000	0.01	-1.22	15.00	2RDR	
(5)	1.0375000	1.0000000	13149.000	0.01	3.75	15.00	2RDR	
Average %D: 0.1500								
Aroclor-1260	0.9662500	1.0000000	19680.000	0.01	-3.38	15.00	2RDR	
(2)	0.9652700	1.0000000	20189.000	0.01	-3.47	15.00	2RDR	
(3)	0.9802700	1.0000000	44143.000	0.01	-1.97	15.00	2RDR	
(4)	0.9505300	1.0000000	23376.000	0.01	-4.95	15.00	2RDR	
(5)	0.9721300	1.0000000	11340.000	0.01	-2.79	15.00	2RDR	
Average %D: -3.310								
Tetrachloro-m-xylene	2.31e-002	2.e-002	747300.00	0.01	15.50	15.00	2RDR	<-
Decachlorobiphenyl	2.04e-002	2.e-002	519550.00	0.01	2.00	15.00	2RDR	

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: MIDDLE RIVER SDG No.: MID-6

Instrument ID: GC06 Calibration Date: 10/31/05 Time: 1000

Lab File ID: 6VJ8115 Init. Calib. Date(s): 10/10/05 10/10/05

Init. Calib. Times: 2034 2256

GC Column: RTX-35 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Aroclor-1016	1.0294000	1.0000000	70566.000	0.01	2.94	15.00	2RDR
(2)	1.0264000	1.0000000	30515.000	0.01	2.64	15.00	2RDR
(3)	1.0413000	1.0000000	124010.00	0.01	4.13	15.00	2RDR
(4)	1.0576000	1.0000000	51991.000	0.01	5.76	15.00	2RDR
(5)	1.0404000	1.0000000	40559.000	0.01	4.04	15.00	2RDR
Average %D: 3.9000							
Aroclor-1260	1.0300000	1.0000000	75928.000	0.01	3.00	15.00	2RDR
(2)	1.0356000	1.0000000	59572.000	0.01	3.56	15.00	2RDR
(3)	1.0454000	1.0000000	116060.00	0.01	4.54	15.00	2RDR
(4)	1.0317000	1.0000000	66804.000	0.01	3.17	15.00	2RDR
(5)	1.0268000	1.0000000	28886.000	0.01	2.68	15.00	2RDR
Average %D: 3.3900							
Tetrachloro-m-xylene	2.08e-002	2.e-002	2383800.0	0.01	4.00	15.00	2RDR
Decachlorobiphenyl	2.11e-002	2.e-002	1209600.0	0.01	5.50	15.00	2RDR

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: MIDDLE RIVER SDG No.: MID-6

Instrument ID: GC06 Calibration Date: 11/01/05 Time: 1054

Lab File ID: 6VK1002 Init. Calib. Date(s): 10/10/05 10/10/05

Init. Calib. Times: 2034 2256

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Aroclor-1016	0.9873700	1.0000000	17526.000	0.01	-1.26	15.00	2RDR	
(2)	0.9794300	1.0000000	42375.000	0.01	-2.06	15.00	2RDR	
(3)	1.0013000	1.0000000	21799.000	0.01	0.13	15.00	2RDR	
(4)	0.9707800	1.0000000	13965.000	0.01	-2.92	15.00	2RDR	
(5)	1.0165000	1.0000000	12903.000	0.01	1.65	15.00	2RDR	
Average %D: -0.890								
Aroclor-1260	0.9158300	1.0000000	18718.000	0.01	-8.42	15.00	2RDR	
(2)	0.8948000	1.0000000	18788.000	0.01	-10.52	15.00	2RDR	
(3)	0.9202000	1.0000000	41574.000	0.01	-7.98	15.00	2RDR	
(4)	0.9032200	1.0000000	22262.000	0.01	-9.68	15.00	2RDR	
(5)	0.9066000	1.0000000	10603.000	0.01	-9.34	15.00	2RDR	
Average %D: -9.190								
Tetrachloro-m-xylene	2.33e-002	2.e-002	751750.00	0.01	16.50	15.00	2RDR	<-
Decachlorobiphenyl	1.87e-002	2.e-002	479900.00	0.01	-6.50	15.00	2RDR	

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: MIDDLE RIVER SDG No.: MID-6

Instrument ID: GC06 Calibration Date: 11/01/05 Time: 1054

Lab File ID: 6VK2002 Init. Calib. Date(s): 10/10/05 10/10/05

Init. Calib. Times: 2034 2256

GC Column: RTX-35 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Aroclor-1016	1.0606000	1.0000000	72446.000	0.01	6.06	15.00	2RDR
(2)	1.0736000	1.0000000	31767.000	0.01	7.36	15.00	2RDR
(3)	1.0788000	1.0000000	128030.00	0.01	7.88	15.00	2RDR
(4)	1.0686000	1.0000000	52482.000	0.01	6.86	15.00	2RDR
(5)	1.0756000	1.0000000	41822.000	0.01	7.56	15.00	2RDR
Average %D: 7.1500							
Aroclor-1260	1.0284000	1.0000000	75817.000	0.01	2.84	15.00	2RDR
(2)	1.0109000	1.0000000	58255.000	0.01	1.09	15.00	2RDR
(3)	1.0082000	1.0000000	112210.00	0.01	0.82	15.00	2RDR
(4)	0.9748700	1.0000000	63360.000	0.01	-2.51	15.00	2RDR
(5)	0.9479500	1.0000000	26795.000	0.01	-5.20	15.00	2RDR
Average %D: -0.590							
Tetrachloro-m-xylene	2.19e-002	2.e-002	2496800.0	0.01	9.50	15.00	2RDR
Decachlorobiphenyl	1.91e-002	2.e-002	1100200.0	0.01	-4.50	15.00	2RDR

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: MIDDLE RIVER SDG No.: MID-6

Instrument ID: GC06 Calibration Date: 11/01/05 Time: 2245

Lab File ID: 6VK1026 Init. Calib. Date(s): 10/10/05 10/10/05

Init. Calib. Times: 2034 2256

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF0.2500 or AMOUNT	CCAL RRF0.2500	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Aroclor-1016	0.2601600	0.2500000	20192.000	0.01	4.06	15.00	2RDR	
(2)	0.2536800	0.2500000	48476.000	0.01	1.47	15.00	2RDR	
(3)	0.2633000	0.2500000	25140.000	0.01	5.32	15.00	2RDR	
(4)	0.2531100	0.2500000	15244.000	0.01	1.24	15.00	2RDR	
(5)	0.2787000	0.2500000	15712.000	0.01	11.48	15.00	2RDR	
Average %D: 4.7200								
Aroclor-1260	0.2590100	0.2500000	23000.000	0.01	3.60	15.00	2RDR	
(2)	0.2548500	0.2500000	22812.000	0.01	1.94	15.00	2RDR	
(3)	0.2561200	0.2500000	49824.000	0.01	2.45	15.00	2RDR	
(4)	0.2440000	0.2500000	25332.000	0.01	-2.40	15.00	2RDR	
(5)	0.2504100	0.2500000	12188.000	0.01	0.16	15.00	2RDR	
Average %D: 1.1600								
Tetrachloro-m-xylene	5.52e-003	5.e-003	745200.00	0.01	10.40	15.00	2RDR	<-
Decachlorobiphenyl	5.36e-003	5.e-003	581600.00	0.01	7.20	15.00	2RDR	<-

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: MIDDLE RIVER SDG No.: MID-6

Instrument ID: GC06 Calibration Date: 11/01/05 Time: 2245

Lab File ID: 6VK2026 Init. Calib. Date(s): 10/10/05 10/10/05

Init. Calib. Times: 2034 2256

GC Column: RTX-35 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF0.2500 or AMOUNT	CCAL RRF0.2500	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Aroclor-1016	0.2767800	0.2500000	88232.000	0.01	10.71	15.00	2RDR	
(2)	0.2783700	0.2500000	37336.000	0.01	11.35	15.00	2RDR	
(3)	0.2823300	0.2500000	153270.00	0.01	12.93	15.00	2RDR	
(4)	0.2874600	0.2500000	63932.000	0.01	14.98	15.00	2RDR	
(5)	0.2741700	0.2500000	47076.000	0.01	9.67	15.00	2RDR	
Average %D: 11.920								
Aroclor-1260	0.2889900	0.2500000	94700.000	0.01	15.60	15.00	2RDR	<-
(2)	0.2908900	0.2500000	73904.000	0.01	16.36	15.00	2RDR	<-
(3)	0.2912500	0.2500000	142520.00	0.01	16.50	15.00	2RDR	<- 14.4
(4)	0.2829700	0.2500000	80576.000	0.01	13.19	15.00	2RDR	
(5)	0.2753200	0.2500000	33856.000	0.01	10.13	15.00	2RDR	
Average %D: 14.360								
Tetrachloro-m-xylene	4.99e-003	5.e-003	2629200.0	0.01	-0.20	15.00	2RDR	<-
Decachlorobiphenyl	5.73e-003	5.e-003	1448200.0	0.01	14.60	15.00	2RDR	<-

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: MIDDLE RIVER SDG No.: MID-6

Instrument ID: GC06 Calibration Date: 11/02/05 Time: 1422

Lab File ID: 6VK1040 Init. Calib. Date(s): 10/10/05 10/10/05

Init. Calib. Times: 2034 2256

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Aroclor-1016	1.0062000	1.0000000	17837.000	0.01	0.62	15.00	2RDR	
(2)	0.9736700	1.0000000	42143.000	0.01	-2.63	15.00	2RDR	
(3)	1.0122000	1.0000000	22021.000	0.01	1.22	15.00	2RDR	
(4)	0.9952700	1.0000000	14303.000	0.01	-0.47	15.00	2RDR	
(5)	1.0664000	1.0000000	13487.000	0.01	6.64	15.00	2RDR	
Average %D: 1.0800								
Aroclor-1260	1.0371000	1.0000000	21025.000	0.01	3.71	15.00	2RDR	
(2)	1.0311000	1.0000000	21492.000	0.01	3.11	15.00	2RDR	
(3)	1.0153000	1.0000000	45636.000	0.01	1.53	15.00	2RDR	
(4)	1.0011000	1.0000000	24563.000	0.01	0.11	15.00	2RDR	
(5)	1.0358000	1.0000000	12053.000	0.01	3.58	15.00	2RDR	
Average %D: 2.4100								
Tetrachloro-m-xylene	2.33e-002	2.e-002	751650.00	0.01	16.50	15.00	2RDR	<-
Decachlorobiphenyl	2.27e-002	2.e-002	576050.00	0.01	13.50	15.00	2RDR	

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: MIDDLE RIVER SDG No.: MID-6

Instrument ID: GC06 Calibration Date: 11/02/05 Time: 1422

Lab File ID: 6VK2040 Init. Calib. Date(s): 10/10/05 10/10/05

Init. Calib. Times: 2034 2256

GC Column: RTX-35 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Aroclor-1016	1.0604000	1.0000000	72433.000	0.01	6.04	15.00	2RDR	
(2)	1.0949000	1.0000000	32330.000	0.01	9.49	15.00	2RDR	
(3)	1.0587000	1.0000000	125880.00	0.01	5.87	15.00	2RDR	
(4)	1.0842000	1.0000000	53170.000	0.01	8.42	15.00	2RDR	
(5)	1.0694000	1.0000000	41601.000	0.01	6.94	15.00	2RDR	
Average %D: 7.3500								
Aroclor-1260	1.1135000	1.0000000	81573.000	0.01	11.35	15.00	2RDR	
(2)	1.1369000	1.0000000	64935.000	0.01	13.69	15.00	2RDR	
(3)	1.1345000	1.0000000	125250.00	0.01	13.45	15.00	2RDR	
(4)	1.1366000	1.0000000	73122.000	0.01	13.66	15.00	2RDR	
(5)	1.1706000	1.0000000	32672.000	0.01	17.06	15.00	2RDR	<-
Average %D: 13.840								
Tetrachloro-m-xylene	2.15e-002	2.e-002	2457100.0	0.01	7.50	15.00	2RDR	
Decachlorobiphenyl	2.45e-002	2.e-002	1385600.0	0.01	22.50	15.00	2RDR	<-

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: MIDDLE RIVER SDG No.: MID-6

Instrument ID: GC06 Calibration Date: 11/03/05 Time: 1001

Lab File ID: 6VK1048 Init. Calib. Date(s): 10/10/05 10/10/05

Init. Calib. Times: 2034 2256

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Aroclor-1016	1.0235000	1.0000000	18123.000	0.01	2.35	15.00	2RDR	
(2)	0.9793600	1.0000000	42372.000	0.01	-2.06	15.00	2RDR	
(3)	1.0080000	1.0000000	21936.000	0.01	0.80	15.00	2RDR	
(4)	0.9819300	1.0000000	14119.000	0.01	-1.81	15.00	2RDR	
(5)	1.0767000	1.0000000	13607.000	0.01	7.67	15.00	2RDR	
Average %D: 1.3900								
Aroclor-1260	1.0188000	1.0000000	20679.000	0.01	1.88	15.00	2RDR	
(2)	1.0016000	1.0000000	20909.000	0.01	0.16	15.00	2RDR	
(3)	1.0081000	1.0000000	45328.000	0.01	0.81	15.00	2RDR	
(4)	0.9762900	1.0000000	23981.000	0.01	-2.37	15.00	2RDR	
(5)	1.0197000	1.0000000	11873.000	0.01	1.97	15.00	2RDR	
Average %D: 0.4900								
Tetrachloro-m-xylene	2.41e-002	2.e-002	779300.00	0.01	20.50	15.00	2RDR	<-
Decachlorobiphenyl	2.17e-002	2.e-002	551800.00	0.01	8.50	15.00	2RDR	

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: MIDDLE RIVER SDG No.: MID-6

Instrument ID: GC06 Calibration Date: 11/03/05 Time: 1001

Lab File ID: 6VK2048 Init. Calib. Date(s): 10/10/05 10/10/05

Init. Calib. Times: 2034 2256

GC Column: RTX-35 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Aroclor-1016	1.0621000	1.0000000	72536.000	0.01	6.21	15.00	2RDR	
(2)	1.0960000	1.0000000	32360.000	0.01	9.60	15.00	2RDR	
(3)	1.0540000	1.0000000	125380.00	0.01	5.40	15.00	2RDR	
(4)	1.0740000	1.0000000	52719.000	0.01	7.40	15.00	2RDR	
(5)	1.0534000	1.0000000	41027.000	0.01	5.34	15.00	2RDR	
Average %D: 6.7900								
Aroclor-1260	1.1080000	1.0000000	81200.000	0.01	10.80	15.00	2RDR	
(2)	1.1309000	1.0000000	64619.000	0.01	13.09	15.00	2RDR	
(3)	1.1238000	1.0000000	124140.00	0.01	12.38	15.00	2RDR	
(4)	1.1197000	1.0000000	72105.000	0.01	11.97	15.00	2RDR	
(5)	1.1239000	1.0000000	31446.000	0.01	12.39	15.00	2RDR	
Average %D: 12.120								
Tetrachloro-m-xylene	2.17e-002	2.e-002	2473000.0	0.01	8.50	15.00	2RDR	
Decachlorobiphenyl	2.33e-002	2.e-002	1323600.0	0.01	16.50	15.00	2RDR	<-

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: MIDDLE RIVER
PO No:
Sample Date:
Received Date:
Extraction Date: 10/25/05
Analysis Date: 27-OCT-2005 18:05
Report Date: 11/02/2005
Matrix: SOIL
% Solids: 100

Lab ID: WG21992-1RA
Client ID: WG21992-Blank
SDG: MID-6
Extracted by: GN
Extraction Method: SW846 3545
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG21992
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	17	1.0	17	17	7.5
11104-28-2	Aroclor-1221	U	17	1.0	17	17	9.0
11141-16-5	Aroclor-1232	U	17	1.0	17	17	5.3
53469-21-9	Aroclor-1242	U	17	1.0	17	17	6.7
12672-29-6	Aroclor-1248	U	17	1.0	17	17	5.7
11097-69-1	Aroclor-1254	U	17	1.0	17	17	13
11096-82-5	Aroclor-1260	U	17	1.0	17	17	4.2
877-09-8	Tetrachloro-m-xylene		102%				
2051-24-3	Decachlorobiphenyl		86%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: MIDDLE RIVER
PO No:
Sample Date:
Received Date:
Extraction Date: 10/28/05
Analysis Date: 30-OCT-2005 16:34
Report Date: 11/02/2005
Matrix: SOIL
% Solids: 100

Lab ID: WG22135-1
Client ID: WG22135-Blank
SDG: MID-6
Extracted by: GN
Extraction Method: SW846 3550
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG22135
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	17	1.0	17	17	7.5
11104-28-2	Aroclor-1221	U	17	1.0	17	17	9.0
11141-16-5	Aroclor-1232	U	17	1.0	17	17	5.3
53469-21-9	Aroclor-1242	U	17	1.0	17	17	6.7
12672-29-6	Aroclor-1248	U	17	1.0	17	17	5.7
11097-69-1	Aroclor-1254	U	17	1.0	17	17	13
11096-82-5	Aroclor-1260	U	17	1.0	17	17	4.2
877-09-8	Tetrachloro-m-xylene		*107%				
2051-24-3	Decachlorobiphenyl		102%				

FORM 2
SOIL SEMIVOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: MIDDLE RIVER SDG No.: MID-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	WG21992-BLANK	WG21992-1RA	102	91	85	86			0
02	WG21992-LCS	WG21992-2RA	148*	144*	91	92			2
03	WG21992-LCSD	WG21992-3RA	104*	98	91	93			1
04	SD-24-SS	WV5605-1	110*	94	75	76			1
05	WG22135-BLANK	WG22135-1	107*	99	100	102			1
06	WG22135-LCS	WG22135-2	97	83	99	93			0
07	SD-25-SS	WV5605-2	92	81	82	92			0
08	SD-26-SS	WV5605-3	82	68	80	86			0
09	SD-27-01	WV5605-5	85	69	82	101			0
10	SD-27-02	WV5605-6	89	76	81	78			0
11	SD-27-SS	WV5605-4DL	D	D	D	D			0
12	SD-28-SS	WV5605-7	78	64	86	132*			1
13	SD-28-01	WV5605-8	77	67	84	140*			1
14	SD-28-02	WV5605-9	78	68	82	78			0
15	SD-29-SS	WV5605-10	84	74	78	90			0
16	SD-29-01	WV5605-11	96	79	103	108*			1
17	SD-29-02	WV5605-12	86	76	81	81			0
18	SD-30-SS	WV5605-13	91	81	79	85			0
19	SD-31-SS	WV5605-14	86	72	76	78			0
20	SD-31-01	WV5605-15	90	73	85	83			0
21	SD-31-02	WV5605-16	83	65	76	78			0
22	SD-33-SS	WV5605-18	76	67	63	65			0
23	SD-34-SS	WV5605-19	82	72	71	76			0
24	SD-35-SS	WV5605-20	72	56	69	73			0
25	SD-32-SS	WV5605-17	72	64	57	62			0
26	SD-25-SSMS	WG22135-3	88	76	83	95			0
27	SD-25-SSMSD	WG22135-4	94	62	89	97			0
28	SD-27-SSMS	WG22135-5	107*	54	86	104			1

ADVISORY
QC LIMITS

S1 (TCX) = Tetrachloro-m-xylene (44-103)
S2 (DCB) = Decachlorobiphenyl (56-107)

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

FORM 2
SOIL SEMIVOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: MIDDLE RIVER SDG No.: MID-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	SD-27-SSMSD	WG22135-6	144*	56	95	117*			2
02	SD-31-02MS	WG22135-7	129*	58	81	85			1
03	SD-31-02MSD	WG22135-8	86	66	45*	84			1
04									
05									
06									
07									
08									
09									
10									
11									
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 (44-103)
S2 (DCB) = Decachlorobiphenyl (56-107)

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

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: MIDDLE RIVER
PO No:
Sample Date:
Received Date:
Extraction Date: 10/25/05
Analysis Date: 10/27/05
Report Date: 11/02/2005
Matrix: SOIL

Lab ID: WG21992-2RA& WG21992-3RA
Client ID: WG21992-LCS & WG21992-LCSD
SDG: MID-6
Extracted by: GN
Extraction Method: SW846 3545
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG21992
Units: ug/Kg

COMPOUND	LCS SPIKE	LCSD SPIKE	SAMPLE CONC.	LCS CONC.	LCSD CONC.	LCS %REC.	LCSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
Aroclor-1016	167	167	NA	179	179	107	107	0.0	50	56-116
Aroclor-1260	167	167	NA	172	174	103	104	1	50	59-118

FORM III PEST-2

6VJ7014.d & 6VJ7015.d

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: MIDDLE RIVER
PO No:
Sample Date:
Received Date:
Extraction Date: 10/28/05
Analysis Date: 10/30/05
Report Date: 11/02/2005
Matrix: SOIL

Lab ID: WG22135-2
Client ID: WG22135-LCS
SDG: MID-6
Extracted by: GN
Extraction Method: SW846 3550
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG22135
Units: ug/Kg

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
Aroclor-1016	167	NA	166	100	56-116
Aroclor-1260	167	NA	185	111	59-118

FORM III PEST-2

6VJ7078.d

KATAHDIN ANALYTICAL SERVICES
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/28/05
Analysis Date: 11/02/05
Report Date: 11/03/2005
Matrix: SOIL

Lab ID: WG22135-3 & WG22135-4
Client ID: SD-25-SSMS & SD-25-SSMSD
SDG: MID-6
Extracted by: GN
Extraction Method: SW846 3550
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG22135
Units: ug/Kg

COMPOUND	MS SPIKE	MSD SPIKE	SAMPLE CONC.	MS CONC.	MSD CONC.		MS %REC.		MSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
Aroclor-1016	392	392	0.00	539	556	*	137	*	142	3	50	56-116
Aroclor-1260	392	392	1300	1480	1360	*	46	*	15	8	50	59-118

FORM III PEST-2

6VK1041.d & 6VK1042.d

KATAHDIN ANALYTICAL SERVICES
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/28/05
Analysis Date: 11/02/05
Report Date: 11/04/2005
Matrix: SOIL

Lab ID: WG22135-5 & WG22135-6
Client ID: SD-27-SSMS & SD-27-SSMSD
SDG: MID-6
Extracted by: GN
Extraction Method: SW846 3550
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG22135
Units: ug/Kg

COMPOUND	MS SPIKE	MSD SPIKE	SAMPLE CONC.	MS CONC.	MSD CONC.	MS %REC.	MSD %REC.		%RPD	%RPD LIMIT	QC. LIMITS
Aroclor-1016	473	473	0.00	67500	85300	*14286	*18049		23	50	56-116
Aroclor-1260	473	473	20000	32100	73000	* 2560	*11214	*	78	50	59-118

FORM III PEST-2

6VK1043.d & 6VK1044.d

KATAHDIN ANALYTICAL SERVICES
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/28/05
Analysis Date: 11/02/05
Report Date: 11/03/2005
Matrix: SOIL

Lab ID: WG22135-7 & WG22135-8
Client ID: SD-31-02MS & SD-31-02MSD
SDG: MID-6
Extracted by: GN
Extraction Method: SW846 3550
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG22135
Units: ug/Kg

COMPOUND	MS SPIKE	MSD SPIKE	SAMPLE CONC.	MS CONC.	MSD CONC.	MS %REC.	MSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
Aroclor-1016	515	515	0.00	749	701	* 146	* 136	7	50	56-116
Aroclor-1260	515	515	75	552	598	93	102	8	50	59-118

FORM III PEST-2

6VK1045.d & 6VK1046.d

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID: SD-24-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: MIDDLE RIVER

Lab Code: PO No.: SDG No.: MID-6

Lab Sample ID: WV5605-1 Date(s) Analyzed: 10/28/05 10/28/05

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)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.79	15.71	15.85	146		
Aroclor-1260	2	16.37	16.30	16.44	191		
	3	17.03	16.96	17.10	164		
COLUMN 1	4	18.37	18.31	18.45	202		
	5					176	
	1	13.92	13.85	13.99	176		
	2	14.80	14.72	14.86	236		
	3	15.21	15.14	15.28	168		
COLUMN 2	4	16.12	16.05	16.19	176		
	5	17.25	17.18	17.32	172	186	5.4
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID: SD-25-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: MIDDLE RIVER

Lab Code: PO No.: SDG No.: MID-6

Lab Sample ID: WV5605-2 Date(s) Analyzed: 10/30/05 10/30/05

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)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.25	15.19	15.33	1400		
Aroclor-1260	2	15.79	15.71	15.85	985		
	3	16.37	16.30	16.44	1460		
COLUMN 1	4	17.03	16.96	17.10	1370		
	5					1300	
	1	13.92	13.84	13.98	766		
	2	14.79	14.71	14.85	1120		
	3	15.20	15.13	15.27	1320		
COLUMN 2	4	16.12	16.04	16.18	1420		
	5					1160	10.8
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID: SD-26-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: MIDDLE RIVER

Lab Code: PO No.: SDG No.: MID-6

Lab Sample ID: WV5605-3 Date(s) Analyzed: 10/30/05 10/30/05

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)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.26	15.19	15.33	1630		
Aroclor-1260	2	15.78	15.71	15.85	1080		
	3	16.37	16.30	16.44	1680		
COLUMN 1	4	17.03	16.96	17.10	1570		
	5					1490	
	1	14.79	14.71	14.85	1280		
	2	15.20	15.13	15.27	1540		
	3	16.12	16.04	16.18	1640		
COLUMN 2	4						
	5					1490	0.0
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID: SD-27-01

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: MIDDLE RIVER

Lab Code: PO No.: SDG No.: MID-6

Lab Sample ID: WV5605-5 Date(s) Analyzed: 10/30/05 10/30/05

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)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.25	15.19	15.33	864		
Aroclor-1260	2	15.78	15.71	15.85	392		
	3	16.37	16.30	16.44	821		
COLUMN 1	4	17.03	16.96	17.10	591		
	5					667	
	1	13.91	13.84	13.98	358		
	2	14.79	14.71	14.85	533		
	3	15.20	15.13	15.27	612		
COLUMN 2	4	16.12	16.04	16.18	697		
	5					550	17.5
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID: SD-27-02

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: MIDDLE RIVER

Lab Code: PO No.: SDG No.: MID-6

Lab Sample ID: WV5605-6 Date(s) Analyzed: 10/31/05 10/31/05

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)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.26	15.19	15.33	89.0		
Aroclor-1260	2	15.79	15.71	15.85	39.1		
	3	16.37	16.30	16.44	69.2		
COLUMN 1	4	17.03	16.96	17.10	50.5		
	5					62.0	
	1	14.80	14.71	14.85	82.5		
	2	15.20	15.13	15.27	46.1		
	3	16.11	16.04	16.18	72.8		
COLUMN 2	4						
	5					67.1	7.6
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID: SD-27-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: MIDDLE RIVER

Lab Code: PO No.: SDG No.: MID-6

Lab Sample ID: WV5605-4DL Date(s) Analyzed: 10/31/05 10/31/05

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)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.79	15.71	15.85	15500		
Aroclor-1260	2	16.38	16.30	16.44	18400		
	3	17.04	16.96	17.10	16800		
COLUMN 1	4						
	5					16900	
	1	14.78	14.71	14.85	17400		
	2	15.20	15.13	15.27	20600		
	3	16.12	16.04	16.18	22100		
COLUMN 2	4						
	5					20000	15.5
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID: SD-28-01

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: MIDDLE RIVER

Lab Code: PO No.: SDG No.: MID-6

Lab Sample ID: WV5605-8 Date(s) Analyzed: 10/31/05 10/31/05

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)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.25	15.19	15.33	723		
Aroclor-1260	2	16.36	16.30	16.44	775		
	3	17.04	16.96	17.10	180		
COLUMN 1	4	18.34	18.30	18.44	753		
	5					608	
	1	13.92	13.84	13.98	322		
	2	14.79	14.71	14.85	273		
	3	15.23	15.13	15.27	366		
COLUMN 2	4	16.12	16.04	16.18	370		
	5	17.24	17.18	17.32	407	347	42.9
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID: SD-28-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: MIDDLE RIVER

Lab Code: PO No.: SDG No.: MID-6

Lab Sample ID: WV5605-7 Date(s) Analyzed: 10/31/05 10/31/05

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)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.78	15.71	15.85	587		
Aroclor-1260	2	16.36	16.30	16.44	976		
	3	17.01	16.96	17.10	802		
COLUMN 1	4						
	5					788	
	1	13.91	13.84	13.98	546		
	2	14.77	14.71	14.85	360		
	3	15.21	15.13	15.27	555		
COLUMN 2	4	16.12	16.04	16.18	648		
	5	17.24	17.18	17.32	885	599	24.0
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID

SD-29-01

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: MIDDLE RIVER

Lab Code: PO No.: SDG No.: MID-6

Lab Sample ID: WV5605-11 Date(s) Analyzed: 11/01/05 11/01/05

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)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.26	15.19	15.33	285		
Aroclor-1260	2	15.80	15.72	15.86	75.0		
	3	16.38	16.31	16.45	253		
COLUMN 1	4	17.04	16.97	17.11	77.4		
	5	18.36	18.31	18.45	350	208	
	1	13.91	13.85	13.99	193		
	2	14.80	14.72	14.86	228		
	3	15.21	15.14	15.28	127		
COLUMN 2	4	16.12	16.05	16.19	168		
	5	17.24	17.18	17.32	229	189	9.1
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID: SD-29-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: MIDDLE RIVER

Lab Code: PO No.: SDG No.: MID-6

Lab Sample ID: WV5605-10 Date(s) Analyzed: 10/31/05 10/31/05

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)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.25	15.19	15.33	2880		
Aroclor-1260	2	15.79	15.71	15.85	1820		
	3	16.37	16.30	16.44	2760		
COLUMN 1	4	17.03	16.96	17.10	2490		
	5					2490	
	1	13.92	13.84	13.98	1090		
	2	14.78	14.71	14.85	2010		
	3	15.20	15.13	15.27	2540		
COLUMN 2	4	16.12	16.04	16.18	2590		
	5					2060	17.3
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID: SD-30-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: MIDDLE RIVER

Lab Code: PO No.: SDG No.: MID-6

Lab Sample ID: WV5605-13 Date(s) Analyzed: 11/01/05 11/01/05

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)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.26	15.19	15.33	1460		
Aroclor-1260	2	15.79	15.71	15.85	936		
	3	16.37	16.30	16.44	1370		
COLUMN 1	4	17.03	16.96	17.10	1270		
	5	18.38	18.31	18.45	1900	1390	
	1	13.92	13.84	13.98	866		
	2	14.79	14.71	14.85	1200		
	3	15.21	15.13	15.27	1180		
COLUMN 2	4	16.12	16.05	16.19	1390		
	5	17.25	17.18	17.32	1760	1280	7.9
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID

SD-31-02

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: MIDDLE RIVER

Lab Code: PO No.: SDG No.: MID-6

Lab Sample ID: WV5605-16 Date(s) Analyzed: 11/01/05 11/01/05

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)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.26	15.19	15.33	58.4		
Aroclor-1260	2	15.79	15.71	15.85	53.7		
	3	16.38	16.30	16.44	72.2		
COLUMN 1	4						
	5					61.4	
	1	13.92	13.84	13.98	59.0		
	2	15.20	15.13	15.27	69.8		
	3	16.12	16.05	16.19	97.1		
COLUMN 2	4						
	5					75.3	18.4
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID: SD-31-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: MIDDLE RIVER

Lab Code: PO No.: SDG No.: MID-6

Lab Sample ID: WV5605-14 Date(s) Analyzed: 11/01/05 11/01/05

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)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.26	15.19	15.33	145		
Aroclor-1260	2	15.79	15.71	15.85	93.3		
	3	16.37	16.30	16.44	179		
COLUMN 1	4	17.03	16.96	17.10	139		
	5	18.38	18.31	18.45	289	169	
	1	13.92	13.84	13.98	75.2		
	2	14.80	14.71	14.85	156		
	3	15.20	15.13	15.27	146		
COLUMN 2	4	16.12	16.05	16.19	172		
	5	17.25	17.18	17.32	240	158	6.5
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID: SD-32-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: MIDDLE RIVER

Lab Code: PO No.: SDG No.: MID-6

Lab Sample ID: WV5605-17 Date(s) Analyzed: 11/01/05 11/01/05

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)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.26	15.19	15.33	751		
Aroclor-1260	2	15.78	15.71	15.85	472		
	3	16.37	16.30	16.44	676		
COLUMN 1	4	17.03	16.96	17.10	598		
	5					624	
	1	13.91	13.84	13.98	442		
	2	14.79	14.71	14.85	668		
	3	15.20	15.13	15.27	637		
COLUMN 2	4	16.12	16.05	16.19	703		
	5					613	1.8
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID: SD-33-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: MIDDLE RIVER

Lab Code: PO No.: SDG No.: MID-6

Lab Sample ID: WV5605-18 Date(s) Analyzed: 11/01/05 11/01/05

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)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.26	15.19	15.33	840		
Aroclor-1260	2	15.79	15.71	15.85	533		
	3	16.37	16.30	16.44	791		
COLUMN 1	4	17.03	16.96	17.10	729		
	5					723	
	1	13.92	13.84	13.98	446		
	2	14.79	14.71	14.85	682		
	3	15.20	15.13	15.27	758		
COLUMN 2	4	16.12	16.05	16.19	848		
	5					684	5.4
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID: SD-34-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: MIDDLE RIVER

Lab Code: PO No.: SDG No.: MID-6

Lab Sample ID: WV5605-19 Date(s) Analyzed: 11/01/05 11/01/05

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)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.26	15.19	15.33	368		
Aroclor-1260	2	15.79	15.71	15.85	218		
	3	16.37	16.30	16.44	309		
COLUMN 1	4	17.03	16.96	17.10	265		
	5					290	
	1	13.92	13.84	13.98	219		
	2	14.79	14.71	14.85	321		
	3	15.21	15.13	15.27	275		
COLUMN 2	4	16.12	16.05	16.19	319		
	5					283	2.4
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID

SD-35-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: MIDDLE RIVER

Lab Code: PO No.: SDG No.: MID-6

Lab Sample ID: WV5605-20 Date(s) Analyzed: 11/01/05 11/01/05

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)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.26	15.19	15.33	385		
Aroclor-1260	2	15.79	15.71	15.85	285		
	3	16.37	16.30	16.44	415		
COLUMN 1	4	17.03	16.96	17.10	395		
	5					370	
	1	13.92	13.84	13.98	295		
	2	14.79	14.71	14.85	359		
	3	15.20	15.13	15.27	366		
COLUMN 2	4	16.12	16.05	16.19	459		
	5					370	0.0
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

TETRA TECH NUS, INC. **CALCULATION WORKSHEET** PAGE_____ OF_____

CLIENT Lockheed Middle River		JOB NUMBER Job-00275 SDG-MID-6	
SUBJECT Sample Calculation			
BASED ON		DRAWING NUMBER	
BY Bernard F Spada III	CHECKED BY	APPROVED BY	DATE 11/10/05

Sample SD-27-55 Aroclor 1260 = 20000 ug/kg

Peak 2

Aroclor 1260 = $(1.661 \times 10^{-11})(22843^2) + (1.683 \times 10^{-5})(22843) + (-2.56 \times 10^{-2})$

$= 0.008667 + 0.38445 + -0.0256$

$= 0.3675$ ug/mL

$$\frac{(0.3675 \text{ ug/mL})(10 \text{ mL})(50)}{(30 \text{g})(0.353)} = 17.352 \text{ ug/g} = 17,352 \text{ ug/kg}$$

$$\text{Average} = \frac{17352 + 20600 + 22100}{3} = 20017 \text{ ug/kg}$$

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/28/05
Analysis Date: 31-OCT-2005 14:59
Report Date: 11/02/2005
Matrix: SOIL
% Solids: 35.3

Lab ID: WV5605-4DL
Client ID: SD-27-SS
SDG: MID-6
Extracted by: GN
Extraction Method: SW846 3550
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG22135
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	2400	50	17	2400	1100
11104-28-2	Aroclor-1221	U	2400	50	17	2400	1300
11141-16-5	Aroclor-1232	U	2400	50	17	2400	750
53469-21-9	Aroclor-1242	U	2400	50	17	2400	950
12672-29-6	Aroclor-1248	U	2400	50	17	2400	810
11097-69-1	Aroclor-1254	U	2400	50	17	2400	1800
11096-82-5	Aroclor-1260		20000	50	17	2400	590
877-09-8	Tetrachloro-m-xylene		D				
2051-24-3	Decachlorobiphenyl		D				

Data File: \\Target_server\GG\chem\gc06.i\GC06VJ31B1.B\6VJ8124.d
Report Date: 02-Nov-2005 16:11

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gc06.i\GC06VJ31B1.B\6VJ8124.d
Lab Smp Id: WV5605-4DL Client Smp ID: SD-27-SS
Inj Date : 31-OCT-2005 14:59
Operator : SAW Inst ID: gc06.i
Smp Info : PCBB035C.M,GC06VJ31A1.B,50,WV5605-4DL
Misc Info : SW846 8082
Comment :
Method : \\Target_server\GG\chem\gc06.i\GC06VJ31B1.B\PCBB035C.m
Meth Date : 31-Oct-2005 12:24 swilkinson Quant Type: ESTD
Cal Date : 11-OCT-2005 11:40 Cal File: 6VJ2110.RAW
Als bottle: 1
Dil Factor: 50.00000
Integrator: HP Genie Compound Sublist: SW8082.sub
Target Version: 4.12 Sample Matrix: SOIL
Processing Host: TARGET05

Concentration Formula: Amt * DF * 1000*Vt*(100/(100-M))/Vo * CpndVariable

Name	Value	Description
DF	50.000	Dilution Factor
Vt	0.01000	Volume of final extract (L)(1000 low, 20
M	64.734	% Moisture
Vo	0.03000	Sample Weight
Cpnd Variable		Local Compound Variable

				CONCENTRATIONS ON-COL	FINAL		
RT	EXP RT	DLT RT	RESPONSE	(ug/mL)	(ug/Kg)	TARGET RANGE	RATIO
7 Aroclor-1260					CAS #: 11096-82-5		
0.000	13.911	-13.911	0	0.000	0.000	80.00- 120.00	0.00
14.782	14.780	0.002	22843	0.36736	17400	94.69- 142.03	0.00
15.203	15.202	0.001	51457	0.43595	20600	89.28- 133.92	0.00
16.116	16.112	0.004	31881	0.46699	22100	72.48- 108.73	0.00
17.246	17.246	0.000	0	0.000	0.000	60.00- 140.00	0.00
Average of Peak Concentrations =					20000		

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project MIDDLE RIVER SDG No.: MID-6

Instrument ID: GC06 Calibration Date(s): 10/10/05 10/11/05

Column: RTX-35 ID: 0.53 (mm) Calibration Time(s): 2034 1140

LAB FILE ID: RF0.05: 6VJ2106 RF0.1: 6VJ2107 RF0.25: 6VJ2108
RF1: 6VJ2105 RF2.5: 6VJ2109 RF10: 6VJ2110

								COEFFICENTS			%RSD	MAX %RSD	
COMPOUND	RF0.05	RF0.1	RF0.25	RF1	RF2.5	RF10	CURVE	A0	A1	A2	OR R^2	OR R^2	
Aroclor-1016	5000	9466	23604	69798	149910	436980	2ORDR	-3.18e-002	1.351e-005	2.162e-011	0.99994	0.99000	
(2)	1921	3693	9896	29745	66039	194490	2ORDR	-2.14e-002	3.114e-005	1.049e-010	0.99996	0.99000	
(3)	8454	16093	39673	122240	266670	814930	2ORDR	-3.19e-002	7.997e-006	5.295e-012	0.99995	0.99000	
(4)	3355	6368	16451	50037	110430	335430	2ORDR	-2.79e-002	1.922e-005	3.183e-011	0.99995	0.99000	
(5)	2405	4626	12374	39115	89105	276720	2ORDR	-1.86e-002	2.438e-005	4.276e-011	0.99997	0.99000	
Aroclor-1221				25196			2ORDR	0.00000000	3.969e-005	0.00000000	1.00000	0.99000	<
(2)				17571			2ORDR	0.00000000	5.691e-005	0.00000000	1.00000	0.99000	<
(3)				49180			2ORDR	0.00000000	2.033e-005	0.00000000	1.00000	0.99000	<
(4)				13594			2ORDR	0.00000000	7.356e-005	0.00000000	1.00000	0.99000	<
Aroclor-1232	3544	9235	14360	40418	87611	255800	2ORDR	-6.1e-002	2.369e-005	6.117e-011	0.99987	0.99000	
(2)	3193	7887	13083	36480	78877	233770	2ORDR	-6.22e-002	2.67e-005	6.993e-011	0.99987	0.99000	
(3)	1349	3035	5198	15020	33278	100300	2ORDR	-5.44e-002	6.458e-005	3.556e-010	0.99991	0.99000	
(4)	2070	5093	8498	24655	54563	168740	2ORDR	-5.81e-002	4.031e-005	1.144e-010	0.99989	0.99000	
(5)	1584	3943	6585	18823	41338	125060	2ORDR	-5.8e-002	5.209e-005	2.267e-010	0.99989	0.99000	
Aroclor-1242	3983	10209	17055	59246	122940	358910	2ORDR	-3.57e-002	1.638e-005	3.227e-011	0.99992	0.99000	
(2)	6765	14984	28578	100020	215940	652830	2ORDR	-2.81e-002	9.746e-006	8.604e-012	0.99996	0.99000	
(3)	2741	7258	11683	42336	89727	270580	2ORDR	-3.34e-002	2.334e-005	5.082e-011	0.99992	0.99000	
(4)	2326	6354	9921	35448	74039	221550	2ORDR	-3.8e-002	2.801e-005	7.813e-011	0.99990	0.99000	
(5)	2659	6756	11465	41532	89057	271980	2ORDR	-3.08e-002	2.384e-005	4.797e-011	0.99994	0.99000	
Aroclor-1248	4025	7548	16719	59250	120640	364050	2ORDR	-3.17e-002	1.708e-005	2.88e-011	0.99987	0.99000	
(2)	2872	5166	11892	44020	92094	284190	2ORDR	-2.4e-002	2.295e-005	4.339e-011	0.99991	0.99000	
(3)	4640	8480	19155	69056	144230	448740	2ORDR	-2.9e-002	1.479e-005	1.685e-011	0.99989	0.99000	
(4)	3939	7350	16822	62005	130050	406510	2ORDR	-2.53e-002	1.645e-005	2.021e-011	0.99990	0.99000	
(5)	4344	8189	18491	62908	147240	462990	2ORDR	-1.52e-002	1.5e-005	1.431e-011	0.99999	0.99000	
Aroclor-1254	1565	3014	7152	24791	54258	167220	2ORDR	-2.05e-002	3.94e-005	1.228e-010	0.99997	0.99000	
(2)	1818	3547	8223	28432	62594	194200	2ORDR	-2.15e-002	3.443e-005	8.845e-011	0.99997	0.99000	
(3)	3537	6590	15090	52806	117330	370510	2ORDR	-2.21e-002	1.869e-005	2.257e-011	0.99998	0.99000	
(4)	6657	12373	27776	95203	209050	650640	2ORDR	-2.59e-002	1.036e-005	7.764e-012	0.99997	0.99000	
(5)	6222	11782	26099	89616	196540	611610	2ORDR	-2.63e-002	1.102e-005	8.797e-012	0.99997	0.99000	
Aroclor-1260	4986	9467	23793	75140	168460	535210	2ORDR	-2.79e-002	1.314e-005	1.046e-011	0.99996	0.99000	
(2)	3787	7269	18373	58452	132020	421000	2ORDR	-2.56e-002	1.683e-005	1.661e-011	0.99996	0.99000	
(3)	7436	14126	35264	113550	257180	843760	2ORDR	-2.78e-002	8.826e-006	3.627e-012	0.99996	0.99000	
(4)	4171	8014	20428	66302	150020	493210	2ORDR	-2.61e-002	1.513e-005	1.055e-011	0.99996	0.99000	
(5)	1730	3345	8803	28828	65572	218880	2ORDR	-2.4e-002	3.494e-005	4.96e-011	0.99996	0.99000	
Tetrachloro-m-xylene	5104	5865	14209	46272	105060	337130	2ORDR	-7.31e-004	4.291e-007	4.936e-013	0.99996	0.99000	
Decachlorobiphenyl	1425	2806	7297	23421	52555	166980	2ORDR	-4.72e-004	8.402e-007	2.159e-012	0.99996	0.99000	

EARTH MATH

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Tool Chest
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Introductory Material
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A Versatile Technology-Intensive Earth Math

Project Directors:
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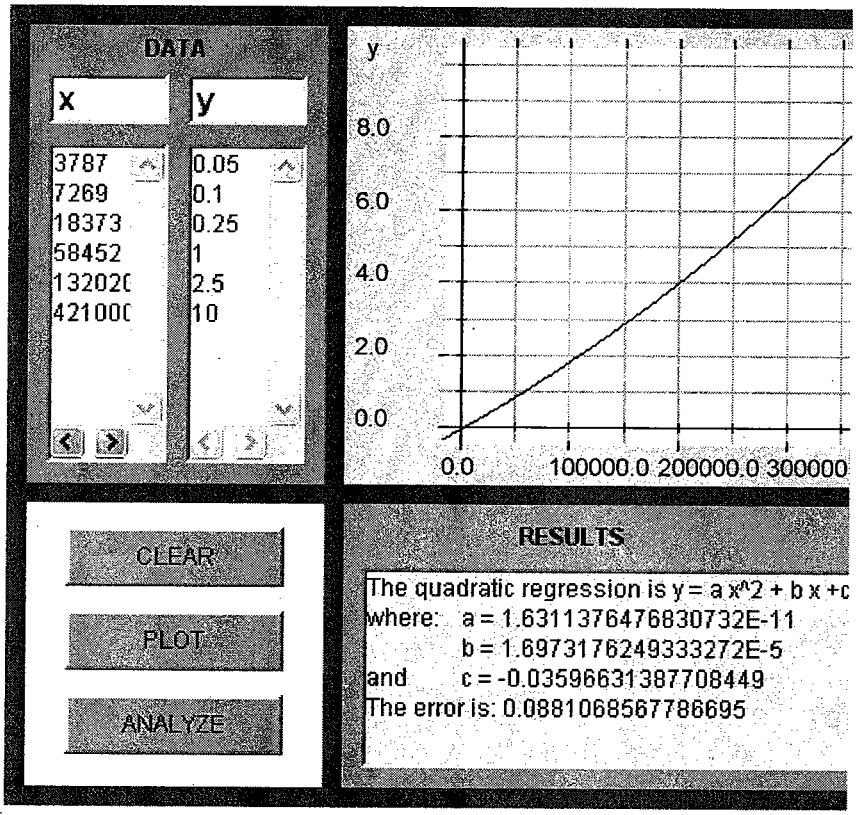

This applet has two functions: plotting and finding the quadratic func
approximates the user supplied data. Use it as follows:

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO: **M. MARTIN** **DATE:** **NOVEMBER 22, 2005**

FROM: **ERIN M. FAUST** **COPIES:** **DV FILE**

SUBJECT: **INORGANIC DATA VALIDATION – TAL METALS AND MISCELLANEOUS PARAMETERS**
LOCKHEED MIDDLE RIVER
SAMPLE DELIVERY GROUP (SDG) – MID-7

SAMPLES: 11/Sediment/

SD-36-SS	SD-37-SS	SD-38-SS
SD-39-SS	SD-40-01	SD-40-02
SD-40-SS	SD-41-SS	SD-42-01
SD-42-02	SD-42-SS	

Overview

The sample set for Lockheed Middle River, SDG MID-7, consists of eleven (11) sediment environmental samples.

All samples were analyzed for antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, zinc and hexavalent chromium. In addition, samples SD-39-SS, SD-40-SS, SD-40-01 and SD-40-02 were also analyzed for total organic carbon (TOC). The samples were collected on October 21, 2005 and analyzed by Katahdin Analytical Services. Metals analyses, with the exception of mercury, were conducted using SW-846 method 6010B. Mercury analyses were conducted using SW-846 method 7471A. Analyses for hexavalent chromium were conducted using SW-846 method 7196A. TOC analyses were conducted using the Lloyd Kahn method.

Summary

All analytes were successfully analyzed. The findings offered in this report are based upon a general review of all available data. The data review was based on data completeness, holding times, calibration data, laboratory method/preparation blanks, interference check sample (ICS) results, laboratory control sample (LCS) results, detection limits and analyte quantitation.

All metals analyses, with the exception of mercury, were conducted using Inductively Coupled Plasma (ICP) instrumentation. Mercury analyses were conducted using Cold Vapor Atomic Absorption (CVAA) instrumentation.

Areas of concern with respect to data quality are listed below.

Minor Problems

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

Analyte	Maximum Concentration	Action Level
Barium	0.36 µg/L	0.18 mg/kg
Cadmium	0.54 µg/L	0.27 mg/kg
Chromium[(1)]	0.102 mg/kg	0.51 mg/kg
Cobalt	1.72 µg/L	0.86 mg/kg
Silver	2.51 µg/L	1.255 mg/kg
Thallium	7.47 µg/L	3.735 mg/kg
Zinc[(1)]	0.287 mg/kg	1.435 mg/kg

[(1)] Maximum concentration present in a laboratory preparation blank.

An action level of five times the maximum contaminant level has been used to evaluate 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 blank action level reported for silver and thallium were qualified "B" as a result of laboratory blank contamination.

- Positive and nondetected results reported for all analytes in samples SD-36-SS, SD-37-SS, SD-38-SS, SD-39-SS, SD-40-SS and SD-41-SS were qualified as estimated, "J" and "UJ", respectively, due to low (< 30%) percent solids.

Notes

The laboratory did not perform matrix spike (MS), laboratory duplicate or ICP serial dilution analyses for metals or hexavalent chromium on any of the samples within this SDG.

The Contract Required Detection Limit (CRDL) percent recoveries for antimony, chromium and zinc on 10/31/05 at 18:03 were > 110% quality control limit, affecting all samples. No validation action was necessary because all results for antimony, chromium and zinc were either reported by the laboratory as nondetected or were greater than two times the CRDL.

The CRDL percent recoveries for copper and lead on 10/31/05 at 18:03 were < 90% quality control limit, affecting all samples. No validation action was necessary because all results for copper and lead were greater than two times the CRDL.

The CRDL percent recoveries for thallium on 11/1/05 at 18:48 and 21:33 were > 110% quality control limit, affecting all samples. No validation action was necessary because all results for thallium were either reported by the laboratory as nondetected or were qualified "B" as a result of laboratory blank contamination.

The CRDL percent recovery for vanadium on 11/2/05 at 01:51 was < 90% quality control limit, affecting all samples. No validation action was necessary because all results for vanadium were greater than two times the CRDL.

The Practical Quantitation Limit (PQL) percent recoveries for cadmium, cobalt, molybdenum, selenium and zinc on 10/31/05 were > 110% quality control limit. No validation action was taken based on the PQL percent recoveries.

The PQL percent recoveries for arsenic and thallium on 11/1/05 were > 110% quality control limit. No validation action was taken based on the PQL percent recoveries.

Arsenic was analyzed at a 3X dilution in sample SD-42-01.

Executive Summary

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

Other Factors Affecting Data Quality: Several analytes were qualified due to low percent solids in several samples.

The data for these analyses were reviewed with reference to the "National Functional Guidelines for Inorganic Data Validation", April 1993 as amended for use within USEPA Region III.

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

Tetra Tech NUS
Erin M. Faust
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

Data Qualifier Key:

U - Value is a nondetect as reported by the laboratory.

B - Positive result is considered to be an artifact of blank contamination and should not be considered present.

UJ - Nondetected result is considered estimated, "UJ", as a result of technical noncompliances.

J - Positive result is considered estimated, "J", as a result of technical noncompliances.

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: 00275

SDG: MID-7 MEDIA: SOIL DATA FRACTION: M

nsample	SD-36-SS
samp_date	10/21/2005
lab_id	WV5606-001
qc_type	NM
units	MG/KG
Pct_Solids	26.7
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANTIMONY	1.25	UJ	Y
ARSENIC	9.6	J	Y
BARIUM	56.3	J	Y
BERYLLIUM	1.8	J	Y
CADMIUM	4.7	J	Y
CHROMIUM	152	J	Y
COBALT	18.9	J	Y
COPPER	138	J	Y
LEAD	115	J	Y
MERCURY	0.34	J	Y
MOLYBDENUM	1.0	J	Y
NICKEL	39.7	J	Y
SELENIUM	1.6	J	Y
SILVER	2.1	B	A
THALLIUM	1.87	UJ	Y
VANADIUM	48.2	J	Y
ZINC	327	J	Y

nsample	SD-37-SS
samp_date	10/21/2005
lab_id	WV5606-002
qc_type	NM
units	MG/KG
Pct_Solids	23.6
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANTIMONY	1.41	UJ	Y
ARSENIC	8.5	J	Y
BARIUM	42.8	J	Y
BERYLLIUM	1.5	J	Y
CADMIUM	4.3	J	Y
CHROMIUM	113	J	Y
COBALT	15.0	J	Y
COPPER	114	J	Y
LEAD	86.8	J	Y
MERCURY	0.26	J	Y
MOLYBDENUM	1.2	J	Y
NICKEL	31.7	J	Y
SELENIUM	1.23	UJ	Y
SILVER	1.7	B	A
THALLIUM	2.11	UJ	Y
VANADIUM	38.1	J	Y
ZINC	270	J	Y

nsample	SD-38-SS
samp_date	10/21/2005
lab_id	WV5606-003
qc_type	NM
units	MG/KG
Pct_Solids	20.7
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANTIMONY	1.26	UJ	Y
ARSENIC	9.7	J	Y
BARIUM	55.4	J	Y
BERYLLIUM	1.9	J	Y
CADMIUM	5.5	J	Y
CHROMIUM	158	J	Y
COBALT	18.0	J	Y
COPPER	146	J	Y
LEAD	118	J	Y
MERCURY	0.36	J	Y
MOLYBDENUM	1.9	J	Y
NICKEL	37.9	J	Y
SELENIUM	1.1	UJ	Y
SILVER	1.9	B	A
THALLIUM	1.9	B	A
VANADIUM	48.1	J	Y
ZINC	333	J	Y

PROJ_NO: 00275

SDG: MID-7 MEDIA: SOIL DATA FRACTION: M

nsample	SD-39-SS
samp_date	10/21/2005
lab_id	WV5606-004
qc_type	NM
units	MG/KG
Pct_Solids	29.8
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANTIMONY	0.86	UJ	Y
ARSENIC	7.4	J	Y
BARIUM	32.6	J	Y
BERYLLIUM	1.2	J	Y
CADMIUM	5.3	J	Y
CHROMIUM	127	J	Y
COBALT	13.1	J	Y
COPPER	118	J	Y
LEAD	105	J	Y
MERCURY	0.38	J	Y
MOLYBDENUM	1.2	J	Y
NICKEL	26.6	J	Y
SELENIUM	0.75	UJ	Y
SILVER	1.8	B	A
THALLIUM	1.28	UJ	Y
VANADIUM	30.2	J	Y
ZINC	260	J	Y

nsample	SD-40-01
samp_date	10/21/2005
lab_id	WV5606-006
qc_type	NM
units	MG/KG
Pct_Solids	38.1
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANTIMONY	0.66	U	
ARSENIC	5.4		
BARIUM	52.4		
BERYLLIUM	2.2		
CADMIUM	31.2		
CHROMIUM	475		
COBALT	20.9		
COPPER	93.7		
LEAD	182		
MERCURY	0.67		
MOLYBDENUM	1.4		
NICKEL	45.8		
SELENIUM	0.61		
SILVER	5.4		
THALLIUM	1.0	B	A
VANADIUM	50.7		
ZINC	430		

nsample	SD-40-02
samp_date	10/21/2005
lab_id	WV5606-007
qc_type	NM
units	MG/KG
Pct_Solids	37.6
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANTIMONY	0.94	U	
ARSENIC	4.0		
BARIUM	73.5		
BERYLLIUM	2.2		
CADMIUM	56.6		
CHROMIUM	945		
COBALT	20.0		
COPPER	113		
LEAD	316		
MERCURY	0.61		
MOLYBDENUM	1.9		
NICKEL	51.2		
SELENIUM	0.82	U	
SILVER	3.4		
THALLIUM	1.41	U	
VANADIUM	66.3		
ZINC	559		

PROJ_NO: 00275

SDG: MID-7 MEDIA: SOIL DATA FRACTION: M

nsample	SD-40-SS
samp_date	10/21/2005
lab_id	WV5606-005
qc_type	NM
units	MG/KG
Pct_Solids	27.7
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANTIMONY	1.21	UJ	Y
ARSENIC	8.6	J	Y
BARIUM	71.6	J	Y
BERYLLIUM	2.6	J	Y
CADMIUM	24.0	J	Y
CHROMIUM	361	J	Y
COBALT	26.6	J	Y
COPPER	111	J	Y
LEAD	216	J	Y
MERCURY	0.52	J	Y
MOLYBDENUM	2.3	J	Y
NICKEL	53.8	J	Y
SELENIUM	1.05	UJ	Y
SILVER	3.4	B	A
THALLIUM	1.8	UJ	Y
VANADIUM	61.7	J	Y
ZINC	548	J	Y

nsample	SD-41-SS
samp_date	10/21/2005
lab_id	WV5606-008
qc_type	NM
units	MG/KG
Pct_Solids	26.6
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANTIMONY	0.89	UJ	Y
ARSENIC	6.0	J	Y
BARIUM	41.7	J	Y
BERYLLIUM	1.6	J	Y
CADMIUM	10.6	J	Y
CHROMIUM	173	J	Y
COBALT	14.5	J	Y
COPPER	105	J	Y
LEAD	108	J	Y
MERCURY	0.35	J	Y
MOLYBDENUM	1.3	J	Y
NICKEL	29.8	J	Y
SELENIUM	1.0	J	Y
SILVER	1.6	B	A
THALLIUM	1.33	UJ	Y
VANADIUM	33.6	J	Y
ZINC	313	J	Y

nsample	SD-42-01
samp_date	10/21/2005
lab_id	WV5606-010
qc_type	NM
units	MG/KG
Pct_Solids	53.2
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANTIMONY	0.58	U	
ARSENIC	1.46	U	
BARIUM	54.2		
BERYLLIUM	1.2		
CADMIUM	157		
CHROMIUM	1100		
COBALT	12.0		
COPPER	95.6		
LEAD	256		
MERCURY	0.52		
MOLYBDENUM	1.7		
NICKEL	39.3		
SELENIUM	0.51	U	
SILVER	7.5		
THALLIUM	0.87	U	
VANADIUM	42.3		
ZINC	598		

PROJ_NO: 00275

SDG: MID-7 MEDIA: SOIL DATA FRACTION: M

nsample	SD-42-02	nsample	SD-42-SS
samp_date	10/21/2005	samp_date	10/21/2005
lab_id	WV5606-011	lab_id	WV5606-009
qc_type	NM	qc_type	NM
units	MG/KG	units	MG/KG
Pct_Solids	40.0	Pct_Solids	39.6
DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANTIMONY	0.70	U	
ARSENIC	5.6		
BARIUM	37.3		
BERYLLIUM	2.4		
CADMIUM	1.6		
CHROMIUM	46.8		
COBALT	22.3		
COPPER	34.5		
LEAD	68.0		
MERCURY	0.21		
MOLYBDENUM	1.7		
NICKEL	31.5		
SELENIUM	0.61	U	
SILVER	0.46	B	A
THALLIUM	1.05	U	
VANADIUM	34.9		
ZINC	136		

Parameter	Result	Val Qual	Qual Code
ANTIMONY	0.88	U	
ARSENIC	4.2		
BARIUM	44.0		
BERYLLIUM	1.5		
CADMIUM	32.9		
CHROMIUM	354		
COBALT	17.0		
COPPER	101		
LEAD	162		
MERCURY	0.29		
MOLYBDENUM	1.6		
NICKEL	33.8		
SELENIUM	0.77	U	
SILVER	2.7		
THALLIUM	1.31	U	
VANADIUM	33.2		
ZINC	475		

PROJ_NO: 00275

SDG: MID-7 MEDIA: SOIL DATA FRACTION: MISC

nsample	SD-36-SS
samp_date	10/21/2005
lab_id	WV5606-1
qc_type	NM
Pct_Solids	26.7
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
HEXAVALENT CHROMIUM	MG/KG	1.8	UJ	Y
TOTAL SOLIDS	%	27		

nsample	SD-37-SS
samp_date	10/21/2005
lab_id	WV5606-2
qc_type	NM
Pct_Solids	23.6
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
HEXAVALENT CHROMIUM	MG/KG	13.0	J	Y
TOTAL SOLIDS	%	24		

nsample	SD-38-SS
samp_date	10/21/2005
lab_id	WV5606-3
qc_type	NM
Pct_Solids	20.7
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
HEXAVALENT CHROMIUM	MG/KG	2.4	UJ	Y
TOTAL SOLIDS	%	21		

PROJ_NO: 00275

SDG: MID-7 MEDIA: SOIL DATA FRACTION: MISC

nsample	SD-39-SS
samp_date	10/21/2005
lab_id	WV5606-4
qc_type	NM
Pct_Solids	29.8
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
HEXAVALENT CHROMIUM	MG/KG	1.7	UJ	Y
TOTAL ORGANIC CARBON	UG/KG	47000	J	Y
TOTAL SOLIDS	%	30		

nsample	SD-40-01
samp_date	10/21/2005
lab_id	WV5606-6
qc_type	NM
Pct_Solids	38.1
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
HEXAVALENT CHROMIUM	MG/KG	1.3	U	
TOTAL ORGANIC CARBON	UG/KG	46000		
TOTAL SOLIDS	%	38		

nsample	SD-40-02
samp_date	10/21/2005
lab_id	WV5606-7
qc_type	NM
Pct_Solids	37.6
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
HEXAVALENT CHROMIUM	MG/KG	1.3	U	
TOTAL ORGANIC CARBON	UG/KG	50000		
TOTAL SOLIDS	%	38		

PROJ_NO: 00275

SDG: MID-7 MEDIA: SOIL DATA FRACTION: MISC

nsample	SD-40-SS
samp_date	10/21/2005
lab_id	WV5606-5
qc_type	NM
Pct_Solids	27.7
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
HEXAVALENT CHROMIUM	MG/KG	1.8	UJ	Y
TOTAL ORGANIC CARBON	UG/KG	46000	J	Y
TOTAL SOLIDS	%	28		

nsample	SD-41-SS
samp_date	10/21/2005
lab_id	WV5606-8
qc_type	NM
Pct_Solids	26.6
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
HEXAVALENT CHROMIUM	MG/KG	1.9	UJ	Y
TOTAL SOLIDS	%	26		

nsample	SD-42-01
samp_date	10/21/2005
lab_id	WV5606-10
qc_type	NM
Pct_Solids	53.2
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
HEXAVALENT CHROMIUM	MG/KG	1.6		
TOTAL SOLIDS	%	53		

PROJ_NO: 00275

SDG: MID-7 MEDIA: SOIL DATA FRACTION: MISC

nsample	SD-42-02
samp_date	10/21/2005
lab_id	WV5606-11
qc_type	NM
Pct_Solids	40.0
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
HEXAVALENT CHROMIUM	MG/KG	1.2	U	
TOTAL SOLIDS	%	40		

nsample	SD-42-SS
samp_date	10/21/2005
lab_id	WV5606-9
qc_type	NM
Pct_Solids	39.6
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
HEXAVALENT CHROMIUM	MG/KG	1.2	U	
TOTAL SOLIDS	%	40		

APPENDIX B
RESULTS AS REPORTED BY THE LABORATORY

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SD-36-SS

Matrix: SOIL **SDG Name:** MID-7

Percent Solids: 26.7 **Lab Sample ID:** WV5606-001

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-36-0	ANTIMONY, TOTAL	1.25	U		P	1	2.4	1.25
7440-38-2	ARSENIC, TOTAL	9.6			P	1	2.4	1.05
7440-39-3	BARIUM, TOTAL	56.3			P	1	1.5	0.08
7440-41-7	BERYLLIUM, TOTAL	1.8			P	1	1.5	0.11
7440-43-9	CADMIUM, TOTAL	4.7			P	1	3.0	0.12
7440-47-3	CHROMIUM, TOTAL	152			P	1	4.6	0.31
7440-48-4	COBALT, TOTAL	18.9			P	1	9.1	0.34
7440-50-8	COPPER, TOTAL	138			P	1	7.6	0.53
7439-92-1	LEAD, TOTAL	115			P	1	1.5	0.50
7439-97-6	MERCURY, TOTAL	0.34			CV	1	0.10	0.01
7439-98-7	MOLYBDENUM, TOTAL	1.0	B		P	1	30	0.61
7440-02-0	NICKEL, TOTAL	39.7			P	1	12	0.47
7782-49-2	SELENIUM, TOTAL	1.6	B		P	1	3.0	1.09
7440-22-4	SILVER, TOTAL	2.1	B		P	1	4.6	0.32
7440-28-0	THALLIUM, TOTAL	1.87	U		P	1	4.6	1.87
7440-62-2	VANADIUM, TOTAL	48.2			P	1	7.6	0.41
7440-66-6	ZINC, TOTAL	327			P	1	7.6	0.18

Color Before: N/A Texture: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SD-37-SS

Matrix: SOIL **SDG Name:** MID-7

Percent Solids: 23.6 **Lab Sample ID:** WV5606-002

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-36-0	ANTIMONY, TOTAL	1.41	U		P	1	2.8	1.41
7440-38-2	ARSENIC, TOTAL	8.5			P	1	2.8	1.19
7440-39-3	BARIUM, TOTAL	42.8			P	1	1.7	0.09
7440-41-7	BERYLLIUM, TOTAL	1.5	B		P	1	1.7	0.12
7440-43-9	CADMIUM, TOTAL	4.3			P	1	3.4	0.14
7440-47-3	CHROMIUM, TOTAL	113			P	1	5.2	0.35
7440-48-4	COBALT, TOTAL	15.0			P	1	10	0.39
7440-50-8	COPPER, TOTAL	114			P	1	8.6	0.60
7439-92-1	LEAD, TOTAL	86.8			P	1	1.7	0.57
7439-97-6	MERCURY, TOTAL	0.26			CV	1	0.11	0.01
7439-98-7	MOLYBDENUM, TOTAL	1.2	B		P	1	34	0.69
7440-02-0	NICKEL, TOTAL	31.7			P	1	14	0.53
7782-49-2	SELENIUM, TOTAL	1.23	U		P	1	3.4	1.23
7440-22-4	SILVER, TOTAL	1.7	B		P	1	5.2	0.36
7440-28-0	THALLIUM, TOTAL	2.11	U		P	1	5.2	2.11
7440-62-2	VANADIUM, TOTAL	38.1			P	1	8.6	0.47
7440-66-6	ZINC, TOTAL	270			P	1	8.6	0.20

Color Before: N/A Texture: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SD-38-SS

Matrix: SOIL **SDG Name:** MID-7

Percent Solids: 20.7 **Lab Sample ID:** WV5606-003

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-36-0	ANTIMONY, TOTAL	1.26	U		P	1	2.4	1.26
7440-38-2	ARSENIC, TOTAL	9.7			P	1	2.4	1.05
7440-39-3	BARIUM, TOTAL	55.4			P	1	1.5	0.08
7440-41-7	BERYLLIUM, TOTAL	1.9			P	1	1.5	0.11
7440-43-9	CADMIUM, TOTAL	5.5			P	1	3.0	0.12
7440-47-3	CHROMIUM, TOTAL	158			P	1	4.6	0.31
7440-48-4	COBALT, TOTAL	18.0			P	1	9.2	0.34
7440-50-8	COPPER, TOTAL	146			P	1	7.6	0.53
7439-92-1	LEAD, TOTAL	118			P	1	1.5	0.50
7439-97-6	MERCURY, TOTAL	0.36			CV	1	0.13	0.01
7439-98-7	MOLYBDENUM, TOTAL	1.9	B		P	1	30	0.61
7440-02-0	NICKEL, TOTAL	37.9			P	1	12	0.47
7782-49-2	SELENIUM, TOTAL	1.10	U		P	1	3.0	1.10
7440-22-4	SILVER, TOTAL	1.9	B		P	1	4.6	0.32
7440-28-0	THALLIUM, TOTAL	1.9	B		P	1	4.6	1.87
7440-62-2	VANADIUM, TOTAL	48.1			P	1	7.6	0.42
7440-66-6	ZINC, TOTAL	333			P	1	7.6	0.18

Color Before: N/A Texture: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SD-39-SS

Matrix: SOIL **SDG Name:** MID-7

Percent Solids: 29.8 **Lab Sample ID:** WV5606-004

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-36-0	ANTIMONY, TOTAL	0.86	U		P	1	1.7	0.86
7440-38-2	ARSENIC, TOTAL	7.4			P	1	1.7	0.72
7440-39-3	BARIUM, TOTAL	32.6			P	1	1.0	0.06
7440-41-7	BERYLLIUM, TOTAL	1.2			P	1	1.0	0.07
7440-43-9	CADMIUM, TOTAL	5.3			P	1	2.1	0.08
7440-47-3	CHROMIUM, TOTAL	127			P	1	3.1	0.21
7440-48-4	COBALT, TOTAL	13.1			P	1	6.2	0.23
7440-50-8	COPPER, TOTAL	118			P	1	5.2	0.36
7439-92-1	LEAD, TOTAL	105			P	1	1.0	0.34
7439-97-6	MERCURY, TOTAL	0.38			CV	1	0.10	0.01
7439-98-7	MOLYBDENUM, TOTAL	1.2	B		P	1	21	0.42
7440-02-0	NICKEL, TOTAL	26.6			P	1	8.3	0.32
7782-49-2	SELENIUM, TOTAL	0.75	U		P	1	2.1	0.75
7440-22-4	SILVER, TOTAL	1.8	B		P	1	3.1	0.22
7440-28-0	THALLIUM, TOTAL	1.28	U		P	1	3.1	1.28
7440-62-2	VANADIUM, TOTAL	30.2			P	1	5.2	0.28
7440-66-6	ZINC, TOTAL	260			P	1	5.2	0.12

Color Before: N/A Texture: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SD-40-01

Matrix: SOIL **SDG Name:** MID-7

Percent Solids: 38.1 **Lab Sample ID:** WV5606-006

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-36-0	ANTIMONY, TOTAL	0.66	U		P	1	1.3	0.66
7440-38-2	ARSENIC, TOTAL	5.4			P	1	1.3	0.55
7440-39-3	BARIUM, TOTAL	52.4			P	1	0.80	0.04
7440-41-7	BERYLLIUM, TOTAL	2.2			P	1	0.80	0.06
7440-43-9	CADMIUM, TOTAL	31.2			P	1	1.6	0.06
7440-47-3	CHROMIUM, TOTAL	475			P	1	2.4	0.16
7440-48-4	COBALT, TOTAL	20.9			P	1	4.8	0.18
7440-50-8	COPPER, TOTAL	93.7			P	1	4.0	0.28
7439-92-1	LEAD, TOTAL	182			P	1	0.80	0.27
7439-97-6	MERCURY, TOTAL	0.67			CV	1	0.082	0.01
7439-98-7	MOLYBDENUM, TOTAL	1.4	B		P	1	16	0.32
7440-02-0	NICKEL, TOTAL	45.8			P	1	6.4	0.25
7782-49-2	SELENIUM, TOTAL	0.61	B		P	1	1.6	0.58
7440-22-4	SILVER, TOTAL	5.4			P	1	2.4	0.17
7440-28-0	THALLIUM, TOTAL	1.0	B		P	1	2.4	0.99
7440-62-2	VANADIUM, TOTAL	50.7			P	1	4.0	0.22
7440-66-6	ZINC, TOTAL	430			P	1	4.0	0.09

Color Before: N/A Texture: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SD-40-02

Matrix: SOIL **SDG Name:** MID-7

Percent Solids: 37.6 **Lab Sample ID:** WV5606-007

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-36-0	ANTIMONY, TOTAL	0.94	U		P	1	1.8	0.94
7440-38-2	ARSENIC, TOTAL	4.0			P	1	1.8	0.79
7440-39-3	BARIUM, TOTAL	73.5			P	1	1.1	0.06
7440-41-7	BERYLLIUM, TOTAL	2.2			P	1	1.1	0.08
7440-43-9	CADMIUM, TOTAL	56.6			P	1	2.3	0.09
7440-47-3	CHROMIUM, TOTAL	945			P	1	3.4	0.23
7440-48-4	COBALT, TOTAL	20.0			P	1	6.9	0.26
7440-50-8	COPPER, TOTAL	113			P	1	5.7	0.40
7439-92-1	LEAD, TOTAL	316			P	1	1.1	0.38
7439-97-6	MERCURY, TOTAL	0.61			CV	1	0.069	0.01
7439-98-7	MOLYBDENUM, TOTAL	1.9	B		P	1	23	0.46
7440-02-0	NICKEL, TOTAL	51.2			P	1	9.2	0.35
7782-49-2	SELENIUM, TOTAL	0.82	U		P	1	2.3	0.82
7440-22-4	SILVER, TOTAL	3.4	B		P	1	3.4	0.24
7440-28-0	THALLIUM, TOTAL	1.41	U		P	1	3.4	1.41
7440-62-2	VANADIUM, TOTAL	66.3			P	1	5.7	0.31
7440-66-6	ZINC, TOTAL	559			P	1	5.7	0.14

Color Before: N/A Texture: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SD-40-SS

Matrix: SOIL **SDG Name:** MID-7

Percent Solids: 27.7 **Lab Sample ID:** WV5606-005

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-36-0	ANTIMONY, TOTAL	1.21	U		P	1	2.3	1.21
7440-38-2	ARSENIC, TOTAL	8.6			P	1	2.3	1.01
7440-39-3	BARIUM, TOTAL	71.6			P	1	1.5	0.08
7440-41-7	BERYLLIUM, TOTAL	2.6			P	1	1.5	0.10
7440-43-9	CADMIUM, TOTAL	24.0			P	1	2.9	0.12
7440-47-3	CHROMIUM, TOTAL	361			P	1	4.4	0.30
7440-48-4	COBALT, TOTAL	26.6			P	1	8.8	0.33
7440-50-8	COPPER, TOTAL	111			P	1	7.3	0.51
7439-92-1	LEAD, TOTAL	216			P	1	1.5	0.48
7439-97-6	MERCURY, TOTAL	0.52			CV	1	0.10	0.01
7439-98-7	MOLYBDENUM, TOTAL	2.3	B		P	1	29	0.59
7440-02-0	NICKEL, TOTAL	53.8			P	1	12	0.45
7782-49-2	SELENIUM, TOTAL	1.05	U		P	1	2.9	1.05
7440-22-4	SILVER, TOTAL	3.4	B		P	1	4.4	0.31
7440-28-0	THALLIUM, TOTAL	1.80	U		P	1	4.4	1.80
7440-62-2	VANADIUM, TOTAL	61.7			P	1	7.3	0.40
7440-66-6	ZINC, TOTAL	548			P	1	7.3	0.17

Color Before: N/A Texture: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SD-41-SS

Matrix: SOIL **SDG Name:** MID-7

Percent Solids: 26.6 **Lab Sample ID:** WV5606-008

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-36-0	ANTIMONY, TOTAL	0.89	U		P	1	1.7	0.89
7440-38-2	ARSENIC, TOTAL	6.0			P	1	1.7	0.75
7440-39-3	BARIUM, TOTAL	41.7			P	1	1.1	0.06
7440-41-7	BERYLLIUM, TOTAL	1.6			P	1	1.1	0.08
7440-43-9	CADMIUM, TOTAL	10.6			P	1	2.2	0.09
7440-47-3	CHROMIUM, TOTAL	173			P	1	3.2	0.22
7440-48-4	COBALT, TOTAL	14.5			P	1	6.5	0.24
7440-50-8	COPPER, TOTAL	105			P	1	5.4	0.38
7439-92-1	LEAD, TOTAL	108			P	1	1.1	0.36
7439-97-6	MERCURY, TOTAL	0.35			CV	1	0.12	0.01
7439-98-7	MOLYBDENUM, TOTAL	1.3	B		P	1	22	0.43
7440-02-0	NICKEL, TOTAL	29.8			P	1	8.6	0.33
7782-49-2	SELENIUM, TOTAL	1.0	B		P	1	2.2	0.78
7440-22-4	SILVER, TOTAL	1.6	B		P	1	3.2	0.22
7440-28-0	THALLIUM, TOTAL	1.33	U		P	1	3.2	1.33
7440-62-2	VANADIUM, TOTAL	33.6			P	1	5.4	0.29
7440-66-6	ZINC, TOTAL	313			P	1	5.4	0.13

Color Before: N/A Texture: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SD-42-01

Matrix: SOIL **SDG Name:** MID-7

Percent Solids: 53.2 **Lab Sample ID:** WV5606-010

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-36-0	ANTIMONY, TOTAL	0.58	U		P	1	1.1	0.58
7440-38-2	ARSENIC, TOTAL	1.46	U		P	3	3.4	1.46
7440-39-3	BARIUM, TOTAL	54.2			P	1	0.71	0.04
7440-41-7	BERYLLIUM, TOTAL	1.2			P	1	0.71	0.05
7440-43-9	CADMIUM, TOTAL	157			P	1	1.4	0.06
7440-47-3	CHROMIUM, TOTAL	1100			P	1	2.1	0.14
7440-48-4	COBALT, TOTAL	12.0			P	1	4.2	0.16
7440-50-8	COPPER, TOTAL	95.6			P	1	3.5	0.25
7439-92-1	LEAD, TOTAL	256			P	1	0.71	0.23
7439-97-6	MERCURY, TOTAL	0.52			CV	1	0.057	0.01
7439-98-7	MOLYBDENUM, TOTAL	1.7	B		P	1	14	0.28
7440-02-0	NICKEL, TOTAL	39.3			P	1	5.6	0.22
7782-49-2	SELENIUM, TOTAL	0.51	U		P	1	1.4	0.51
7440-22-4	SILVER, TOTAL	7.5			P	1	2.1	0.15
7440-28-0	THALLIUM, TOTAL	0.87	U		P	1	2.1	0.87
7440-62-2	VANADIUM, TOTAL	42.3			P	1	3.5	0.19
7440-66-6	ZINC, TOTAL	598			P	1	3.5	0.08

Color Before: N/A Texture: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SD-42-02

Matrix: SOIL **SDG Name:** MID-7

Percent Solids: 40.0 **Lab Sample ID:** WV5606-011

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-36-0	ANTIMONY, TOTAL	0.70	U		P	1	1.4	0.70
7440-38-2	ARSENIC, TOTAL	5.6			P	1	1.4	0.59
7440-39-3	BARIUM, TOTAL	37.3			P	1	0.86	0.05
7440-41-7	BERYLLIUM, TOTAL	2.4			P	1	0.86	0.06
7440-43-9	CADMIUM, TOTAL	1.6	B		P	1	1.7	0.07
7440-47-3	CHROMIUM, TOTAL	46.8			P	1	2.6	0.17
7440-48-4	COBALT, TOTAL	22.3			P	1	5.1	0.19
7440-50-8	COPPER, TOTAL	34.5			P	1	4.3	0.30
7439-92-1	LEAD, TOTAL	68.0			P	1	0.86	0.28
7439-97-6	MERCURY, TOTAL	0.21			CV	1	0.077	0.01
7439-98-7	MOLYBDENUM, TOTAL	1.7	B		P	1	17	0.34
7440-02-0	NICKEL, TOTAL	31.5			P	1	6.8	0.26
7782-49-2	SELENIUM, TOTAL	0.61	U		P	1	1.7	0.61
7440-22-4	SILVER, TOTAL	0.46	B		P	1	2.6	0.18
7440-28-0	THALLIUM, TOTAL	1.05	U		P	1	2.6	1.05
7440-62-2	VANADIUM, TOTAL	34.9			P	1	4.3	0.23
7440-66-6	ZINC, TOTAL	136			P	1	4.3	0.10

Color Before: N/A Texture: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SD-42-SS

Matrix: SOIL **SDG Name:** MID-7

Percent Solids: 39.6 **Lab Sample ID:** WV5606-009

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-36-0	ANTIMONY, TOTAL	0.88	U		P	1	1.7	0.88
7440-38-2	ARSENIC, TOTAL	4.2			P	1	1.7	0.74
7440-39-3	BARIUM, TOTAL	44.0			P	1	1.1	0.06
7440-41-7	BERYLLIUM, TOTAL	1.5			P	1	1.1	0.07
7440-43-9	CADMIUM, TOTAL	32.9			P	1	2.1	0.09
7440-47-3	CHROMIUM, TOTAL	354			P	1	3.2	0.22
7440-48-4	COBALT, TOTAL	17.0			P	1	6.4	0.24
7440-50-8	COPPER, TOTAL	101			P	1	5.4	0.37
7439-92-1	LEAD, TOTAL	162			P	1	1.1	0.35
7439-97-6	MERCURY, TOTAL	0.29			CV	1	0.063	0.01
7439-98-7	MOLYBDENUM, TOTAL	1.6	B		P	1	21	0.43
7440-02-0	NICKEL, TOTAL	33.8			P	1	8.6	0.33
7782-49-2	SELENIUM, TOTAL	0.77	U		P	1	2.1	0.77
7440-22-4	SILVER, TOTAL	2.7	B		P	1	3.2	0.22
7440-28-0	THALLIUM, TOTAL	1.31	U		P	1	3.2	1.31
7440-62-2	VANADIUM, TOTAL	33.2			P	1	5.4	0.29
7440-66-6	ZINC, TOTAL	475			P	1	5.4	0.13

Color Before: N/A Texture: N/A

Color After: N/A Clarity After: N/A

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: WV5606-1
Report Date: 01-NOV-05
Client PO: 1004810
Project: MIDDLE RIVER
SDG: MID-7

Sample Description	Matrix	Date Sampled	Date Received
SD-36-SS	SL	21-OCT-05	22-OCT-05

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Chromium, Hexavalent	U1.8 mg/Kgdrywt	1.8	SW846 7196A	WG22159	28-OCT-05 09:20:00	SW846 3060A	27-OCT-05	MW	
Total Solids	27. %	1	CLP SOW 788	WG22068	26-OCT-05 13:27:00	CLP SOW 788	25-OCT-05	JF	

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WV5606-2
Report Date: 01-NOV-05
Client PO: 1004810
Project: MIDDLE RIVER
SDG: MID-7

Sample Description	Matrix	Date Sampled	Date Received
SD-37-SS	SL	21-OCT-05	22-OCT-05

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Chromium, Hexavalent	13. mg/Kgdrywt	2.1	SW846 7196A	WG22234	29-OCT-05 10:04:00	SW846 3060A	28-OCT-05	MW	
Total Solids	24. %	1	CLP SOW 788	WG22068	26-OCT-05 13:28:00	CLP SOW 788	25-OCT-05	JF	

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WV5606-3
Report Date: 01-NOV-05
Client PO: 1004810
Project: MIDDLE RIVER
SDG: MID-7

Sample Description	Matrix	Date Sampled	Date Received
SD-38-SS	SL	21-OCT-05	22-OCT-05

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Chromium, Hexavalent	U2.4 mg/Kgdrywt	2.4	SW846 7196A	WG22234	29-OCT-05 10:04:00	SW846 3060A	28-OCT-05	MW	
Total Solids	21. %	1	CLP SOW 788	WG22068	26-OCT-05 13:29:00	CLP SOW 788	25-OCT-05	JF	

Katahdin
ANALYTICAL SERVICES

Accredited in accordance with nelac
Cert No E87604

Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WV5606-4
Report Date: 01-NOV-05
Client PO: 1004810
Project: MIDDLE RIVER
SDG: MID-7

Sample Description	Matrix	Date Sampled	Date Received
SD-39-SS	SL	21-OCT-05	22-OCT-05

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Chromium, Hexavalent	U1.7 mg/Kgdrywt	1.7	SW846 7196A	WG22234	29-OCT-05 10:04:00	SW846 3060A	28-OCT-05	MW	
TOC In Soil	47000 ug/g	1300	LLOYDKAHN	WG22229	29-OCT-05 13:05:40	N/A	N/A	CP	
Total Solids	30. %	1	CLP SOW 788	WG22068	26-OCT-05 13:30:00	CLP SOW 788	25-OCT-05	JF	

Katahdin
ANALYTICAL SERVICES

ACCREDITED IN ACCORDANCE WITH nelac
Cert No E87604

Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WV5606-6
Report Date: 01-NOV-05
Client PO: 1004810
Project: MIDDLE RIVER
SDG: MID-7

Sample Description	Matrix	Date Sampled	Date Received
SD-40-01	SL	21-OCT-05	22-OCT-05

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Chromium, Hexavalent	U1.3 mg/Kgdrywt	1.3	SW846 7196A	WG22234	29-OCT-05 10:04:00	SW846 3060A	28-OCT-05	MW	
TOC In Soil	46000 ug/g	1000	LLOYDKAHN	WG22228	28-OCT-05 13:43:29	N/A	N/A	CP	
Total Solids	38. %	1	CLP SOW 788	WG22068	26-OCT-05 13:33:00	CLP SOW 788	25-OCT-05	JF	

Katahdin
ANALYTICAL SERVICES

Accredited in accordance with nelac
Cert No E87604

Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WV5606-7
Report Date: 01-NOV-05
Client PO: 1004810
Project: MIDDLE RIVER
SDG: MID-7

Sample Description	Matrix	Date Sampled	Date Received
SD-40-02	SL	21-OCT-05	22-OCT-05

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Chromium, Hexavalent	U1.3 mg/Kgdrywt	1.3	SW846 7196A	WG22234	29-OCT-05 10:04:00	SW846 3060A	28-OCT-05	MW	
TOC In Soil	50000 ug/g	1100	LLOYDKAHN	WG22229	29-OCT-05 13:34:31	N/A	N/A	CP	
Total Solids	38. %	1	CLP SOW 788	WG22068	26-OCT-05 13:34:00	CLP SOW 788	25-OCT-05	JF	

Katahdin
ANALYTICAL SERVICES

Accredited in accordance with nelac
Cert No E87604

Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WV5606-5
Report Date: 01-NOV-05
Client PO: 1004810
Project: MIDDLE RIVER
SDG: MID-7

Sample Description	Matrix	Date Sampled	Date Received
SD-40-SS	SL	21-OCT-05	22-OCT-05

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Chromium, Hexavalent	U1.8 mg/Kgdrywt	1.8	SW846 7196A	WG22234	29-OCT-05 10:04:00	SW846 3060A	28-OCT-05	MW	
TOC In Soil	46000 ug/g	1400	LLOYDKAHN	WG22229	29-OCT-05 13:19:04	N/A	N/A	CP	
Total Solids	28. %	1	CLP SOW 788	WG22068	26-OCT-05 13:32:00	CLP SOW 788	25-OCT-05	JF	

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WV5606-8
Report Date: 01-NOV-05
Client PO: 1004810
Project: MIDDLE RIVER
SDG: MID-7

Sample Description	Matrix	Date Sampled	Date Received
SD-41-SS	SL	21-OCT-05	22-OCT-05

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Chromium, Hexavalent	U1.9 mg/Kgdrywt	1.9	SW846 7196A	WG22234	29-OCT-05 10:04:00	SW846 3060A	28-OCT-05	MW	
Total Solids	26. %	1	CLP SOW 788	WG22068	26-OCT-05 13:35:00	CLP SOW 788	25-OCT-05	JF	

Katahdin
ANALYTICAL SERVICES

Accredited in accordance with nelac
Cert No E87604

Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WV5606-10
Report Date: 01-NOV-05
Client PO: 1004810
Project: MIDDLE RIVER
SDG: MID-7

Sample Description	Matrix	Date Sampled	Date Received
SD-42-01	SL	21-OCT-05	22-OCT-05

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Chromium, Hexavalent	1.6 mg/Kgdrywt	.95	SW846 7196A	WG22234	29-OCT-05 10:04:00	SW846 3060A	28-OCT-05	MW	
Total Solids	53. %	1	CLP SOW 788	WG22068	26-OCT-05 13:37:00	CLP SOW 788	25-OCT-05	JF	

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WV5606-11
Report Date: 01-NOV-05
Client PO: 1004810
Project: MIDDLE RIVER
SDG: MID-7

Sample Description	Matrix	Date Sampled	Date Received
SD-42-02	SL	21-OCT-05	22-OCT-05

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Chromium, Hexavalent	U1.2 mg/Kgdrywt	1.2	SW846 7196A	WG22234	29-OCT-05 10:04:00	SW846 3060A	28-OCT-05	MW	
Total Solids	40. %	1	CLP SOW 788	WG22068	26-OCT-05 13:38:00	CLP SOW 788	25-OCT-05	JF	

Katahdin
ANALYTICAL SERVICES

Accredited in accordance with nelac
Cert No E87604

Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WV5606-9
Report Date: 01-NOV-05
Client PO: 1004810
Project: MIDDLE RIVER
SDG: MID-7

Sample Description	Matrix	Date Sampled	Date Received
SD-42-SS	SL	21-OCT-05	22-OCT-05

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Chromium, Hexavalent	U1.2 mg/Kgdrywt	1.2	SW846 7196A	WG22234	29-OCT-05 10:04:00	SW846 3060A	28-OCT-05	MW	
Total Solids	40. %	1	CLP SOW 788	WG22068	26-OCT-05 13:36:00	CLP SOW 788	25-OCT-05	JF	

APPENDIX C
SUPPORT DOCUMENTATION

Katahdin ANALYTICAL SERVICES
340 County Road No. 5
P.O. Box 720
Westbrook, ME 04092
Tel: (207) 874-2400
Fax: (207) 775-4029

CHAIN of CUSTODY

PLEASE BEAR DOWN AND PRINT LEGIBLY IN PEN

Client: Tetra Tech NUS, Inc. | Contact: Mike Martin | Phone #: (301) 528 3033 | Fax #: (301) 525 3000

Address: 20251 Century Blvd | City: Germantown | State: Md | Zip Code: 20874

Purchase Order # | Proj. Name / No. | Katahdin Quote #

Bill (if different than above): As Above | Address

Sampler (Print / Sign): Fred Kolberg FK | Copies To:

LAB USE ONLY | WORK ORDER #: MV5605, MV5606 | KATAHDIN PROJECT NUMBER

REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT

AIRBILL NO:

TEMP°C ____ ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

*	Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	ANALYSIS AND CONTAINER TYPE PRESERVATIVES: Filt. ☐Y ☒N — VOCs 2oz/4oz Glass	Filt. ☐Y ☒N — P.P. METALS 4oz Glass	Filt. ☐Y ☒N — TOC	Filt. ☐Y ☒N — SVOCs PCBs 8oz 9/455	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐
	SD-28-SS	10/21/05 11:30	SED	3	✓	✓		✓						
	SD-28-01	11:35			✓	✓		✓						
	SD-28-02	11:40			✓	✓		✓						
	SD-29-SS	10:40			✓	✓		✓						
	SD-29-01	10:50			✓	✓		✓						
	SD-29-02	11:00			✓	✓		✓						
	SD-30-SS	11:15			✓	✓		✓						
	SD-31-SS	11:45			✓	✓		✓						
	SD-31-01	11:50			✓	✓		✓						
	SD-31-02	11:55		6	✓	✓	✓	✓		+ MS/MSD Volumes				
	SD-32-SS	12:20		3	✓	✓		✓						
	SD-33-SS	10:40		3	✓	✓	✓	✓						
	SD-34-SS	10:20		3	✓	✓		✓						
	SD-35-SS	10:10		3	✓	✓	✓	✓						
	SD-36-SS	10:30		3	✓	✓		✓						
	SD-37-SS	12:10		3	✓	✓		✓						

COMMENTS

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
FK	10/21/05 15:00				
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)

ORIGINAL

Katahdin ANALYTICAL SERVICES
P.O. Box 720
Westbrook, ME 04092
Tel: (207) 874-2400
Fax: (207) 775-4029

CHAIN of CUSTODY

PLEASE BEAR DOWN AND PRINT LEGIBLY IN PEN

Client	Contact	Phone #	Fax #
TetraTech NUS, Inc.	Mike Martin	(301) 528 3033	(301) 528 3000

Address	City	State	Zip Code
20251 Century Blv	Germantown	md	20874

Purchase Order #	Proj. Name / No.	Katahdin Quote #
	LMC - MRC	

Bill (if different than above) Same as Above Address

Sampler (Print / Sign) Fred Kolberg FHK Copies To:

LAB USE ONLY WORK ORDER #: WV5666

KATAHDIN PROJECT NUMBER

REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT

AIRBILL NO:

TEMP°C ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	ANALYSIS AND CONTAINER TYPE PRESERVATIVES: Filt. ☐Y ☒N	VOCs 2 oz/4 oz Glass	P.P. METALS; Cr+6 4-oz Ass	TOC	SVOC/PCBs 8-oz Glass	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N
SD-38-SS	10/21/05 / 12:50	SED	3		✓	✓		✓						
SD-39-SS	/ 10:00				✓	✓	✓	✓						
SD-40-SS	/ 9:00				✓	✓	✓	✓						
SD-40-01	/ 9:15				✓	✓	✓	✓						
SD-40-02	/ 9:30				✓	✓	✓	✓						
SD-41 (FSK) -SS	/ 13:30				✓	✓								
SD-42-SS	/ 7:15				✓	✓								
SD-42-01	/ 7:30				✓	✓								
SD-42-02	/ 7:45				✓	✓								
TB102105	/	H2O	2		✓	✓								
	/													
	/													
	/													
	/													
	/													
	/													

COMMENTS

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
FHK	10/24/05 15:00	FedEx		10/25/05 12:20	
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)

ORIGINAL

HOLDTIME

SDG MID-7

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
HG	MG/KG	SD-41-SS	WV5606-008	NM	10/21/2005	10/28/2005	10/31/2005	7	3	10
HG	MG/KG	SD-40-SS	WV5606-005	NM	10/21/2005	10/28/2005	10/31/2005	7	3	10
HG	MG/KG	SD-42-SS	WV5606-009	NM	10/21/2005	10/28/2005	10/31/2005	7	3	10
HG	MG/KG	SD-42-01	WV5606-010	NM	10/21/2005	10/28/2005	10/31/2005	7	3	10
HG	MG/KG	SD-36-SS	WV5606-001	NM	10/21/2005	10/28/2005	10/31/2005	7	3	10
HG	MG/KG	SD-37-SS	WV5606-002	NM	10/21/2005	10/28/2005	10/31/2005	7	3	10
HG	MG/KG	SD-38-SS	WV5606-003	NM	10/21/2005	10/28/2005	10/31/2005	7	3	10
HG	MG/KG	SD-39-SS	WV5606-004	NM	10/21/2005	10/28/2005	10/31/2005	7	3	10
HG	MG/KG	SD-40-01	WV5606-006	NM	10/21/2005	10/28/2005	10/31/2005	7	3	10
HG	MG/KG	SD-40-02	WV5606-007	NM	10/21/2005	10/28/2005	10/31/2005	7	3	10
HG	MG/KG	SD-42-02	WV5606-011	NM	10/21/2005	10/28/2005	10/31/2005	7	3	10
M	MG/KG	SD-39-SS	WV5606-004	NM	10/21/2005	10/25/2005	11/1/2005	4	7	11
M	MG/KG	SD-39-SS	WV5606-004	NM	10/21/2005	10/25/2005	10/31/2005	4	6	10
M	MG/KG	SD-36-SS	WV5606-001	NM	10/21/2005	10/25/2005	11/1/2005	4	7	11
M	MG/KG	SD-37-SS	WV5606-002	NM	10/21/2005	10/25/2005	11/1/2005	4	7	11

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
M	MG/KG	SD-38-SS	WV5606-003	NM	10/21/2005	10/25/2005	10/31/2005	4	6	10
M	MG/KG	SD-41-SS	WV5606-008	NM	10/21/2005	10/25/2005	10/31/2005	4	6	10
M	MG/KG	SD-42-SS	WV5606-009	NM	10/21/2005	10/25/2005	11/1/2005	4	7	11
M	MG/KG	SD-42-SS	WV5606-009	NM	10/21/2005	10/25/2005	10/31/2005	4	6	10
M	MG/KG	SD-42-02	WV5606-011	NM	10/21/2005	10/25/2005	11/2/2005	4	8	12
M	MG/KG	SD-42-02	WV5606-011	NM	10/21/2005	10/25/2005	10/31/2005	4	6	10
M	MG/KG	SD-42-01	WV5606-010	NM	10/21/2005	10/25/2005	11/2/2005	4	8	12
M	MG/KG	SD-38-SS	WV5606-003	NM	10/21/2005	10/25/2005	11/1/2005	4	7	11
M	MG/KG	SD-41-SS	WV5606-008	NM	10/21/2005	10/25/2005	11/1/2005	4	7	11
M	MG/KG	SD-36-SS	WV5606-001	NM	10/21/2005	10/25/2005	10/31/2005	4	6	10
M	MG/KG	SD-40-SS	WV5606-005	NM	10/21/2005	10/25/2005	11/1/2005	4	7	11
M	MG/KG	SD-40-SS	WV5606-005	NM	10/21/2005	10/25/2005	10/31/2005	4	6	10
M	MG/KG	SD-40-02	WV5606-007	NM	10/21/2005	10/25/2005	11/1/2005	4	7	11
M	MG/KG	SD-40-02	WV5606-007	NM	10/21/2005	10/25/2005	10/31/2005	4	6	10
M	MG/KG	SD-40-01	WV5606-006	NM	10/21/2005	10/25/2005	11/1/2005	4	7	11
M	MG/KG	SD-40-01	WV5606-006	NM	10/21/2005	10/25/2005	10/31/2005	4	6	10
M	MG/KG	SD-42-01	WV5606-010	NM	10/21/2005	10/25/2005	10/31/2005	4	6	10
M	MG/KG	SD-37-SS	WV5606-002	NM	10/21/2005	10/25/2005	10/31/2005	4	6	10

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
CR6	MG/KG	SD-39-SS	WV5606-4	NM	10/21/2005	10/28/2005	10/29/2005	7	1	8
CR6	MG/KG	SD-42-SS	WV5606-9	NM	10/21/2005	10/28/2005	10/29/2005	7	1	8
CR6	MG/KG	SD-38-SS	WV5606-3	NM	10/21/2005	10/28/2005	10/29/2005	7	1	8
CR6	MG/KG	SD-40-01	WV5606-6	NM	10/21/2005	10/28/2005	10/29/2005	7	1	8
CR6	MG/KG	SD-40-02	WV5606-7	NM	10/21/2005	10/28/2005	10/29/2005	7	1	8
CR6	MG/KG	SD-40-SS	WV5606-5	NM	10/21/2005	10/28/2005	10/29/2005	7	1	8
CR6	MG/KG	SD-36-SS	WV5606-1	NM	10/21/2005	10/27/2005	10/28/2005	6	1	7
CR6	MG/KG	SD-41-SS	WV5606-8	NM	10/21/2005	10/28/2005	10/29/2005	7	1	8
CR6	MG/KG	SD-42-01	WV5606-10	NM	10/21/2005	10/28/2005	10/29/2005	7	1	8
CR6	MG/KG	SD-42-02	WV5606-11	NM	10/21/2005	10/28/2005	10/29/2005	7	1	8
CR6	MG/KG	SD-37-SS	WV5606-2	NM	10/21/2005	10/28/2005	10/29/2005	7	1	8
TOC	UG/G	SD-39-SS	WV5606-4	NM	10/21/2005	10/29/2005	10/29/2005	8	0	8
TOC	UG/G	SD-40-01	WV5606-6	NM	10/21/2005	10/28/2005	10/28/2005	7	0	7
TOC	UG/G	SD-40-02	WV5606-7	NM	10/21/2005	10/29/2005	10/29/2005	8	0	8
TOC	UG/G	SD-40-SS	WV5606-5	NM	10/21/2005	10/29/2005	10/29/2005	8	0	8
TS	%	SD-42-SS	WV5606-9	NM	10/21/2005	10/25/2005	10/26/2005	4	1	5
TS	%	SD-40-01	WV5606-6	NM	10/21/2005	10/25/2005	10/26/2005	4	1	5
TS	%	SD-42-02	WV5606-11	NM	10/21/2005	10/25/2005	10/26/2005	4	1	5

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
TS	%	SD-42-01	WV5606-10	NM	10/21/2005	10/25/2005	10/26/2005	4	1	5
TS	%	SD-41-SS	WV5606-8	NM	10/21/2005	10/25/2005	10/26/2005	4	1	5
TS	%	SD-39-SS	WV5606-4	NM	10/21/2005	10/25/2005	10/26/2005	4	1	5
TS	%	SD-38-SS	WV5606-3	NM	10/21/2005	10/25/2005	10/26/2005	4	1	5
TS	%	SD-37-SS	WV5606-2	NM	10/21/2005	10/25/2005	10/26/2005	4	1	5
TS	%	SD-36-SS	WV5606-1	NM	10/21/2005	10/25/2005	10/26/2005	4	1	5
TS	%	SD-40-SS	WV5606-5	NM	10/21/2005	10/25/2005	10/26/2005	4	1	5
TS	%	SD-40-02	WV5606-7	NM	10/21/2005	10/25/2005	10/26/2005	4	1	5
OS	%	SD-39-SS	WV5606-4	NM	10/21/2005	10/26/2005	10/30/2005	5	4	9
OS	%	SD-40-SS	WV5606-5	NM	10/21/2005	10/26/2005	10/30/2005	5	4	9
OS	%	SD-40-02	WV5606-7	NM	10/21/2005	10/26/2005	10/31/2005	5	5	10
OS	%	SD-40-01	WV5606-6	NM	10/21/2005	10/26/2005	10/31/2005	5	5	10
OS	%	SD-38-SS	WV5606-3	NM	10/21/2005	10/26/2005	10/30/2005	5	4	9
OS	%	SD-37-SS	WV5606-2	NM	10/21/2005	10/26/2005	10/29/2005	5	3	8
OS	%	SD-36-SS	WV5606-1	NM	10/21/2005	10/26/2005	10/29/2005	5	3	8
OS	UG/KG	SD-36-SS	WV5606-1	NM	10/21/2005	10/26/2005	10/29/2005	5	3	8
OS	UG/KG	SD-40-SS	WV5606-5	NM	10/21/2005	10/26/2005	10/30/2005	5	4	9
OS	UG/KG	SD-40-02	WV5606-7	NM	10/21/2005	10/26/2005	10/31/2005	5	5	10

Katahdin
ANALYTICAL SERVICES

Cert. No. E87604

SDG NARRATIVE
KATAHDIN ANALYTICAL SERVICES
TETRA TECH NUS
CASE MIDDLE RIVER
SDG: MID-7

Sample Receipt

The following samples were received on October 22, 2005 and were logged in under Katahdin Analytical Services work order number WV5606 for a hardcopy due date of October 28, 2005.

KATAHDIN Sample No.	TTNUS Sample Identification
WV5606-1	SD-36-SS
WV5606-2	SD-37-SS
WV5606-3	SD-38-SS
WV5606-4	SD-39-SS
WV5606-5	SD-40-SS
WV5606-6	SD-40-01
WV5606-7	SD-40-02
WV5606-8	SD-41-SS
WV5606-9	SD-42-SS
WV5606-10	SD-42-01
WV5606-11	SD-42-02

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 MID-7 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, U.S. EPA, 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 a "M" (software-generated) on the pertinent quantitation reports.

Metals Analysis

The samples of SDG MID-7 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 Atomic Emission Spectroscopic Analysis (ICP)

Solid-matrix Katahdin Sample Nos. WV5606-(1-11) were digested for ICP analysis on 10/25/05 (QC Batch VJ25ICS0) in accordance with USEPA Method 3050B. Duplicate laboratory control samples were prepared in this digestion batch.

ICP analyses of SDG MID-7 sample digestates were performed using a Thermo Jarrell Ash Trace ICP spectrometer. 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.

Analysis of Mercury by Cold Vapor Atomic Absorption (CVAA)

Solid-matrix Katahdin Sample Nos. WV5606-(1-11) were digested for mercury analysis on 10/28/05 (QC Batch VJ28HGS0) in accordance with USEPA Method 7471A. Duplicate laboratory control samples were prepared in this digestion batch.

Mercury analyses of Katahdin SDG MID-7 sample digestates were performed using a Cetac M6100 automated mercury analyzer. All samples were analyzed within holding times and all analytical run QC criteria were met.

Wet Chemistry Analysis

The samples of SDG MID-7 were analyzed in accordance with the specific methods listed on the Report of Analysis.

Analyses for hexavalent chromium were performed according to "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, U.S. EPA.

Analyses for Total organic Carbon (TOC) were performed according to "Determination of Total Organic Carbon in Sediment", Lloyd Kahn, USEPA Region II, 7/88.

Analyses for total solids were performed according to "U.S. EPA Contract Laboratory Program Statement of Work for Inorganic Analysis", SOW 7/88.

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 time. All quality control criteria were met.

No other deviations were noted by the Wet Chemistry group.

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
11.4.05

Leslie Dimond
Quality Assurance Officer

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: Katahdin Analytical Services

SDG Name: MID-7 **SOW No.** SW846

Client Field ID	Lab Sample ID
SD-36-SS	WV5606-001
SD-37-SS	WV5606-002
SD-38-SS	WV5606-003
SD-39-SS	WV5606-004
SD-40-01	WV5606-006
SD-40-02	WV5606-007
SD-40-SS	WV5606-005
SD-41-SS	WV5606-008
SD-42-01	WV5606-010
SD-42-02	WV5606-011
SD-42-SS	WV5606-009

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: Edward A. Morgan Name: Edward A. Morgan

Date: November 2, 2005 Title: Senior Chemist

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** MID-7

Concentration Units: ug/L

SAMPLE: ICV

File: AVJ31A Oct 31, 2005 12:53

Analyte	True	Found	%R (1)
ALUMINUM	20000.0	19641.04	98.2
ANTIMONY	600.0	623.14	103.9
ARSENIC	600.0	641.28	106.9
BARIUM	500.0	519.44	103.9
BERYLLIUM	500.0	523.94	104.8
CADMIUM	1250.0	1307.62	104.6
CALCIUM	20000.0	21459.19	107.3
CHROMIUM	500.0	537.10	107.4
COBALT	500.0	535.51	107.1
COPPER	500.0	487.47	97.5
IRON	20000.0	21317.79	106.6
LEAD	550.0	575.57	104.6
MAGNESIUM	20000.0	21776.04	108.9
MOLYBDENUM	300.0	327.96	109.3
NICKEL	1000.0	1060.74	106.1
SELENIUM	550.0	566.29	103.0
SILVER	200.0	201.69	100.8
ZINC	1000.0	1056.44	105.6

SAMPLE: CCV

File: AVJ31A Oct 31, 2005 14:07

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50516.79	101.0
ANTIMONY	1000.0	1061.37	106.1
ARSENIC	1000.0	1071.02	107.1
BARIUM	1000.0	1049.32	104.9
BERYLLIUM	1000.0	1081.79	108.2
CADMIUM	1000.0	1091.77	109.2
CALCIUM	50000.0	53472.73	106.9
CHROMIUM	1000.0	1092.96	109.3
COBALT	1000.0	1082.27	108.2
COPPER	1000.0	1008.78	100.9
IRON	20000.0	20931.28	104.7
LEAD	1000.0	1067.35	106.7
MAGNESIUM	50000.0	53039.52	106.1
MOLYBDENUM	1000.0	1067.64	106.8
NICKEL	1000.0	1083.48	108.3
SELENIUM	1000.0	1073.97	107.4
SILVER	250.0	239.61	95.8
ZINC	1000.0	1081.12	108.1

(1) Control Limits: Mercury 80-120; Other Metals 90-110

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** MID-7

Concentration Units: ug/L

SAMPLE: CCV

File: AVJ31A Oct 31, 2005 15:33

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	49908.41	99.8
ANTIMONY	1000.0	1059.70	106.0
ARSENIC	1000.0	1068.94	106.9
BARIUM	1000.0	1050.85	105.1
BERYLLIUM	1000.0	1072.08	107.2
CADMIUM	1000.0	1084.99	108.5
CALCIUM	50000.0	52474.21	104.9
CHROMIUM	1000.0	1101.98	110.2 OK
COBALT	1000.0	1070.94	107.1
COPPER	1000.0	992.84	99.3
IRON	20000.0	20527.79	102.6
LEAD	1000.0	1055.92	105.6
MAGNESIUM	50000.0	51413.74	102.8
MOLYBDENUM	1000.0	1063.33	106.3
NICKEL	1000.0	1076.13	107.6
SELENIUM	1000.0	1067.62	106.8
SILVER	250.0	237.46	95.0
ZINC	1000.0	1077.01	107.7

SAMPLE: CCV

File: AVJ31A Oct 31, 2005 16:59

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	49761.04	99.5
ANTIMONY	1000.0	1060.66	106.1
ARSENIC	1000.0	1057.81	105.8
BARIUM	1000.0	1078.33	107.8
BERYLLIUM	1000.0	1044.97	104.5
CADMIUM	1000.0	1046.33	104.6
CALCIUM	50000.0	50517.53	101.0
CHROMIUM	1000.0	1089.19	108.9
COBALT	1000.0	1036.24	103.6
COPPER	1000.0	996.35	99.6
IRON	20000.0	19781.02	98.9
LEAD	1000.0	1018.48	101.8
MAGNESIUM	50000.0	48660.72	97.3
MOLYBDENUM	1000.0	1052.97	105.3
NICKEL	1000.0	1046.88	104.7
SELENIUM	1000.0	1053.78	105.4
SILVER	250.0	237.45	95.0
ZINC	1000.0	1069.10	106.9

(1) Control Limits: Mercury 80-120; Other Metals 90-110

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** MID-7

Concentration Units: ug/L

SAMPLE: ICV

File: AVK01B Nov 01, 2005 18:19

Analyte	True	Found	%R (1)
ALUMINUM	20000.0	18881.08	94.4
ARSENIC	600.0	614.43	102.4
CALCIUM	20000.0	20500.95	102.5
IRON	20000.0	20208.80	101.0
MAGNESIUM	20000.0	20929.27	104.6
THALLIUM	600.0	612.40	102.1
VANADIUM	500.0	494.08	98.8

SAMPLE: CCV

File: AVK01B Nov 01, 2005 19:10

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	48856.10	97.7
ARSENIC	1000.0	1013.46	101.3
CALCIUM	50000.0	51282.02	102.6
IRON	20000.0	20019.42	100.1
MAGNESIUM	50000.0	51456.56	102.9
THALLIUM	1000.0	1033.86	103.4
VANADIUM	1000.0	1008.41	100.8

(1) Control Limits: Mercury 80-120; Other Metals 90-110

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** MID-7

Concentration Units: ug/L

SAMPLE: CCV

File: AVK01B Nov 01, 2005 20:36

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	48928.58	97.9
ARSENIC	1000.0	1012.40	101.2
CALCIUM	50000.0	50554.37	101.1
IRON	20000.0	19799.12	99.0
MAGNESIUM	50000.0	50410.98	100.8
THALLIUM	1000.0	1027.79	102.8
VANADIUM	1000.0	977.96	97.8

SAMPLE: CCV

File: AVK01B Nov 01, 2005 21:55

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50071.47	100.1
ARSENIC	1000.0	1050.22	105.0
CALCIUM	50000.0	50886.59	101.8
IRON	20000.0	20168.57	100.8
MAGNESIUM	50000.0	50452.65	100.9
THALLIUM	1000.0	1038.95	103.9
VANADIUM	1000.0	949.49	94.9

(1) Control Limits: Mercury 80-120; Other Metals 90-110

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** MID-7

Concentration Units: ug/L

SAMPLE: CCV

File: AVK01B Nov 01, 2005 23:21

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50110.13	100.2
ARSENIC	1000.0	1059.33	105.9
CALCIUM	50000.0	50526.27	101.1
IRON	20000.0	20105.00	100.5
MAGNESIUM	50000.0	50117.01	100.2
THALLIUM	1000.0	1038.33	103.8
VANADIUM	1000.0	920.01	92.0

SAMPLE: CCV

File: AVK01B Nov 02, 2005 0:47

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50013.73	100.0
ARSENIC	1000.0	1058.69	105.9
CALCIUM	50000.0	50022.02	100.0
IRON	20000.0	20031.80	100.2
MAGNESIUM	50000.0	49555.29	99.1
THALLIUM	1000.0	1023.11	102.3
VANADIUM	1000.0	902.86	90.3

(1) Control Limits: Mercury 80-120; Other Metals 90-110

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** MID-7

Concentration Units: ug/L

SAMPLE: CCV

File: AVK01B Nov 02, 2005 2:13

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50555.61	101.1
ARSENIC	1000.0	1068.90	106.9
CALCIUM	50000.0	50573.76	101.1
IRON	20000.0	20286.33	101.4
MAGNESIUM	50000.0	50148.89	100.3
THALLIUM	1000.0	1035.52	103.6
VANADIUM	1000.0	911.49	91.1

(1) Control Limits: Mercury 80-120; Other Metals 90-110

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** MID-7

Concentration Units: ug/L

SAMPLE: ICV

File: HVJ31A Oct 31, 2005 8:56

Analyte	True	Found	%R (1)
MERCURY	6.0	5.89	98.2

SAMPLE: CCV

File: HVJ31A Oct 31, 2005 9:22

Analyte	True	Found	%R (1)
MERCURY	5.0	5.23	104.6

(1) Control Limits: Mercury 80-120; Other Metals 90-110

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** MID-7

Concentration Units: ug/L

SAMPLE: CCV

File: HVJ31A Oct 31, 2005 9:45

Analyte	True	Found	%R (1)
MERCURY	5.0	5.38	107.6

(1) Control Limits: Mercury 80-120; Other Metals 90-110

2B

CRDL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** MID-7

Concentration Units: ug/L

SAMPLE: CRI

File: AVJ31A Oct 31, 2005 13:22

Analyte	TRUE	FOUND	% R
ANTIMONY	120.0	120.95	100.8
ARSENIC	20.0	20.89	104.5
BERYLLIUM	10.0	10.14	101.4
CADMIUM	10.0	10.27	102.7
CHROMIUM	20.0	19.63	98.1
COBALT	100.0	105.23	105.2
COPPER	50.0	44.85	89.7
LEAD	6.0	5.57	92.8
NICKEL	80.0	82.67	103.3
SELENIUM	10.0	10.27	102.7
SILVER	20.0	19.90	99.5
ZINC	40.0	42.82	107.1

SAMPLE: CRI

File: AVJ31A Oct 31, 2005 18:03

Analyte	TRUE	FOUND	% R
ANTIMONY	120.0	137.56	114.6
ARSENIC	20.0	19.62	98.1
BERYLLIUM	10.0	9.03	90.3
CADMIUM	10.0	10.56	105.6
CHROMIUM	20.0	23.77	118.8
COBALT	100.0	109.89	109.9
COPPER	50.0	36.58	73.2
LEAD	6.0	4.69	78.2
NICKEL	80.0	87.73	109.7
SELENIUM	10.0	9.33	93.3
SILVER	20.0	18.83	94.1
ZINC	40.0	46.17	115.4

2B

CRDL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** MID-7

Concentration Units: ug/L

SAMPLE: CRI

File: AVK01B Nov 01, 2005 18:48

Analyte	TRUE	FOUND	% R
ARSENIC	20.0	21.34	106.7
THALLIUM	20.0	23.27	116.3
VANADIUM	100.0	100.21	100.2

SAMPLE: CRI

File: AVK01B Nov 01, 2005 21:33

Analyte	TRUE	FOUND	% R
ARSENIC	20.0	21.15	105.7
THALLIUM	20.0	23.48	117.4
VANADIUM	100.0	92.78	92.8

2B

CRDL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** MID-7

Concentration Units: ug/L

SAMPLE: CRI

File: AVK01B Nov 02, 2005 01:51

Analyte	TRUE	FOUND	%R
ARSENIC	20.0	21.14	105.7
THALLIUM	20.0	19.27	96.4
VANADIUM	100.0	87.37	87.4

2B

CRDL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** MID-7

Concentration Units: ug/L

SAMPLE: CRA

File: HVJ31A Oct 31, 2005 09:01

Analyte	TRUE	FOUND	% R
MERCURY	0.2	0.19	95.0

2C

PQL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** MID-7

SAMPLE: PQL

File: AVJ31A Oct 31, 2005 13:07 Concentration Units: ug/L

Analyte	TRUE	FOUND	% R
ALUMINUM	300.0	324.43	108.1
ANTIMONY	8.0	7.97	99.6
ARSENIC	8.0	7.40	92.5
BARIUM	5.0	5.10	102.0
BERYLLIUM	5.0	5.13	102.6
CADMIUM	10.0	11.15	111.5
CALCIUM	50.0	73.86	147.7
CHROMIUM	15.0	15.61	104.1
COBALT	30.0	33.36	111.2
COPPER	25.0	23.23	92.9
IRON	100.0	101.48	101.5
LEAD	5.0	5.00	100.0
MAGNESIUM	50.0	84.35	168.7
MOLYBDENUM	10.0	11.29	112.9
NICKEL	40.0	43.20	108.0
SELENIUM	10.0	11.98	119.8
SILVER	15.0	16.47	109.8
ZINC	25.0	29.04	116.2

2C

PQL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** MID-7

SAMPLE: PQL

File: AVK01B Nov 01, 2005 18:34 Concentration Units: ug/L

Analyte	TRUE	FOUND	% R
ALUMINUM	300.0	270.07	90.0
ARSENIC	8.0	10.69	133.6
CALCIUM	50.0	73.88	147.8
IRON	100.0	127.57	127.6
MAGNESIUM	50.0	65.84	131.7
THALLIUM	15.0	20.44	136.3
VANADIUM	25.0	25.74	103.0

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** MID-7

Concentration Units: ug/L

SAMPLE: ICB

File: AVJ31A Oct 31, 2005 13:00

Analyte	Result	C
ALUMINUM	38.45	B
ANTIMONY	4.11	U
ARSENIC	3.45	U
BARIUM	0.27	U
BERYLLIUM	0.35	U
CADMIUM	0.40	U
CALCIUM	11.30	U
CHROMIUM	1.01	U
COBALT	1.12	U
COPPER	1.74	U
IRON	25.80	U
LEAD	1.65	U
MAGNESIUM	16.82	B
MOLYBDENUM	2.00	U
NICKEL	1.53	U
SELENIUM	3.59	U
SILVER	1.36	B
ZINC	0.59	U

SAMPLE: CCB

File: AVJ31A Oct 31, 2005 14:14

Analyte	Result	C
ALUMINUM	80.20	B
ANTIMONY	4.11	U
ARSENIC	3.45	U
BARIUM	0.36	B
BERYLLIUM	0.35	U
CADMIUM	0.40	U
CALCIUM	11.30	U
CHROMIUM	1.01	U
COBALT	1.14	B
COPPER	1.74	U
IRON	25.80	U
LEAD	1.65	U
MAGNESIUM	35.07	B
MOLYBDENUM	2.00	U
NICKEL	1.53	U
SELENIUM	3.59	U
SILVER	2.51	B
ZINC	0.89	B

SAMPLE: CCB

File: AVJ31A Oct 31, 2005 15:40

Analyte	Result	C
ALUMINUM	164.64	B
ANTIMONY	4.11	U
ARSENIC	3.45	U
BARIUM	0.27	U
BERYLLIUM	-0.40	B
CADMIUM	0.40	U
CALCIUM	11.30	U
CHROMIUM	1.01	U
COBALT	1.72	B
COPPER	-2.30	B
IRON	25.80	U
LEAD	1.65	U
MAGNESIUM	35.64	B
MOLYBDENUM	2.00	U
NICKEL	1.53	U
SELENIUM	3.59	U
SILVER	1.85	B
ZINC	1.02	B

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** MID-7

Concentration Units: ug/L

SAMPLE: CCB

File: AVJ31A Oct 31, 2005 17:06

Analyte	Result	C
ALUMINUM	239.40	B
ANTIMONY	4.11	U
ARSENIC	3.45	U
BARIUM	0.30	B
BERYLLIUM	-0.74	B
CADMIUM	0.54	B
CALCIUM	-17.32	B
CHROMIUM	1.01	U
COBALT	1.12	U
COPPER	-3.89	B
IRON	25.80	U
LEAD	1.65	U
MAGNESIUM	31.60	B
MOLYBDENUM	2.00	U
NICKEL	1.53	U
SELENIUM	3.59	U
SILVER	1.12	B
ZINC	1.32	B

SAMPLE: CCB

File: AVJ31A Oct 31, 2005 18:32

Analyte	Result	C
ALUMINUM	369.25	
ANTIMONY	4.11	U
ARSENIC	3.45	U
BARIUM	0.27	U
BERYLLIUM	-0.87	B
CADMIUM	0.40	U
CALCIUM	-21.94	B
CHROMIUM	1.01	U
COBALT	1.12	U
COPPER	-7.88	B
IRON	25.80	U
LEAD	1.65	U
MAGNESIUM	17.28	B
MOLYBDENUM	2.00	U
NICKEL	1.53	U
SELENIUM	3.59	U
SILVER	1.70	B
ZINC	1.55	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** MID-7

Concentration Units: ug/L

SAMPLE: ICB

File: AVK01B Nov 01, 2005 18:27

Analyte	Result	C
ALUMINUM	22.00	U
ARSENIC	3.45	U
CALCIUM	11.30	U
IRON	25.80	U
MAGNESIUM	12.10	U
THALLIUM	7.47	B
VANADIUM	1.36	U

SAMPLE: CCB

File: AVK01B Nov 01, 2005 19:17

Analyte	Result	C
ALUMINUM	22.00	U
ARSENIC	3.45	U
CALCIUM	11.30	U
IRON	25.80	U
MAGNESIUM	12.10	U
THALLIUM	6.13	U
VANADIUM	1.36	U

SAMPLE: CCB

File: AVK01B Nov 01, 2005 20:43

Analyte	Result	C
ALUMINUM	64.84	B
ARSENIC	3.45	U
CALCIUM	11.30	U
IRON	25.80	U
MAGNESIUM	12.10	U
THALLIUM	6.13	U
VANADIUM	1.36	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** MID-7

Concentration Units: ug/L

SAMPLE: CCB

File: AVK01B Nov 01, 2005 22:02

Analyte	Result	C
ALUMINUM	132.99	B
ARSENIC	3.45	U
CALCIUM	11.30	U
IRON	25.80	U
MAGNESIUM	12.10	U
THALLIUM	6.13	U
VANADIUM	1.36	U

SAMPLE: CCB

File: AVK01B Nov 01, 2005 23:28

Analyte	Result	C
ALUMINUM	175.18	B
ARSENIC	3.45	U
CALCIUM	-11.56	B
IRON	25.80	U
MAGNESIUM	12.71	B
THALLIUM	6.13	U
VANADIUM	1.36	U

SAMPLE: CCB

File: AVK01B Nov 02, 2005 0:54

Analyte	Result	C
ALUMINUM	208.32	B
ARSENIC	3.45	U
CALCIUM	-14.04	B
IRON	25.80	U
MAGNESIUM	12.10	U
THALLIUM	6.13	U
VANADIUM	1.36	U

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** MID-7

Concentration Units: ug/L

SAMPLE: CCB

File: AVK01B Nov 02, 2005 2:20

Analyte	Result	C
ALUMINUM	195.06	B
ARSENIC	3.45	U
CALCIUM	-22.75	B
IRON	25.80	U
MAGNESIUM	12.10	U
THALLIUM	6.13	U
VANADIUM	1.36	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** MID-7

Concentration Units: ug/L

SAMPLE: ICB

File: HVJ31A Oct 31, 2005 8:58

Analyte	Result	C
MERCURY	0.02	U

SAMPLE: CCB

File: HVJ31A Oct 31, 2005 9:24

Analyte	Result	C
MERCURY	0.02	U

SAMPLE: CCB

File: HVJ31A Oct 31, 2005 9:47

Analyte	Result	C
MERCURY	0.02	U

3P

PREPARATION BLANKS

Lab Name: Katahdin Analytical Services **Sample ID:** PBSVJ25ICS0

Matrix: SOIL **SDG Name:** MID-7

QC Batch ID: VJ25ICS0

Concentration Units : mg/Kg

Analyte	RESULT	C
ANTIMONY	0.410	U
ARSENIC	0.350	U
BARIUM	0.030	U
BERYLLIUM	0.040	U
CADMIUM	0.040	U
CHROMIUM	0.102	B
COBALT	0.110	U
COPPER	-0.190	B
LEAD	0.170	U
MOLYBDENUM	0.200	U
NICKEL	0.150	U
SELENIUM	0.360	U
SILVER	0.165	B
THALLIUM	0.610	U
VANADIUM	0.140	U
ZINC	0.287	B

3P

PREPARATION BLANKS

Lab Name: Katahdin Analytical Services **Sample ID:** PBSVJ28HGS0

Matrix: SOIL **SDG Name:** MID-7

QC Batch ID: VJ28HGS0

Concentration Units : mg/Kg

Analyte	RESULT	C
MERCURY	0.010	U

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** MID-7

Concentration Units: ug/L

SAMPLE: ICSA

File: AVJ31A Oct 31, 2005 13:32

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	512155	102.4
ANTIMONY	0	-3	
ARSENIC	0	4	
BARIUM	0	0	
BERYLLIUM	0	0	
CADMIUM	0	-2	
CALCIUM	500000	543595	108.7
CHROMIUM	2	5	
COBALT	0	0	
COPPER	0	-8	
IRON	200000	206882	103.4
LEAD	5	4	
MAGNESIUM	500000	519893	104.0
MOLYBDENUM	0	0	
NICKEL	0	4	
SELENIUM	0	-4	
SILVER	0	4	
ZINC	4	6	

SAMPLE: ICSAB

File: AVJ31A Oct 31, 2005 14:00

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	511011	102.2
ANTIMONY	600	618	103.0
ARSENIC	100	101	101.0
BARIUM	500	527	105.4
BERYLLIUM	500	512	102.4
CADMIUM	1000	987	98.7
CALCIUM	500000	540474	108.1
CHROMIUM	502	536	106.8
COBALT	500	511	102.2
COPPER	500	521	104.2
IRON	200000	206030	103.0
LEAD	55	55	100.0
MAGNESIUM	500000	514392	102.9
MOLYBDENUM	500	516	103.2
NICKEL	1000	1009	100.9
SELENIUM	50	52	104.0
SILVER	200	214	107.0
ZINC	1004	1048	104.4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** MID-7

Concentration Units: ug/L

SAMPLE: ICSA

File: AVJ31A Oct 31, 2005 18:11

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	488781	97.8
ANTIMONY	0	2	
ARSENIC	0	2	
BARIUM	0	0	
BERYLLIUM	0	-1	
CADMIUM	0	-8	
CALCIUM	500000	478158	95.6
CHROMIUM	2	4	
COBALT	0	0	
COPPER	0	-21	
IRON	200000	191941	96.0
LEAD	5	5	
MAGNESIUM	500000	449940	90.0
MOLYBDENUM	0	-1	
NICKEL	0	3	
SELENIUM	0	-11	
SILVER	0	4	
ZINC	4	8	

SAMPLE: ICSAB

File: AVJ31A Oct 31, 2005 18:18

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	492496	98.5
ANTIMONY	600	686	114.3
ARSENIC	100	107	107.0
BARIUM	500	576	115.2
BERYLLIUM	500	499	99.8
CADMIUM	1000	987	98.7
CALCIUM	500000	486267	97.3
CHROMIUM	502	573	114.1
COBALT	500	518	103.6
COPPER	500	485	97.0
IRON	200000	194669	97.3
LEAD	55	55	100.0
MAGNESIUM	500000	457837	91.6
MOLYBDENUM	500	563	112.6
NICKEL	1000	1049	104.9
SELENIUM	50	47	94.0
SILVER	200	206	103.0
ZINC	1004	1099	109.5

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** MID-7

Concentration Units: ug/L

SAMPLE: ICSA

File: AVK01B Nov 01, 2005 18:55

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	502377	100.5
ARSENIC	0	2	
CALCIUM	500000	527230	105.4
IRON	200000	200337	100.2
MAGNESIUM	500000	507490	101.5
THALLIUM	0	4	
VANADIUM	0	4	

SAMPLE: ICSAB

File: AVK01B Nov 01, 2005 19:03

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	509013	101.8
ARSENIC	100	95	95.0
CALCIUM	500000	531695	106.3
IRON	200000	202487	101.2
MAGNESIUM	500000	511173	102.2
THALLIUM	100	98	98.0
VANADIUM	500	510	102.0

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** MID-7

Concentration Units: ug/L

SAMPLE: ICSA

File: AVK01B Nov 01, 2005 21:40

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	502861	100.6
ARSENIC	0	-1	
CALCIUM	500000	508435	101.7
IRON	200000	197764	98.9
MAGNESIUM	500000	488547	97.7
THALLIUM	0	6	
VANADIUM	0	6	

SAMPLE: ICSAB

File: AVK01B Nov 01, 2005 21:47

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	507664	101.5
ARSENIC	100	97	97.0
CALCIUM	500000	510252	102.1
IRON	200000	199127	99.6
MAGNESIUM	500000	490160	98.0
THALLIUM	100	101	101.0
VANADIUM	500	470	94.0

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** MID-7

Concentration Units: ug/L

SAMPLE: ICSA

File: AVK01B Nov 02, 2005 01:58

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	501908	100.4
ARSENIC	0	0	
CALCIUM	500000	498601	99.7
IRON	200000	197480	98.7
MAGNESIUM	500000	480601	96.1
THALLIUM	0	-1	
VANADIUM	0	8	

SAMPLE: ICSAB

File: AVK01B Nov 02, 2005 02:06

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	504887	101.0
ARSENIC	100	100	100.0
CALCIUM	500000	499102	99.8
IRON	200000	198025	99.0
MAGNESIUM	500000	481199	96.2
THALLIUM	100	91	91.0
VANADIUM	500	446	89.2

LABORATORY CONTROL SAMPLES

Lab Name: Katahdin Analytical Services **Sample ID:** LC2OVJ25ICS0

Matrix: SOIL **SDG Name:** MID-7

QC Batch ID: VJ25ICS0

Concentration Units : ug/L

Analyte	TRUE	FOUND	% R	LIMITS (%)	
ANTIMONY	500.0	513.22	102.6	80	120
ARSENIC	500.0	524.23	104.8	80	120
BARIUM	2000.0	2067.89	103.4	80	120
BERYLLIUM	50.0	53.52	107.0	80	120
CADMIUM	250.0	261.02	104.4	80	120
CHROMIUM	200.0	223.84	111.9	80	120
COBALT	500.0	545.84	109.2	80	120
COPPER	250.0	239.46	95.8	80	120
LEAD	500.0	508.50	101.7	80	120
MOLYBDENUM	300.0	331.20	110.4	80	120
NICKEL	500.0	545.81	109.2	80	120
SELENIUM	500.0	498.96	99.8	80	120
SILVER	50.0	51.86	103.7	80	120
THALLIUM	500.0	488.81	97.8	80	120
VANADIUM	500.0	471.42	94.3	80	120
ZINC	500.0	545.24	109.0	80	120

LABORATORY CONTROL SAMPLES

Lab Name: Katahdin Analytical Services **Sample ID:** LC2OVJ28HGS0

Matrix: SOIL **SDG Name:** MID-7

QC Batch ID: VJ28HGS0

Concentration Units : ug/L

Analyte	TRUE	FOUND	% R	LIMITS (%)	
MERCURY	5.0	4.36	87.2	80	120

LABORATORY CONTROL SAMPLES

Lab Name: Katahdin Analytical Services **Sample ID:** LCSOVJ25ICS0

Matrix: SOIL **SDG Name:** MID-7

QC Batch ID: VJ25ICS0

Concentration Units : ug/L

Analyte	TRUE	FOUND	% R	LIMITS (%)	
ANTIMONY	500.0	497.55	99.5	80	120
ARSENIC	500.0	512.20	102.4	80	120
BARIUM	2000.0	2023.99	101.2	80	120
BERYLLIUM	50.0	52.24	104.5	80	120
CADMIUM	250.0	255.50	102.2	80	120
CHROMIUM	200.0	218.96	109.5	80	120
COBALT	500.0	533.32	106.7	80	120
COPPER	250.0	233.63	93.5	80	120
LEAD	500.0	498.04	99.6	80	120
MOLYBDENUM	300.0	318.05	106.0	80	120
NICKEL	500.0	532.22	106.4	80	120
SELENIUM	500.0	482.79	96.6	80	120
SILVER	50.0	50.12	100.2	80	120
THALLIUM	500.0	477.83	95.6	80	120
VANADIUM	500.0	448.20	89.6	80	120
ZINC	500.0	536.49	107.3	80	120

LABORATORY CONTROL SAMPLES

Lab Name: Katahdin Analytical Services **Sample ID:** LCSOVJ28HGS0

Matrix: SOIL **SDG Name:** MID-7

QC Batch ID: VJ28HGS0

Concentration Units : ug/L

Analyte	TRUE	FOUND	% R	LIMITS (%)	
MERCURY	5.0	4.50	90.0	80	120

INSTRUMENT DETECTION LIMITS

Lab Name: Katahdin Analytical Services **Instrument Code:** A

Instrument Name: TJA TRACE ICP **Date:** 10/3/05

Concentration Units: ug/L

Analyte	CRDL	IDL	M
ANTIMONY	8.0	4.11	P
ARSENIC	8.0	3.45	P
BARIUM	5.0	0.27	P
BERYLLIUM	5.0	0.35	P
CADMIUM	10	0.40	P
CHROMIUM	15	1.01	P
COBALT	30	1.12	P
COPPER	25	1.74	P
LEAD	5.0	1.65	P
MOLYBDENUM	100	2.00	P
NICKEL	40	1.53	P
SELENIUM	10	3.59	P
SILVER	15	1.04	P
THALLIUM	15	6.13	P
VANADIUM	25	1.36	P
ZINC	25	0.59	P

INSTRUMENT DETECTION LIMITS

Lab Name: Katahdin Analytical Services **Instrument Code:** H

Instrument Name: CETAC M6100 **Date:** 10/3/05

Concentration Units: ug/L

Analyte	CRDL	IDL	M
MERCURY	0.20	0.02	CV

PREPARATION LOG

Lab Name: Katahdin Analytical Services **QC Batch ID:** VJ25ICS0

Matrix: SOIL **SDG Name:** MID-7

Method: P **Prep Date:** 10/25/2005

Client ID	Lab Sample ID	Initial (g)	Final (L)
LC2OVJ25ICS0	LC2OVJ25ICS0	1	0.1
LCSOVJ25ICS0	LCSOVJ25ICS0	1	0.1
PBSVJ25ICS0	PBSVJ25ICS0	1	0.1
SD-36-SS	WV5606-001	1.23	0.1
SD-37-SS	WV5606-002	1.23	0.1
SD-38-SS	WV5606-003	1.58	0.1
SD-39-SS	WV5606-004	1.61	0.1
SD-40-SS	WV5606-005	1.23	0.1
SD-40-01	WV5606-006	1.63	0.1
SD-40-02	WV5606-007	1.16	0.1
SD-41-SS	WV5606-008	1.74	0.1
SD-42-SS	WV5606-009	1.18	0.1
SD-42-01	WV5606-010	1.33	0.1
SD-42-02	WV5606-011	1.46	0.1

PREPARATION LOG

Lab Name: Katahdin Analytical Services **QC Batch ID:** VJ28HGS0

Matrix: SOIL **SDG Name:** MID-7

Method: CV **Prep Date:** 10/28/2005

Client ID	Lab Sample ID	Initial (g)	Final (L)
LC2OVJ28HGS0	LC2OVJ28HGS0	0.6	0.1
LCSOVJ28HGS0	LCSOVJ28HGS0	0.6	0.1
PBSVJ28HGS0	PBSVJ28HGS0	0.6	0.1
SD-36-SS	WV5606-001	0.72	0.1
SD-37-SS	WV5606-002	0.79	0.1
SD-38-SS	WV5606-003	0.76	0.1
SD-39-SS	WV5606-004	0.67	0.1
SD-40-SS	WV5606-005	0.7	0.1
SD-40-01	WV5606-006	0.64	0.1
SD-40-02	WV5606-007	0.77	0.1
SD-41-SS	WV5606-008	0.65	0.1
SD-42-SS	WV5606-009	0.8	0.1
SD-42-01	WV5606-010	0.66	0.1
SD-42-02	WV5606-011	0.65	0.1

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** MID-7

Instrument ID: TJA TRACE ICP **File Name:** AVJ31A

Date: 10/31/05 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements
S0		1	12:07	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mo Ni Se Ag Zn
S1		1	12:14	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mo Ni Se Ag Zn
AL IEC		1	12:24	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mo Ni Se Ag Zn
FE IEC		1	12:31	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mo Ni Se Ag Zn
MN IEC		1	12:38	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mo Ni Se Ag Zn
IEC		1	12:46	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mo Ni Se Ag Zn
ICV		1	12:53	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mo Ni Se Ag Zn
ICB		1	13:00	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mo Ni Se Ag Zn
PQL		1	13:07	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mo Ni Se Ag Zn
0.1PPM CA,MG		1	13:14	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mo Ni Se Ag Zn
CRI		1	13:22	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mo Ni Se Ag Zn
ICSA		1	13:32	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mo Ni Se Ag Zn
ICSAB		1	14:00	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mo Ni Se Ag Zn
CCV		1	14:07	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mo Ni Se Ag Zn
CCB		1	14:14	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mo Ni Se Ag Zn
LC2OVJ25ICS0		1	14:21	Sb As Ba Be Cd Cr Co Cu Pb Mo Ni Se Ag Zn
LCSOVJ25ICS0		1	14:28	Sb As Ba Be Cd Cr Co Cu Pb Mo Ni Se Ag Zn
PBSVJ25ICS0		1	14:35	Sb As Ba Be Cd Cr Co Cu Pb Mo Ni Se Ag Zn
WV5606-001	SD-36-SS	1	14:43	Sb As Ba Be Cd Cr Co Cu Pb Mo Ni Se Ag Zn
WV5606-002	SD-37-SS	1	14:50	Sb As Ba Be Cd Cr Co Cu Pb Mo Ni Se Ag Zn
WV5606-003	SD-38-SS	1	14:57	Sb As Ba Be Cd Cr Co Cu Pb Mo Ni Se Ag Zn
WV5606-004	SD-39-SS	1	15:04	Sb As Ba Be Cd Cr Co Cu Pb Mo Ni Se Ag Zn
WV5606-005	SD-40-SS	1	15:11	Sb As Ba Be Cd Cr Co Cu Pb Mo Ni Se Ag Zn
WV5606-006	SD-40-01	1	15:18	Sb As Ba Be Cd Cr Co Cu Pb Mo Ni Se Ag Zn
WV5606-007	SD-40-02	1	15:26	Sb As Ba Be Cd Cr Co Cu Pb Mo Ni Se Ag Zn
CCV		1	15:33	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mo Ni Se Ag Zn
CCB		1	15:40	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mo Ni Se Ag Zn
WV5606-008	SD-41-SS	1	15:47	Sb As Ba Be Cd Cr Co Cu Pb Mo Ni Se Ag Zn
WV5606-009	SD-42-SS	1	15:54	Sb As Ba Be Cd Cr Co Cu Pb Mo Ni Se Ag Zn
WV5606-010	SD-42-01	1	16:01	Sb Ba Be Cd Cr Co Cu Pb Mo Ni Se Ag Zn
WV5606-011	SD-42-02	1	16:09	Sb As Ba Be Cd Cr Co Cu Pb Mo Ni Se Ag Zn
ZZZZZZ		1	16:16	
ZZZZZZ		1	16:23	
ZZZZZZ		1	16:30	
ZZZZZZ		5	16:37	
ZZZZZZ		1	16:44	
ZZZZZZ		1	16:52	
CCV		1	16:59	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mo Ni Se Ag Zn
CCB		1	17:06	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mo Ni Se Ag Zn
ZZZZZZ		1	17:13	
ZZZZZZ		1	17:20	
ZZZZZZ		1	17:28	
ZZZZZZ		1	17:35	
ZZZZZZ		1	17:42	
ZZZZZZ		1	17:49	
ZZZZZZ		1	17:56	
CRI		1	18:03	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mo Ni Se Ag Zn
ICSA		1	18:11	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mo Ni Se Ag Zn
ICSAB		1	18:18	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mo Ni Se Ag Zn
CCV		1	18:25	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mo Ni Se Ag Zn

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** MID-7

Instrument ID: TJA TRACE ICP **File Name:** AVK01B

Date: 11/1/05 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements								
S0		1	18:05	Al	As	Ca	Fe	Mg		Tl	V	
S1		1	18:12	Al	As	Ca	Fe	Mg		Tl	V	
ICV		1	18:19	Al	As	Ca	Fe	Mg		Tl	V	
ICB		1	18:27	Al	As	Ca	Fe	Mg		Tl	V	
PQL		1	18:34	Al	As	Ca	Fe	Mg		Tl	V	
0.1PPM CA,MG		1	18:41	Al	As	Ca	Fe	Mg		Tl	V	
CRI		1	18:48	Al	As	Ca	Fe	Mg		Tl	V	
ICSA		1	18:55	Al	As	Ca	Fe	Mg		Tl	V	
ICSAB		1	19:03	Al	As	Ca	Fe	Mg		Tl	V	
CCV		1	19:10	Al	As	Ca	Fe	Mg		Tl	V	
CCB		1	19:17	Al	As	Ca	Fe	Mg		Tl	V	
ZZZZZZ		1	19:24									
ZZZZZZ		1	19:31									
ZZZZZZ		1	19:38									
ZZZZZZ		1	19:46									
ZZZZZZ		1	19:53									
ZZZZZZ		1	20:00									
ZZZZZZ		1	20:07									
ZZZZZZ		1	20:14									
ZZZZZZ		1	20:21									
ZZZZZZ		5	20:29									
CCV		1	20:36	Al	As	Ca	Fe	Mg		Tl	V	
CCB		1	20:43	Al	As	Ca	Fe	Mg		Tl	V	
ZZZZZZ		1	20:50									
ZZZZZZ		1	20:57									
ZZZZZZ		1	21:04									
ZZZZZZ		1	21:12									
ZZZZZZ		1	21:19									
LC2OVJ25ICS0		1	21:26							Tl	V	
CRI		1	21:33	Al	As	Ca	Fe	Mg		Tl	V	
ICSA		1	21:40	Al	As	Ca	Fe	Mg		Tl	V	
ICSAB		1	21:47	Al	As	Ca	Fe	Mg		Tl	V	
CCV		1	21:55	Al	As	Ca	Fe	Mg		Tl	V	
CCB		1	22:02	Al	As	Ca	Fe	Mg		Tl	V	
ZZZZZZ		1	22:09									
ZZZZZZ		1	22:16									
ZZZZZZ		5	22:23									
PBSVJ25ICS0		1	22:30							Tl	V	
LCSOVJ25ICS0		1	22:38							Tl	V	
WV5606-001	SD-36-SS	1	22:45							Tl	V	
WV5606-002	SD-37-SS	1	22:52							Tl	V	
WV5606-003	SD-38-SS	1	22:59							Tl	V	
WV5606-004	SD-39-SS	1	23:06							Tl	V	
WV5606-005	SD-40-SS	1	23:13							Tl	V	
CCV		1	23:21	Al	As	Ca	Fe	Mg		Tl	V	
CCB		1	23:28	Al	As	Ca	Fe	Mg		Tl	V	
WV5606-006	SD-40-01	1	23:35							Tl	V	
WV5606-007	SD-40-02	1	23:42							Tl	V	
WV5606-008	SD-41-SS	1	23:49							Tl	V	
WV5606-009	SD-42-SS	1	23:56							Tl	V	

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** MID-7

Instrument ID: TJA TRACE ICP **File Name:** AVK01B

Date: 11/2/05 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements							
WV5606-010	SD-42-01	1	0:04							Ti	V
WV5606-010	SD-42-01	3	0:11		As						
WV5606-011	SD-42-02	1	0:18							Ti	V
ZZZZZZ		1	0:25								
ZZZZZZ		1	0:32								
ZZZZZZ		1	0:39								
CCV		1	0:47	Al	As		Ca	Fe	Mg	Ti	V
CCB		1	0:54	Al	As		Ca	Fe	Mg	Ti	V
ZZZZZZ		1	1:01								
ZZZZZZ		1	1:08								
ZZZZZZ		1	1:15								
ZZZZZZ		1	1:23								
ZZZZZZ		1	1:30								
ZZZZZZ		1	1:37								
ZZZZZZ		1	1:44								
CRI		1	1:51	Al	As		Ca	Fe	Mg	Ti	V
ICSA		1	1:58	Al	As		Ca	Fe	Mg	Ti	V
ICSAB		1	2:06	Al	As		Ca	Fe	Mg	Ti	V
CCV		1	2:13	Al	As		Ca	Fe	Mg	Ti	V
CCB		1	2:20	Al	As		Ca	Fe	Mg	Ti	V

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** MID-7

Instrument ID: CETAC M6100 **File Name:** HVJ31A

Date: 10/31/05 **Method:** CV

Lab Sample ID	Client ID	D.F.	Time	Elements
Calibration Blank		1	8:44	Hg
Standard #1 (0.2 p		1	8:46	Hg
Standard #2 (0.5 p		1	8:48	Hg
Standard #3 (1.0 p		1	8:50	Hg
Standard #4 (5.0 p		1	8:52	Hg
Standard #5 (10.0		1	8:54	Hg
ICV		1	8:56	HG
ICB		1	8:58	HG
CRA		1	9:01	HG
LCSOVJ28HGS0		1	9:03	HG
LC2OVJ28HGS0		1	9:05	HG
PBSVJ28HGS0		1	9:07	HG
ZZZZZZ		1	9:09	
ZZZZZZ		1	9:11	
ZZZZZZ		1	9:13	
ZZZZZZ		1	9:15	
WV5606-001	SD-36-SS	1	9:18	HG
WV5606-002	SD-37-SS	1	9:20	HG
CCV		1	9:22	HG
CCB		1	9:24	HG
WV5606-003	SD-38-SS	1	9:26	HG
WV5606-004	SD-39-SS	1	9:28	HG
WV5606-005	SD-40-SS	1	9:30	HG
WV5606-006	SD-40-01	1	9:32	HG
WV5606-007	SD-40-02	1	9:35	HG
WV5606-008	SD-41-SS	1	9:37	HG
WV5606-009	SD-42-SS	1	9:39	HG
WV5606-010	SD-42-01	1	9:41	HG
WV5606-011	SD-42-02	1	9:43	HG
CCV		1	9:45	HG
CCB		1	9:47	HG

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Quality Control Report

Blank Sample Summary Report

Chromium, Hexavalent

Samp Type	QC Batch	Anal. Method	Anal. Date	Prep. Date	Result	PQL
MBLANK	WG22159	SW846 7196A	28-OCT-05	27-OCT-05	U 0.50 mg/Kgdrywt	.5 mg/Kgdryw
MBLANK	WG22234	SW846 7196A	29-OCT-05	28-OCT-05	U 0.50 mg/Kgdrywt	.5 mg/Kgdryw

TOC in Soil

Samp Type	QC Batch	Anal. Method	Anal. Date	Prep. Date	Result	PQL
MBLANK	WG22228	Lloyd Kahn	28-OCT-05	N/A	U 400 ug/g	400 ug/g
MBLANK	WG22229	Lloyd Kahn	29-OCT-05	N/A	U 400 ug/g	400 ug/g

Total Solids

Samp Type	QC Batch	Anal. Method	Anal. Date	Prep. Date	Result	PQL
MBLANK	WG22068	CLP SOW 788	26-OCT-05	25-OCT-05	U 1 %	1 %

Katahdin
ANALYTICAL SERVICES

ACCREDITED IN ACCORDANCE WITH nelac
Cert No E87604

Quality Control Report

Laboratory Control Sample Summary Report

Chromium, Hexavalent

Lab Sample Id	Samp Type	QC Batch	Analysis Date	Prep Date	Units	Spike Amt.	Result	Recovery	Acceptance Range	RPD
WG22159-2	LCS	WG22159	28-OCT-05	27-OCT-05	mg/Kgdrywt	40	41.	103	80-120	
WG22234-2	LCS	WG22234	29-OCT-05	28-OCT-05	mg/Kgdrywt	40	39.	97	80-120	

TOC In Soil

Lab Sample Id	Samp Type	QC Batch	Analysis Date	Prep Date	Units	Spike Amt.	Result	Recovery	Acceptance Range	RPD
WG22228-2	LCS	WG22228	28-OCT-05	N/A	ug/g	400000.000	470000	117	80-120	
WG22229-2	LCS	WG22229	29-OCT-05	N/A	ug/g	400000.000	470000	118	80-120	

Total Solids

Lab Sample Id	Samp Type	QC Batch	Analysis Date	Prep Date	Units	Spike Amt.	Result	Recovery	Acceptance Range	RPD
WG22068-2	LCS	WG22068	26-OCT-05	25-OCT-05	%	90	90.	100	80-120	

Quality Control Report

Duplicate Sample Summary Report

Total Solids

Duplicate Sample ID	Original Sample ID	QC Batch	Analysis Date	Result Units	Sample Result	Duplicate Result	RPD(%)	RPD Limit
WG22068-4	WV5606-4	WG22068	26-OCT-05	%	30.	30.	0	20

#1	91.592	.03105	.32589	.01387	.04450	.19444	12.253
#2	91.533	.03598	.32580	.01385	.04683	.19307	12.228

Elem	Cr	Co	Cu	Fe	Mg	Mn	Mo
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	2.9552	.12991	.58280	201.82	23.656	1.7896	.00843
SDev	.0025	.00133	.00144	.17	.052	.0039	.00063
%RSD	.08342	1.0202	.24718	.08529	.22178	.21861	7.4798
#1	2.9570	.13085	.58382	201.94	23.693	1.7923	.00798
#2	2.9535	.12898	.58178	201.70	23.618	1.7868	.00887

Elem	Ni	Ag	Sr	Tl	Sn	Ti	V
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.28448	.03342	.19103	.00476	.07566	.86373	.32936
SDev	.00054	.00080	.00027	.00190	.00302	.00033	.00063
%RSD	.18990	2.3964	.14042	39.857	3.9863	.03864	.19063
#1	.28410	.03285	.19122	.00342	.07779	.86397	.32891
#2	.28486	.03398	.19084	.00611	.07352	.86350	.32980

Elem	Zn	Pb	Se	Sb	2068/1	2068/2	2203/1
Units	mg/L	mg/L	mg/L	mg/L			
Avge	2.6733	1.1349	.00379	-.00426	-.00436	-.00421	1.1067
SDev	.0070	.0097	.00124	.00018	.00812	.00432	.0160
%RSD	.26369	.85315	32.662	4.1729	186.20	102.56	1.4451
#1	2.6783	1.1281	.00291	-.00414	-.01011	-.00116	1.1181
#2	2.6683	1.1418	.00466	-.00439	.00138	-.00727	1.0954

Elem	2203/2	1960/1	1960/2
Units			
Avge	1.1490	.00403	.00366
SDev	.0225	.00711	.00541
%RSD	1.9584	176.41	147.50
#1	1.1331	.00906	-.00016
#2	1.1649	-.00100	.00749

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	360.063	--	--	--	--	--	--
Avge	46578	--	--	--	--	--	--
SDev	40.30509	--	--	--	--	--	--
%RSD	.0865315	--	--	--	--	--	--
#1	46550	--	--	--	--	--	--
#2	46607	--	--	--	--	--	--

Method: NONAK Sample Name: WV5606-007 Operator:
Run Time: 10/31/05 15:26:06
Comment:
Mode: CONC Corr. Factor: 1

SD40-02 emf 11/9/05

Elem	Al	As	Ba	Be	B	Cd	Ca
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	69.090	.01737	.32035	.00950	.03791	.24660	15.532
SDev	.022	.00157	.00066	.00001	.00021	.00005	.015
%RSD	.03154	9.0215	.20614	.07959	.54272	.02051	.09689
#1	69.075	.01626	.31989	.00950	.03805	.24656	15.543
#2	69.106	.01847	.32082	.00951	.03776	.24663	15.522

Elem	Cr	Co	Cu	Fe	Mg	Mn	Mo
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	4.1162	.08732	.49072	131.21	19.887	1.0691	.00825
SDev	.0001	.00055	.00036	.02	.017	.0004	.00120
%RSD	.00237	.63006	.07422	.01196	.08521	.03394	14.528
#1	4.1163	.08771	.49046	131.20	19.899	1.0689	.00910
#2	4.1161	.08693	.49098	131.22	19.875	1.0694	.00740

Elem	Ni	Ag	Sr	Tl	Sn	Ti	V
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.22301	.01462	.16238	.00643	.07405	1.0800	.29843
SDev	.00100	.00026	.00000	.00096	.00058	.0008	.00011
%RSD	.44633	1.7788	.00095	14.897	.78416	.07516	.03514
#1	.22371	.01480	.16238	.00711	.07446	1.0794	.29836
#2	.22230	.01444	.16238	.00575	.07364	1.0806	.29850

Elem	Zn	Pb	Se	Sb	2068/1	2068/2	2203/1
Units	mg/L	mg/L	mg/L	mg/L			
Avge	2.4376	1.3792	.00246	.00010	-.00033	.00031	1.3366
SDev	.0005	.0151	.00136	.00037	.00802	.00345	.0011
%RSD	.02093	1.0941	55.446	372.87	2453.2	1110.6	.07998
#1	2.4380	1.3686	.00150	-.00016	-.00600	.00275	1.3359
#2	2.4373	1.3899	.00343	.00036	.00534	-.00213	1.3374

Elem	2203/2	1960/1	1960/2
Units			
Avge	1.4005	.00034	.00352
SDev	.0221	.00602	.00505
%RSD	1.5774	1779.9	143.53
#1	1.3849	.00460	-.00005
#2	1.4161	-.00392	.00709

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	360.063	--	--	--	--	--	--
Avge	47358	--	--	--	--	--	--
SDev	103.9447	--	--	--	--	--	--
%RSD	.2194848	--	--	--	--	--	--
#1	47285	--	--	--	--	--	--
#2	47432	--	--	--	--	--	--

$Pb = 1.3792\ mg/L \times \frac{1L}{1000ml} \times \frac{100ml}{1.1g} \times \frac{1000g}{1kg} \times \frac{1}{0.376} = 316\ mg/kg$

EWF 11/9/05

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**M. MARTIN**	**DATE:**	**NOVEMBER 22, 2005**
FROM:	**EDWARD SEDLMYER**	**COPIES:**	**DV FILE**
SUBJECT:	**ORGANIC DATA VALIDATION- VOC/SVOC/PCB LOCKHEED MIDDLE RIVER SDG MID-7**		
SAMPLES:	11/Sediment		

SD-36-SS*	SD-37-SS*	SD-38-SS*
SD-39-SS*	SD-40-01*	SD-40-02*
SD-40-SS*	SD-41-SS	SD-42-01
SD-42-02	SD-42-SS	

Overview

The sample set for Lockheed Middle River, SDG MID-7 consists of eleven (11) sediment environmental samples. All samples were analyzed for volatile organic compounds (VOCs). Samples denoted with an asterisk were also analyzed for semivolatile organic compounds (SVOCs) and polychlorinated biphenyls (PCBs).

The samples were collected by Tetra Tech NUS on October 21, 2005 and analyzed by Katahdin Analytical Services, Inc. All analyses were conducted in accordance with SW-846 8260B, 8270C, and 8082 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/continuing calibrations, laboratory method blank results, surrogate spike recoveries, blank spike/blank spike duplicate results, matrix spike/matrix spike duplicate results, internal standard recoveries, and detection limits. Areas of concern are listed below.

Major

- The VOA initial calibration relative response factors (RRFs) were less than the 0.05 quality control limit for acetone and tertiary-butyl alcohol on instrument GCMS-M. The non-detected results reported for acetone and tertiary-butyl alcohol have been rejected (UR) for all samples. Positive results for acetone were qualified as estimated (J) in the affected samples.

- The VOA continuing calibrations RRFs were less than the 0.05 quality control limit for acetone, tertiary-butyl alcohol, and 2-butanone on instrument GCMS-M. The non-detected results reported for acetone, tertiary-butyl alcohol, and 2-butanone have been rejected (UR) for all samples. Positive results for acetone were qualified as estimated (J), in the affected samples.

Minor

- The surrogates dibromofluoromethane, 1,2-dichloroethane-d4, toluene-d8, and p-bromofluorobenzene had recoveries less than the quality control limit for samples SD-37-SS and SD-42-02. The samples were re-analyzed with similar results. The original sample results were used for validation. All positive and non-detected results for samples SD-37-SS and SD-42-02

have been qualified as estimated (J).

- The surrogates dibromofluoromethane and toluene-d8 had recoveries less than the quality control limit for sample SD-41-SS. The sample was re-analyzed with similar results. The original sample results were used for validation. All positive and non-detected results for sample SD-41-SS have been qualified as estimated (J).

- The surrogate dibromofluoromethane had recoveries less than the quality control limit for samples SD-38-SS and SD-39-SS. The samples were re-analyzed with similar results. The original sample results were used for validation. All positive and non-detected results for samples SD-38-SS and SD-39-SS have been qualified as estimated (J).

- The internal standard 1,4-dichlorobenzene-d4 had low area counts less than 50% the quality control limit for samples SD-40-02, SD-42-SS, and SD-42-01. The samples were re-analyzed with acceptable internal standard area counts for samples SD-40-02 and SD-42-SS, however, because of surrogate recovery problems, the original sample results were used for validation. The non-detected results quantitated using the unacceptable internal standards were qualified as estimated (UJ). Sample SD-42-01 had similar internal standard area counts in the re-analysis. The original analysis was used for validation and the non-detected results quantitated using the unacceptable internal standards were qualified as estimated (UJ).

- The SVOC continuing calibrations performed on 10/29/05 at 11:35 and 10/30/05 at 20:24 on instrument GCMS-K exceeded the 25% (and was >50%) difference quality control limit for benzyl alcohol. The non-detected benzyl alcohol results for all samples have been qualified as estimated (UJ).

- The following compounds were detected in the VOC and SVOC method blanks at the maximum concentrations listed below:

Compound	Maximum Concentration	Blank Action Level
1,24-Trichlorobenzene	3 ug/kg	15 ug/kg
Methylene chloride	2 µg/kg	20 µg/kg
1,4-Dichlorobenzene[(1)]	32 µg/kg	160 µg/kg
Acenaphthene[(1)]	68 µg/kg	340 µg/kg

1 – Detected in the SVOA method blanks.

Blank Actions

- Value < Reporting Limit (RL); report value followed by a B.
- Value > RL and < Action Level; report value followed by a B.
- Value > RL and > Action Level; report value unqualified.

An action level of 10X the maximum contaminant concentration was established to evaluate laboratory contamination for methylene chloride; and 5X for 1,4-dichlorobenzene and acenaphthalene. Sample aliquots, percent solids, and dilution factors were taken into consideration during the application of the action level. All positive 1,4-dichlorobenzene and acenaphthalene were qualified (B) as a result of blank contamination.

- Positive and non-detected results reported for all compounds in samples SD-36-SS, SD-37-SS, SD-38-SS, SD-39-SS, SD-40-SS and SD-41-SS were qualified as estimated, "J" and "UJ", respectively, due to low (< 30%) percent solids.

Notes

The Laboratory control sample (LCS) associated with batch WG22077 had recoveries greater than the quality control limit for o-xylene, styrene, and 4-chlorotoluene and less than the quality control limit for sec-butylbenzene. No action was taken on this basis because these compounds were not detected in any associated samples.

The LCS associated with batch WG22133 had recoveries greater than the quality control limit for 1,1-dichloropropene, bromodichloromethane, tetrachloroethene, ethylbenzene, and total xylenes and less than the quality control limit for sec-butylbenzene and tertiary-butyl alcohol. No action was taken on this basis because these compounds were not detected in any associated samples. Tertiary-butyl alcohol was previously rejected due to low RRF.

The VOC continuing calibration performed on 10/26/05 at 15:59 on instrument GCMS-M exceeded the 25% (but was <50%) difference quality control limit for ethyl tertiary-butyl ether, tert-butylbenzene, and sec-butylbenzene. No action was taken on the non-detected results reported for the aforementioned compounds. Acetone exceeded the 50% difference quality control limit but was previously rejected due to low RRF.

The VOC continuing calibration performed on 10/27/05 at 18:24 on instrument GCMS-M exceeded the 25% (but was <50%) difference quality control limit for acetone, tert-butylbenzene, sec-butylbenzene, 1,2,4-trichlorobenzene, and 1,2,3-trichlorobenzene. No action was taken on the non-detected results reported for the aforementioned compounds.

The LCS associated with batch WG21977 had recoveries greater than the quality control limit for hexachlorocyclopentadiene, and less than the quality control limit for benzyl alcohol, 3-nitroaniline, 4-nitroaniline, N-nitrosodiphenylamine, and carbazole. No action was taken on this basis because these compounds were not detected in any associated samples.

The SVOC continuing calibration performed on 10/29/05 at 11:35 on instrument GCMS-K exceeded the 25% (but was <50%) difference quality control limit for benzoic acid, 2-methylnaphthalene, and 4-nitrophenol. No action was taken on the non-detected results reported for the aforementioned compounds.

The SVOC continuing calibration performed on 10/30/05 at 20:24 on instrument GCMS-K exceeded the 25% (but was <50%) difference quality control limit for benzoic acid. No action was taken on the non-detected results reported for benzoic acid.

The surrogate tetrachloro-m-xylene had recoveries greater than the quality control limit for WG22175-BLANK, WG22175-LCS, WG22175-LCSD, and WG22135-BLANK. No action was taken on this basis because only QC samples were affected.

The LCS / LCSD associated with QC batch WG22175 had an LCSD recovery (119%, > 118% limit) greater than the quality control limit for Aroclor-1260. No action was taken on this basis because the LCS recovery was acceptable and the recovery is only marginally outside of control limit.

Average calibration verification %D exceeded the 15% (but was <30%) quality control limit for Aroclor-1016 on column RTX-5 and RTX-35 on instrument GC06, on 10/31/05 @02:29. No action was taken on the non-detected results for Aroclor-1016.

The surrogate terphenyl-d14 had a recovery less than the quality control limit in the method blank, SD-40-SS, SD-39-SS, and SD-40-01. No action was taken on this basis because only one surrogate per fraction was out side recovery limits.

Executive Summary

Laboratory Performance: Qualifications were made on initial and continuing calibration of several VOA, SVOA, and PCB compounds that failed to comply with %D or RRF quality control criteria. Qualifications were made based on blank contamination for the SVOA fraction.

Other Factors Affecting Data Quality: Several VOC compounds were qualified due to surrogate and internal standard non-compliances.

The data for these analyses were reviewed with reference to SW-846 method-specific requirements and U.S. EPA National Functional Guidelines for Data Validation as modified by EPA Region III (9/94) to the extent practicable. The text of this report has been formulated to address only those problem areas affecting data quality.

Tetra Tech NUS
Edward Sedlmyer
Chemist/Data Validator

Tetra Tech NUS
Joseph A. Samchuck
Quality Assurance Officer

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

Appendix A

Qualified Analytical Results

Data Validation Qualifier Codes:

A = Lab Blank Contamination
B = Field Blank Contamination
C = Calibration Noncompliance (e.g. % RSDs, %Ds, ICVs, CCVs, RRFs, etc.)
C01 = GC/MS Tuning Noncompliance
D = MS/MSD Recovery Noncompliance
E = LCS/LCSD Recovery Noncompliance
F = Lab Duplicate Imprecision
G = Field Duplicate Imprecision
H = Holding Time Exceedance
I = ICP Serial Dilution Noncompliance
J = GFAA PDS - GFAA MSA's $r < 0.995$
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: 00275

SDG: MID-7 MEDIA: SOIL DATA FRACTION: OV

nsample	SD-36-SS	nsample	SD-36-SS	nsample	SD-36-SS
samp_date	10/21/2005	samp_date	10/21/2005	samp_date	10/21/2005
lab_id	WV5606-1RA	lab_id	WV5606-1RA	lab_id	WV5606-1RA
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	26.7	Pct_Solids	26.7	Pct_Solids	26.7
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	17	UJ	Y
1,1,1-TRICHLOROETHANE	17	UJ	Y
1,1,2,2-TETRACHLOROETHANE	17	UJ	Y
1,1,2-TRICHLOROTRIFLUOROETHANE	17	UJ	Y
1,1-DICHLOROETHANE	17	UJ	Y
1,1-DICHLOROETHENE	17	UJ	Y
1,1-DICHLOROPROPENE	17	UJ	Y
1,2,3-TRICHLOROBENZENE	17	UJ	Y
1,2,3-TRICHLOROPROPANE	17	UJ	Y
1,2,3-TRIMETHYLBENZENE	17	UJ	Y
1,2,4-TRICHLOROBENZENE	17	UJ	Y
1,2,4-TRIMETHYLBENZENE	17	UJ	Y
1,2-DIBROMO-3-CHLOROPROPANE	17	UJ	Y
1,2-DIBROMOETHANE	17	UJ	Y
1,2-DICHLOROBENZENE	17	UJ	Y
1,2-DICHLOROETHANE	17	UJ	Y
1,2-DICHLOROPROPANE	17	UJ	Y
1,3-DICHLOROBENZENE	17	UJ	Y
1,3-DICHLOROPROPANE	17	UJ	Y
1,4-DICHLOROBENZENE	17	UJ	Y
2,2-DICHLOROPROPANE	17	UJ	Y
2-BUTANONE	87	UR	C
2-CHLOROETHYL VINYL ETHER	17	UJ	Y
2-CHLOROTOLUENE	17	UJ	Y
2-HEXANONE	87	UJ	Y
4-CHLOROTOLUENE	17	UJ	Y
4-ISOPROPYLTOLUENE	17	UJ	Y
4-METHYL-2-PENTANONE	87	UJ	Y
ACETONE	79	J	CPY
BENZENE	17	UJ	Y
BROMOBENZENE	17	UJ	Y
BROMOCHLOROMETHANE	17	UJ	Y

Parameter	Result	Val Qual	Qual Code
BROMODICHLOROMETHANE	17	UJ	Y
BROMOFORM	17	UJ	Y
BROMOMETHANE	35	UJ	Y
CARBON DISULFIDE	17	UJ	Y
CARBON TETRACHLORIDE	17	UJ	Y
CHLOROBENZENE	17	UJ	Y
CHLORODIBROMOMETHANE	17	UJ	Y
CHLOROETHANE	35	UJ	Y
CHLOROFORM	17	UJ	Y
CHLOROMETHANE	35	UJ	Y
CIS-1,2-DICHLOROETHENE	17	UJ	Y
CIS-1,3-DICHLOROPROPENE	17	UJ	Y
DIBROMOMETHANE	17	UJ	Y
DICHLORODIFLUOROMETHANE	35	UJ	Y
DIISOPROPYL ETHER	17	UJ	Y
ETHYL TERT-BUTYL ETHER	17	UJ	Y
ETHYLBENZENE	17	UJ	Y
HEXACHLOROBUTADIENE	17	UJ	Y
ISOPROPYLBENZENE	17	UJ	Y
M+P-XYLENES	35	UJ	Y
METHYL TERT-BUTYL ETHER	5	J	PY
METHYLENE CHLORIDE	17	UJ	Y
NAPHTHALENE	17	UJ	Y
N-BUTYLBENZENE	17	UJ	Y
N-PROPYLBENZENE	17	UJ	Y
O-XYLENE	17	UJ	Y
SEC-BUTYLBENZENE	17	UJ	Y
STYRENE	17	UJ	Y
TERT-AMYL METHYL ETHER	17	UJ	Y
TERT-BUTYLBENZENE	17	UJ	Y
TERTIARY-BUTYL ALCOHOL	35	UR	C
TETRACHLOROETHENE	17	UJ	Y

Parameter	Result	Val Qual	Qual Code
TOLUENE	17	UJ	Y
TOTAL 1,2-DICHLOROETHENE	35	UJ	Y
TOTAL XYLENES	52	UJ	Y
TRANS-1,2-DICHLOROETHENE	17	UJ	Y
TRANS-1,3-DICHLOROPROPENE	17	UJ	Y
TRICHLOROETHENE	17	UJ	Y
TRICHLOROFLUOROMETHANE	35	UJ	Y
VINYL ACETATE	17	UJ	Y
VINYL CHLORIDE	35	UJ	Y

PROJ_NO: 00275

SDG: MID-7 MEDIA: SOIL DATA FRACTION: OV

nsample	SD-37-SS
samp_date	10/21/2005
lab_id	WV5606-2
qc_type	NM
units	UG/KG
Pct_Solids	23.6
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	21	UJ	RY
1,1,1-TRICHLOROETHANE	21	UJ	RY
1,1,2,2-TETRACHLOROETHANE	21	UJ	RY
1,1,2-TRICHLOROTRIFLUOROETHANE	21	UJ	RY
1,1-DICHLOROETHANE	21	UJ	RY
1,1-DICHLOROETHENE	21	UJ	RY
1,1-DICHLOROPROPENE	21	UJ	RY
1,2,3-TRICHLOROBENZENE	21	UJ	RY
1,2,3-TRICHLOROPROPANE	21	UJ	RY
1,2,3-TRIMETHYLBENZENE	21	UJ	RY
1,2,4-TRICHLOROBENZENE	21	UJ	RY
1,2,4-TRIMETHYLBENZENE	21	UJ	RY
1,2-DIBROMO-3-CHLOROPROPANE	21	UJ	RY
1,2-DIBROMOETHANE	21	UJ	RY
1,2-DICHLOROBENZENE	21	UJ	RY
1,2-DICHLOROETHANE	21	UJ	RY
1,2-DICHLOROPROPANE	21	UJ	RY
1,3-DICHLOROBENZENE	21	UJ	RY
1,3-DICHLOROPROPANE	21	UJ	RY
1,4-DICHLOROBENZENE	21	UJ	RY
2,2-DICHLOROPROPANE	21	UJ	RY
2-BUTANONE	100	UR	C
2-CHLOROETHYL VINYL ETHER	21	UJ	RY
2-CHLOROTOLUENE	21	UJ	RY
2-HEXANONE	100	UJ	RY
4-CHLOROTOLUENE	21	UJ	RY
4-ISOPROPYLTOLUENE	21	UJ	RY
4-METHYL-2-PENTANONE	100	UJ	RY
ACETONE	130	J	CRY
BENZENE	21	UJ	RY
BROMOBENZENE	21	UJ	RY
BROMOCHLOROMETHANE	21	UJ	RY

nsample	SD-37-SS
samp_date	10/21/2005
lab_id	WV5606-2
qc_type	NM
units	UG/KG
Pct_Solids	23.6
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BROMODICHLOROMETHANE	21	UJ	RY
BROMOFORM	21	UJ	RY
BROMOMETHANE	42	UJ	RY
CARBON DISULFIDE	21	UJ	RY
CARBON TETRACHLORIDE	21	UJ	RY
CHLOROBENZENE	21	UJ	RY
CHLORODIBROMOMETHANE	21	UJ	RY
CHLOROETHANE	42	UJ	RY
CHLOROFORM	21	UJ	RY
CHLOROMETHANE	42	UJ	RY
CIS-1,2-DICHLOROETHENE	21	UJ	RY
CIS-1,3-DICHLOROPROPENE	21	UJ	RY
DIBROMOMETHANE	21	UJ	RY
DICHLORODIFLUOROMETHANE	42	UJ	RY
DIISOPROPYL ETHER	21	UJ	RY
ETHYL TERT-BUTYL ETHER	21	UJ	RY
ETHYLBENZENE	21	UJ	RY
HEXACHLOROBUTADIENE	21	UJ	RY
ISOPROPYLBENZENE	21	UJ	RY
M+P-XYLENES	42	UJ	RY
METHYL TERT-BUTYL ETHER	5	J	PRY
METHYLENE CHLORIDE	21	UJ	RY
NAPHTHALENE	21	UJ	RY
N-BUTYLBENZENE	21	UJ	RY
N-PROPYLBENZENE	21	UJ	RY
O-XYLENE	21	UJ	RY
SEC-BUTYLBENZENE	21	UJ	RY
STYRENE	21	UJ	RY
TERT-AMYL METHYL ETHER	21	UJ	RY
TERT-BUTYLBENZENE	21	UJ	RY
TERTIARY-BUTYL ALCOHOL	42	UR	C
TETRACHLOROETHENE	21	UJ	RY

nsample	SD-37-SS
samp_date	10/21/2005
lab_id	WV5606-2
qc_type	NM
units	UG/KG
Pct_Solids	23.6
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOLUENE	21	UJ	RY
TOTAL 1,2-DICHLOROETHENE	42	UJ	RY
TOTAL XYLENES	63	UJ	RY
TRANS-1,2-DICHLOROETHENE	21	UJ	RY
TRANS-1,3-DICHLOROPROPENE	21	UJ	RY
TRICHLOROETHENE	21	UJ	RY
TRICHLOROFLUOROMETHANE	42	UJ	RY
VINYL ACETATE	21	UJ	RY
VINYL CHLORIDE	42	UJ	RY

PROJ_NO: 00275

SDG: MID-7 MEDIA: SOIL DATA FRACTION: OV

nsample	SD-38-SS
samp_date	10/21/2005
lab_id	WV5606-3
qc_type	NM
units	UG/KG
Pct_Solids	20.7
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	24	UJ	RY
1,1,1-TRICHLOROETHANE	24	UJ	RY
1,1,2,2-TETRACHLOROETHANE	24	UJ	RY
1,1,2-TRICHLOROTRIFLUOROETHANE	24	UJ	RY
1,1-DICHLOROETHANE	24	UJ	RY
1,1-DICHLOROETHENE	24	UJ	RY
1,1-DICHLOROPROPENE	24	UJ	RY
1,2,3-TRICHLOROBENZENE	24	UJ	RY
1,2,3-TRICHLOROPROPANE	24	UJ	RY
1,2,3-TRIMETHYLBENZENE	24	UJ	RY
1,2,4-TRICHLOROBENZENE	24	UJ	RY
1,2,4-TRIMETHYLBENZENE	24	UJ	RY
1,2-DIBROMO-3-CHLOROPROPANE	24	UJ	RY
1,2-DIBROMOETHANE	24	UJ	RY
1,2-DICHLOROBENZENE	24	UJ	RY
1,2-DICHLOROETHANE	24	UJ	RY
1,2-DICHLOROPROPANE	24	UJ	RY
1,3-DICHLOROBENZENE	24	UJ	RY
1,3-DICHLOROPROPANE	24	UJ	RY
1,4-DICHLOROBENZENE	24	UJ	RY
2,2-DICHLOROPROPANE	24	UJ	RY
2-BUTANONE	120	UR	C
2-CHLOROETHYL VINYL ETHER	24	UJ	RY
2-CHLOROTOLUENE	24	UJ	RY
2-HEXANONE	120	UJ	RY
4-CHLOROTOLUENE	24	UJ	RY
4-ISOPROPYLTOLUENE	24	UJ	RY
4-METHYL-2-PENTANONE	120	UJ	RY
ACETONE	120	UR	C
BENZENE	24	UJ	RY
BROMOBENZENE	24	UJ	RY
BROMOCHLOROMETHANE	24	UJ	RY

nsample	SD-38-SS
samp_date	10/21/2005
lab_id	WV5606-3
qc_type	NM
units	UG/KG
Pct_Solids	20.7
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BROMODICHLOROMETHANE	24	UJ	RY
BROMOFORM	24	UJ	RY
BROMOMETHANE	48	UJ	RY
CARBON DISULFIDE	24	UJ	RY
CARBON TETRACHLORIDE	24	UJ	RY
CHLOROBENZENE	24	UJ	RY
CHLORODIBROMOMETHANE	24	UJ	RY
CHLOROETHANE	48	UJ	RY
CHLOROFORM	24	UJ	RY
CHLOROMETHANE	48	UJ	RY
CIS-1,2-DICHLOROETHENE	24	UJ	RY
CIS-1,3-DICHLOROPROPENE	24	UJ	RY
DIBROMOMETHANE	24	UJ	RY
DICHLORODIFLUOROMETHANE	48	UJ	RY
DIISOPROPYL ETHER	24	UJ	RY
ETHYL TERT-BUTYL ETHER	24	UJ	RY
ETHYLBENZENE	24	UJ	RY
HEXACHLOROBUTADIENE	24	UJ	RY
ISOPROPYLBENZENE	24	UJ	RY
M+P-XYLENES	48	UJ	RY
METHYL TERT-BUTYL ETHER	7	J	PRY
METHYLENE CHLORIDE	24	UJ	RY
NAPHTHALENE	24	UJ	RY
N-BUTYLBENZENE	24	UJ	RY
N-PROPYLBENZENE	24	UJ	RY
O-XYLENE	24	UJ	RY
SEC-BUTYLBENZENE	24	UJ	RY
STYRENE	24	UJ	RY
TERT-AMYL METHYL ETHER	24	UJ	RY
TERT-BUTYLBENZENE	24	UJ	RY
TERTIARY-BUTYL ALCOHOL	48	UR	C
TETRACHLOROETHENE	24	UJ	RY

nsample	SD-38-SS
samp_date	10/21/2005
lab_id	WV5606-3
qc_type	NM
units	UG/KG
Pct_Solids	20.7
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOLUENE	24	UJ	RY
TOTAL 1,2-DICHLOROETHENE	48	UJ	RY
TOTAL XYLENES	72	UJ	RY
TRANS-1,2-DICHLOROETHENE	24	UJ	RY
TRANS-1,3-DICHLOROPROPENE	24	UJ	RY
TRICHLOROETHENE	24	UJ	RY
TRICHLOROFLUOROMETHANE	48	UJ	RY
VINYL ACETATE	24	UJ	RY
VINYL CHLORIDE	48	UJ	RY

PROJ_NO: 00275

SDG: MID-7 MEDIA: SOIL DATA FRACTION: OV

nsample	SD-39-SS
samp_date	10/21/2005
lab_id	WV5606-4
qc_type	NM
units	UG/KG
Pct_Solids	29.8
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	17	UJ	RY
1,1,1-TRICHLOROETHANE	17	UJ	RY
1,1,2,2-TETRACHLOROETHANE	17	UJ	RY
1,1,2-TRICHLOROTRIFLUOROETHANE	17	UJ	RY
1,1-DICHLOROETHANE	17	UJ	RY
1,1-DICHLOROETHENE	17	UJ	RY
1,1-DICHLOROPROPENE	17	UJ	RY
1,2,3-TRICHLOROBENZENE	17	UJ	RY
1,2,3-TRICHLOROPROPANE	17	UJ	RY
1,2,3-TRIMETHYLBENZENE	17	UJ	RY
1,2,4-TRICHLOROBENZENE	17	UJ	RY
1,2,4-TRIMETHYLBENZENE	17	UJ	RY
1,2-DIBROMO-3-CHLOROPROPANE	17	UJ	RY
1,2-DIBROMOETHANE	17	UJ	RY
1,2-DICHLOROBENZENE	17	UJ	RY
1,2-DICHLOROETHANE	17	UJ	RY
1,2-DICHLOROPROPANE	17	UJ	RY
1,3-DICHLOROBENZENE	17	UJ	RY
1,3-DICHLOROPROPANE	17	UJ	RY
1,4-DICHLOROBENZENE	17	UJ	RY
2,2-DICHLOROPROPANE	17	UJ	RY
2-BUTANONE	84	UR	C
2-CHLOROETHYL VINYL ETHER	17	UJ	RY
2-CHLOROTOLUENE	17	UJ	RY
2-HEXANONE	84	UJ	RY
4-CHLOROTOLUENE	17	UJ	RY
4-ISOPROPYLTOLUENE	17	UJ	RY
4-METHYL-2-PENTANONE	84	UJ	RY
ACETONE	84	UR	C
BENZENE	17	UJ	RY
BROMOBENZENE	17	UJ	RY
BROMOCHLOROMETHANE	17	UJ	RY

nsample	SD-39-SS
samp_date	10/21/2005
lab_id	WV5606-4
qc_type	NM
units	UG/KG
Pct_Solids	29.8
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BROMODICHLOROMETHANE	17	UJ	RY
BROMOFORM	17	UJ	RY
BROMOMETHANE	34	UJ	RY
CARBON DISULFIDE	17	UJ	RY
CARBON TETRACHLORIDE	17	UJ	RY
CHLOROBENZENE	17	UJ	RY
CHLORODIBROMOMETHANE	17	UJ	RY
CHLOROETHANE	34	UJ	RY
CHLOROFORM	17	UJ	RY
CHLOROMETHANE	34	UJ	RY
CIS-1,2-DICHLOROETHENE	17	UJ	RY
CIS-1,3-DICHLOROPROPENE	17	UJ	RY
DIBROMOMETHANE	17	UJ	RY
DICHLORODIFLUOROMETHANE	34	UJ	RY
DIISOPROPYL ETHER	17	UJ	RY
ETHYL TERT-BUTYL ETHER	17	UJ	RY
ETHYLBENZENE	17	UJ	RY
HEXACHLOROBUTADIENE	17	UJ	RY
ISOPROPYLBENZENE	17	UJ	RY
M+P-XYLENES	34	UJ	RY
METHYL TERT-BUTYL ETHER	34	UJ	RY
METHYLENE CHLORIDE	17	UJ	RY
NAPHTHALENE	17	UJ	RY
N-BUTYLBENZENE	17	UJ	RY
N-PROPYLBENZENE	17	UJ	RY
O-XYLENE	17	UJ	RY
SEC-BUTYLBENZENE	17	UJ	RY
STYRENE	17	UJ	RY
TERT-AMYL METHYL ETHER	17	UJ	RY
TERT-BUTYLBENZENE	17	UJ	RY
TERTIARY-BUTYL ALCOHOL	34	UR	C
TETRACHLOROETHENE	17	UJ	RY

nsample	SD-39-SS
samp_date	10/21/2005
lab_id	WV5606-4
qc_type	NM
units	UG/KG
Pct_Solids	29.8
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOLUENE	17	UJ	RY
TOTAL 1,2-DICHLOROETHENE	34	UJ	RY
TOTAL XYLENES	50	UJ	RY
TRANS-1,2-DICHLOROETHENE	17	UJ	RY
TRANS-1,3-DICHLOROPROPENE	17	UJ	RY
TRICHLOROETHENE	17	UJ	RY
TRICHLOROFLUOROMETHANE	34	UJ	RY
VINYL ACETATE	17	UJ	RY
VINYL CHLORIDE	34	UJ	RY

PROJ_NO: 00275

SDG: MID-7 MEDIA: SOIL DATA FRACTION: OV

nsample	SD-40-01
samp_date	10/21/2005
lab_id	WV5606-6
qc_type	NM
units	UG/KG
Pct_Solids	38.1
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	13	U	
1,1,1-TRICHLOROETHANE	13	U	
1,1,2,2-TETRACHLOROETHANE	13	U	
1,1,2-TRICHLOROTRIFLUOROETHANE	13	U	
1,1-DICHLOROETHANE	13	U	
1,1-DICHLOROETHENE	13	U	
1,1-DICHLOROPROPENE	13	U	
1,2,3-TRICHLOROBENZENE	13	U	
1,2,3-TRICHLOROPROPANE	13	U	
1,2,3-TRIMETHYLBENZENE	13	U	
1,2,4-TRICHLOROBENZENE	13	U	
1,2,4-TRIMETHYLBENZENE	13	U	
1,2-DIBROMO-3-CHLOROPROPANE	13	U	
1,2-DIBROMOETHANE	13	U	
1,2-DICHLOROBENZENE	13	U	
1,2-DICHLOROETHANE	13	U	
1,2-DICHLOROPROPANE	13	U	
1,3-DICHLOROBENZENE	13	U	
1,3-DICHLOROPROPANE	13	U	
1,4-DICHLOROBENZENE	13	U	
2,2-DICHLOROPROPANE	13	U	
2-BUTANONE	66	UR	C
2-CHLOROETHYL VINYL ETHER	13	U	
2-CHLOROTOLUENE	13	U	
2-HEXANONE	66	U	
4-CHLOROTOLUENE	13	U	
4-ISOPROPYLTOLUENE	13	U	
4-METHYL-2-PENTANONE	66	U	
ACETONE	200	J	C
BENZENE	13	U	
BROMOBENZENE	13	U	
BROMOCHLOROMETHANE	13	U	

nsample	SD-40-01
samp_date	10/21/2005
lab_id	WV5606-6
qc_type	NM
units	UG/KG
Pct_Solids	38.1
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BROMODICHLOROMETHANE	13	U	
BROMOFORM	13	U	
BROMOMETHANE	26	U	
CARBON DISULFIDE	13	U	
CARBON TETRACHLORIDE	13	U	
CHLOROBENZENE	13	U	
CHLORODIBROMOMETHANE	13	U	
CHLOROETHANE	26	U	
CHLOROFORM	13	U	
CHLOROMETHANE	26	U	
CIS-1,2-DICHLOROETHENE	13	U	
CIS-1,3-DICHLOROPROPENE	13	U	
DIBROMOMETHANE	13	U	
DICHLORODIFLUOROMETHANE	26	U	
DIISOPROPYL ETHER	13	U	
ETHYL TERT-BUTYL ETHER	13	U	
ETHYLBENZENE	13	U	
HEXACHLOROBUTADIENE	13	U	
ISOPROPYLBENZENE	13	U	
M+P-XYLENES	26	U	
METHYL TERT-BUTYL ETHER	26	U	
METHYLENE CHLORIDE	13	U	
NAPHTHALENE	13	U	
N-BUTYLBENZENE	13	U	
N-PROPYLBENZENE	13	U	
O-XYLENE	13	U	
SEC-BUTYLBENZENE	13	U	
STYRENE	13	U	
TERT-AMYL METHYL ETHER	13	U	
TERT-BUTYLBENZENE	13	U	
TERTIARY-BUTYL ALCOHOL	26	UR	C
TETRACHLOROETHENE	13	U	

nsample	SD-40-01
samp_date	10/21/2005
lab_id	WV5606-6
qc_type	NM
units	UG/KG
Pct_Solids	38.1
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOLUENE	13	U	
TOTAL 1,2-DICHLOROETHENE	26	U	
TOTAL XYLENES	39	U	
TRANS-1,2-DICHLOROETHENE	13	U	
TRANS-1,3-DICHLOROPROPENE	13	U	
TRICHLOROETHENE	13	U	
TRICHLOROFLUOROMETHANE	26	U	
VINYL ACETATE	13	U	
VINYL CHLORIDE	26	U	

PROJ_NO: 00275

SDG: MID-7 MEDIA: SOIL DATA FRACTION: OV

nsample	SD-40-02
samp_date	10/21/2005
lab_id	WV5606-7
qc_type	NM
units	UG/KG
Pct_Solids	37.6
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	13	U	
1,1,1-TRICHLOROETHANE	13	U	
1,1,2,2-TETRACHLOROETHANE	13	UJ	N
1,1,2-TRICHLOROTRIFLUOROETHANE	13	U	
1,1-DICHLOROETHANE	13	U	
1,1-DICHLOROETHENE	13	U	
1,1-DICHLOROPROPENE	13	U	
1,2,3-TRICHLOROBENZENE	13	UJ	N
1,2,3-TRICHLOROPROPANE	13	UJ	N
1,2,3-TRIMETHYLBENZENE	13	UJ	N
1,2,4-TRICHLOROBENZENE	13	UJ	N
1,2,4-TRIMETHYLBENZENE	13	UJ	N
1,2-DIBROMO-3-CHLOROPROPANE	13	UJ	N
1,2-DIBROMOETHANE	13	U	
1,2-DICHLOROBENZENE	13	UJ	N
1,2-DICHLOROETHANE	13	U	
1,2-DICHLOROPROPANE	13	U	
1,3-DICHLOROBENZENE	13	UJ	N
1,3-DICHLOROPROPANE	13	U	
1,4-DICHLOROBENZENE	13	UJ	N
2,2-DICHLOROPROPANE	13	U	
2-BUTANONE	66	UR	C
2-CHLOROETHYL VINYL ETHER	13	U	
2-CHLOROTOLUENE	13	UJ	N
2-HEXANONE	66	U	
4-CHLOROTOLUENE	13	UJ	N
4-ISOPROPYLTOLUENE	13	UJ	N
4-METHYL-2-PENTANONE	66	U	
ACETONE	240	J	C
BENZENE	13	U	
BROMOBENZENE	13	UJ	N
BROMOCHLOROMETHANE	13	U	

nsample	SD-40-02
samp_date	10/21/2005
lab_id	WV5606-7
qc_type	NM
units	UG/KG
Pct_Solids	37.6
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BROMODICHLOROMETHANE	13	U	
BROMOFORM	13	U	
BROMOMETHANE	27	U	
CARBON DISULFIDE	5	J	P
CARBON TETRACHLORIDE	13	U	
CHLOROBENZENE	13	U	
CHLORODIBROMOMETHANE	13	U	
CHLOROETHANE	27	U	
CHLOROFORM	13	U	
CHLOROMETHANE	27	U	
CIS-1,2-DICHLOROETHENE	13	U	
CIS-1,3-DICHLOROPROPENE	13	U	
DIBROMOMETHANE	13	U	
DICHLORODIFLUOROMETHANE	27	U	
DIISOPROPYL ETHER	13	U	
ETHYL TERT-BUTYL ETHER	13	U	
ETHYLBENZENE	13	U	
HEXACHLOROBUTADIENE	13	UJ	N
ISOPROPYLBENZENE	13	UJ	N
M+P-XYLENES	27	U	
METHYL TERT-BUTYL ETHER	27	U	
METHYLENE CHLORIDE	13	U	
NAPHTHALENE	13	UJ	N
N-BUTYLBENZENE	13	UJ	N
N-PROPYLBENZENE	13	UJ	N
O-XYLENE	13	U	
SEC-BUTYLBENZENE	13	UJ	N
STYRENE	13	U	
TERT-AMYL METHYL ETHER	13	U	
TERT-BUTYLBENZENE	13	U	
TERTIARY-BUTYL ALCOHOL	27	UR	C
TETRACHLOROETHENE	13	U	

nsample	SD-40-02
samp_date	10/21/2005
lab_id	WV5606-7
qc_type	NM
units	UG/KG
Pct_Solids	37.6
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOLUENE	13	U	
TOTAL 1,2-DICHLOROETHENE	27	U	
TOTAL XYLENES	40	U	
TRANS-1,2-DICHLOROETHENE	13	U	
TRANS-1,3-DICHLOROPROPENE	13	U	
TRICHLOROETHENE	13	U	
TRICHLOROFLUOROMETHANE	27	U	
VINYL ACETATE	13	U	
VINYL CHLORIDE	27	U	

PROJ_NO: 00275

SDG: MID-7 MEDIA: SOIL DATA FRACTION: OV

nsample	SD-40-SS
samp_date	10/21/2005
lab_id	WV5606-5
qc_type	NM
units	UG/KG
Pct_Solids	27.7
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	18	UJ	Y
1,1,1-TRICHLOROETHANE	18	UJ	Y
1,1,2,2-TETRACHLOROETHANE	18	UJ	Y
1,1,2-TRICHLOROTRIFLUOROETHANE	18	UJ	Y
1,1-DICHLOROETHANE	18	UJ	Y
1,1-DICHLOROETHENE	18	UJ	Y
1,1-DICHLOROPROPENE	18	UJ	Y
1,2,3-TRICHLOROBENZENE	18	UJ	Y
1,2,3-TRICHLOROPROPANE	18	UJ	Y
1,2,3-TRIMETHYLBENZENE	18	UJ	Y
1,2,4-TRICHLOROBENZENE	18	UJ	Y
1,2,4-TRIMETHYLBENZENE	18	UJ	Y
1,2-DIBROMO-3-CHLOROPROPANE	18	UJ	Y
1,2-DIBROMOETHANE	18	UJ	Y
1,2-DICHLOROBENZENE	18	UJ	Y
1,2-DICHLOROETHANE	18	UJ	Y
1,2-DICHLOROPROPANE	18	UJ	Y
1,3-DICHLOROBENZENE	18	UJ	Y
1,3-DICHLOROPROPANE	18	UJ	Y
1,4-DICHLOROBENZENE	18	UJ	Y
2,2-DICHLOROPROPANE	18	UJ	Y
2-BUTANONE	90	UR	C
2-CHLOROETHYL VINYL ETHER	18	UJ	Y
2-CHLOROTOLUENE	18	UJ	Y
2-HEXANONE	90	UJ	Y
4-CHLOROTOLUENE	18	UJ	Y
4-ISOPROPYLTOLUENE	18	UJ	Y
4-METHYL-2-PENTANONE	90	UJ	Y
ACETONE	150	J	CY
BENZENE	18	UJ	Y
BROMOBENZENE	18	UJ	Y
BROMOCHLOROMETHANE	18	UJ	Y

nsample	SD-40-SS
samp_date	10/21/2005
lab_id	WV5606-5
qc_type	NM
units	UG/KG
Pct_Solids	27.7
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BROMODICHLOROMETHANE	18	UJ	Y
BROMOFORM	18	UJ	Y
BROMOMETHANE	36	UJ	Y
CARBON DISULFIDE	18	UJ	Y
CARBON TETRACHLORIDE	18	UJ	Y
CHLOROBENZENE	18	UJ	Y
CHLORODIBROMOMETHANE	18	UJ	Y
CHLOROETHANE	36	UJ	Y
CHLOROFORM	18	UJ	Y
CHLOROMETHANE	36	UJ	Y
CIS-1,2-DICHLOROETHENE	18	UJ	Y
CIS-1,3-DICHLOROPROPENE	18	UJ	Y
DIBROMOMETHANE	18	UJ	Y
DICHLORODIFLUOROMETHANE	36	UJ	Y
DIISOPROPYL ETHER	18	UJ	Y
ETHYL TERT-BUTYL ETHER	18	UJ	Y
ETHYLBENZENE	18	UJ	Y
HEXACHLOROBUTADIENE	18	UJ	Y
ISOPROPYLBENZENE	18	UJ	Y
M+P-XYLENES	36	UJ	Y
METHYL TERT-BUTYL ETHER	36	UJ	Y
METHYLENE CHLORIDE	18	UJ	Y
NAPHTHALENE	18	UJ	Y
N-BUTYLBENZENE	18	UJ	Y
N-PROPYLBENZENE	18	UJ	Y
O-XYLENE	18	UJ	Y
SEC-BUTYLBENZENE	18	UJ	Y
STYRENE	18	UJ	Y
TERT-AMYL METHYL ETHER	18	UJ	Y
TERT-BUTYLBENZENE	18	UJ	Y
TERTIARY-BUTYL ALCOHOL	36	UR	C
TETRACHLOROETHENE	18	UJ	Y

nsample	SD-40-SS
samp_date	10/21/2005
lab_id	WV5606-5
qc_type	NM
units	UG/KG
Pct_Solids	27.7
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOLUENE	18	UJ	Y
TOTAL 1,2-DICHLOROETHENE	36	UJ	Y
TOTAL XYLENES	54	UJ	Y
TRANS-1,2-DICHLOROETHENE	18	UJ	Y
TRANS-1,3-DICHLOROPROPENE	18	UJ	Y
TRICHLOROETHENE	18	UJ	Y
TRICHLOROFLUOROMETHANE	36	UJ	Y
VINYL ACETATE	18	UJ	Y
VINYL CHLORIDE	36	UJ	Y

PROJ_NO: 00275

SDG: MID-7 MEDIA: SOIL DATA FRACTION: OV

nsample	SD-41-SS	nsample	SD-41-SS	nsample	SD-41-SS
samp_date	10/21/2005	samp_date	10/21/2005	samp_date	10/21/2005
lab_id	WV5606-8	lab_id	WV5606-8	lab_id	WV5606-8
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	26.6	Pct_Solids	26.6	Pct_Solids	26.6
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	19	UJ	RY
1,1,1-TRICHLOROETHANE	19	UJ	RY
1,1,2,2-TETRACHLOROETHANE	19	UJ	RY
1,1,2-TRICHLOROTRIFLUOROETHANE	19	UJ	RY
1,1-DICHLOROETHANE	19	UJ	RY
1,1-DICHLOROETHENE	19	UJ	RY
1,1-DICHLOROPROPENE	19	UJ	RY
1,2,3-TRICHLOROBENZENE	19	UJ	RY
1,2,3-TRICHLOROPROPANE	19	UJ	RY
1,2,3-TRIMETHYLBENZENE	19	UJ	RY
1,2,4-TRICHLOROBENZENE	19	UJ	RY
1,2,4-TRIMETHYLBENZENE	19	UJ	RY
1,2-DIBROMO-3-CHLOROPROPANE	19	UJ	RY
1,2-DIBROMOETHANE	19	UJ	RY
1,2-DICHLOROBENZENE	19	UJ	RY
1,2-DICHLOROETHANE	19	UJ	RY
1,2-DICHLOROPROPANE	19	UJ	RY
1,3-DICHLOROBENZENE	19	UJ	RY
1,3-DICHLOROPROPANE	19	UJ	RY
1,4-DICHLOROBENZENE	19	UJ	RY
2,2-DICHLOROPROPANE	19	UJ	RY
2-BUTANONE	94	UR	C
2-CHLOROETHYL VINYL ETHER	19	UJ	RY
2-CHLOROTOLUENE	19	UJ	RY
2-HEXANONE	94	UJ	RY
4-CHLOROTOLUENE	19	UJ	RY
4-ISOPROPYLTOLUENE	19	UJ	RY
4-METHYL-2-PENTANONE	94	UJ	RY
ACETONE	65	J	CPRY
BENZENE	19	UJ	RY
BROMOBENZENE	19	UJ	RY
BROMOCHLOROMETHANE	19	UJ	RY

Parameter	Result	Val Qual	Qual Code
BROMODICHLOROMETHANE	19	UJ	RY
BROMOFORM	19	UJ	RY
BROMOMETHANE	38	UJ	RY
CARBON DISULFIDE	19	UJ	RY
CARBON TETRACHLORIDE	19	UJ	RY
CHLOROBENZENE	19	UJ	RY
CHLORODIBROMOMETHANE	19	UJ	RY
CHLOROETHANE	38	UJ	RY
CHLOROFORM	19	UJ	RY
CHLOROMETHANE	38	UJ	RY
CIS-1,2-DICHLOROETHENE	19	UJ	RY
CIS-1,3-DICHLOROPROPENE	19	UJ	RY
DIBROMOMETHANE	19	UJ	RY
DICHLORODIFLUOROMETHANE	38	UJ	RY
DIISOPROPYL ETHER	19	UJ	RY
ETHYL TERT-BUTYL ETHER	19	UJ	RY
ETHYLBENZENE	19	UJ	RY
HEXACHLOROBUTADIENE	19	UJ	RY
ISOPROPYLBENZENE	19	UJ	RY
M+P-XYLENES	38	UJ	RY
METHYL TERT-BUTYL ETHER	5	J	PRY
METHYLENE CHLORIDE	19	UJ	RY
NAPHTHALENE	19	UJ	RY
N-BUTYLBENZENE	19	UJ	RY
N-PROPYLBENZENE	19	UJ	RY
O-XYLENE	19	UJ	RY
SEC-BUTYLBENZENE	19	UJ	RY
STYRENE	19	UJ	RY
TERT-AMYL METHYL ETHER	19	UJ	RY
TERT-BUTYLBENZENE	19	UJ	RY
TERTIARY-BUTYL ALCOHOL	38	UR	C
TETRACHLOROETHENE	19	UJ	RY

Parameter	Result	Val Qual	Qual Code
TOLUENE	19	UJ	RY
TOTAL 1,2-DICHLOROETHENE	38	UJ	RY
TOTAL XYLENES	56	UJ	RY
TRANS-1,2-DICHLOROETHENE	19	UJ	RY
TRANS-1,3-DICHLOROPROPENE	19	UJ	RY
TRICHLOROETHENE	19	UJ	RY
TRICHLOROFLUOROMETHANE	38	UJ	RY
VINYL ACETATE	19	UJ	RY
VINYL CHLORIDE	38	UJ	RY

PROJ_NO: 00275

SDG: MID-7 MEDIA: SOIL DATA FRACTION: OV

nsample	SD-42-01	nsample	SD-42-01	nsample	SD-42-01
samp_date	10/21/2005	samp_date	10/21/2005	samp_date	10/21/2005
lab_id	WV5606-10	lab_id	WV5606-10	lab_id	WV5606-10
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	53.2	Pct_Solids	53.2	Pct_Solids	53.2
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	9	U	
1,1,1-TRICHLOROETHANE	9	U	
1,1,2,2-TETRACHLOROETHANE	9	UJ	N
1,1,2-TRICHLOROTRIFLUOROETHANE	9	U	
1,1-DICHLOROETHANE	9	U	
1,1-DICHLOROETHENE	9	U	
1,1-DICHLOROPROPENE	9	U	
1,2,3-TRICHLOROBENZENE	9	UJ	N
1,2,3-TRICHLOROPROPANE	9	UJ	N
1,2,3-TRIMETHYLBENZENE	9	UJ	N
1,2,4-TRICHLOROBENZENE	9	UJ	N
1,2,4-TRIMETHYLBENZENE	9	UJ	N
1,2-DIBROMO-3-CHLOROPROPANE	9	UJ	N
1,2-DIBROMOETHANE	9	U	
1,2-DICHLOROBENZENE	9	UJ	N
1,2-DICHLOROETHANE	9	U	
1,2-DICHLOROPROPANE	9	U	
1,3-DICHLOROBENZENE	9	UJ	N
1,3-DICHLOROPROPANE	9	U	
1,4-DICHLOROBENZENE	9	UJ	N
2,2-DICHLOROPROPANE	9	U	
2-BUTANONE	47	UR	C
2-CHLOROETHYL VINYL ETHER	9	U	
2-CHLOROTOLUENE	9	UJ	N
2-HEXANONE	47	U	
4-CHLOROTOLUENE	9	UJ	N
4-ISOPROPYLTOLUENE	9	UJ	N
4-METHYL-2-PENTANONE	47	U	
ACETONE	36	J	CP
BENZENE	9	U	
BROMOBENZENE	9	UJ	N
BROMOCHLOROMETHANE	9	U	

Parameter	Result	Val Qual	Qual Code
BROMODICHLOROMETHANE	9	U	
BROMOFORM	9	U	
BROMOMETHANE	19	U	
CARBON DISULFIDE	5	J	P
CARBON TETRACHLORIDE	9	U	
CHLOROBENZENE	9	U	
CHLORODIBROMOMETHANE	9	U	
CHLOROETHANE	19	U	
CHLOROFORM	9	U	
CHLOROMETHANE	19	U	
CIS-1,2-DICHLOROETHENE	9	U	
CIS-1,3-DICHLOROPROPENE	9	U	
DIBROMOMETHANE	9	U	
DICHLORODIFLUOROMETHANE	19	U	
DIISOPROPYL ETHER	9	U	
ETHYL TERT-BUTYL ETHER	9	U	
ETHYLBENZENE	9	U	
HEXACHLOROBUTADIENE	9	UJ	N
ISOPROPYLBENZENE	9	UJ	N
M+P-XYLENES	19	U	
METHYL TERT-BUTYL ETHER	3	J	P
METHYLENE CHLORIDE	9	U	
NAPHTHALENE	9	UJ	N
N-BUTYLBENZENE	9	UJ	N
N-PROPYLBENZENE	9	UJ	N
O-XYLENE	9	U	
SEC-BUTYLBENZENE	9	UJ	N
STYRENE	9	U	
TERT-AMYL METHYL ETHER	9	U	
TERT-BUTYLBENZENE	9	U	
TERTIARY-BUTYL ALCOHOL	19	UR	C
TETRACHLOROETHENE	9	U	

Parameter	Result	Val Qual	Qual Code
TOLUENE	9	U	
TOTAL 1,2-DICHLOROETHENE	19	U	
TOTAL XYLENES	28	U	
TRANS-1,2-DICHLOROETHENE	9	U	
TRANS-1,3-DICHLOROPROPENE	9	U	
TRICHLOROETHENE	9	U	
TRICHLOROFLUOROMETHANE	19	U	
VINYL ACETATE	9	U	
VINYL CHLORIDE	19	U	

PROJ_NO: 00275

SDG: MID-7 MEDIA: SOIL DATA FRACTION: OV

nsample	SD-42-02
samp_date	10/21/2005
lab_id	WV5606-11
qc_type	NM
units	UG/KG
Pct_Solids	40.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	12	UJ	R
1,1,1-TRICHLOROETHANE	12	UJ	R
1,1,2,2-TETRACHLOROETHANE	12	UJ	R
1,1,2-TRICHLOROTRIFLUOROETHANE	12	UJ	R
1,1-DICHLOROETHANE	12	UJ	R
1,1-DICHLOROETHENE	12	UJ	R
1,1-DICHLOROPROPENE	12	UJ	R
1,2,3-TRICHLOROBENZENE	12	UJ	R
1,2,3-TRICHLOROPROPANE	12	UJ	R
1,2,3-TRIMETHYLBENZENE	12	UJ	R
1,2,4-TRICHLOROBENZENE	12	UJ	R
1,2,4-TRIMETHYLBENZENE	12	UJ	R
1,2-DIBROMO-3-CHLOROPROPANE	12	UJ	R
1,2-DIBROMOETHANE	12	UJ	R
1,2-DICHLOROBENZENE	12	UJ	R
1,2-DICHLOROETHANE	12	UJ	R
1,2-DICHLOROPROPANE	12	UJ	R
1,3-DICHLOROBENZENE	12	UJ	R
1,3-DICHLOROPROPANE	12	UJ	R
1,4-DICHLOROBENZENE	12	UJ	R
2,2-DICHLOROPROPANE	12	UJ	R
2-BUTANONE	62	UR	C
2-CHLOROETHYL VINYL ETHER	12	UJ	R
2-CHLOROTOLUENE	12	UJ	R
2-HEXANONE	62	UJ	R
4-CHLOROTOLUENE	12	UJ	R
4-ISOPROPYLTOLUENE	12	UJ	R
4-METHYL-2-PENTANONE	62	UJ	R
ACETONE	120	J	CR
BENZENE	12	UJ	R
BROMOBENZENE	12	UJ	R
BROMOCHLOROMETHANE	12	UJ	R

nsample	SD-42-02
samp_date	10/21/2005
lab_id	WV5606-11
qc_type	NM
units	UG/KG
Pct_Solids	40.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BROMODICHLOROMETHANE	12	UJ	R
BROMOFORM	12	UJ	R
BROMOMETHANE	25	UJ	R
CARBON DISULFIDE	8	J	PR
CARBON TETRACHLORIDE	12	UJ	R
CHLOROBENZENE	12	UJ	R
CHLORODIBROMOMETHANE	12	UJ	R
CHLOROETHANE	25	UJ	R
CHLOROFORM	12	UJ	R
CHLOROMETHANE	25	UJ	R
CIS-1,2-DICHLOROETHENE	12	UJ	R
CIS-1,3-DICHLOROPROPENE	12	UJ	R
DIBROMOMETHANE	12	UJ	R
DICHLORODIFLUOROMETHANE	25	UJ	R
DIISOPROPYL ETHER	12	UJ	R
ETHYL TERT-BUTYL ETHER	12	UJ	R
ETHYLBENZENE	12	UJ	R
HEXACHLOROBUTADIENE	12	UJ	R
ISOPROPYLBENZENE	12	UJ	R
M+P-XYLENES	25	UJ	R
METHYL TERT-BUTYL ETHER	25	UJ	R
METHYLENE CHLORIDE	12	UJ	R
NAPHTHALENE	12	UJ	R
N-BUTYLBENZENE	12	UJ	R
N-PROPYLBENZENE	12	UJ	R
O-XYLENE	12	UJ	R
SEC-BUTYLBENZENE	12	UJ	R
STYRENE	12	UJ	R
TERT-AMYL METHYL ETHER	12	UJ	R
TERT-BUTYLBENZENE	12	UJ	R
TERTIARY-BUTYL ALCOHOL	25	UR	C
TETRACHLOROETHENE	12	UJ	R

nsample	SD-42-02
samp_date	10/21/2005
lab_id	WV5606-11
qc_type	NM
units	UG/KG
Pct_Solids	40.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOLUENE	12	UJ	R
TOTAL 1,2-DICHLOROETHENE	25	UJ	R
TOTAL XYLENES	37	UJ	R
TRANS-1,2-DICHLOROETHENE	12	UJ	R
TRANS-1,3-DICHLOROPROPENE	12	UJ	R
TRICHLOROETHENE	12	UJ	R
TRICHLOROFLUOROMETHANE	25	UJ	R
VINYL ACETATE	12	UJ	R
VINYL CHLORIDE	25	UJ	R

PROJ_NO: 00275

SDG: MID-7 MEDIA: SOIL DATA FRACTION: OV

nsample	SD-42-SS
samp_date	10/21/2005
lab_id	WV5606-9
qc_type	NM
units	UG/KG
Pct_Solids	39.6
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	13	U	
1,1,1-TRICHLOROETHANE	13	U	
1,1,2,2-TETRACHLOROETHANE	13	UJ	N
1,1,2-TRICHLOROTRIFLUOROETHANE	13	U	
1,1-DICHLOROETHANE	13	U	
1,1-DICHLOROETHENE	13	U	
1,1-DICHLOROPROPENE	13	U	
1,2,3-TRICHLOROBENZENE	13	UJ	N
1,2,3-TRICHLOROPROPANE	13	UJ	N
1,2,3-TRIMETHYLBENZENE	13	UJ	N
1,2,4-TRICHLOROBENZENE	13	UJ	N
1,2,4-TRIMETHYLBENZENE	13	UJ	N
1,2-DIBROMO-3-CHLOROPROPANE	13	UJ	N
1,2-DIBROMOETHANE	13	U	
1,2-DICHLOROBENZENE	13	UJ	N
1,2-DICHLOROETHANE	13	U	
1,2-DICHLOROPROPANE	13	U	
1,3-DICHLOROBENZENE	13	UJ	N
1,3-DICHLOROPROPANE	13	U	
1,4-DICHLOROBENZENE	13	UJ	N
2,2-DICHLOROPROPANE	13	U	
2-BUTANONE	63	UR	C
2-CHLOROETHYL VINYL ETHER	13	U	
2-CHLOROTOLUENE	13	U	
2-HEXANONE	63	U	
4-CHLOROTOLUENE	13	UJ	N
4-ISOPROPYLTOLUENE	13	UJ	N
4-METHYL-2-PENTANONE	63	U	
ACETONE	59	J	CP
BENZENE	13	U	
BROMOBENZENE	13	UJ	N
BROMOCHLOROMETHANE	13	U	

nsample	SD-42-SS
samp_date	10/21/2005
lab_id	WV5606-9
qc_type	NM
units	UG/KG
Pct_Solids	39.6
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BROMODICHLOROMETHANE	13	U	
BROMOFORM	13	U	
BROMOMETHANE	25	U	
CARBON DISULFIDE	13	U	
CARBON TETRACHLORIDE	13	U	
CHLOROBENZENE	13	U	
CHLORODIBROMOMETHANE	13	U	
CHLOROETHANE	25	U	
CHLOROFORM	13	U	
CHLOROMETHANE	25	U	
CIS-1,2-DICHLOROETHENE	13	U	
CIS-1,3-DICHLOROPROPENE	13	U	
DIBROMOMETHANE	13	U	
DICHLORODIFLUOROMETHANE	25	U	
DIISOPROPYL ETHER	13	U	
ETHYL TERT-BUTYL ETHER	13	U	
ETHYLBENZENE	13	U	
HEXACHLOROBUTADIENE	13	UJ	N
ISOPROPYLBENZENE	13	UJ	N
M+P-XYLENES	25	U	
METHYL TERT-BUTYL ETHER	4	J	P
METHYLENE CHLORIDE	13	U	
NAPHTHALENE	13	UJ	N
N-BUTYLBENZENE	13	UJ	N
N-PROPYLBENZENE	13	UJ	N
O-XYLENE	13	U	
SEC-BUTYLBENZENE	13	UJ	N
STYRENE	13	U	
TERT-AMYL METHYL ETHER	13	U	
TERT-BUTYLBENZENE	13	U	
TERTIARY-BUTYL ALCOHOL	25	UR	C
TETRACHLOROETHENE	13	U	

nsample	SD-42-SS
samp_date	10/21/2005
lab_id	WV5606-9
qc_type	NM
units	UG/KG
Pct_Solids	39.6
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOLUENE	3	J	P
TOTAL 1,2-DICHLOROETHENE	25	U	
TOTAL XYLENES	38	U	
TRANS-1,2-DICHLOROETHENE	13	U	
TRANS-1,3-DICHLOROPROPENE	13	U	
TRICHLOROETHENE	13	U	
TRICHLOROFLUOROMETHANE	25	U	
VINYL ACETATE	13	U	
VINYL CHLORIDE	25	U	

PROJ_NO: 00275

SDG: MID-7 MEDIA: SOIL DATA FRACTION: OS

nsample	SD-36-SS	nsample	SD-36-SS	nsample	SD-36-SS
samp_date	10/21/2005	samp_date	10/21/2005	samp_date	10/21/2005
lab_id	WV5606-1	lab_id	WV5606-1	lab_id	WV5606-1
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	26.7	Pct_Solids	26.7	Pct_Solids	26.7
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	1200	UJ	Y
1,2-DICHLOROBENZENE	1200	UJ	Y
1,3-DICHLOROBENZENE	1200	UJ	Y
1,4-DICHLOROBENZENE	100	B	A
1,4-DIOXANE	1200	UJ	Y
1-METHYLNAPHTHALENE	1200	UJ	Y
2,2'-OXYBIS(1-CHLOROPROPANE)	1200	UJ	Y
2,4,5-TRICHLOROPHENOL	3100	UJ	Y
2,4,6-TRICHLOROPHENOL	1200	UJ	Y
2,4-DICHLOROPHENOL	1200	UJ	Y
2,4-DIMETHYLPHENOL	1200	UJ	Y
2,4-DINITROPHENOL	3100	UJ	Y
2,4-DINITROTOLUENE	1200	UJ	Y
2,6-DINITROTOLUENE	1200	UJ	Y
2-CHLORONAPHTHALENE	1200	UJ	Y
2-CHLOROPHENOL	1200	UJ	Y
2-METHYLNAPHTHALENE	1200	UJ	Y
2-METHYLPHENOL	1200	UJ	Y
2-NITROANILINE	3100	UJ	Y
2-NITROPHENOL	1200	UJ	Y
3&4-METHYLPHENOL	1200	UJ	Y
3,3'-DICHLOROBENZIDINE	1200	UJ	Y
3-NITROANILINE	3100	UJ	Y
4,6-DINITRO-2-METHYLPHENOL	3100	UJ	Y
4-BROMOPHENYL PHENYL ETHER	1200	UJ	Y
4-CHLORO-3-METHYLPHENOL	1200	UJ	Y
4-CHLOROANILINE	1200	UJ	Y
4-CHLOROPHENYL PHENYL ETHER	1200	UJ	Y
4-NITROANILINE	3100	UJ	Y
4-NITROPHENOL	3100	UJ	Y
ACENAPHTHENE	240	B	A
ACENAPHTHYLENE	1200	UJ	Y

Parameter	Result	Val Qual	Qual Code
ANILINE	1200	UJ	Y
ANTHRACENE	1200	UJ	Y
AZOBENZENE	1200	UJ	Y
BENZIDINE	3100	UJ	Y
BENZO(A)ANTHRACENE	1200	UJ	Y
BENZO(A)PYRENE	200	J	PY
BENZO(B)FLUORANTHENE	360	J	PY
BENZO(G,H,I)PERYLENE	1200	UJ	Y
BENZO(K)FLUORANTHENE	1200	UJ	Y
BENZOIC ACID	3100	UJ	Y
BENZYL ALCOHOL	1200	UJ	C
BIS(2-CHLOROETHOXY)METHANE	1200	UJ	Y
BIS(2-CHLOROETHYL)ETHER	1200	UJ	Y
BIS(2-ETHYLHEXYL)PHTHALATE	1200	J	Y
BUTYL BENZYL PHTHALATE	1200	UJ	Y
CARBAZOLE	1200	UJ	Y
CHRYSENE	280	J	PY
DIBENZO(A,H)ANTHRACENE	1200	UJ	Y
DIBENZOFURAN	1200	UJ	Y
DIETHYL PHTHALATE	1200	UJ	Y
DIMETHYL PHTHALATE	1200	UJ	Y
DI-N-BUTYL PHTHALATE	1200	UJ	Y
DI-N-OCTYL PHTHALATE	1200	UJ	Y
FLUORANTHENE	360	J	PY
FLUORENE	1200	UJ	Y
HEXACHLOROBENZENE	1200	UJ	Y
HEXACHLOROBUTADIENE	1200	UJ	Y
HEXACHLOROCYCLOPENTADIENE	1200	UJ	Y
HEXACHLOROETHANE	1200	UJ	Y
INDENO(1,2,3-CD)PYRENE	1200	UJ	Y
ISOPHORONE	1200	UJ	Y
NAPHTHALENE	1200	UJ	Y

Parameter	Result	Val Qual	Qual Code
NITROBENZENE	1200	UJ	Y
N-NITROSODIMETHYLAMINE	1200	UJ	Y
N-NITROSO-DI-N-PROPYLAMINE	1200	UJ	Y
N-NITROSODIPHENYLAMINE	1200	UJ	Y
PENTACHLOROPHENOL	3100	UJ	Y
PHENANTHRENE	1200	UJ	Y
PHENOL	1200	UJ	Y
PYRENE	550	J	PY
PYRIDINE	1200	UJ	Y

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SDG: MID-7 MEDIA: SOIL DATA FRACTION: OS

nsample	SD-37-SS	nsample	SD-37-SS	nsample	SD-37-SS
samp_date	10/21/2005	samp_date	10/21/2005	samp_date	10/21/2005
lab_id	WV5606-2	lab_id	WV5606-2	lab_id	WV5606-2
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	23.6	Pct_Solids	23.6	Pct_Solids	23.6
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	1400	UJ	Y
1,2-DICHLOROBENZENE	1400	UJ	Y
1,3-DICHLOROBENZENE	1400	UJ	Y
1,4-DICHLOROBENZENE	130	B	A
1,4-DIOXANE	1400	UJ	Y
1-METHYLNAPHTHALENE	1400	UJ	Y
2,2'-OXYBIS(1-CHLOROPROPANE)	1400	UJ	Y
2,4,5-TRICHLOROPHENOL	3500	UJ	Y
2,4,6-TRICHLOROPHENOL	1400	UJ	Y
2,4-DICHLOROPHENOL	1400	UJ	Y
2,4-DIMETHYLPHENOL	1400	UJ	Y
2,4-DINITROPHENOL	3500	UJ	Y
2,4-DINITROTOLUENE	1400	UJ	Y
2,6-DINITROTOLUENE	1400	UJ	Y
2-CHLORONAPHTHALENE	1400	UJ	Y
2-CHLOROPHENOL	1400	UJ	Y
2-METHYLNAPHTHALENE	1400	UJ	Y
2-METHYLPHENOL	1400	UJ	Y
2-NITROANILINE	3500	UJ	Y
2-NITROPHENOL	1400	UJ	Y
3&4-METHYLPHENOL	1400	UJ	Y
3,3'-DICHLOROBENZIDINE	1400	UJ	Y
3-NITROANILINE	3500	UJ	Y
4,6-DINITRO-2-METHYLPHENOL	3500	UJ	Y
4-BROMOPHENYL PHENYL ETHER	1400	UJ	Y
4-CHLORO-3-METHYLPHENOL	1400	UJ	Y
4-CHLOROANILINE	1400	UJ	Y
4-CHLOROPHENYL PHENYL ETHER	1400	UJ	Y
4-NITROANILINE	3500	UJ	Y
4-NITROPHENOL	3500	UJ	Y
ACENAPHTHENE	280	B	A
ACENAPHTHYLENE	1400	UJ	Y

Parameter	Result	Val Qual	Qual Code
ANILINE	1400	UJ	Y
ANTHRACENE	1400	UJ	Y
AZOBENZENE	1400	UJ	Y
BENZIDINE	3500	UJ	Y
BENZO(A)ANTHRACENE	310	J	PY
BENZO(A)PYRENE	410	J	PY
BENZO(B)FLUORANTHENE	590	J	PY
BENZO(G,H,I)PERYLENE	1400	UJ	Y
BENZO(K)FLUORANTHENE	1400	UJ	Y
BENZOIC ACID	3500	UJ	Y
BENZYL ALCOHOL	1400	UJ	C
BIS(2-CHLOROETHOXY)METHANE	1400	UJ	Y
BIS(2-CHLOROETHYL)ETHER	1400	UJ	Y
BIS(2-ETHYLHEXYL)PHTHALATE	1500	J	Y
BUTYL BENZYL PHTHALATE	1400	UJ	Y
CARBAZOLE	1400	UJ	Y
CHRYSENE	490	J	PY
DIBENZO(A,H)ANTHRACENE	1400	UJ	Y
DIBENZOFURAN	1400	UJ	Y
DIETHYL PHTHALATE	1400	UJ	Y
DIMETHYL PHTHALATE	1400	UJ	Y
DI-N-BUTYL PHTHALATE	1400	UJ	Y
DI-N-OCTYL PHTHALATE	1400	UJ	Y
FLUORANTHENE	530	J	PY
FLUORENE	1400	UJ	Y
HEXACHLOROBENZENE	1400	UJ	Y
HEXACHLOROBUTADIENE	1400	UJ	Y
HEXACHLOROCYCLOPENTADIENE	1400	UJ	Y
HEXACHLOROETHANE	1400	UJ	Y
INDENO(1,2,3-CD)PYRENE	1400	UJ	Y
ISOPHORONE	1400	UJ	Y
NAPHTHALENE	1400	UJ	Y

Parameter	Result	Val Qual	Qual Code
NITROBENZENE	1400	UJ	Y
N-NITROSODIMETHYLAMINE	1400	UJ	Y
N-NITROSO-DI-N-PROPYLAMINE	1400	UJ	Y
N-NITROSODIPHENYLAMINE	1400	UJ	Y
PENTACHLOROPHENOL	3500	UJ	Y
PHENANTHRENE	1400	UJ	Y
PHENOL	1400	UJ	Y
PYRENE	980	J	PY
PYRIDINE	1400	UJ	Y

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SDG: MID-7 MEDIA: SOIL DATA FRACTION: OS

nsample	SD-38-SS	nsample	SD-38-SS	nsample	SD-38-SS
samp_date	10/21/2005	samp_date	10/21/2005	samp_date	10/21/2005
lab_id	WV5606-3	lab_id	WV5606-3	lab_id	WV5606-3
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	20.7	Pct_Solids	20.7	Pct_Solids	20.7
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	1600	UJ	Y
1,2-DICHLOROBENZENE	1600	UJ	Y
1,3-DICHLOROBENZENE	1600	UJ	Y
1,4-DICHLOROBENZENE	1600	UJ	Y
1,4-DIOXANE	1600	UJ	Y
1-METHYLNAPHTHALENE	1600	UJ	Y
2,2'-OXYBIS(1-CHLOROPROPANE)	1600	UJ	Y
2,4,5-TRICHLOROPHENOL	4000	UJ	Y
2,4,6-TRICHLOROPHENOL	1600	UJ	Y
2,4-DICHLOROPHENOL	1600	UJ	Y
2,4-DIMETHYLPHENOL	1600	UJ	Y
2,4-DINITROPHENOL	4000	UJ	Y
2,4-DINITROTOLUENE	1600	UJ	Y
2,6-DINITROTOLUENE	1600	UJ	Y
2-CHLORONAPHTHALENE	1600	UJ	Y
2-CHLOROPHENOL	1600	UJ	Y
2-METHYLNAPHTHALENE	1600	UJ	Y
2-METHYLPHENOL	1600	UJ	Y
2-NITROANILINE	4000	UJ	Y
2-NITROPHENOL	1600	UJ	Y
3&4-METHYLPHENOL	1600	UJ	Y
3,3'-DICHLOROBENZIDINE	1600	UJ	Y
3-NITROANILINE	4000	UJ	Y
4,6-DINITRO-2-METHYLPHENOL	4000	UJ	Y
4-BROMOPHENYL PHENYL ETHER	1600	UJ	Y
4-CHLORO-3-METHYLPHENOL	1600	UJ	Y
4-CHLOROANILINE	1600	UJ	Y
4-CHLOROPHENYL PHENYL ETHER	1600	UJ	Y
4-NITROANILINE	4000	UJ	Y
4-NITROPHENOL	4000	UJ	Y
ACENAPHTHENE	310	B	A
ACENAPHTHYLENE	1600	UJ	Y

Parameter	Result	Val Qual	Qual Code
ANILINE	1600	UJ	Y
ANTHRACENE	1600	UJ	Y
AZOBENZENE	1600	UJ	Y
BENZIDINE	4000	UJ	Y
BENZO(A)ANTHRACENE	1600	UJ	Y
BENZO(A)PYRENE	250	J	PY
BENZO(B)FLUORANTHENE	440	J	PY
BENZO(G,H,I)PERYLENE	1600	UJ	Y
BENZO(K)FLUORANTHENE	1600	UJ	Y
BENZOIC ACID	4000	UJ	Y
BENZYL ALCOHOL	1600	UJ	C
BIS(2-CHLOROETHOXY)METHANE	1600	UJ	Y
BIS(2-CHLOROETHYL)ETHER	1600	UJ	Y
BIS(2-ETHYLHEXYL)PHTHALATE	1400	J	PY
BUTYL BENZYL PHTHALATE	1600	UJ	Y
CARBAZOLE	1600	UJ	Y
CHRYSENE	340	J	PY
DIBENZO(A,H)ANTHRACENE	1600	UJ	Y
DIBENZOFURAN	1600	UJ	Y
DIETHYL PHTHALATE	1600	UJ	Y
DIMETHYL PHTHALATE	1600	UJ	Y
DI-N-BUTYL PHTHALATE	1600	UJ	Y
DI-N-OCTYL PHTHALATE	1600	UJ	Y
FLUORANTHENE	430	J	PY
FLUORENE	1600	UJ	Y
HEXACHLOROBENZENE	1600	UJ	Y
HEXACHLOROBUTADIENE	1600	UJ	Y
HEXACHLOROCYCLOPENTADIENE	1600	UJ	Y
HEXACHLOROETHANE	1600	UJ	Y
INDENO(1,2,3-CD)PYRENE	1600	UJ	Y
ISOPHORONE	1600	UJ	Y
NAPHTHALENE	1600	UJ	Y

Parameter	Result	Val Qual	Qual Code
NITROBENZENE	1600	UJ	Y
N-NITROSODIMETHYLAMINE	1600	UJ	Y
N-NITROSO-DI-N-PROPYLAMINE	1600	UJ	Y
N-NITROSODIPHENYLAMINE	1600	UJ	Y
PENTACHLOROPHENOL	4000	UJ	Y
PHENANTHRENE	1600	UJ	Y
PHENOL	1600	UJ	Y
PYRENE	640	J	PY
PYRIDINE	1600	UJ	Y

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SDG: MID-7 MEDIA: SOIL DATA FRACTION: OS

nsample	SD-39-SS	nsample	SD-39-SS	nsample	SD-39-SS
samp_date	10/21/2005	samp_date	10/21/2005	samp_date	10/21/2005
lab_id	WV5606-4	lab_id	WV5606-4	lab_id	WV5606-4
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	29.8	Pct_Solids	29.8	Pct_Solids	29.8
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	1100	UJ	Y
1,2-DICHLOROBENZENE	1100	UJ	Y
1,3-DICHLOROBENZENE	1100	UJ	Y
1,4-DICHLOROBENZENE	1100	UJ	Y
1,4-DIOXANE	1100	UJ	Y
1-METHYLNAPHTHALENE	1100	UJ	Y
2,2'-OXYBIS(1-CHLOROPROPANE)	1100	UJ	Y
2,4,5-TRICHLOROPHENOL	2700	UJ	Y
2,4,6-TRICHLOROPHENOL	1100	UJ	Y
2,4-DICHLOROPHENOL	1100	UJ	Y
2,4-DIMETHYLPHENOL	1100	UJ	Y
2,4-DINITROPHENOL	2700	UJ	Y
2,4-DINITROTOLUENE	1100	UJ	Y
2,6-DINITROTOLUENE	1100	UJ	Y
2-CHLORONAPHTHALENE	1100	UJ	Y
2-CHLOROPHENOL	1100	UJ	Y
2-METHYLNAPHTHALENE	1100	UJ	Y
2-METHYLPHENOL	1100	UJ	Y
2-NITROANILINE	2700	UJ	Y
2-NITROPHENOL	1100	UJ	Y
3&4-METHYLPHENOL	1100	UJ	Y
3,3'-DICHLOROBENZIDINE	1100	UJ	Y
3-NITROANILINE	2700	UJ	Y
4,6-DINITRO-2-METHYLPHENOL	2700	UJ	Y
4-BROMOPHENYL PHENYL ETHER	1100	UJ	Y
4-CHLORO-3-METHYLPHENOL	1100	UJ	Y
4-CHLOROANILINE	1100	UJ	Y
4-CHLOROPHENYL PHENYL ETHER	1100	UJ	Y
4-NITROANILINE	2700	UJ	Y
4-NITROPHENOL	2700	UJ	Y
ACENAPHTHENE	1100	UJ	Y
ACENAPHTHYLENE	1100	UJ	Y

Parameter	Result	Val Qual	Qual Code
ANILINE	1100	UJ	Y
ANTHRACENE	1100	UJ	Y
AZOBENZENE	1100	UJ	Y
BENZIDINE	2700	UJ	Y
BENZO(A)ANTHRACENE	1100	UJ	Y
BENZO(A)PYRENE	200	J	PY
BENZO(B)FLUORANTHENE	340	J	PY
BENZO(G,H,I)PERYLENE	1100	UJ	Y
BENZO(K)FLUORANTHENE	1100	UJ	Y
BENZOIC ACID	2700	UJ	Y
BENZYL ALCOHOL	1100	UJ	C
BIS(2-CHLOROETHOXY)METHANE	1100	UJ	Y
BIS(2-CHLOROETHYL)ETHER	1100	UJ	Y
BIS(2-ETHYLHEXYL)PHTHALATE	870	J	PY
BUTYL BENZYL PHTHALATE	1100	UJ	Y
CARBAZOLE	1100	UJ	Y
CHRYSENE	260	J	PY
DIBENZO(A,H)ANTHRACENE	1100	UJ	Y
DIBENZOFURAN	1100	UJ	Y
DIETHYL PHTHALATE	1100	UJ	Y
DIMETHYL PHTHALATE	1100	UJ	Y
DI-N-BUTYL PHTHALATE	1100	UJ	Y
DI-N-OCTYL PHTHALATE	1100	UJ	Y
FLUORANTHENE	330	J	PY
FLUORENE	1100	UJ	Y
HEXACHLOROBENZENE	1100	UJ	Y
HEXACHLOROBUTADIENE	1100	UJ	Y
HEXACHLOROCYCLOPENTADIENE	1100	UJ	Y
HEXACHLOROETHANE	1100	UJ	Y
INDENO(1,2,3-CD)PYRENE	1100	UJ	Y
ISOPHORONE	1100	UJ	Y
NAPHTHALENE	1100	UJ	Y

Parameter	Result	Val Qual	Qual Code
NITROBENZENE	1100	UJ	Y
N-NITROSODIMETHYLAMINE	1100	UJ	Y
N-NITROSO-DI-N-PROPYLAMINE	1100	UJ	Y
N-NITROSODIPHENYLAMINE	1100	UJ	Y
PENTACHLOROPHENOL	2700	UJ	Y
PHENANTHRENE	1100	UJ	Y
PHENOL	1100	UJ	Y
PYRENE	430	J	PY
PYRIDINE	1100	UJ	Y

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SDG: MID-7 MEDIA: SOIL DATA FRACTION: OS

nsample	SD-40-01	nsample	SD-40-01	nsample	SD-40-01
samp_date	10/21/2005	samp_date	10/21/2005	samp_date	10/21/2005
lab_id	WV5606-6	lab_id	WV5606-6	lab_id	WV5606-6
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	38.1	Pct_Solids	38.1	Pct_Solids	38.1
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	860	U	
1,2-DICHLOROBENZENE	860	U	
1,3-DICHLOROBENZENE	860	U	
1,4-DICHLOROBENZENE	100	B	A
1,4-DIOXANE	860	U	
1-METHYLNAPHTHALENE	860	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	860	U	
2,4,5-TRICHLOROPHENOL	2100	U	
2,4,6-TRICHLOROPHENOL	860	U	
2,4-DICHLOROPHENOL	860	U	
2,4-DIMETHYLPHENOL	860	U	
2,4-DINITROPHENOL	2100	U	
2,4-DINITROTOLUENE	860	U	
2,6-DINITROTOLUENE	860	U	
2-CHLORONAPHTHALENE	860	U	
2-CHLOROPHENOL	860	U	
2-METHYLNAPHTHALENE	860	U	
2-METHYLPHENOL	860	U	
2-NITROANILINE	2100	U	
2-NITROPHENOL	860	U	
3&4-METHYLPHENOL	860	U	
3,3'-DICHLOROBENZIDINE	860	U	
3-NITROANILINE	2100	U	
4,6-DINITRO-2-METHYLPHENOL	2100	U	
4-BROMOPHENYL PHENYL ETHER	860	U	
4-CHLORO-3-METHYLPHENOL	860	U	
4-CHLOROANILINE	860	U	
4-CHLOROPHENYL PHENYL ETHER	860	U	
4-NITROANILINE	2100	U	
4-NITROPHENOL	2100	U	
ACENAPHTHENE	180	B	A
ACENAPHTHYLENE	860	U	

Parameter	Result	Val Qual	Qual Code
ANILINE	860	U	
ANTHRACENE	170	J	P
AZOBENZENE	860	U	
BENZIDINE	2100	U	
BENZO(A)ANTHRACENE	410	J	P
BENZO(A)PYRENE	480	J	P
BENZO(B)FLUORANTHENE	750	J	P
BENZO(G,H,I)PERYLENE	440	J	P
BENZO(K)FLUORANTHENE	860	U	
BENZOIC ACID	2100	U	
BENZYL ALCOHOL	860	UJ	C
BIS(2-CHLOROETHOXY)METHANE	860	U	
BIS(2-CHLOROETHYL)ETHER	860	U	
BIS(2-ETHYLHEXYL)PHTHALATE	760	J	P
BUTYL BENZYL PHTHALATE	860	U	
CARBAZOLE	860	U	
CHRYSENE	670	J	P
DIBENZO(A,H)ANTHRACENE	860	U	
DIBENZOFURAN	860	U	
DIETHYL PHTHALATE	860	U	
DIMETHYL PHTHALATE	860	U	
DI-N-BUTYL PHTHALATE	860	U	
DI-N-OCTYL PHTHALATE	860	U	
FLUORANTHENE	670	J	P
FLUORENE	860	U	
HEXACHLOROBENZENE	860	U	
HEXACHLOROBUTADIENE	860	U	
HEXACHLOROCYCLOPENTADIENE	860	U	
HEXACHLOROETHANE	860	U	
INDENO(1,2,3-CD)PYRENE	450	J	P
ISOPHORONE	860	U	
NAPHTHALENE	860	U	

Parameter	Result	Val Qual	Qual Code
NITROBENZENE	860	U	
N-NITROSODIMETHYLAMINE	860	U	
N-NITROSO-DI-N-PROPYLAMINE	860	U	
N-NITROSODIPHENYLAMINE	860	U	
PENTACHLOROPHENOL	2100	U	
PHENANTHRENE	300	J	P
PHENOL	860	U	
PYRENE	1200		
PYRIDINE	860	U	

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SDG: MID-7 MEDIA: SOIL DATA FRACTION: OS

nsample	SD-40-02	nsample	SD-40-02	nsample	SD-40-02
samp_date	10/21/2005	samp_date	10/21/2005	samp_date	10/21/2005
lab_id	WV5606-7	lab_id	WV5606-7	lab_id	WV5606-7
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	37.6	Pct_Solids	37.6	Pct_Solids	37.6
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	880	U	
1,2-DICHLOROBENZENE	880	U	
1,3-DICHLOROBENZENE	880	U	
1,4-DICHLOROBENZENE	74	B	A
1,4-DIOXANE	880	U	
1-METHYLNAPHTHALENE	880	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	880	U	
2,4,5-TRICHLOROPHENOL	2200	U	
2,4,6-TRICHLOROPHENOL	880	U	
2,4-DICHLOROPHENOL	880	U	
2,4-DIMETHYLPHENOL	880	U	
2,4-DINITROPHENOL	2200	U	
2,4-DINITROTOLUENE	880	U	
2,6-DINITROTOLUENE	880	U	
2-CHLORONAPHTHALENE	880	U	
2-CHLOROPHENOL	880	U	
2-METHYLNAPHTHALENE	880	U	
2-METHYLPHENOL	880	U	
2-NITROANILINE	2200	U	
2-NITROPHENOL	880	U	
3&4-METHYLPHENOL	880	U	
3,3'-DICHLOROBENZIDINE	880	U	
3-NITROANILINE	2200	U	
4,6-DINITRO-2-METHYLPHENOL	2200	U	
4-BROMOPHENYL PHENYL ETHER	880	U	
4-CHLORO-3-METHYLPHENOL	880	U	
4-CHLOROANILINE	880	U	
4-CHLOROPHENYL PHENYL ETHER	880	U	
4-NITROANILINE	2200	U	
4-NITROPHENOL	2200	U	
ACENAPHTHENE	190	B	A
ACENAPHTHYLENE	880	U	

Parameter	Result	Val Qual	Qual Code
ANILINE	880	U	
ANTHRACENE	190	J	P
AZOBENZENE	880	U	
BENZIDINE	2200	U	
BENZO(A)ANTHRACENE	660	J	P
BENZO(A)PYRENE	740	J	P
BENZO(B)FLUORANTHENE	1000		
BENZO(G,H,I)PERYLENE	690	J	P
BENZO(K)FLUORANTHENE	880	U	
BENZOIC ACID	2200	U	
BENZYL ALCOHOL	880	UJ	C
BIS(2-CHLOROETHOXY)METHANE	880	U	
BIS(2-CHLOROETHYL)ETHER	880	U	
BIS(2-ETHYLHEXYL)PHTHALATE	1700		
BUTYL BENZYL PHTHALATE	880	U	
CARBAZOLE	880	U	
CHRYSENE	1000		
DIBENZO(A,H)ANTHRACENE	880	U	
DIBENZOFURAN	880	U	
DIETHYL PHTHALATE	880	U	
DIMETHYL PHTHALATE	880	U	
DI-N-BUTYL PHTHALATE	880	U	
DI-N-OCTYL PHTHALATE	880	U	
FLUORANTHENE	890		
FLUORENE	880	U	
HEXACHLOROBENZENE	880	U	
HEXACHLOROBUTADIENE	880	U	
HEXACHLOROCYCLOPENTADIENE	880	U	
HEXACHLOROETHANE	880	U	
INDENO(1,2,3-CD)PYRENE	570	J	P
ISOPHORONE	880	U	
NAPHTHALENE	880	U	

Parameter	Result	Val Qual	Qual Code
NITROBENZENE	880	U	
N-NITROSODIMETHYLAMINE	880	U	
N-NITROSO-DI-N-PROPYLAMINE	880	U	
N-NITROSODIPHENYLAMINE	880	U	
PENTACHLOROPHENOL	2200	U	
PHENANTHRENE	400	J	P
PHENOL	880	U	
PYRENE	2100		
PYRIDINE	880	U	

PROJ_NO: 00275

SDG: MID-7 MEDIA: SOIL DATA FRACTION: OS

nsample	SD-40-SS	nsample	SD-40-SS	nsample	SD-40-SS
samp_date	10/21/2005	samp_date	10/21/2005	samp_date	10/21/2005
lab_id	WV5606-5	lab_id	WV5606-5	lab_id	WV5606-5
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	27.7	Pct_Solids	27.7	Pct_Solids	27.7
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	1200	UJ	Y
1,2-DICHLOROBENZENE	1200	UJ	Y
1,3-DICHLOROBENZENE	1200	UJ	Y
1,4-DICHLOROBENZENE	120	B	A
1,4-DIOXANE	1200	UJ	Y
1-METHYLNAPHTHALENE	1200	UJ	Y
2,2'-OXYBIS(1-CHLOROPROPANE)	1200	UJ	Y
2,4,5-TRICHLOROPHENOL	3000	UJ	Y
2,4,6-TRICHLOROPHENOL	1200	UJ	Y
2,4-DICHLOROPHENOL	1200	UJ	Y
2,4-DIMETHYLPHENOL	1200	UJ	Y
2,4-DINITROPHENOL	3000	UJ	Y
2,4-DINITROTOLUENE	1200	UJ	Y
2,6-DINITROTOLUENE	1200	UJ	Y
2-CHLORONAPHTHALENE	1200	UJ	Y
2-CHLOROPHENOL	1200	UJ	Y
2-METHYLNAPHTHALENE	1200	UJ	Y
2-METHYLPHENOL	1200	UJ	Y
2-NITROANILINE	3000	UJ	Y
2-NITROPHENOL	1200	UJ	Y
3&4-METHYLPHENOL	1200	UJ	Y
3,3'-DICHLOROBENZIDINE	1200	UJ	Y
3-NITROANILINE	3000	UJ	Y
4,6-DINITRO-2-METHYLPHENOL	3000	UJ	Y
4-BROMOPHENYL PHENYL ETHER	1200	UJ	Y
4-CHLORO-3-METHYLPHENOL	1200	UJ	Y
4-CHLOROANILINE	1200	UJ	Y
4-CHLOROPHENYL PHENYL ETHER	1200	UJ	Y
4-NITROANILINE	3000	UJ	Y
4-NITROPHENOL	3000	UJ	Y
ACENAPHTHENE	240	B	A
ACENAPHTHYLENE	1200	UJ	Y

Parameter	Result	Val Qual	Qual Code
ANILINE	1200	UJ	Y
ANTHRACENE	1200	UJ	Y
AZOBENZENE	1200	UJ	Y
BENZIDINE	3000	UJ	Y
BENZO(A)ANTHRACENE	350	J	PY
BENZO(A)PYRENE	380	J	PY
BENZO(B)FLUORANTHENE	560	J	PY
BENZO(G,H,I)PERYLENE	1200	UJ	Y
BENZO(K)FLUORANTHENE	1200	UJ	Y
BENZOIC ACID	3000	UJ	Y
BENZYL ALCOHOL	1200	UJ	C
BIS(2-CHLOROETHOXY)METHANE	1200	UJ	Y
BIS(2-CHLOROETHYL)ETHER	1200	UJ	Y
BIS(2-ETHYLHEXYL)PHTHALATE	1200	J	PY
BUTYL BENZYL PHTHALATE	1200	UJ	Y
CARBAZOLE	1200	UJ	Y
CHRYSENE	530	J	PY
DIBENZO(A,H)ANTHRACENE	1200	UJ	Y
DIBENZOFURAN	1200	UJ	Y
DIETHYL PHTHALATE	1200	UJ	Y
DIMETHYL PHTHALATE	1200	UJ	Y
DI-N-BUTYL PHTHALATE	1200	UJ	Y
DI-N-OCTYL PHTHALATE	1200	UJ	Y
FLUORANTHENE	540	J	PY
FLUORENE	1200	UJ	Y
HEXACHLOROBENZENE	1200	UJ	Y
HEXACHLOROBUTADIENE	1200	UJ	Y
HEXACHLOROCYCLOPENTADIENE	1200	UJ	Y
HEXACHLOROETHANE	1200	UJ	Y
INDENO(1,2,3-CD)PYRENE	1200	UJ	Y
ISOPHORONE	1200	UJ	Y
NAPHTHALENE	1200	UJ	Y

Parameter	Result	Val Qual	Qual Code
NITROBENZENE	1200	UJ	Y
N-NITROSODIMETHYLAMINE	1200	UJ	Y
N-NITROSO-DI-N-PROPYLAMINE	1200	UJ	Y
N-NITROSODIPHENYLAMINE	1200	UJ	Y
PENTACHLOROPHENOL	3000	UJ	Y
PHENANTHRENE	1200	UJ	Y
PHENOL	1200	UJ	Y
PYRENE	950	J	PY
PYRIDINE	1200	UJ	Y

PROJ_NO: 00275

SDG: MID-7 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	SD-36-SS	nsample	SD-37-SS	nsample	SD-38-SS
samp_date	10/21/2005	samp_date	10/21/2005	samp_date	10/21/2005
lab_id	WV5606-1RA	lab_id	WV5606-2RA	lab_id	WV5606-3RA
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	26.7	Pct_Solids	23.6	Pct_Solids	20.7
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	64	UJ	Y
AROCLOR-1221	64	UJ	Y
AROCLOR-1232	64	UJ	Y
AROCLOR-1242	64	UJ	Y
AROCLOR-1248	64	UJ	Y
AROCLOR-1254	64	UJ	Y
AROCLOR-1260	430	J	Y

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	72	UJ	Y
AROCLOR-1221	72	UJ	Y
AROCLOR-1232	72	UJ	Y
AROCLOR-1242	72	UJ	Y
AROCLOR-1248	72	UJ	Y
AROCLOR-1254	72	UJ	Y
AROCLOR-1260	240	J	Y

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	82	UJ	Y
AROCLOR-1221	82	UJ	Y
AROCLOR-1232	82	UJ	Y
AROCLOR-1242	82	UJ	Y
AROCLOR-1248	82	UJ	Y
AROCLOR-1254	82	UJ	Y
AROCLOR-1260	210	J	Y

PROJ_NO: 00275

SDG: MID-7 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	SD-39-SS	nsample	SD-40-01	nsample	SD-40-02
samp_date	10/21/2005	samp_date	10/21/2005	samp_date	10/21/2005
lab_id	WV5606-4	lab_id	WV5606-6	lab_id	WV5606-7
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	29.8	Pct_Solids	38.1	Pct_Solids	37.6
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	57	UJ	Y
AROCLOR-1221	57	UJ	Y
AROCLOR-1232	57	UJ	Y
AROCLOR-1242	57	UJ	Y
AROCLOR-1248	57	UJ	Y
AROCLOR-1254	57	UJ	Y
AROCLOR-1260	190	J	Y

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	44	U	
AROCLOR-1221	44	U	
AROCLOR-1232	44	U	
AROCLOR-1242	44	U	
AROCLOR-1248	44	U	
AROCLOR-1254	44	U	
AROCLOR-1260	400		

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	45	U	
AROCLOR-1221	45	U	
AROCLOR-1232	45	U	
AROCLOR-1242	45	U	
AROCLOR-1248	45	U	
AROCLOR-1254	45	U	
AROCLOR-1260	960		

PROJ_NO: 00275

SDG: MID-7 MEDIA: SOIL DATA FRACTION: PEST/PCB

nsample	SD-40-SS
samp_date	10/21/2005
lab_id	WV5606-5
qc_type	NM
units	UG/KG
Pct_Solids	27.7
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	61	UJ	Y
AROCLOR-1221	61	UJ	Y
AROCLOR-1232	61	UJ	Y
AROCLOR-1242	61	UJ	Y
AROCLOR-1248	61	UJ	Y
AROCLOR-1254	61	UJ	Y
AROCLOR-1260	360	J	Y

Appendix B

Results as Reported by the Laboratory

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 27-OCT-2005 21:38
Report Date: 10/28/2005
Matrix: SOIL
% Solids: 26.7

Lab ID: WV5606-1RA
Client ID: SD-36-SS
SDG: MID-7
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22133
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	35	1.0	10	35	6
74-87-3	Chloromethane	U	35	1.0	10	35	3
75-01-4	Vinyl chloride	U	35	1.0	10	35	6
74-83-9	Bromomethane	U	35	1.0	10	35	7
75-00-3	Chloroethane	U	35	1.0	10	35	5
75-69-4	Trichlorofluoromethane	U	35	1.0	10	35	6
75-65-0	Tertiary-butyl alcohol	U	35	1.0	10	35	24
75-35-4	1,1-Dichloroethene	U	17	1.0	5	17	3
75-15-0	Carbon Disulfide	U	17	1.0	5	17	5
76-13-1	Freon-113	U	17	1.0	5	17	6
75-09-2	Methylene Chloride	U	17	1.0	5	17	7
67-64-1	Acetone	J	79	1.0	25	87	14
156-60-5	trans-1,2-Dichloroethene	U	17	1.0	5	17	3
1634-04-4	Methyl tert-butyl ether	J	5	1.0	10	35	2
108-20-3	Di-isopropyl ether	U	17	1.0	5	17	1
75-34-3	1,1-Dichloroethane	U	17	1.0	5	17	4
637-92-3	Ethyl tertiary-butyl ether	U	17	1.0	5	17	0.9
108-05-4	Vinyl Acetate	U	17	1.0	5	17	0.8
156-59-2	cis-1,2-Dichloroethene	U	17	1.0	5	17	2
540-59-0	1,2-Dichloroethylene (total)	U	35	1.0	10	35	5
594-20-7	2,2-Dichloropropane	U	17	1.0	5	17	5
74-97-5	Bromochloromethane	U	17	1.0	5	17	4
67-66-3	Chloroform	U	17	1.0	5	17	3
56-23-5	Carbon Tetrachloride	U	17	1.0	5	17	10
71-55-6	1,1,1-Trichloroethane	U	17	1.0	5	17	5
563-58-6	1,1-Dichloropropene	U	17	1.0	5	17	5
78-93-3	2-Butanone	U	87	1.0	25	87	11
71-43-2	Benzene	U	17	1.0	5	17	3
994-05-8	Tertiary-amyl methyl ether	U	17	1.0	5	17	1
107-06-2	1,2-Dichloroethane	U	17	1.0	5	17	2
79-01-6	Trichloroethene	U	17	1.0	5	17	3
74-95-3	Dibromomethane	U	17	1.0	5	17	2
78-87-5	1,2-Dichloropropane	U	17	1.0	5	17	2
75-27-4	Bromodichloromethane	U	17	1.0	5	17	2
10061-01-5	cis-1,3-dichloropropene	U	17	1.0	5	17	1
110-75-8	2-Chloroethylvinylether	U	17	1.0	5	17	3
108-88-3	Toluene	U	17	1.0	5	17	3
108-10-1	4-methyl-2-pentanone	U	87	1.0	25	87	15
127-18-4	Tetrachloroethene	U	17	1.0	5	17	4
10061-02-6	trans-1,3-Dichloropropene	U	17	1.0	5	17	2
124-48-1	Dibromochloromethane	U	17	1.0	5	17	2
142-28-9	1,3-Dichloropropane	U	17	1.0	5	17	1
106-93-4	1,2-Dibromoethane	U	17	1.0	5	17	2

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 27-OCT-2005 21:38
Report Date: 10/28/2005
Matrix: SOIL
% Solids: 26.7

Lab ID: WV5606-1RA
Client ID: SD-36-SS
SDG: MID-7
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22133
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	87	1.0	25	87	14
108-90-7	Chlorobenzene	U	17	1.0	5	17	2
100-41-4	Ethylbenzene	U	17	1.0	5	17	3
630-20-6	1,1,1,2-Tetrachloroethane	U	17	1.0	5	17	2
1330-20-7	Xylenes (total)	U	52	1.0	15	52	6
	m+p-Xylenes	U	35	1.0	10	35	4
95-47-6	o-Xylene	U	17	1.0	5	17	2
100-42-5	Styrene	U	17	1.0	5	17	1
75-25-2	Bromoform	U	17	1.0	5	17	2
98-82-8	Isopropylbenzene	U	17	1.0	5	17	3
108-86-1	Bromobenzene	U	17	1.0	5	17	3
103-65-1	N-Propylbenzene	U	17	1.0	5	17	2
79-34-5	1,1,2,2-Tetrachloroethane	U	17	1.0	5	17	4
95-49-8	2-Chlorotoluene	U	17	1.0	5	17	2
96-18-4	1,2,3-Trichloropropane	U	17	1.0	5	17	3
106-43-4	4-Chlorotoluene	U	17	1.0	5	17	2
98-06-6	tert-Butylbenzene	U	17	1.0	5	17	2
95-63-6	1,2,4-Trimethylbenzene	U	17	1.0	5	17	2
99-87-6	P-Isopropyltoluene	U	17	1.0	5	17	2
541-73-1	1,3-Dichlorobenzene	U	17	1.0	5	17	1
106-46-7	1,4-Dichlorobenzene	U	17	1.0	5	17	0.9
104-51-8	N-Butylbenzene	U	17	1.0	5	17	2
135-98-8	sec-Butylbenzene	U	17	1.0	5	17	3
95-50-1	1,2-Dichlorobenzene	U	17	1.0	5	17	1
96-12-8	1,2-Dibromo-3-Chloropropane	U	17	1.0	5	17	3
87-68-3	Hexachlorobutadiene	U	17	1.0	5	17	3
120-82-1	1,2,4-Trichlorobenzene	U	17	1.0	5	17	3
526-73-8	1,2,3-Trimethylbenzene	U	17	1.0	5	17	1
91-20-3	Naphthalene	U	17	1.0	5	17	5
87-61-6	1,2,3-Trichlorobenzene	U	17	1.0	5	17	5
1868-53-7	Dibromofluoromethane		61%				
17060-07-0	1,2-Dichloroethane-D4		83%				
2037-26-5	Toluene-D8		106%				
460-00-4	P-Bromofluorobenzene		82%				

FORM I

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-36-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-7

Matrix: (soil/water) SOIL Lab Sample ID: WV5606-1RA

Sample wt/vol: 5.400(g/mL) G Lab File ID: M9861

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: not dec. 73 Date Analyzed: 10/27/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 26-OCT-2005 22:34
Report Date: 10/28/2005
Matrix: SOIL
% Solids: 23.6

Lab ID: WV5606-2
Client ID: SD-37-SS
SDG: MID-7
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22077
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	42	1.0	10	42	8
74-87-3	Chloromethane	U	42	1.0	10	42	4
75-01-4	Vinyl chloride	U	42	1.0	10	42	8
74-83-9	Bromomethane	U	42	1.0	10	42	8
75-00-3	Chloroethane	U	42	1.0	10	42	6
75-69-4	Trichlorofluoromethane	U	42	1.0	10	42	8
75-65-0	Tertiary-butyl alcohol	U	42	1.0	10	42	29
75-35-4	1,1-Dichloroethene	U	21	1.0	5	21	4
75-15-0	Carbon Disulfide	U	21	1.0	5	21	6
76-13-1	Freon-113	U	21	1.0	5	21	7
75-09-2	Methylene Chloride	U	21	1.0	5	21	8
67-64-1	Acetone		130	1.0	25	100	18
156-60-5	trans-1,2-Dichloroethene	U	21	1.0	5	21	4
1634-04-4	Methyl tert-butyl ether	J	5	1.0	10	42	3
108-20-3	Di-isopropyl ether	U	21	1.0	5	21	2
75-34-3	1,1-Dichloroethane	U	21	1.0	5	21	4
637-92-3	Ethyl tertiary-butyl ether	U	21	1.0	5	21	1
108-05-4	Vinyl Acetate	U	21	1.0	5	21	1
156-59-2	cis-1,2-Dichloroethene	U	21	1.0	5	21	3
540-59-0	1,2-Dichloroethylene (total)	U	42	1.0	10	42	7
594-20-7	2,2-Dichloropropane	U	21	1.0	5	21	6
74-97-5	Bromochloromethane	U	21	1.0	5	21	5
67-66-3	Chloroform	U	21	1.0	5	21	4
56-23-5	Carbon Tetrachloride	U	21	1.0	5	21	13
71-55-6	1,1,1-Trichloroethane	U	21	1.0	5	21	6
563-58-6	1,1-Dichloropropene	U	21	1.0	5	21	6
78-93-3	2-Butanone	U	100	1.0	25	100	13
71-43-2	Benzene	U	21	1.0	5	21	4
994-05-8	Tertiary-amyl methyl ether	U	21	1.0	5	21	2
107-06-2	1,2-Dichloroethane	U	21	1.0	5	21	2
79-01-6	Trichloroethene	U	21	1.0	5	21	3
74-95-3	Dibromomethane	U	21	1.0	5	21	2
78-87-5	1,2-Dichloropropane	U	21	1.0	5	21	3
75-27-4	Bromodichloromethane	U	21	1.0	5	21	2
10061-01-5	cis-1,3-dichloropropene	U	21	1.0	5	21	1
110-75-8	2-Chloroethylvinylether	U	21	1.0	5	21	4
108-88-3	Toluene	U	21	1.0	5	21	4
108-10-1	4-methyl-2-pentanone	U	100	1.0	25	100	18
127-18-4	Tetrachloroethene	U	21	1.0	5	21	5
10061-02-6	trans-1,3-Dichloropropene	U	21	1.0	5	21	2
124-48-1	Dibromochloromethane	U	21	1.0	5	21	2
142-28-9	1,3-Dichloropropane	U	21	1.0	5	21	1
106-93-4	1,2-Dibromoethane	U	21	1.0	5	21	2

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 26-OCT-2005 22:34
Report Date: 10/28/2005
Matrix: SOIL
% Solids: 23.6

Lab ID: WV5606-2
Client ID: SD-37-SS
SDG: MID-7
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22077
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	100	1.0	25	100	17
108-90-7	Chlorobenzene	U	21	1.0	5	21	3
100-41-4	Ethylbenzene	U	21	1.0	5	21	3
630-20-6	1,1,1,2-Tetrachloroethane	U	21	1.0	5	21	2
1330-20-7	Xylenes (total)	U	63	1.0	15	63	8
	m+p-Xylenes	U	42	1.0	10	42	5
95-47-6	o-Xylene	U	21	1.0	5	21	3
100-42-5	Styrene	U	21	1.0	5	21	1
75-25-2	Bromoform	U	21	1.0	5	21	2
98-82-8	Isopropylbenzene	U	21	1.0	5	21	3
108-86-1	Bromobenzene	U	21	1.0	5	21	4
103-65-1	N-Propylbenzene	U	21	1.0	5	21	3
79-34-5	1,1,2,2-Tetrachloroethane	U	21	1.0	5	21	5
95-49-8	2-Chlorotoluene	U	21	1.0	5	21	3
96-18-4	1,2,3-Trichloropropane	U	21	1.0	5	21	3
106-43-4	4-Chlorotoluene	U	21	1.0	5	21	2
98-06-6	tert-Butylbenzene	U	21	1.0	5	21	3
95-63-6	1,2,4-Trimethylbenzene	U	21	1.0	5	21	2
99-87-6	P-Isopropyltoluene	U	21	1.0	5	21	3
541-73-1	1,3-Dichlorobenzene	U	21	1.0	5	21	1
106-46-7	1,4-Dichlorobenzene	U	21	1.0	5	21	1
104-51-8	N-Butylbenzene	U	21	1.0	5	21	3
135-98-8	sec-Butylbenzene	U	21	1.0	5	21	4
95-50-1	1,2-Dichlorobenzene	U	21	1.0	5	21	1
96-12-8	1,2-Dibromo-3-Chloropropane	U	21	1.0	5	21	3
87-68-3	Hexachlorobutadiene	U	21	1.0	5	21	3
120-82-1	1,2,4-Trichlorobenzene	U	21	1.0	5	21	4
526-73-8	1,2,3-Trimethylbenzene	U	21	1.0	5	21	1
91-20-3	Naphthalene	U	21	1.0	5	21	7
87-61-6	1,2,3-Trichlorobenzene	U	21	1.0	5	21	6
1868-53-7	Dibromofluoromethane		* 43%				
17060-07-0	1,2-Dichloroethane-D4		* 51%				
2037-26-5	Toluene-D8		* 61%				
460-00-4	P-Bromofluorobenzene		* 29%				

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-37-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-7

Matrix: (soil/water) SOIL Lab Sample ID: WV5606-2

Sample wt/vol: 5.000(g/mL) G Lab File ID: M9827

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: not dec. 76 Date Analyzed: 10/26/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9					

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 27-OCT-2005 22:17
Report Date: 10/28/2005
Matrix: SOIL
% Solids: 23.6

Lab ID: WV5606-2RA
Client ID: SD-37-SS
SDG: MID-7
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22133
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	42	1.0	10	42	8
74-87-3	Chloromethane	U	42	1.0	10	42	4
75-01-4	Vinyl chloride	U	42	1.0	10	42	8
74-83-9	Bromomethane	U	42	1.0	10	42	8
75-00-3	Chloroethane	U	42	1.0	10	42	6
75-69-4	Trichlorofluoromethane	U	42	1.0	10	42	8
75-65-0	Tertiary-butyl alcohol	U	42	1.0	10	42	29
75-35-4	1,1-Dichloroethene	U	21	1.0	5	21	4
75-15-0	Carbon Disulfide	U	21	1.0	5	21	6
76-13-1	Freon-113	U	21	1.0	5	21	7
75-09-2	Methylene Chloride	U	21	1.0	5	21	8
67-64-1	Acetone	J	65	1.0	25	100	18
156-60-5	trans-1,2-Dichloroethene	U	21	1.0	5	21	4
1634-04-4	Methyl tert-butyl ether	J	6	1.0	10	42	3
108-20-3	Di-isopropyl ether	U	21	1.0	5	21	2
75-34-3	1,1-Dichloroethane	U	21	1.0	5	21	4
637-92-3	Ethyl tertiary-butyl ether	U	21	1.0	5	21	1
108-05-4	Vinyl Acetate	U	21	1.0	5	21	1
156-59-2	cis-1,2-Dichloroethene	U	21	1.0	5	21	3
540-59-0	1,2-Dichloroethylene (total)	U	42	1.0	10	42	7
594-20-7	2,2-Dichloropropane	U	21	1.0	5	21	6
74-97-5	Bromochloromethane	U	21	1.0	5	21	5
67-66-3	Chloroform	U	21	1.0	5	21	4
56-23-5	Carbon Tetrachloride	U	21	1.0	5	21	13
71-55-6	1,1,1-Trichloroethane	U	21	1.0	5	21	6
563-58-6	1,1-Dichloropropene	U	21	1.0	5	21	6
78-93-3	2-Butanone	U	100	1.0	25	100	13
71-43-2	Benzene	U	21	1.0	5	21	4
994-05-8	Tertiary-amyl methyl ether	U	21	1.0	5	21	2
107-06-2	1,2-Dichloroethane	U	21	1.0	5	21	2
79-01-6	Trichloroethene	U	21	1.0	5	21	3
74-95-3	Dibromomethane	U	21	1.0	5	21	2
78-87-5	1,2-Dichloropropane	U	21	1.0	5	21	3
75-27-4	Bromodichloromethane	U	21	1.0	5	21	2
10061-01-5	cis-1,3-dichloropropene	U	21	1.0	5	21	1
110-75-8	2-Chloroethylvinylether	U	21	1.0	5	21	4
108-88-3	Toluene	U	21	1.0	5	21	4
108-10-1	4-methyl-2-pentanone	U	100	1.0	25	100	18
127-18-4	Tetrachloroethene	U	21	1.0	5	21	5
10061-02-6	trans-1,3-Dichloropropene	U	21	1.0	5	21	2
124-48-1	Dibromochloromethane	U	21	1.0	5	21	2
142-28-9	1,3-Dichloropropane	U	21	1.0	5	21	1
106-93-4	1,2-Dibromoethane	U	21	1.0	5	21	2

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 27-OCT-2005 22:17
Report Date: 10/28/2005
Matrix: SOIL
% Solids: 23.6

Lab ID: WV5606-2RA
Client ID: SD-37-SS
SDG: MID-7
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22133
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	100	1.0	25	100	17
108-90-7	Chlorobenzene	U	21	1.0	5	21	3
100-41-4	Ethylbenzene	U	21	1.0	5	21	3
630-20-6	1,1,1,2-Tetrachloroethane	U	21	1.0	5	21	2
1330-20-7	Xylenes (total)	U	63	1.0	15	63	8
	m+p-Xylenes	U	42	1.0	10	42	5
95-47-6	o-Xylene	U	21	1.0	5	21	3
100-42-5	Styrene	U	21	1.0	5	21	1
75-25-2	Bromoform	U	21	1.0	5	21	2
98-82-8	Isopropylbenzene	U	21	1.0	5	21	3
108-86-1	Bromobenzene	U	21	1.0	5	21	4
103-65-1	N-Propylbenzene	U	21	1.0	5	21	3
79-34-5	1,1,2,2-Tetrachloroethane	U	21	1.0	5	21	5
95-49-8	2-Chlorotoluene	U	21	1.0	5	21	3
96-18-4	1,2,3-Trichloropropane	U	21	1.0	5	21	3
106-43-4	4-Chlorotoluene	U	21	1.0	5	21	2
98-06-6	tert-Butylbenzene	U	21	1.0	5	21	3
95-63-6	1,2,4-Trimethylbenzene	U	21	1.0	5	21	2
99-87-6	P-Isopropyltoluene	U	21	1.0	5	21	3
541-73-1	1,3-Dichlorobenzene	U	21	1.0	5	21	1
106-46-7	1,4-Dichlorobenzene	U	21	1.0	5	21	1
104-51-8	N-Butylbenzene	U	21	1.0	5	21	3
135-98-8	sec-Butylbenzene	U	21	1.0	5	21	4
95-50-1	1,2-Dichlorobenzene	U	21	1.0	5	21	1
96-12-8	1,2-Dibromo-3-Chloropropane	U	21	1.0	5	21	3
87-68-3	Hexachlorobutadiene	U	21	1.0	5	21	3
120-82-1	1,2,4-Trichlorobenzene	U	21	1.0	5	21	4
526-73-8	1,2,3-Trimethylbenzene	U	21	1.0	5	21	1
91-20-3	Naphthalene	U	21	1.0	5	21	7
87-61-6	1,2,3-Trichlorobenzene	U	21	1.0	5	21	6
1868-53-7	Dibromofluoromethane		* 47%				
17060-07-0	1,2-Dichloroethane-D4		73%				
2037-26-5	Toluene-D8		88%				
460-00-4	P-Bromofluorobenzene		59%				

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-37-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES

Lab Code: KAS

Project: MIDDLE RIVER

SDG No.: MID-7

Matrix: (soil/water) SOIL

Lab Sample ID: WV5606-2RA

Sample wt/vol: 5.000(g/mL) G

Lab File ID: M9862

Level: (low/med) LOW

Date Received: 10/22/05

% Moisture: not dec. 76

Date Analyzed: 10/27/05

GC Column: RTX-VMS ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume:_____(mL)

Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
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27.					
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30.					

FORM I VOA-TIC

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 26-OCT-2005 23:12
Report Date: 10/28/2005
Matrix: SOIL
% Solids: 20.7

Lab ID: WV5606-3
Client ID: SD-38-SS
SDG: MID-7
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22077
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	48	1.0	10	48	9
74-87-3	Chloromethane	U	48	1.0	10	48	5
75-01-4	Vinyl chloride	U	48	1.0	10	48	9
74-83-9	Bromomethane	U	48	1.0	10	48	10
75-00-3	Chloroethane	U	48	1.0	10	48	7
75-69-4	Trichlorofluoromethane	U	48	1.0	10	48	9
75-65-0	Tertiary-butyl alcohol	U	48	1.0	10	48	34
75-35-4	1,1-Dichloroethene	U	24	1.0	5	24	5
75-15-0	Carbon Disulfide	U	24	1.0	5	24	7
76-13-1	Freon-113	U	24	1.0	5	24	8
75-09-2	Methylene Chloride	U	24	1.0	5	24	10
67-64-1	Acetone	U	120	1.0	25	120	20
156-60-5	trans-1,2-Dichloroethene	U	24	1.0	5	24	4
1634-04-4	Methyl tert-butyl ether	J	7	1.0	10	48	3
108-20-3	Di-isopropyl ether	U	24	1.0	5	24	2
75-34-3	1,1-Dichloroethane	U	24	1.0	5	24	5
637-92-3	Ethyl tertiary-butyl ether	U	24	1.0	5	24	1
108-05-4	Vinyl Acetate	U	24	1.0	5	24	1
156-59-2	cis-1,2-Dichloroethene	U	24	1.0	5	24	3
540-59-0	1,2-Dichloroethylene (total)	U	48	1.0	10	48	8
594-20-7	2,2-Dichloropropane	U	24	1.0	5	24	7
74-97-5	Bromochloromethane	U	24	1.0	5	24	6
67-66-3	Chloroform	U	24	1.0	5	24	4
56-23-5	Carbon Tetrachloride	U	24	1.0	5	24	15
71-55-6	1,1,1-Trichloroethane	U	24	1.0	5	24	6
563-58-6	1,1-Dichloropropene	U	24	1.0	5	24	6
78-93-3	2-Butanone	U	120	1.0	25	120	15
71-43-2	Benzene	U	24	1.0	5	24	4
994-05-8	Tertiary-amyl methyl ether	U	24	1.0	5	24	2
107-06-2	1,2-Dichloroethane	U	24	1.0	5	24	3
79-01-6	Trichloroethene	U	24	1.0	5	24	4
74-95-3	Dibromomethane	U	24	1.0	5	24	2
78-87-5	1,2-Dichloropropane	U	24	1.0	5	24	4
75-27-4	Bromodichloromethane	U	24	1.0	5	24	2
10061-01-5	cis-1,3-dichloropropene	U	24	1.0	5	24	2
110-75-8	2-Chloroethylvinylether	U	24	1.0	5	24	4
108-88-3	Toluene	U	24	1.0	5	24	4
108-10-1	4-methyl-2-pentanone	U	120	1.0	25	120	20
127-18-4	Tetrachloroethene	U	24	1.0	5	24	6
10061-02-6	trans-1,3-Dichloropropene	U	24	1.0	5	24	3
124-48-1	Dibromochloromethane	U	24	1.0	5	24	2
142-28-9	1,3-Dichloropropane	U	24	1.0	5	24	2
106-93-4	1,2-Dibromoethane	U	24	1.0	5	24	2

Sample Data Summary A0000012

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 26-OCT-2005 23:12
Report Date: 10/28/2005
Matrix: SOIL
% Solids: 20.7

Lab ID: WV5606-3
Client ID: SD-38-SS
SDG: MID-7
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22077
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	120	1.0	25	120	20
108-90-7	Chlorobenzene	U	24	1.0	5	24	3
100-41-4	Ethylbenzene	U	24	1.0	5	24	4
630-20-6	1,1,1,2-Tetrachloroethane	U	24	1.0	5	24	2
1330-20-7	Xylenes (total)	U	72	1.0	15	72	9
	m+p-Xylenes	U	48	1.0	10	48	6
95-47-6	o-Xylene	U	24	1.0	5	24	3
100-42-5	Styrene	U	24	1.0	5	24	2
75-25-2	Bromoform	U	24	1.0	5	24	3
98-82-8	Isopropylbenzene	U	24	1.0	5	24	4
108-86-1	Bromobenzene	U	24	1.0	5	24	5
103-65-1	N-Propylbenzene	U	24	1.0	5	24	3
79-34-5	1,1,2,2-Tetrachloroethane	U	24	1.0	5	24	5
95-49-8	2-Chlorotoluene	U	24	1.0	5	24	3
96-18-4	1,2,3-Trichloropropane	U	24	1.0	5	24	4
106-43-4	4-Chlorotoluene	U	24	1.0	5	24	2
98-06-6	tert-Butylbenzene	U	24	1.0	5	24	3
95-63-6	1,2,4-Trimethylbenzene	U	24	1.0	5	24	3
99-87-6	P-Isopropyltoluene	U	24	1.0	5	24	3
541-73-1	1,3-Dichlorobenzene	U	24	1.0	5	24	2
106-46-7	1,4-Dichlorobenzene	U	24	1.0	5	24	1
104-51-8	N-Butylbenzene	U	24	1.0	5	24	3
135-98-8	sec-Butylbenzene	U	24	1.0	5	24	5
95-50-1	1,2-Dichlorobenzene	U	24	1.0	5	24	1
96-12-8	1,2-Dibromo-3-Chloropropane	U	24	1.0	5	24	4
87-68-3	Hexachlorobutadiene	U	24	1.0	5	24	4
120-82-1	1,2,4-Trichlorobenzene	U	24	1.0	5	24	4
526-73-8	1,2,3-Trimethylbenzene	U	24	1.0	5	24	2
91-20-3	Naphthalene	U	24	1.0	5	24	8
87-61-6	1,2,3-Trichlorobenzene	U	24	1.0	5	24	7
1868-53-7	Dibromofluoromethane		* 48%				
17060-07-0	1,2-Dichloroethane-D4		83%				
2037-26-5	Toluene-D8		91%				
460-00-4	P-Bromofluorobenzene		74%				

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-38-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES

Lab Code: KAS

Project: MIDDLE RIVER

SDG No.: MID-7

Matrix: (soil/water) SOIL

Lab Sample ID: WV5606-3

Sample wt/vol: 5.000(g/mL) G

Lab File ID: M9828

Level: (low/med) LOW

Date Received: 10/22/05

% Moisture: not dec. 79

Date Analyzed: 10/26/05

GC Column: RTX-VMS ID: 0.18 (mm)

Dilution Factor: 1.0

Soil Extract Volume:_____(mL)

Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
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FORM I VOA-TIC

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 27-OCT-2005 22:55
Report Date: 10/28/2005
Matrix: SOIL
% Solids: 20.7

Lab ID: WV5606-3RA
Client ID: SD-38-SS
SDG: MID-7
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22133
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	49	1.0	10	49	9
74-87-3	Chloromethane	U	49	1.0	10	49	5
75-01-4	Vinyl chloride	U	49	1.0	10	49	9
74-83-9	Bromomethane	U	49	1.0	10	49	10
75-00-3	Chloroethane	U	49	1.0	10	49	7
75-69-4	Trichlorofluoromethane	U	49	1.0	10	49	9
75-65-0	Tertiary-butyl alcohol	U	49	1.0	10	49	34
75-35-4	1,1-Dichloroethene	U	25	1.0	5	25	5
75-15-0	Carbon Disulfide	U	25	1.0	5	25	7
76-13-1	Freon-113	U	25	1.0	5	25	8
75-09-2	Methylene Chloride	U	25	1.0	5	25	10
67-64-1	Acetone	U	120	1.0	25	120	20
156-60-5	trans-1,2-Dichloroethene	U	25	1.0	5	25	4
1634-04-4	Methyl tert-butyl ether	J	7	1.0	10	49	3
108-20-3	Di-isopropyl ether	U	25	1.0	5	25	2
75-34-3	1,1-Dichloroethane	U	25	1.0	5	25	5
637-92-3	Ethyl tertiary-butyl ether	U	25	1.0	5	25	1
108-05-4	Vinyl Acetate	U	25	1.0	5	25	1
156-59-2	cis-1,2-Dichloroethene	U	25	1.0	5	25	3
540-59-0	1,2-Dichloroethylene (total)	U	49	1.0	10	49	8
594-20-7	2,2-Dichloropropane	U	25	1.0	5	25	7
74-97-5	Bromochloromethane	U	25	1.0	5	25	6
67-66-3	Chloroform	U	25	1.0	5	25	4
56-23-5	Carbon Tetrachloride	U	25	1.0	5	25	15
71-55-6	1,1,1-Trichloroethane	U	25	1.0	5	25	6
563-58-6	1,1-Dichloropropene	U	25	1.0	5	25	6
78-93-3	2-Butanone	U	120	1.0	25	120	16
71-43-2	Benzene	U	25	1.0	5	25	4
994-05-8	Tertiary-amyl methyl ether	U	25	1.0	5	25	2
107-06-2	1,2-Dichloroethane	U	25	1.0	5	25	3
79-01-6	Trichloroethene	U	25	1.0	5	25	4
74-95-3	Dibromomethane	U	25	1.0	5	25	2
78-87-5	1,2-Dichloropropane	U	25	1.0	5	25	4
75-27-4	Bromodichloromethane	U	25	1.0	5	25	2
10061-01-5	cis-1,3-dichloropropene	U	25	1.0	5	25	2
110-75-8	2-Chloroethylvinylether	U	25	1.0	5	25	5
108-88-3	Toluene	U	25	1.0	5	25	4
108-10-1	4-methyl-2-pentanone	U	120	1.0	25	120	21
127-18-4	Tetrachloroethene	U	25	1.0	5	25	6
10061-02-6	trans-1,3-Dichloropropene	U	25	1.0	5	25	3
124-48-1	Dibromochloromethane	U	25	1.0	5	25	2
142-28-9	1,3-Dichloropropane	U	25	1.0	5	25	2
106-93-4	1,2-Dibromoethane	U	25	1.0	5	25	2

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 27-OCT-2005 22:55
Report Date: 10/28/2005
Matrix: SOIL
% Solids: 20.7

Lab ID: WV5606-3RA
Client ID: SD-38-SS
SDG: MID-7
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22133
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	120	1.0	25	120	20
108-90-7	Chlorobenzene	U	25	1.0	5	25	3
100-41-4	Ethylbenzene	U	25	1.0	5	25	4
630-20-6	1,1,1,2-Tetrachloroethane	U	25	1.0	5	25	2
1330-20-7	Xylenes (total)	U	74	1.0	15	74	9
	m+p-Xylenes	U	49	1.0	10	49	6
95-47-6	o-Xylene	U	25	1.0	5	25	3
100-42-5	Styrene	U	25	1.0	5	25	2
75-25-2	Bromoform	U	25	1.0	5	25	3
98-82-8	Isopropylbenzene	U	25	1.0	5	25	4
108-86-1	Bromobenzene	U	25	1.0	5	25	5
103-65-1	N-Propylbenzene	U	25	1.0	5	25	4
79-34-5	1,1,2,2-Tetrachloroethane	U	25	1.0	5	25	6
95-49-8	2-Chlorotoluene	U	25	1.0	5	25	3
96-18-4	1,2,3-Trichloropropane	U	25	1.0	5	25	4
106-43-4	4-Chlorotoluene	U	25	1.0	5	25	2
98-06-6	tert-Butylbenzene	U	25	1.0	5	25	3
95-63-6	1,2,4-Trimethylbenzene	U	25	1.0	5	25	3
99-87-6	P-Isopropyltoluene	U	25	1.0	5	25	3
541-73-1	1,3-Dichlorobenzene	U	25	1.0	5	25	2
106-46-7	1,4-Dichlorobenzene	U	25	1.0	5	25	1
104-51-8	N-Butylbenzene	U	25	1.0	5	25	3
135-98-8	sec-Butylbenzene	U	25	1.0	5	25	5
95-50-1	1,2-Dichlorobenzene	U	25	1.0	5	25	1
96-12-8	1,2-Dibromo-3-Chloropropane	U	25	1.0	5	25	4
87-68-3	Hexachlorobutadiene	U	25	1.0	5	25	4
120-82-1	1,2,4-Trichlorobenzene	U	25	1.0	5	25	4
526-73-8	1,2,3-Trimethylbenzene	U	25	1.0	5	25	2
91-20-3	Naphthalene	U	25	1.0	5	25	8
87-61-6	1,2,3-Trichlorobenzene	U	25	1.0	5	25	7
1868-53-7	Dibromofluoromethane		* 42%				
17060-07-0	1,2-Dichloroethane-D4		66%				
2037-26-5	Toluene-D8		72%				
460-00-4	P-Bromofluorobenzene		56%				

FORM I

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-38-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-7

Matrix: (soil/water) SOIL Lab Sample ID: WV5606-3RA

Sample wt/vol: 4.900(g/mL) G Lab File ID: M9863

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: not dec. 79 Date Analyzed: 10/27/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
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Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 26-OCT-2005 23:51
Report Date: 10/28/2005
Matrix: SOIL
% Solids: 29.8

Lab ID: WV5606-4
Client ID: SD-39-SS
SDG: MID-7
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22077
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	34	1.0	10	34	6
74-87-3	Chloromethane	U	34	1.0	10	34	3
75-01-4	Vinyl chloride	U	34	1.0	10	34	6
74-83-9	Bromomethane	U	34	1.0	10	34	7
75-00-3	Chloroethane	U	34	1.0	10	34	5
75-69-4	Trichlorofluoromethane	U	34	1.0	10	34	6
75-65-0	Tertiary-butyl alcohol	U	34	1.0	10	34	23
75-35-4	1,1-Dichloroethene	U	17	1.0	5	17	3
75-15-0	Carbon Disulfide	U	17	1.0	5	17	5
76-13-1	Freon-113	U	17	1.0	5	17	6
75-09-2	Methylene Chloride	U	17	1.0	5	17	7
67-64-1	Acetone	U	84	1.0	25	84	14
156-60-5	trans-1,2-Dichloroethene	U	17	1.0	5	17	3
1634-04-4	Methyl tert-butyl ether	U	34	1.0	10	34	2
108-20-3	Di-isopropyl ether	U	17	1.0	5	17	1
75-34-3	1,1-Dichloroethane	U	17	1.0	5	17	4
637-92-3	Ethyl tertiary-butyl ether	U	17	1.0	5	17	0.9
108-05-4	Vinyl Acetate	U	17	1.0	5	17	0.8
156-59-2	cis-1,2-Dichloroethene	U	17	1.0	5	17	2
540-59-0	1,2-Dichloroethylene (total)	U	34	1.0	10	34	5
594-20-7	2,2-Dichloropropane	U	17	1.0	5	17	5
74-97-5	Bromochloromethane	U	17	1.0	5	17	4
67-66-3	Chloroform	U	17	1.0	5	17	3
56-23-5	Carbon Tetrachloride	U	17	1.0	5	17	10
71-55-6	1,1,1-Trichloroethane	U	17	1.0	5	17	4
563-58-6	1,1-Dichloropropene	U	17	1.0	5	17	4
78-93-3	2-Butanone	U	84	1.0	25	84	10
71-43-2	Benzene	U	17	1.0	5	17	3
994-05-8	Tertiary-amyl methyl ether	U	17	1.0	5	17	1
107-06-2	1,2-Dichloroethane	U	17	1.0	5	17	2
79-01-6	Trichloroethene	U	17	1.0	5	17	2
74-95-3	Dibromomethane	U	17	1.0	5	17	2
78-87-5	1,2-Dichloropropane	U	17	1.0	5	17	2
75-27-4	Bromodichloromethane	U	17	1.0	5	17	2
10061-01-5	cis-1,3-dichloropropene	U	17	1.0	5	17	1
110-75-8	2-Chloroethylvinylether	U	17	1.0	5	17	3
108-88-3	Toluene	U	17	1.0	5	17	3
108-10-1	4-methyl-2-pentanone	U	84	1.0	25	84	14
127-18-4	Tetrachloroethene	U	17	1.0	5	17	4
10061-02-6	trans-1,3-Dichloropropene	U	17	1.0	5	17	2
124-48-1	Dibromochloromethane	U	17	1.0	5	17	2
142-28-9	1,3-Dichloropropane	U	17	1.0	5	17	1
106-93-4	1,2-Dibromoethane	U	17	1.0	5	17	2

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 26-OCT-2005 23:51
Report Date: 10/28/2005
Matrix: SOIL
% Solids: 29.8

Lab ID: WV5606-4
Client ID: SD-39-SS
SDG: MID-7
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22077
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	84	1.0	25	84	14
108-90-7	Chlorobenzene	U	17	1.0	5	17	2
100-41-4	Ethylbenzene	U	17	1.0	5	17	2
630-20-6	1,1,1,2-Tetrachloroethane	U	17	1.0	5	17	2
1330-20-7	Xylenes (total)	U	50	1.0	15	50	6
	m+p-Xylenes	U	34	1.0	10	34	4
95-47-6	o-Xylene	U	17	1.0	5	17	2
100-42-5	Styrene	U	17	1.0	5	17	1
75-25-2	Bromoform	U	17	1.0	5	17	2
98-82-8	Isopropylbenzene	U	17	1.0	5	17	2
108-86-1	Bromobenzene	U	17	1.0	5	17	3
103-65-1	N-Propylbenzene	U	17	1.0	5	17	2
79-34-5	1,1,2,2-Tetrachloroethane	U	17	1.0	5	17	4
95-49-8	2-Chlorotoluene	U	17	1.0	5	17	2
96-18-4	1,2,3-Trichloropropane	U	17	1.0	5	17	2
106-43-4	4-Chlorotoluene	U	17	1.0	5	17	2
98-06-6	tert-Butylbenzene	U	17	1.0	5	17	2
95-63-6	1,2,4-Trimethylbenzene	U	17	1.0	5	17	2
99-87-6	P-Isopropyltoluene	U	17	1.0	5	17	2
541-73-1	1,3-Dichlorobenzene	U	17	1.0	5	17	1
106-46-7	1,4-Dichlorobenzene	U	17	1.0	5	17	0.9
104-51-8	N-Butylbenzene	U	17	1.0	5	17	2
135-98-8	sec-Butylbenzene	U	17	1.0	5	17	3
95-50-1	1,2-Dichlorobenzene	U	17	1.0	5	17	1.0
96-12-8	1,2-Dibromo-3-Chloropropane	U	17	1.0	5	17	3
87-68-3	Hexachlorobutadiene	U	17	1.0	5	17	3
120-82-1	1,2,4-Trichlorobenzene	U	17	1.0	5	17	3
526-73-8	1,2,3-Trimethylbenzene	U	17	1.0	5	17	1
91-20-3	Naphthalene	U	17	1.0	5	17	5
87-61-6	1,2,3-Trichlorobenzene	U	17	1.0	5	17	5
1868-53-7	Dibromofluoromethane		* 48%				
17060-07-0	1,2-Dichloroethane-D4		80%				
2037-26-5	Toluene-D8		75%				
460-00-4	P-Bromofluorobenzene		54%				

FORM I

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-39-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-7

Matrix: (soil/water) SOIL Lab Sample ID: WV5606-4

Sample wt/vol: 5.000(g/mL) G Lab File ID: M9829

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: not dec. 70 Date Analyzed: 10/26/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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FORM I VOA-TIC

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 27-OCT-2005 23:34
Report Date: 10/28/2005
Matrix: SOIL
% Solids: 29.8

Lab ID: WV5606-4RA
Client ID: SD-39-SS
SDG: MID-7
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22133
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	34	1.0	10	34	6
74-87-3	Chloromethane	U	34	1.0	10	34	3
75-01-4	Vinyl chloride	U	34	1.0	10	34	6
74-83-9	Bromomethane	U	34	1.0	10	34	7
75-00-3	Chloroethane	U	34	1.0	10	34	5
75-69-4	Trichlorofluoromethane	U	34	1.0	10	34	6
75-65-0	Tertiary-butyl alcohol	U	34	1.0	10	34	24
75-35-4	1,1-Dichloroethene	U	17	1.0	5	17	3
75-15-0	Carbon Disulfide	U	17	1.0	5	17	5
76-13-1	Freon-113	U	17	1.0	5	17	6
75-09-2	Methylene Chloride	U	17	1.0	5	17	7
67-64-1	Acetone	U	85	1.0	25	85	14
156-60-5	trans-1,2-Dichloroethene	U	17	1.0	5	17	3
1634-04-4	Methyl tert-butyl ether	U	34	1.0	10	34	2
108-20-3	Di-isopropyl ether	U	17	1.0	5	17	1
75-34-3	1,1-Dichloroethane	U	17	1.0	5	17	4
637-92-3	Ethyl tertiary-butyl ether	U	17	1.0	5	17	0.9
108-05-4	Vinyl Acetate	U	17	1.0	5	17	0.8
156-59-2	cis-1,2-Dichloroethene	U	17	1.0	5	17	2
540-59-0	1,2-Dichloroethylene (total)	U	34	1.0	10	34	5
594-20-7	2,2-Dichloropropane	U	17	1.0	5	17	5
74-97-5	Bromochloromethane	U	17	1.0	5	17	4
67-66-3	Chloroform	U	17	1.0	5	17	3
56-23-5	Carbon Tetrachloride	U	17	1.0	5	17	10
71-55-6	1,1,1-Trichloroethane	U	17	1.0	5	17	4
563-58-6	1,1-Dichloropropene	U	17	1.0	5	17	4
78-93-3	2-Butanone	U	85	1.0	25	85	11
71-43-2	Benzene	U	17	1.0	5	17	3
994-05-8	Tertiary-amyl methyl ether	U	17	1.0	5	17	1
107-06-2	1,2-Dichloroethane	U	17	1.0	5	17	2
79-01-6	Trichloroethene	U	17	1.0	5	17	3
74-95-3	Dibromomethane	U	17	1.0	5	17	2
78-87-5	1,2-Dichloropropane	U	17	1.0	5	17	2
75-27-4	Bromodichloromethane	U	17	1.0	5	17	2
10061-01-5	cis-1,3-dichloropropene	U	17	1.0	5	17	1
110-75-8	2-Chloroethylvinylether	U	17	1.0	5	17	3
108-88-3	Toluene	U	17	1.0	5	17	3
108-10-1	4-methyl-2-pentanone	U	85	1.0	25	85	14
127-18-4	Tetrachloroethene	U	17	1.0	5	17	4
10061-02-6	trans-1,3-Dichloropropene	U	17	1.0	5	17	2
124-48-1	Dibromochloromethane	U	17	1.0	5	17	2
142-28-9	1,3-Dichloropropane	U	17	1.0	5	17	1
106-93-4	1,2-Dibromoethane	U	17	1.0	5	17	2

Sample Data Summary A0000021

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 27-OCT-2005 23:34
Report Date: 10/28/2005
Matrix: SOIL
% Solids: 29.8

Lab ID: WV5606-4RA
Client ID: SD-39-SS
SDG: MID-7
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22133
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	85	1.0	25	85	14
108-90-7	Chlorobenzene	U	17	1.0	5	17	2
100-41-4	Ethylbenzene	U	17	1.0	5	17	2
630-20-6	1,1,1,2-Tetrachloroethane	U	17	1.0	5	17	2
1330-20-7	Xylenes (total)	U	51	1.0	15	51	6
	m+p-Xylenes	U	34	1.0	10	34	4
95-47-6	o-Xylene	U	17	1.0	5	17	2
100-42-5	Styrene	U	17	1.0	5	17	1
75-25-2	Bromoform	U	17	1.0	5	17	2
98-82-8	Isopropylbenzene	U	17	1.0	5	17	3
108-86-1	Bromobenzene	U	17	1.0	5	17	3
103-65-1	N-Propylbenzene	U	17	1.0	5	17	2
79-34-5	1,1,2,2-Tetrachloroethane	U	17	1.0	5	17	4
95-49-8	2-Chlorotoluene	U	17	1.0	5	17	2
96-18-4	1,2,3-Trichloropropane	U	17	1.0	5	17	2
106-43-4	4-Chlorotoluene	U	17	1.0	5	17	2
98-06-6	tert-Butylbenzene	U	17	1.0	5	17	2
95-63-6	1,2,4-Trimethylbenzene	U	17	1.0	5	17	2
99-87-6	P-Isopropyltoluene	U	17	1.0	5	17	2
541-73-1	1,3-Dichlorobenzene	U	17	1.0	5	17	1
106-46-7	1,4-Dichlorobenzene	U	17	1.0	5	17	0.9
104-51-8	N-Butylbenzene	U	17	1.0	5	17	2
135-98-8	sec-Butylbenzene	U	17	1.0	5	17	3
95-50-1	1,2-Dichlorobenzene	U	17	1.0	5	17	1.0
96-12-8	1,2-Dibromo-3-Chloropropane	U	17	1.0	5	17	3
87-68-3	Hexachlorobutadiene	U	17	1.0	5	17	3
120-82-1	1,2,4-Trichlorobenzene	U	17	1.0	5	17	3
526-73-8	1,2,3-Trimethylbenzene	U	17	1.0	5	17	1
91-20-3	Naphthalene	U	17	1.0	5	17	5
87-61-6	1,2,3-Trichlorobenzene	U	17	1.0	5	17	5
1868-53-7	Dibromofluoromethane		* 35%				
17060-07-0	1,2-Dichloroethane-D4		* 49%				
2037-26-5	Toluene-D8		* 48%				
460-00-4	P-Bromofluorobenzene		36%				

FORM I

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-39-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-7

Matrix: (soil/water) SOIL Lab Sample ID: WV5606-4RA

Sample wt/vol: 4.900(g/mL) G Lab File ID: M9864

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: not dec. 70 Date Analyzed: 10/27/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
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FORM I VOA-TIC

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 27-OCT-2005 00:30
Report Date: 10/28/2005
Matrix: SOIL
% Solids: 27.7

Lab ID: WV5606-5
Client ID: SD-40-SS
SDG: MID-7
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22077
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	36	1.0	10	36	7
74-87-3	Chloromethane	U	36	1.0	10	36	4
75-01-4	Vinyl chloride	U	36	1.0	10	36	6
74-83-9	Bromomethane	U	36	1.0	10	36	7
75-00-3	Chloroethane	U	36	1.0	10	36	5
75-69-4	Trichlorofluoromethane	U	36	1.0	10	36	6
75-65-0	Tertiary-butyl alcohol	U	36	1.0	10	36	25
75-35-4	1,1-Dichloroethene	U	18	1.0	5	18	4
75-15-0	Carbon Disulfide	U	18	1.0	5	18	5
76-13-1	Freon-113	U	18	1.0	5	18	6
75-09-2	Methylene Chloride	U	18	1.0	5	18	7
67-64-1	Acetone		150	1.0	25	90	15
156-60-5	trans-1,2-Dichloroethene	U	18	1.0	5	18	3
1634-04-4	Methyl tert-butyl ether	U	36	1.0	10	36	2
108-20-3	Di-isopropyl ether	U	18	1.0	5	18	1
75-34-3	1,1-Dichloroethane	U	18	1.0	5	18	4
637-92-3	Ethyl tertiary-butyl ether	U	18	1.0	5	18	1.0
108-05-4	Vinyl Acetate	U	18	1.0	5	18	0.9
156-59-2	cis-1,2-Dichloroethene	U	18	1.0	5	18	2
540-59-0	1,2-Dichloroethylene (total)	U	36	1.0	10	36	6
594-20-7	2,2-Dichloropropane	U	18	1.0	5	18	5
74-97-5	Bromochloromethane	U	18	1.0	5	18	4
67-66-3	Chloroform	U	18	1.0	5	18	3
56-23-5	Carbon Tetrachloride	U	18	1.0	5	18	11
71-55-6	1,1,1-Trichloroethane	U	18	1.0	5	18	5
563-58-6	1,1-Dichloropropene	U	18	1.0	5	18	5
78-93-3	2-Butanone	U	90	1.0	25	90	11
71-43-2	Benzene	U	18	1.0	5	18	3
994-05-8	Tertiary-amyl methyl ether	U	18	1.0	5	18	1
107-06-2	1,2-Dichloroethane	U	18	1.0	5	18	2
79-01-6	Trichloroethene	U	18	1.0	5	18	3
74-95-3	Dibromomethane	U	18	1.0	5	18	2
78-87-5	1,2-Dichloropropane	U	18	1.0	5	18	3
75-27-4	Bromodichloromethane	U	18	1.0	5	18	2
10061-01-5	cis-1,3-dichloropropene	U	18	1.0	5	18	1
110-75-8	2-Chloroethylvinylether	U	18	1.0	5	18	3
108-88-3	Toluene	U	18	1.0	5	18	3
108-10-1	4-methyl-2-pentanone	U	90	1.0	25	90	15
127-18-4	Tetrachloroethene	U	18	1.0	5	18	4
10061-02-6	trans-1,3-Dichloropropene	U	18	1.0	5	18	2
124-48-1	Dibromochloromethane	U	18	1.0	5	18	2
142-28-9	1,3-Dichloropropane	U	18	1.0	5	18	1
106-93-4	1,2-Dibromoethane	U	18	1.0	5	18	2

Sample Data Summary A0000024

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 27-OCT-2005 00:30
Report Date: 10/28/2005
Matrix: SOIL
% Solids: 27.7

Lab ID: WV5606-5
Client ID: SD-40-SS
SDG: MID-7
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22077
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	90	1.0	25	90	15
108-90-7	Chlorobenzene	U	18	1.0	5	18	2
100-41-4	Ethylbenzene	U	18	1.0	5	18	3
630-20-6	1,1,1,2-Tetrachloroethane	U	18	1.0	5	18	2
1330-20-7	Xylenes (total)	U	54	1.0	15	54	7
	m+p-Xylenes	U	36	1.0	10	36	5
95-47-6	o-Xylene	U	18	1.0	5	18	2
100-42-5	Styrene	U	18	1.0	5	18	1
75-25-2	Bromoform	U	18	1.0	5	18	2
98-82-8	Isopropylbenzene	U	18	1.0	5	18	3
108-86-1	Bromobenzene	U	18	1.0	5	18	4
103-65-1	N-Propylbenzene	U	18	1.0	5	18	3
79-34-5	1,1,2,2-Tetrachloroethane	U	18	1.0	5	18	4
95-49-8	2-Chlorotoluene	U	18	1.0	5	18	2
96-18-4	1,2,3-Trichloropropane	U	18	1.0	5	18	3
106-43-4	4-Chlorotoluene	U	18	1.0	5	18	2
98-06-6	tert-Butylbenzene	U	18	1.0	5	18	2
95-63-6	1,2,4-Trimethylbenzene	U	18	1.0	5	18	2
99-87-6	P-Isopropyltoluene	U	18	1.0	5	18	2
541-73-1	1,3-Dichlorobenzene	U	18	1.0	5	18	1
106-46-7	1,4-Dichlorobenzene	U	18	1.0	5	18	0.9
104-51-8	N-Butylbenzene	U	18	1.0	5	18	2
135-98-8	sec-Butylbenzene	U	18	1.0	5	18	4
95-50-1	1,2-Dichlorobenzene	U	18	1.0	5	18	1
96-12-8	1,2-Dibromo-3-Chloropropane	U	18	1.0	5	18	3
87-68-3	Hexachlorobutadiene	U	18	1.0	5	18	3
120-82-1	1,2,4-Trichlorobenzene	U	18	1.0	5	18	3
526-73-8	1,2,3-Trimethylbenzene	U	18	1.0	5	18	1
91-20-3	Naphthalene	U	18	1.0	5	18	6
87-61-6	1,2,3-Trichlorobenzene	U	18	1.0	5	18	5
1868-53-7	Dibromofluoromethane		63%				
17060-07-0	1,2-Dichloroethane-D4		78%				
2037-26-5	Toluene-D8		74%				
460-00-4	P-Bromofluorobenzene		50%				

FORM I

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-40-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-7

Matrix: (soil/water) SOIL Lab Sample ID: WV5606-5

Sample wt/vol: 5.000(g/mL) G Lab File ID: M9830

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: not dec. 72 Date Analyzed: 10/27/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN ALKANE	14.90	20	J
2.					
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4.					
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FORM I VOA-TIC

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 27-OCT-2005 01:08
Report Date: 10/28/2005
Matrix: SOIL
% Solids: 38.1

Lab ID: WV5606-6
Client ID: SD-40-01
SDG: MID-7
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22077
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	26	1.0	10	26	5
74-87-3	Chloromethane	U	26	1.0	10	26	2
75-01-4	Vinyl chloride	U	26	1.0	10	26	5
74-83-9	Bromomethane	U	26	1.0	10	26	5
75-00-3	Chloroethane	U	26	1.0	10	26	4
75-69-4	Trichlorofluoromethane	U	26	1.0	10	26	5
75-65-0	Tertiary-butyl alcohol	U	26	1.0	10	26	18
75-35-4	1,1-Dichloroethene	U	13	1.0	5	13	3
75-15-0	Carbon Disulfide	U	13	1.0	5	13	4
76-13-1	Freon-113	U	13	1.0	5	13	4
75-09-2	Methylene Chloride	U	13	1.0	5	13	5
67-64-1	Acetone		200	1.0	25	66	11
156-60-5	trans-1,2-Dichloroethene	U	13	1.0	5	13	2
1634-04-4	Methyl tert-butyl ether	U	26	1.0	10	26	2
108-20-3	Di-isopropyl ether	U	13	1.0	5	13	0.9
75-34-3	1,1-Dichloroethane	U	13	1.0	5	13	3
637-92-3	Ethyl tertiary-butyl ether	U	13	1.0	5	13	0.7
108-05-4	Vinyl Acetate	U	13	1.0	5	13	0.6
156-59-2	cis-1,2-Dichloroethene	U	13	1.0	5	13	2
540-59-0	1,2-Dichloroethylene (total)	U	26	1.0	10	26	4
594-20-7	2,2-Dichloropropane	U	13	1.0	5	13	4
74-97-5	Bromochloromethane	U	13	1.0	5	13	3
67-66-3	Chloroform	U	13	1.0	5	13	2
56-23-5	Carbon Tetrachloride	U	13	1.0	5	13	8
71-55-6	1,1,1-Trichloroethane	U	13	1.0	5	13	3
563-58-6	1,1-Dichloropropene	U	13	1.0	5	13	3
78-93-3	2-Butanone	U	66	1.0	25	66	8
71-43-2	Benzene	U	13	1.0	5	13	2
994-05-8	Tertiary-amyl methyl ether	U	13	1.0	5	13	1
107-06-2	1,2-Dichloroethane	U	13	1.0	5	13	2
79-01-6	Trichloroethene	U	13	1.0	5	13	2
74-95-3	Dibromomethane	U	13	1.0	5	13	1
78-87-5	1,2-Dichloropropane	U	13	1.0	5	13	2
75-27-4	Bromodichloromethane	U	13	1.0	5	13	1
10061-01-5	cis-1,3-dichloropropene	U	13	1.0	5	13	0.9
110-75-8	2-Chloroethylvinylether	U	13	1.0	5	13	2
108-88-3	Toluene	U	13	1.0	5	13	2
108-10-1	4-methyl-2-pentanone	U	66	1.0	25	66	11
127-18-4	Tetrachloroethene	U	13	1.0	5	13	3
10061-02-6	trans-1,3-Dichloropropene	U	13	1.0	5	13	1
124-48-1	Dibromochloromethane	U	13	1.0	5	13	1
142-28-9	1,3-Dichloropropane	U	13	1.0	5	13	0.9
106-93-4	1,2-Dibromoethane	U	13	1.0	5	13	1

Sample Data Summary A0000027

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 27-OCT-2005 01:08
Report Date: 10/28/2005
Matrix: SOIL
% Solids: 38.1

Lab ID: WV5606-6
Client ID: SD-40-01
SDG: MID-7
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22077
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	66	1.0	25	66	11
108-90-7	Chlorobenzene	U	13	1.0	5	13	2
100-41-4	Ethylbenzene	U	13	1.0	5	13	2
630-20-6	1,1,1,2-Tetrachloroethane	U	13	1.0	5	13	1
1330-20-7	Xylenes (total)	U	39	1.0	15	39	5
	m+p-Xylenes	U	26	1.0	10	26	3
95-47-6	o-Xylene	U	13	1.0	5	13	2
100-42-5	Styrene	U	13	1.0	5	13	0.8
75-25-2	Bromoform	U	13	1.0	5	13	2
98-82-8	Isopropylbenzene	U	13	1.0	5	13	2
108-86-1	Bromobenzene	U	13	1.0	5	13	3
103-65-1	N-Propylbenzene	U	13	1.0	5	13	2
79-34-5	1,1,2,2-Tetrachloroethane	U	13	1.0	5	13	3
95-49-8	2-Chlorotoluene	U	13	1.0	5	13	2
96-18-4	1,2,3-Trichloropropane	U	13	1.0	5	13	2
106-43-4	4-Chlorotoluene	U	13	1.0	5	13	1
98-06-6	tert-Butylbenzene	U	13	1.0	5	13	2
95-63-6	1,2,4-Trimethylbenzene	U	13	1.0	5	13	1
99-87-6	P-Isopropyltoluene	U	13	1.0	5	13	2
541-73-1	1,3-Dichlorobenzene	U	13	1.0	5	13	0.9
106-46-7	1,4-Dichlorobenzene	U	13	1.0	5	13	0.7
104-51-8	N-Butylbenzene	U	13	1.0	5	13	2
135-98-8	sec-Butylbenzene	U	13	1.0	5	13	2
95-50-1	1,2-Dichlorobenzene	U	13	1.0	5	13	0.8
96-12-8	1,2-Dibromo-3-Chloropropane	U	13	1.0	5	13	2
87-68-3	Hexachlorobutadiene	U	13	1.0	5	13	2
120-82-1	1,2,4-Trichlorobenzene	U	13	1.0	5	13	2
526-73-8	1,2,3-Trimethylbenzene	U	13	1.0	5	13	0.9
91-20-3	Naphthalene	U	13	1.0	5	13	4
87-61-6	1,2,3-Trichlorobenzene	U	13	1.0	5	13	4
1868-53-7	Dibromofluoromethane		75%				
17060-07-0	1,2-Dichloroethane-D4		83%				
2037-26-5	Toluene-D8		83%				
460-00-4	P-Bromofluorobenzene		45%				

FORM I

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-40-01

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-7

Matrix: (soil/water) SOIL Lab Sample ID: WV5606-6

Sample wt/vol: 5.000(g/mL) G Lab File ID: M9831

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: not dec. 62 Date Analyzed: 10/27/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
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Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 27-OCT-2005 01:47
Report Date: 10/28/2005
Matrix: SOIL
% Solids: 37.6

Lab ID: WV5606-7
Client ID: SD-40-02
SDG: MID-7
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22077
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	27	1.0	10	27	5
74-87-3	Chloromethane	U	27	1.0	10	27	2
75-01-4	Vinyl chloride	U	27	1.0	10	27	5
74-83-9	Bromomethane	U	27	1.0	10	27	5
75-00-3	Chloroethane	U	27	1.0	10	27	4
75-69-4	Trichlorofluoromethane	U	27	1.0	10	27	5
75-65-0	Tertiary-butyl alcohol	U	27	1.0	10	27	18
75-35-4	1,1-Dichloroethene	U	13	1.0	5	13	3
75-15-0	Carbon Disulfide	J	5	1.0	5	13	4
76-13-1	Freon-113	U	13	1.0	5	13	4
75-09-2	Methylene Chloride	U	13	1.0	5	13	5
67-64-1	Acetone		240	1.0	25	66	11
156-60-5	trans-1,2-Dichloroethene	U	13	1.0	5	13	2
1634-04-4	Methyl tert-butyl ether	U	27	1.0	10	27	2
108-20-3	Di-isopropyl ether	U	13	1.0	5	13	1.0
75-34-3	1,1-Dichloroethane	U	13	1.0	5	13	3
637-92-3	Ethyl tertiary-butyl ether	U	13	1.0	5	13	0.7
108-05-4	Vinyl Acetate	U	13	1.0	5	13	0.6
156-59-2	cis-1,2-Dichloroethene	U	13	1.0	5	13	2
540-59-0	1,2-Dichloroethylene (total)	U	27	1.0	10	27	4
594-20-7	2,2-Dichloropropane	U	13	1.0	5	13	4
74-97-5	Bromochloromethane	U	13	1.0	5	13	3
67-66-3	Chloroform	U	13	1.0	5	13	2
56-23-5	Carbon Tetrachloride	U	13	1.0	5	13	8
71-55-6	1,1,1-Trichloroethane	U	13	1.0	5	13	4
563-58-6	1,1-Dichloropropene	U	13	1.0	5	13	4
78-93-3	2-Butanone	U	66	1.0	25	66	8
71-43-2	Benzene	U	13	1.0	5	13	2
994-05-8	Tertiary-amyl methyl ether	U	13	1.0	5	13	1
107-06-2	1,2-Dichloroethane	U	13	1.0	5	13	2
79-01-6	Trichloroethene	U	13	1.0	5	13	2
74-95-3	Dibromomethane	U	13	1.0	5	13	1
78-87-5	1,2-Dichloropropane	U	13	1.0	5	13	2
75-27-4	Bromodichloromethane	U	13	1.0	5	13	1
10061-01-5	cis-1,3-dichloropropene	U	13	1.0	5	13	0.9
110-75-8	2-Chloroethylvinylether	U	13	1.0	5	13	2
108-88-3	Toluene	U	13	1.0	5	13	2
108-10-1	4-methyl-2-pentanone	U	66	1.0	25	66	11
127-18-4	Tetrachloroethene	U	13	1.0	5	13	3
10061-02-6	trans-1,3-Dichloropropene	U	13	1.0	5	13	1
124-48-1	Dibromochloromethane	U	13	1.0	5	13	1
142-28-9	1,3-Dichloropropane	U	13	1.0	5	13	0.9
106-93-4	1,2-Dibromoethane	U	13	1.0	5	13	1

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 27-OCT-2005 01:47
Report Date: 10/28/2005
Matrix: SOIL
% Solids: 37.6

Lab ID: WV5606-7
Client ID: SD-40-02
SDG: MID-7
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22077
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	66	1.0	25	66	11
108-90-7	Chlorobenzene	U	13	1.0	5	13	2
100-41-4	Ethylbenzene	U	13	1.0	5	13	2
630-20-6	1,1,1,2-Tetrachloroethane	U	13	1.0	5	13	1
1330-20-7	Xylenes (total)	U	40	1.0	15	40	5
	m+p-Xylenes	U	27	1.0	10	27	3
95-47-6	o-Xylene	U	13	1.0	5	13	2
100-42-5	Styrene	U	13	1.0	5	13	0.8
75-25-2	Bromoform	U	13	1.0	5	13	2
98-82-8	Isopropylbenzene	U	13	1.0	5	13	2
108-86-1	Bromobenzene	U	13	1.0	5	13	3
103-65-1	N-Propylbenzene	U	13	1.0	5	13	2
79-34-5	1,1,2,2-Tetrachloroethane	U	13	1.0	5	13	3
95-49-8	2-Chlorotoluene	U	13	1.0	5	13	2
96-18-4	1,2,3-Trichloropropane	U	13	1.0	5	13	2
106-43-4	4-Chlorotoluene	U	13	1.0	5	13	1
98-06-6	tert-Butylbenzene	U	13	1.0	5	13	2
95-63-6	1,2,4-Trimethylbenzene	U	13	1.0	5	13	1
99-87-6	P-Isopropyltoluene	U	13	1.0	5	13	2
541-73-1	1,3-Dichlorobenzene	U	13	1.0	5	13	0.9
106-46-7	1,4-Dichlorobenzene	U	13	1.0	5	13	0.7
104-51-8	N-Butylbenzene	U	13	1.0	5	13	2
135-98-8	sec-Butylbenzene	U	13	1.0	5	13	3
95-50-1	1,2-Dichlorobenzene	U	13	1.0	5	13	0.8
96-12-8	1,2-Dibromo-3-Chloropropane	U	13	1.0	5	13	2
87-68-3	Hexachlorobutadiene	U	13	1.0	5	13	2
120-82-1	1,2,4-Trichlorobenzene	U	13	1.0	5	13	2
526-73-8	1,2,3-Trimethylbenzene	U	13	1.0	5	13	0.9
91-20-3	Naphthalene	U	13	1.0	5	13	4
87-61-6	1,2,3-Trichlorobenzene	U	13	1.0	5	13	4
1868-53-7	Dibromofluoromethane		68%				
17060-07-0	1,2-Dichloroethane-D4		78%				
2037-26-5	Toluene-D8		75%				
460-00-4	P-Bromofluorobenzene		50%				

Sample Data Summary A0000031

FORM I

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-40-02

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-7

Matrix: (soil/water) SOIL Lab Sample ID: WV5606-7

Sample wt/vol: 5.000(g/mL) G Lab File ID: M9832

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: not dec. 62 Date Analyzed: 10/27/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 10

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN ALKANE	13.82	20	J
2.		UNKNOWN	13.94	10	J
3.		UNKNOWN ALKANE	14.34	80	J
4.		UNKNOWN ALKANE	14.43	20	J
5.		UNKNOWN ALKANE	14.52	100	J
6.		UNKNOWN ALKANE	14.66	100	J
7.		UNKNOWN ALKANE	14.79	40	J
8.		UNKNOWN ALKANE	14.82	20	J
9.		UNKNOWN ORGANIC ACID	14.90	20	J
10.		UNKNOWN	15.63	10	J
11.					
12.					
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FORM I VOA-TIC

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 28-OCT-2005 00:12
Report Date: 10/28/2005
Matrix: SOIL
% Solids: 37.6

Lab ID: WV5606-7RA
Client ID: SD-40-02
SDG: MID-7
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22133
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	26	1.0	10	26	5
74-87-3	Chloromethane	U	26	1.0	10	26	2
75-01-4	Vinyl chloride	U	26	1.0	10	26	5
74-83-9	Bromomethane	U	26	1.0	10	26	5
75-00-3	Chloroethane	U	26	1.0	10	26	4
75-69-4	Trichlorofluoromethane	U	26	1.0	10	26	5
75-65-0	Tertiary-butyl alcohol	U	26	1.0	10	26	18
75-35-4	1,1-Dichloroethene	U	13	1.0	5	13	3
75-15-0	Carbon Disulfide	U	13	1.0	5	13	4
76-13-1	Freon-113	U	13	1.0	5	13	4
75-09-2	Methylene Chloride	U	13	1.0	5	13	5
67-64-1	Acetone	U	65	1.0	25	65	11
156-60-5	trans-1,2-Dichloroethene	U	13	1.0	5	13	2
1634-04-4	Methyl tert-butyl ether	U	26	1.0	10	26	2
108-20-3	Di-isopropyl ether	U	13	1.0	5	13	0.9
75-34-3	1,1-Dichloroethane	U	13	1.0	5	13	3
637-92-3	Ethyl tertiary-butyl ether	U	13	1.0	5	13	0.7
108-05-4	Vinyl Acetate	U	13	1.0	5	13	0.6
156-59-2	cis-1,2-Dichloroethene	U	13	1.0	5	13	2
540-59-0	1,2-Dichloroethylene (total)	U	26	1.0	10	26	4
594-20-7	2,2-Dichloropropane	U	13	1.0	5	13	4
74-97-5	Bromochloromethane	U	13	1.0	5	13	3
67-66-3	Chloroform	U	13	1.0	5	13	2
56-23-5	Carbon Tetrachloride	U	13	1.0	5	13	8
71-55-6	1,1,1-Trichloroethane	U	13	1.0	5	13	3
563-58-6	1,1-Dichloropropene	U	13	1.0	5	13	3
78-93-3	2-Butanone	U	65	1.0	25	65	8
71-43-2	Benzene	U	13	1.0	5	13	2
994-05-8	Tertiary-amyl methyl ether	U	13	1.0	5	13	1
107-06-2	1,2-Dichloroethane	U	13	1.0	5	13	2
79-01-6	Trichloroethene	U	13	1.0	5	13	2
74-95-3	Dibromomethane	U	13	1.0	5	13	1
78-87-5	1,2-Dichloropropane	U	13	1.0	5	13	2
75-27-4	Bromodichloromethane	U	13	1.0	5	13	1
10061-01-5	cis-1,3-dichloropropene	U	13	1.0	5	13	0.9
110-75-8	2-Chloroethylvinylether	U	13	1.0	5	13	2
108-88-3	Toluene	U	13	1.0	5	13	2
108-10-1	4-methyl-2-pentanone	U	65	1.0	25	65	11
127-18-4	Tetrachloroethene	U	13	1.0	5	13	3
10061-02-6	trans-1,3-Dichloropropene	U	13	1.0	5	13	1
124-48-1	Dibromochloromethane	U	13	1.0	5	13	1
142-28-9	1,3-Dichloropropane	U	13	1.0	5	13	0.9
106-93-4	1,2-Dibromoethane	U	13	1.0	5	13	1

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO NO:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 28-OCT-2005 00:12
Report Date: 10/28/2005
Matrix: SOIL
% Solids: 37.6

Lab ID: WV5606-7RA
Client ID: SD-40-02
SDG: MID-7
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22133
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	65	1.0	25	65	10
108-90-7	Chlorobenzene	U	13	1.0	5	13	2
100-41-4	Ethylbenzene	U	13	1.0	5	13	2
630-20-6	1,1,1,2-Tetrachloroethane	U	13	1.0	5	13	1
1330-20-7	Xylenes (total)	U	39	1.0	15	39	5
	m+p-Xylenes	U	26	1.0	10	26	3
95-47-6	o-Xylene	U	13	1.0	5	13	2
100-42-5	Styrene	U	13	1.0	5	13	0.8
75-25-2	Bromoform	U	13	1.0	5	13	2
98-82-8	Isopropylbenzene	U	13	1.0	5	13	2
108-86-1	Bromobenzene	U	13	1.0	5	13	3
103-65-1	N-Propylbenzene	U	13	1.0	5	13	2
79-34-5	1,1,2,2-Tetrachloroethane	U	13	1.0	5	13	3
95-49-8	2-Chlorotoluene	U	13	1.0	5	13	2
96-18-4	1,2,3-Trichloropropane	U	13	1.0	5	13	2
106-43-4	4-Chlorotoluene	U	13	1.0	5	13	1
98-06-6	tert-Butylbenzene	U	13	1.0	5	13	2
95-63-6	1,2,4-Trimethylbenzene	U	13	1.0	5	13	1
99-87-6	P-Isopropyltoluene	U	13	1.0	5	13	2
541-73-1	1,3-Dichlorobenzene	U	13	1.0	5	13	0.9
106-46-7	1,4-Dichlorobenzene	U	13	1.0	5	13	0.7
104-51-8	N-Butylbenzene	U	13	1.0	5	13	2
135-98-8	sec-Butylbenzene	U	13	1.0	5	13	2
95-50-1	1,2-Dichlorobenzene	U	13	1.0	5	13	0.8
96-12-8	1,2-Dibromo-3-Chloropropane	U	13	1.0	5	13	2
87-68-3	Hexachlorobutadiene	U	13	1.0	5	13	2
120-82-1	1,2,4-Trichlorobenzene	U	13	1.0	5	13	2
526-73-8	1,2,3-Trimethylbenzene	U	13	1.0	5	13	0.9
91-20-3	Naphthalene	U	13	1.0	5	13	4
87-61-6	1,2,3-Trichlorobenzene	U	13	1.0	5	13	4
1868-53-7	Dibromofluoromethane		* 44%				
17060-07-0	1,2-Dichloroethane-D4		* 50%				
2037-26-5	Toluene-D8		* 52%				
460-00-4	P-Bromofluorobenzene		38%				

FORM I

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-40-02

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-7

Matrix: (soil/water) SOIL Lab Sample ID: WV5606-7RA

Sample wt/vol: 5.100(g/mL) G Lab File ID: M9865

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: not dec. 62 Date Analyzed: 10/28/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
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Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 27-OCT-2005 02:25
Report Date: 10/28/2005
Matrix: SOIL
% Solids: 26.6

Lab ID: WV5606-8
Client ID: SD-41-SS
SDG: MID-7
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22077
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	38	1.0	10	38	7
74-87-3	Chloromethane	U	38	1.0	10	38	4
75-01-4	Vinyl chloride	U	38	1.0	10	38	7
74-83-9	Bromomethane	U	38	1.0	10	38	8
75-00-3	Chloroethane	U	38	1.0	10	38	6
75-69-4	Trichlorofluoromethane	U	38	1.0	10	38	7
75-65-0	Tertiary-butyl alcohol	U	38	1.0	10	38	26
75-35-4	1,1-Dichloroethene	U	19	1.0	5	19	4
75-15-0	Carbon Disulfide	U	19	1.0	5	19	6
76-13-1	Freon-113	U	19	1.0	5	19	6
75-09-2	Methylene Chloride	U	19	1.0	5	19	8
67-64-1	Acetone	J	65	1.0	25	94	16
156-60-5	trans-1,2-Dichloroethene	U	19	1.0	5	19	3
1634-04-4	Methyl tert-butyl ether	J	5	1.0	10	38	2
108-20-3	Di-isopropyl ether	U	19	1.0	5	19	1
75-34-3	1,1-Dichloroethane	U	19	1.0	5	19	4
637-92-3	Ethyl tertiary-butyl ether	U	19	1.0	5	19	1
108-05-4	Vinyl Acetate	U	19	1.0	5	19	0.9
156-59-2	cis-1,2-Dichloroethene	U	19	1.0	5	19	2
540-59-0	1,2-Dichloroethylene (total)	U	38	1.0	10	38	6
594-20-7	2,2-Dichloropropane	U	19	1.0	5	19	6
74-97-5	Bromochloromethane	U	19	1.0	5	19	4
67-66-3	Chloroform	U	19	1.0	5	19	3
56-23-5	Carbon Tetrachloride	U	19	1.0	5	19	11
71-55-6	1,1,1-Trichloroethane	U	19	1.0	5	19	5
563-58-6	1,1-Dichloropropene	U	19	1.0	5	19	5
78-93-3	2-Butanone	U	94	1.0	25	94	12
71-43-2	Benzene	U	19	1.0	5	19	3
994-05-8	Tertiary-amyl methyl ether	U	19	1.0	5	19	1
107-06-2	1,2-Dichloroethane	U	19	1.0	5	19	2
79-01-6	Trichloroethene	U	19	1.0	5	19	3
74-95-3	Dibromomethane	U	19	1.0	5	19	2
78-87-5	1,2-Dichloropropane	U	19	1.0	5	19	3
75-27-4	Bromodichloromethane	U	19	1.0	5	19	2
10061-01-5	cis-1,3-dichloropropene	U	19	1.0	5	19	1
110-75-8	2-Chloroethylvinylether	U	19	1.0	5	19	4
108-88-3	Toluene	U	19	1.0	5	19	3
108-10-1	4-methyl-2-pentanone	U	94	1.0	25	94	16
127-18-4	Tetrachloroethene	U	19	1.0	5	19	5
10061-02-6	trans-1,3-Dichloropropene	U	19	1.0	5	19	2
124-48-1	Dibromochloromethane	U	19	1.0	5	19	2
142-28-9	1,3-Dichloropropane	U	19	1.0	5	19	1
106-93-4	1,2-Dibromoethane	U	19	1.0	5	19	2

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 27-OCT-2005 02:25
Report Date: 10/28/2005
Matrix: SOIL
% Solids: 26.6

Lab ID: WV5606-8
Client ID: SD-41-SS
SDG: MID-7
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22077
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	94	1.0	25	94	15
108-90-7	Chlorobenzene	U	19	1.0	5	19	2
100-41-4	Ethylbenzene	U	19	1.0	5	19	3
630-20-6	1,1,1,2-Tetrachloroethane	U	19	1.0	5	19	2
1330-20-7	Xylenes (total)	U	56	1.0	15	56	7
	m+p-Xylenes	U	38	1.0	10	38	5
95-47-6	o-Xylene	U	19	1.0	5	19	2
100-42-5	Styrene	U	19	1.0	5	19	1
75-25-2	Bromoform	U	19	1.0	5	19	2
98-82-8	Isopropylbenzene	U	19	1.0	5	19	3
108-86-1	Bromobenzene	U	19	1.0	5	19	4
103-65-1	N-Propylbenzene	U	19	1.0	5	19	3
79-34-5	1,1,2,2-Tetrachloroethane	U	19	1.0	5	19	4
95-49-8	2-Chlorotoluene	U	19	1.0	5	19	2
96-18-4	1,2,3-Trichloropropane	U	19	1.0	5	19	3
106-43-4	4-Chlorotoluene	U	19	1.0	5	19	2
98-06-6	tert-Butylbenzene	U	19	1.0	5	19	2
95-63-6	1,2,4-Trimethylbenzene	U	19	1.0	5	19	2
99-87-6	P-Isopropyltoluene	U	19	1.0	5	19	2
541-73-1	1,3-Dichlorobenzene	U	19	1.0	5	19	1
106-46-7	1,4-Dichlorobenzene	U	19	1.0	5	19	1.0
104-51-8	N-Butylbenzene	U	19	1.0	5	19	2
135-98-8	sec-Butylbenzene	U	19	1.0	5	19	4
95-50-1	1,2-Dichlorobenzene	U	19	1.0	5	19	1
96-12-8	1,2-Dibromo-3-Chloropropane	U	19	1.0	5	19	3
87-68-3	Hexachlorobutadiene	U	19	1.0	5	19	3
120-82-1	1,2,4-Trichlorobenzene	U	19	1.0	5	19	3
526-73-8	1,2,3-Trimethylbenzene	U	19	1.0	5	19	1
91-20-3	Naphthalene	U	19	1.0	5	19	6
87-61-6	1,2,3-Trichlorobenzene	U	19	1.0	5	19	5
1868-53-7	Dibromofluoromethane		* 45%				
17060-07-0	1,2-Dichloroethane-D4		60%				
2037-26-5	Toluene-D8		* 58%				
460-00-4	P-Bromofluorobenzene		40%				

Sample Data Summary A0000037

FORM I

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-41-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-7

Matrix: (soil/water) SOIL Lab Sample ID: WV5606-8

Sample wt/vol: 5.000(g/mL) G Lab File ID: M9833

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: not dec. 73 Date Analyzed: 10/27/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
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FORM I VOA-TIC

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 28-OCT-2005 00:51
Report Date: 10/28/2005
Matrix: SOIL
% Solids: 26.6

Lab ID: WV5606-8RA
Client ID: SD-41-SS
SDG: MID-7
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22133
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	35	1.0	10	35	6
74-87-3	Chloromethane	U	35	1.0	10	35	3
75-01-4	Vinyl chloride	U	35	1.0	10	35	6
74-83-9	Bromomethane	U	35	1.0	10	35	7
75-00-3	Chloroethane	U	35	1.0	10	35	5
75-69-4	Trichlorofluoromethane	U	35	1.0	10	35	6
75-65-0	Tertiary-butyl alcohol	U	35	1.0	10	35	24
75-35-4	1,1-Dichloroethene	U	17	1.0	5	17	3
75-15-0	Carbon Disulfide	U	17	1.0	5	17	5
76-13-1	Freon-113	U	17	1.0	5	17	6
75-09-2	Methylene Chloride	U	17	1.0	5	17	7
67-64-1	Acetone	U	87	1.0	25	87	14
156-60-5	trans-1,2-Dichloroethene	U	17	1.0	5	17	3
1634-04-4	Methyl tert-butyl ether	J	8	1.0	10	35	2
108-20-3	Di-isopropyl ether	U	17	1.0	5	17	1
75-34-3	1,1-Dichloroethane	U	17	1.0	5	17	4
637-92-3	Ethyl tertiary-butyl ether	U	17	1.0	5	17	0.9
108-05-4	Vinyl Acetate	U	17	1.0	5	17	0.8
156-59-2	cis-1,2-Dichloroethene	U	17	1.0	5	17	2
540-59-0	1,2-Dichloroethylene (total)	U	35	1.0	10	35	6
594-20-7	2,2-Dichloropropane	U	17	1.0	5	17	5
74-97-5	Bromochloromethane	U	17	1.0	5	17	4
67-66-3	Chloroform	U	17	1.0	5	17	3
56-23-5	Carbon Tetrachloride	U	17	1.0	5	17	10
71-55-6	1,1,1-Trichloroethane	U	17	1.0	5	17	5
563-58-6	1,1-Dichloropropene	U	17	1.0	5	17	5
78-93-3	2-Butanone	U	87	1.0	25	87	11
71-43-2	Benzene	U	17	1.0	5	17	3
994-05-8	Tertiary-amyl methyl ether	U	17	1.0	5	17	1
107-06-2	1,2-Dichloroethane	U	17	1.0	5	17	2
79-01-6	Trichloroethene	U	17	1.0	5	17	3
74-95-3	Dibromomethane	U	17	1.0	5	17	2
78-87-5	1,2-Dichloropropane	U	17	1.0	5	17	2
75-27-4	Bromodichloromethane	U	17	1.0	5	17	2
10061-01-5	cis-1,3-dichloropropene	U	17	1.0	5	17	1
110-75-8	2-Chloroethylvinylether	U	17	1.0	5	17	3
108-88-3	Toluene	U	17	1.0	5	17	3
108-10-1	4-methyl-2-pentanone	U	87	1.0	25	87	15
127-18-4	Tetrachloroethene	U	17	1.0	5	17	4
10061-02-6	trans-1,3-Dichloropropene	U	17	1.0	5	17	2
124-48-1	Dibromochloromethane	U	17	1.0	5	17	2
142-28-9	1,3-Dichloropropane	U	17	1.0	5	17	1
106-93-4	1,2-Dibromoethane	U	17	1.0	5	17	2

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
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Extraction Date:
Analysis Date: 28-OCT-2005 00:51
Report Date: 10/28/2005
Matrix: SOIL
% Solids: 26.6

Lab ID: WV5606-8RA
Client ID: SD-41-SS
SDG: MID-7
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22133
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	87	1.0	25	87	14
108-90-7	Chlorobenzene	U	17	1.0	5	17	2
100-41-4	Ethylbenzene	U	17	1.0	5	17	3
630-20-6	1,1,1,2-Tetrachloroethane	U	17	1.0	5	17	2
1330-20-7	Xylenes (total)	U	52	1.0	15	52	6
	m+p-Xylenes	U	35	1.0	10	35	4
95-47-6	o-Xylene	U	17	1.0	5	17	2
100-42-5	Styrene	U	17	1.0	5	17	1
75-25-2	Bromoform	U	17	1.0	5	17	2
98-82-8	Isopropylbenzene	U	17	1.0	5	17	3
108-86-1	Bromobenzene	U	17	1.0	5	17	3
103-65-1	N-Propylbenzene	U	17	1.0	5	17	2
79-34-5	1,1,2,2-Tetrachloroethane	U	17	1.0	5	17	4
95-49-8	2-Chlorotoluene	U	17	1.0	5	17	2
96-18-4	1,2,3-Trichloropropane	U	17	1.0	5	17	3
106-43-4	4-Chlorotoluene	U	17	1.0	5	17	2
98-06-6	tert-Butylbenzene	U	17	1.0	5	17	2
95-63-6	1,2,4-Trimethylbenzene	U	17	1.0	5	17	2
99-87-6	P-Isopropyltoluene	U	17	1.0	5	17	2
541-73-1	1,3-Dichlorobenzene	U	17	1.0	5	17	1
106-46-7	1,4-Dichlorobenzene	U	17	1.0	5	17	0.9
104-51-8	N-Butylbenzene	U	17	1.0	5	17	2
135-98-8	sec-Butylbenzene	U	17	1.0	5	17	3
95-50-1	1,2-Dichlorobenzene	U	17	1.0	5	17	1
96-12-8	1,2-Dibromo-3-Chloropropane	U	17	1.0	5	17	3
87-68-3	Hexachlorobutadiene	U	17	1.0	5	17	3
120-82-1	1,2,4-Trichlorobenzene	U	17	1.0	5	17	3
526-73-8	1,2,3-Trimethylbenzene	U	17	1.0	5	17	1
91-20-3	Naphthalene	U	17	1.0	5	17	5
87-61-6	1,2,3-Trichlorobenzene	U	17	1.0	5	17	5
1868-53-7	Dibromofluoromethane		* 28%				
17060-07-0	1,2-Dichloroethane-D4		60%				
2037-26-5	Toluene-D8		* 59%				
460-00-4	P-Bromofluorobenzene		41%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-41-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-7

Matrix: (soil/water) SOIL Lab Sample ID: WV5606-8RA

Sample wt/vol: 5.400(g/mL) G Lab File ID: M9866

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: not dec. 73 Date Analyzed: 10/28/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
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FORM I VOA-TIC

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 27-OCT-2005 03:03
Report Date: 10/28/2005
Matrix: SOIL
% Solids: 39.6

Lab ID: WV5606-9
Client ID: SD-42-SS
SDG: MID-7
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22077
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	25	1.0	10	25	5
74-87-3	Chloromethane	U	25	1.0	10	25	2
75-01-4	Vinyl chloride	U	25	1.0	10	25	4
74-83-9	Bromomethane	U	25	1.0	10	25	5
75-00-3	Chloroethane	U	25	1.0	10	25	4
75-69-4	Trichlorofluoromethane	U	25	1.0	10	25	4
75-65-0	Tertiary-butyl alcohol	U	25	1.0	10	25	18
75-35-4	1,1-Dichloroethene	U	13	1.0	5	13	2
75-15-0	Carbon Disulfide	U	13	1.0	5	13	4
76-13-1	Freon-113	U	13	1.0	5	13	4
75-09-2	Methylene Chloride	U	13	1.0	5	13	5
67-64-1	Acetone	J	59	1.0	25	63	10
156-60-5	trans-1,2-Dichloroethene	U	13	1.0	5	13	2
1634-04-4	Methyl tert-butyl ether	J	4	1.0	10	25	2
108-20-3	Di-isopropyl ether	U	13	1.0	5	13	0.9
75-34-3	1,1-Dichloroethane	U	13	1.0	5	13	3
637-92-3	Ethyl tertiary-butyl ether	U	13	1.0	5	13	0.7
108-05-4	Vinyl Acetate	U	13	1.0	5	13	0.6
156-59-2	cis-1,2-Dichloroethene	U	13	1.0	5	13	2
540-59-0	1,2-Dichloroethylene (total)	U	25	1.0	10	25	4
594-20-7	2,2-Dichloropropane	U	13	1.0	5	13	4
74-97-5	Bromochloromethane	U	13	1.0	5	13	3
67-66-3	Chloroform	U	13	1.0	5	13	2
56-23-5	Carbon Tetrachloride	U	13	1.0	5	13	8
71-55-6	1,1,1-Trichloroethane	U	13	1.0	5	13	3
563-58-6	1,1-Dichloropropene	U	13	1.0	5	13	3
78-93-3	2-Butanone	U	63	1.0	25	63	8
71-43-2	Benzene	U	13	1.0	5	13	2
994-05-8	Tertiary-amyl methyl ether	U	13	1.0	5	13	1.0
107-06-2	1,2-Dichloroethane	U	13	1.0	5	13	1
79-01-6	Trichloroethene	U	13	1.0	5	13	2
74-95-3	Dibromomethane	U	13	1.0	5	13	1
78-87-5	1,2-Dichloropropane	U	13	1.0	5	13	2
75-27-4	Bromodichloromethane	U	13	1.0	5	13	1
10061-01-5	cis-1,3-dichloropropene	U	13	1.0	5	13	0.8
110-75-8	2-Chloroethylvinylether	U	13	1.0	5	13	2
108-88-3	Toluene	J	3	1.0	5	13	2
108-10-1	4-methyl-2-pentanone	U	63	1.0	25	63	11
127-18-4	Tetrachloroethene	U	13	1.0	5	13	3
10061-02-6	trans-1,3-Dichloropropene	U	13	1.0	5	13	1
124-48-1	Dibromochloromethane	U	13	1.0	5	13	1
142-28-9	1,3-Dichloropropane	U	13	1.0	5	13	0.8
106-93-4	1,2-Dibromoethane	U	13	1.0	5	13	1

Sample Data Summary A0000042

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 27-OCT-2005 03:03
Report Date: 10/28/2005
Matrix: SOIL
% Solids: 39.6

Lab ID: WV5606-9
Client ID: SD-42-SS
SDG: MID-7
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22077
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	63	1.0	25	63	10
108-90-7	Chlorobenzene	U	13	1.0	5	13	2
100-41-4	Ethylbenzene	U	13	1.0	5	13	2
630-20-6	1,1,1,2-Tetrachloroethane	U	13	1.0	5	13	1
1330-20-7	Xylenes (total)	U	38	1.0	15	38	5
	m+p-Xylenes	U	25	1.0	10	25	3
95-47-6	o-Xylene	U	13	1.0	5	13	2
100-42-5	Styrene	U	13	1.0	5	13	0.8
75-25-2	Bromoform	U	13	1.0	5	13	2
98-82-8	Isopropylbenzene	U	13	1.0	5	13	2
108-86-1	Bromobenzene	U	13	1.0	5	13	2
103-65-1	N-Propylbenzene	U	13	1.0	5	13	2
79-34-5	1,1,2,2-Tetrachloroethane	U	13	1.0	5	13	3
95-49-8	2-Chlorotoluene	U	13	1.0	5	13	2
96-18-4	1,2,3-Trichloropropane	U	13	1.0	5	13	2
106-43-4	4-Chlorotoluene	U	13	1.0	5	13	1
98-06-6	tert-Butylbenzene	U	13	1.0	5	13	2
95-63-6	1,2,4-Trimethylbenzene	U	13	1.0	5	13	1
99-87-6	P-Isopropyltoluene	U	13	1.0	5	13	2
541-73-1	1,3-Dichlorobenzene	U	13	1.0	5	13	0.8
106-46-7	1,4-Dichlorobenzene	U	13	1.0	5	13	0.6
104-51-8	N-Butylbenzene	U	13	1.0	5	13	2
135-98-8	sec-Butylbenzene	U	13	1.0	5	13	2
95-50-1	1,2-Dichlorobenzene	U	13	1.0	5	13	0.7
96-12-8	1,2-Dibromo-3-Chloropropane	U	13	1.0	5	13	2
87-68-3	Hexachlorobutadiene	U	13	1.0	5	13	2
120-82-1	1,2,4-Trichlorobenzene	U	13	1.0	5	13	2
526-73-8	1,2,3-Trimethylbenzene	U	13	1.0	5	13	0.8
91-20-3	Naphthalene	U	13	1.0	5	13	4
87-61-6	1,2,3-Trichlorobenzene	U	13	1.0	5	13	4
1868-53-7	Dibromofluoromethane		57%				
17060-07-0	1,2-Dichloroethane-D4		84%				
2037-26-5	Toluene-D8		78%				
460-00-4	P-Bromofluorobenzene		42%				

FORM I

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-42-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-7

Matrix: (soil/water) SOIL Lab Sample ID: WV5606-9

Sample wt/vol: 5.000(g/mL) G Lab File ID: M9834

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: not dec. 60 Date Analyzed: 10/27/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	13.94	10	J
2.					
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FORM I VOA-TIC

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 28-OCT-2005 01:30
Report Date: 10/28/2005
Matrix: SOIL
% Solids: 39.6

Lab ID: WV5606-9RA
Client ID: SD-42-SS
SDG: MID-7
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22133
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	24	1.0	10	24	4
74-87-3	Chloromethane	U	24	1.0	10	24	2
75-01-4	Vinyl chloride	U	24	1.0	10	24	4
74-83-9	Bromomethane	U	24	1.0	10	24	5
75-00-3	Chloroethane	U	24	1.0	10	24	4
75-69-4	Trichlorofluoromethane	U	24	1.0	10	24	4
75-65-0	Tertiary-butyl alcohol	U	24	1.0	10	24	16
75-35-4	1,1-Dichloroethene	U	12	1.0	5	12	2
75-15-0	Carbon Disulfide	U	12	1.0	5	12	4
76-13-1	Freon-113	U	12	1.0	5	12	4
75-09-2	Methylene Chloride	U	12	1.0	5	12	5
67-64-1	Acetone	U	60	1.0	25	60	10
156-60-5	trans-1,2-Dichloroethene	U	12	1.0	5	12	2
1634-04-4	Methyl tert-butyl ether	J	2	1.0	10	24	2
108-20-3	Di-isopropyl ether	U	12	1.0	5	12	0.8
75-34-3	1,1-Dichloroethane	U	12	1.0	5	12	2
637-92-3	Ethyl tertiary-butyl ether	U	12	1.0	5	12	0.6
108-05-4	Vinyl Acetate	U	12	1.0	5	12	0.6
156-59-2	cis-1,2-Dichloroethene	U	12	1.0	5	12	2
540-59-0	1,2-Dichloroethylene (total)	U	24	1.0	10	24	4
594-20-7	2,2-Dichloropropane	U	12	1.0	5	12	4
74-97-5	Bromochloromethane	U	12	1.0	5	12	3
67-66-3	Chloroform	U	12	1.0	5	12	2
56-23-5	Carbon Tetrachloride	U	12	1.0	5	12	7
71-55-6	1,1,1-Trichloroethane	U	12	1.0	5	12	3
563-58-6	1,1-Dichloropropene	U	12	1.0	5	12	3
78-93-3	2-Butanone	U	60	1.0	25	60	8
71-43-2	Benzene	U	12	1.0	5	12	2
994-05-8	Tertiary-amyl methyl ether	U	12	1.0	5	12	0.9
107-06-2	1,2-Dichloroethane	U	12	1.0	5	12	1
79-01-6	Trichloroethene	U	12	1.0	5	12	2
74-95-3	Dibromomethane	U	12	1.0	5	12	1
78-87-5	1,2-Dichloropropane	U	12	1.0	5	12	2
75-27-4	Bromodichloromethane	U	12	1.0	5	12	1
10061-01-5	cis-1,3-dichloropropene	U	12	1.0	5	12	0.8
110-75-8	2-Chloroethylvinylether	U	12	1.0	5	12	2
108-88-3	Toluene	U	12	1.0	5	12	2
108-10-1	4-methyl-2-pentanone	U	60	1.0	25	60	10
127-18-4	Tetrachloroethene	U	12	1.0	5	12	3
10061-02-6	trans-1,3-Dichloropropene	U	12	1.0	5	12	1
124-48-1	Dibromochloromethane	U	12	1.0	5	12	1
142-28-9	1,3-Dichloropropane	U	12	1.0	5	12	0.8
106-93-4	1,2-Dibromoethane	U	12	1.0	5	12	1

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 28-OCT-2005 01:30
Report Date: 10/28/2005
Matrix: SOIL
% Solids: 39.6

Lab ID: WV5606-9RA
Client ID: SD-42-SS
SDG: MID-7
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22133
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	60	1.0	25	60	10
108-90-7	Chlorobenzene	U	12	1.0	5	12	2
100-41-4	Ethylbenzene	U	12	1.0	5	12	2
630-20-6	1,1,1,2-Tetrachloroethane	U	12	1.0	5	12	1
1330-20-7	Xylenes (total)	U	36	1.0	15	36	4
	m+p-Xylenes	U	24	1.0	10	24	3
95-47-6	o-Xylene	U	12	1.0	5	12	2
100-42-5	Styrene	U	12	1.0	5	12	0.8
75-25-2	Bromoform	U	12	1.0	5	12	1
98-82-8	Isopropylbenzene	U	12	1.0	5	12	2
108-86-1	Bromobenzene	U	12	1.0	5	12	2
103-65-1	N-Propylbenzene	U	12	1.0	5	12	2
79-34-5	1,1,2,2-Tetrachloroethane	U	12	1.0	5	12	3
95-49-8	2-Chlorotoluene	U	12	1.0	5	12	2
96-18-4	1,2,3-Trichloropropane	U	12	1.0	5	12	2
106-43-4	4-Chlorotoluene	U	12	1.0	5	12	1
98-06-6	tert-Butylbenzene	U	12	1.0	5	12	2
95-63-6	1,2,4-Trimethylbenzene	U	12	1.0	5	12	1
99-87-6	P-Isopropyltoluene	U	12	1.0	5	12	2
541-73-1	1,3-Dichlorobenzene	U	12	1.0	5	12	0.8
106-46-7	1,4-Dichlorobenzene	U	12	1.0	5	12	0.6
104-51-8	N-Butylbenzene	U	12	1.0	5	12	2
135-98-8	sec-Butylbenzene	U	12	1.0	5	12	2
95-50-1	1,2-Dichlorobenzene	U	12	1.0	5	12	0.7
96-12-8	1,2-Dibromo-3-Chloropropane	U	12	1.0	5	12	2
87-68-3	Hexachlorobutadiene	U	12	1.0	5	12	2
120-82-1	1,2,4-Trichlorobenzene	U	12	1.0	5	12	2
526-73-8	1,2,3-Trimethylbenzene	U	12	1.0	5	12	0.8
91-20-3	Naphthalene	U	12	1.0	5	12	4
87-61-6	1,2,3-Trichlorobenzene	U	12	1.0	5	12	3
1868-53-7	Dibromofluoromethane		* 49%				
17060-07-0	1,2-Dichloroethane-D4		57%				
2037-26-5	Toluene-D8		* 50%				
460-00-4	P-Bromofluorobenzene		* 30%				

FORM I

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-42-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-7

Matrix: (soil/water) SOIL Lab Sample ID: WV5606-9RA

Sample wt/vol: 5.300(g/mL) G Lab File ID: M9867

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: not dec. 60 Date Analyzed: 10/28/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
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FORM I VOA-TIC

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 27-OCT-2005 03:42
Report Date: 10/28/2005
Matrix: SOIL
% Solids: 53.2

Lab ID: WV5606-10
Client ID: SD-42-01
SDG: MID-7
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22077
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	19	1.0	10	19	3
74-87-3	Chloromethane	U	19	1.0	10	19	2
75-01-4	Vinyl chloride	U	19	1.0	10	19	3
74-83-9	Bromomethane	U	19	1.0	10	19	4
75-00-3	Chloroethane	U	19	1.0	10	19	3
75-69-4	Trichlorofluoromethane	U	19	1.0	10	19	3
75-65-0	Tertiary-butyl alcohol	U	19	1.0	10	19	13
75-35-4	1,1-Dichloroethene	U	9	1.0	5	9	2
75-15-0	Carbon Disulfide	J	5	1.0	5	9	3
76-13-1	Freon-113	U	9	1.0	5	9	3
75-09-2	Methylene Chloride	U	9	1.0	5	9	4
67-64-1	Acetone	J	36	1.0	25	47	8
156-60-5	trans-1,2-Dichloroethene	U	9	1.0	5	9	2
1634-04-4	Methyl tert-butyl ether	J	3	1.0	10	19	1
108-20-3	Di-isopropyl ether	U	9	1.0	5	9	0.7
75-34-3	1,1-Dichloroethane	U	9	1.0	5	9	2
637-92-3	Ethyl tertiary-butyl ether	U	9	1.0	5	9	0.5
108-05-4	Vinyl Acetate	U	9	1.0	5	9	0.4
156-59-2	cis-1,2-Dichloroethene	U	9	1.0	5	9	1
540-59-0	1,2-Dichloroethylene (total)	U	19	1.0	10	19	3
594-20-7	2,2-Dichloropropane	U	9	1.0	5	9	3
74-97-5	Bromochloromethane	U	9	1.0	5	9	2
67-66-3	Chloroform	U	9	1.0	5	9	2
56-23-5	Carbon Tetrachloride	U	9	1.0	5	9	6
71-55-6	1,1,1-Trichloroethane	U	9	1.0	5	9	2
563-58-6	1,1-Dichloropropene	U	9	1.0	5	9	2
78-93-3	2-Butanone	U	47	1.0	25	47	6
71-43-2	Benzene	U	9	1.0	5	9	2
994-05-8	Tertiary-amyl methyl ether	U	9	1.0	5	9	0.7
107-06-2	1,2-Dichloroethane	U	9	1.0	5	9	1
79-01-6	Trichloroethene	U	9	1.0	5	9	1
74-95-3	Dibromomethane	U	9	1.0	5	9	0.9
78-87-5	1,2-Dichloropropane	U	9	1.0	5	9	1
75-27-4	Bromodichloromethane	U	9	1.0	5	9	1.0
10061-01-5	cis-1,3-dichloropropene	U	9	1.0	5	9	0.6
110-75-8	2-Chloroethylvinylether	U	9	1.0	5	9	2
108-88-3	Toluene	U	9	1.0	5	9	2
108-10-1	4-methyl-2-pentanone	U	47	1.0	25	47	8
127-18-4	Tetrachloroethene	U	9	1.0	5	9	2
10061-02-6	trans-1,3-Dichloropropene	U	9	1.0	5	9	1
124-48-1	Dibromochloromethane	U	9	1.0	5	9	1.0
142-28-9	1,3-Dichloropropane	U	9	1.0	5	9	0.6
106-93-4	1,2-Dibromoethane	U	9	1.0	5	9	0.9

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 27-OCT-2005 03:42
Report Date: 10/28/2005
Matrix: SOIL
% Solids: 53.2

Lab ID: WV5606-10
Client ID: SD-42-01
SDG: MID-7
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22077
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	47	1.0	25	47	8
108-90-7	Chlorobenzene	U	9	1.0	5	9	1
100-41-4	Ethylbenzene	U	9	1.0	5	9	1
630-20-6	1,1,1,2-Tetrachloroethane	U	9	1.0	5	9	1.0
1330-20-7	Xylenes (total)	U	28	1.0	15	28	4
	m+p-Xylenes	U	19	1.0	10	19	2
95-47-6	o-Xylene	U	9	1.0	5	9	1
100-42-5	Styrene	U	9	1.0	5	9	0.6
75-25-2	Bromoform	U	9	1.0	5	9	1
98-82-8	Isopropylbenzene	U	9	1.0	5	9	1
108-86-1	Bromobenzene	U	9	1.0	5	9	2
103-65-1	N-Propylbenzene	U	9	1.0	5	9	1
79-34-5	1,1,2,2-Tetrachloroethane	U	9	1.0	5	9	2
95-49-8	2-Chlorotoluene	U	9	1.0	5	9	1
96-18-4	1,2,3-Trichloropropane	U	9	1.0	5	9	1
106-43-4	4-Chlorotoluene	U	9	1.0	5	9	0.9
98-06-6	tert-Butylbenzene	U	9	1.0	5	9	1
95-63-6	1,2,4-Trimethylbenzene	U	9	1.0	5	9	1
99-87-6	P-Isopropyltoluene	U	9	1.0	5	9	1
541-73-1	1,3-Dichlorobenzene	U	9	1.0	5	9	0.6
106-46-7	1,4-Dichlorobenzene	U	9	1.0	5	9	0.5
104-51-8	N-Butylbenzene	U	9	1.0	5	9	1
135-98-8	sec-Butylbenzene	U	9	1.0	5	9	2
95-50-1	1,2-Dichlorobenzene	U	9	1.0	5	9	0.5
96-12-8	1,2-Dibromo-3-Chloropropane	U	9	1.0	5	9	2
87-68-3	Hexachlorobutadiene	U	9	1.0	5	9	1
120-82-1	1,2,4-Trichlorobenzene	U	9	1.0	5	9	2
526-73-8	1,2,3-Trimethylbenzene	U	9	1.0	5	9	0.6
91-20-3	Naphthalene	U	9	1.0	5	9	3
87-61-6	1,2,3-Trichlorobenzene	U	9	1.0	5	9	3
1868-53-7	Dibromofluoromethane		72%				
17060-07-0	1,2-Dichloroethane-D4		85%				
2037-26-5	Toluene-D8		78%				
460-00-4	P-Bromofluorobenzene		51%				

FORM I

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-42-01

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-7

Matrix: (soil/water) SOIL Lab Sample ID: WV5606-10

Sample wt/vol: 5.000(g/mL) G Lab File ID: M9835

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: not dec. 47 Date Analyzed: 10/27/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 4

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	556-67-2	CYCLOTETRASILOXANE, OCTAMETH	13.94	10	NJ
2.		UNKNOWN ALKANE	14.52	10	J
3.		UNKNOWN ALKANE	14.66	10	J
4.		UNKNOWN ALKANE	14.90	10	J
5.					
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FORM I VOA-TIC

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 28-OCT-2005 02:08
Report Date: 10/28/2005
Matrix: SOIL
% Solids: 53.2

Lab ID: WV5606-10RA
Client ID: SD-42-01
SDG: MID-7
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22133
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	18	1.0	10	18	3
74-87-3	Chloromethane	U	18	1.0	10	18	2
75-01-4	Vinyl chloride	U	18	1.0	10	18	3
74-83-9	Bromomethane	U	18	1.0	10	18	4
75-00-3	Chloroethane	U	18	1.0	10	18	3
75-69-4	Trichlorofluoromethane	U	18	1.0	10	18	3
75-65-0	Tertiary-butyl alcohol	U	18	1.0	10	18	13
75-35-4	1,1-Dichloroethene	U	9	1.0	5	9	2
75-15-0	Carbon Disulfide	J	3	1.0	5	9	3
76-13-1	Freon-113	U	9	1.0	5	9	3
75-09-2	Methylene Chloride	U	9	1.0	5	9	4
67-64-1	Acetone	J	39	1.0	25	46	8
156-60-5	trans-1,2-Dichloroethene	U	9	1.0	5	9	2
1634-04-4	Methyl tert-butyl ether	J	2	1.0	10	18	1
108-20-3	Di-isopropyl ether	U	9	1.0	5	9	0.7
75-34-3	1,1-Dichloroethane	U	9	1.0	5	9	2
637-92-3	Ethyl tertiary-butyl ether	U	9	1.0	5	9	0.5
108-05-4	Vinyl Acetate	U	9	1.0	5	9	0.4
156-59-2	cis-1,2-Dichloroethene	U	9	1.0	5	9	1
540-59-0	1,2-Dichloroethylene (total)	U	18	1.0	10	18	3
594-20-7	2,2-Dichloropropane	U	9	1.0	5	9	3
74-97-5	Bromochloromethane	U	9	1.0	5	9	2
67-66-3	Chloroform	U	9	1.0	5	9	2
56-23-5	Carbon Tetrachloride	U	9	1.0	5	9	6
71-55-6	1,1,1-Trichloroethane	U	9	1.0	5	9	2
563-58-6	1,1-Dichloropropene	U	9	1.0	5	9	2
78-93-3	2-Butanone	U	46	1.0	25	46	6
71-43-2	Benzene	U	9	1.0	5	9	2
994-05-8	Tertiary-amyl methyl ether	U	9	1.0	5	9	0.7
107-06-2	1,2-Dichloroethane	U	9	1.0	5	9	1
79-01-6	Trichloroethene	U	9	1.0	5	9	1
74-95-3	Dibromomethane	U	9	1.0	5	9	0.8
78-87-5	1,2-Dichloropropane	U	9	1.0	5	9	1
75-27-4	Bromodichloromethane	U	9	1.0	5	9	1.0
10061-01-5	cis-1,3-dichloropropene	U	9	1.0	5	9	0.6
110-75-8	2-Chloroethylvinylether	U	9	1.0	5	9	2
108-88-3	Toluene	U	9	1.0	5	9	2
108-10-1	4-methyl-2-pentanone	U	46	1.0	25	46	8
127-18-4	Tetrachloroethene	U	9	1.0	5	9	2
10061-02-6	trans-1,3-Dichloropropene	U	9	1.0	5	9	1
124-48-1	Dibromochloromethane	U	9	1.0	5	9	1.0
142-28-9	1,3-Dichloropropane	U	9	1.0	5	9	0.6
106-93-4	1,2-Dibromoethane	U	9	1.0	5	9	0.8

Sample Data Summary A0000051

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 28-OCT-2005 02:08
Report Date: 10/28/2005
Matrix: SOIL
% Solids: 53.2

Lab ID: WV5606-10RA
Client ID: SD-42-01
SDG: MID-7
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22133
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	46	1.0	25	46	7
108-90-7	Chlorobenzene	U	9	1.0	5	9	1
100-41-4	Ethylbenzene	U	9	1.0	5	9	1
630-20-6	1,1,1,2-Tetrachloroethane	U	9	1.0	5	9	1.0
1330-20-7	Xylenes (total)	U	28	1.0	15	28	3
	m+p-Xylenes	U	18	1.0	10	18	2
95-47-6	o-Xylene	U	9	1.0	5	9	1
100-42-5	Styrene	U	9	1.0	5	9	0.6
75-25-2	Bromoform	U	9	1.0	5	9	1
98-82-8	Isopropylbenzene	U	9	1.0	5	9	1
108-86-1	Bromobenzene	U	9	1.0	5	9	2
103-65-1	N-Propylbenzene	U	9	1.0	5	9	1
79-34-5	1,1,2,2-Tetrachloroethane	U	9	1.0	5	9	2
95-49-8	2-Chlorotoluene	U	9	1.0	5	9	1
96-18-4	1,2,3-Trichloropropane	U	9	1.0	5	9	1
106-43-4	4-Chlorotoluene	U	9	1.0	5	9	0.9
98-06-6	tert-Butylbenzene	U	9	1.0	5	9	1
95-63-6	1,2,4-Trimethylbenzene	U	9	1.0	5	9	1
99-87-6	P-Isopropyltoluene	U	9	1.0	5	9	1
541-73-1	1,3-Dichlorobenzene	U	9	1.0	5	9	0.6
106-46-7	1,4-Dichlorobenzene	U	9	1.0	5	9	0.5
104-51-8	N-Butylbenzene	U	9	1.0	5	9	1
135-98-8	sec-Butylbenzene	U	9	1.0	5	9	2
95-50-1	1,2-Dichlorobenzene	U	9	1.0	5	9	0.5
96-12-8	1,2-Dibromo-3-Chloropropane	U	9	1.0	5	9	1
87-68-3	Hexachlorobutadiene	U	9	1.0	5	9	1
120-82-1	1,2,4-Trichlorobenzene	U	9	1.0	5	9	2
526-73-8	1,2,3-Trimethylbenzene	U	9	1.0	5	9	0.6
91-20-3	Naphthalene	U	9	1.0	5	9	3
87-61-6	1,2,3-Trichlorobenzene	U	9	1.0	5	9	3
1868-53-7	Dibromofluoromethane		* 42%				
17060-07-0	1,2-Dichloroethane-D4		64%				
2037-26-5	Toluene-D8		72%				
460-00-4	P-Bromofluorobenzene		47%				

FORM I

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-42-01

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-7

Matrix: (soil/water) SOIL Lab Sample ID: WV5606-10RA

Sample wt/vol: 5.100(g/mL) G Lab File ID: M9868

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: not dec. 47 Date Analyzed: 10/28/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	13.93	10	J
2.		UNKNOWN ALKANE	14.66	10	J
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
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22.					
23.					
24.					
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27.					
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FORM I VOA-TIC

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 27-OCT-2005 04:20
Report Date: 10/28/2005
Matrix: SOIL
% Solids: 40.0

Lab ID: WV5606-11
Client ID: SD-42-02
SDG: MID-7
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22077
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	25	1.0	10	25	5
74-87-3	Chloromethane	U	25	1.0	10	25	2
75-01-4	Vinyl chloride	U	25	1.0	10	25	4
74-83-9	Bromomethane	U	25	1.0	10	25	5
75-00-3	Chloroethane	U	25	1.0	10	25	4
75-69-4	Trichlorofluoromethane	U	25	1.0	10	25	4
75-65-0	Tertiary-butyl alcohol	U	25	1.0	10	25	17
75-35-4	1,1-Dichloroethene	U	12	1.0	5	12	2
75-15-0	Carbon Disulfide	J	8	1.0	5	12	4
76-13-1	Freon-113	U	12	1.0	5	12	4
75-09-2	Methylene Chloride	U	12	1.0	5	12	5
67-64-1	Acetone		120	1.0	25	62	10
156-60-5	trans-1,2-Dichloroethene	U	12	1.0	5	12	2
1634-04-4	Methyl tert-butyl ether	U	25	1.0	10	25	2
108-20-3	Di-isopropyl ether	U	12	1.0	5	12	0.9
75-34-3	1,1-Dichloroethane	U	12	1.0	5	12	3
637-92-3	Ethyl tertiary-butyl ether	U	12	1.0	5	12	0.7
108-05-4	Vinyl Acetate	U	12	1.0	5	12	0.6
156-59-2	cis-1,2-Dichloroethene	U	12	1.0	5	12	2
540-59-0	1,2-Dichloroethylene (total)	U	25	1.0	10	25	4
594-20-7	2,2-Dichloropropane	U	12	1.0	5	12	4
74-97-5	Bromochloromethane	U	12	1.0	5	12	3
67-66-3	Chloroform	U	12	1.0	5	12	2
56-23-5	Carbon Tetrachloride	U	12	1.0	5	12	8
71-55-6	1,1,1-Trichloroethane	U	12	1.0	5	12	3
563-58-6	1,1-Dichloropropene	U	12	1.0	5	12	3
78-93-3	2-Butanone	U	62	1.0	25	62	8
71-43-2	Benzene	U	12	1.0	5	12	2
994-05-8	Tertiary-amyl methyl ether	U	12	1.0	5	12	1.0
107-06-2	1,2-Dichloroethane	U	12	1.0	5	12	1
79-01-6	Trichloroethene	U	12	1.0	5	12	2
74-95-3	Dibromomethane	U	12	1.0	5	12	1
78-87-5	1,2-Dichloropropane	U	12	1.0	5	12	2
75-27-4	Bromodichloromethane	U	12	1.0	5	12	1
10061-01-5	cis-1,3-dichloropropene	U	12	1.0	5	12	0.8
110-75-8	2-Chloroethylvinylether	U	12	1.0	5	12	2
108-88-3	Toluene	U	12	1.0	5	12	2
108-10-1	4-methyl-2-pentanone	U	62	1.0	25	62	10
127-18-4	Tetrachloroethene	U	12	1.0	5	12	3
10061-02-6	trans-1,3-Dichloropropene	U	12	1.0	5	12	1
124-48-1	Dibromochloromethane	U	12	1.0	5	12	1
142-28-9	1,3-Dichloropropane	U	12	1.0	5	12	0.8
106-93-4	1,2-Dibromoethane	U	12	1.0	5	12	1

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 27-OCT-2005 04:20
Report Date: 10/28/2005
Matrix: SOIL
% Solids: 40.0

Lab ID: WV5606-11
Client ID: SD-42-02
SDG: MID-7
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22077
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	62	1.0	25	62	10
108-90-7	Chlorobenzene	U	12	1.0	5	12	2
100-41-4	Ethylbenzene	U	12	1.0	5	12	2
630-20-6	1,1,1,2-Tetrachloroethane	U	12	1.0	5	12	1
1330-20-7	Xylenes (total)	U	37	1.0	15	37	5
	m+p-Xylenes	U	25	1.0	10	25	3
95-47-6	o-Xylene	U	12	1.0	5	12	2
100-42-5	Styrene	U	12	1.0	5	12	0.8
75-25-2	Bromoform	U	12	1.0	5	12	1
98-82-8	Isopropylbenzene	U	12	1.0	5	12	2
108-86-1	Bromobenzene	U	12	1.0	5	12	2
103-65-1	N-Propylbenzene	U	12	1.0	5	12	2
79-34-5	1,1,2,2-Tetrachloroethane	U	12	1.0	5	12	3
95-49-8	2-Chlorotoluene	U	12	1.0	5	12	2
96-18-4	1,2,3-Trichloropropane	U	12	1.0	5	12	2
106-43-4	4-Chlorotoluene	U	12	1.0	5	12	1
98-06-6	tert-Butylbenzene	U	12	1.0	5	12	2
95-63-6	1,2,4-Trimethylbenzene	U	12	1.0	5	12	1
99-87-6	P-Isopropyltoluene	U	12	1.0	5	12	2
541-73-1	1,3-Dichlorobenzene	U	12	1.0	5	12	0.8
106-46-7	1,4-Dichlorobenzene	U	12	1.0	5	12	0.6
104-51-8	N-Butylbenzene	U	12	1.0	5	12	2
135-98-8	sec-Butylbenzene	U	12	1.0	5	12	2
95-50-1	1,2-Dichlorobenzene	U	12	1.0	5	12	0.7
96-12-8	1,2-Dibromo-3-Chloropropane	U	12	1.0	5	12	2
87-68-3	Hexachlorobutadiene	U	12	1.0	5	12	2
120-82-1	1,2,4-Trichlorobenzene	U	12	1.0	5	12	2
526-73-8	1,2,3-Trimethylbenzene	U	12	1.0	5	12	0.8
91-20-3	Naphthalene	U	12	1.0	5	12	4
87-61-6	1,2,3-Trichlorobenzene	U	12	1.0	5	12	4
1868-53-7	Dibromofluoromethane		* 51%				
17060-07-0	1,2-Dichloroethane-D4		* 45%				
2037-26-5	Toluene-D8		* 38%				
460-00-4	P-Bromofluorobenzene		* 24%				

FORM I

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-42-02

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-7

Matrix: (soil/water) SOIL Lab Sample ID: WV5606-11

Sample wt/vol: 5.000(g/mL) G Lab File ID: M9836

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: not dec. 60 Date Analyzed: 10/27/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
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FORM I VOA-TIC

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 28-OCT-2005 02:47
Report Date: 10/28/2005
Matrix: SOIL
% Solids: 40.0

Lab ID: WV5606-11RA
Client ID: SD-42-02
SDG: MID-7
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22133
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	24	1.0	10	24	4
74-87-3	Chloromethane	U	24	1.0	10	24	2
75-01-4	Vinyl chloride	U	24	1.0	10	24	4
74-83-9	Bromomethane	U	24	1.0	10	24	5
75-00-3	Chloroethane	U	24	1.0	10	24	4
75-69-4	Trichlorofluoromethane	U	24	1.0	10	24	4
75-65-0	Tertiary-butyl alcohol	U	24	1.0	10	24	17
75-35-4	1,1-Dichloroethene	U	12	1.0	5	12	2
75-15-0	Carbon Disulfide	J	6	1.0	5	12	4
76-13-1	Freon-113	U	12	1.0	5	12	4
75-09-2	Methylene Chloride	U	12	1.0	5	12	5
67-64-1	Acetone	U	61	1.0	25	61	10
156-60-5	trans-1,2-Dichloroethene	U	12	1.0	5	12	2
1634-04-4	Methyl tert-butyl ether	U	24	1.0	10	24	2
108-20-3	Di-isopropyl ether	U	12	1.0	5	12	0.9
75-34-3	1,1-Dichloroethane	U	12	1.0	5	12	2
637-92-3	Ethyl tertiary-butyl ether	U	12	1.0	5	12	0.7
108-05-4	Vinyl Acetate	U	12	1.0	5	12	0.6
156-59-2	cis-1,2-Dichloroethene	U	12	1.0	5	12	2
540-59-0	1,2-Dichloroethylene (total)	U	24	1.0	10	24	4
594-20-7	2,2-Dichloropropane	U	12	1.0	5	12	4
74-97-5	Bromochloromethane	U	12	1.0	5	12	3
67-66-3	Chloroform	U	12	1.0	5	12	2
56-23-5	Carbon Tetrachloride	U	12	1.0	5	12	7
71-55-6	1,1,1-Trichloroethane	U	12	1.0	5	12	3
563-58-6	1,1-Dichloropropene	U	12	1.0	5	12	3
78-93-3	2-Butanone	U	61	1.0	25	61	8
71-43-2	Benzene	U	12	1.0	5	12	2
994-05-8	Tertiary-amyl methyl ether	U	12	1.0	5	12	1.0
107-06-2	1,2-Dichloroethane	U	12	1.0	5	12	1
79-01-6	Trichloroethene	U	12	1.0	5	12	2
74-95-3	Dibromomethane	U	12	1.0	5	12	1
78-87-5	1,2-Dichloropropane	U	12	1.0	5	12	2
75-27-4	Bromodichloromethane	U	12	1.0	5	12	1
10061-01-5	cis-1,3-dichloropropene	U	12	1.0	5	12	0.8
110-75-8	2-Chloroethylvinylether	U	12	1.0	5	12	2
108-88-3	Toluene	U	12	1.0	5	12	2
108-10-1	4-methyl-2-pentanone	U	61	1.0	25	61	10
127-18-4	Tetrachloroethene	U	12	1.0	5	12	3
10061-02-6	trans-1,3-Dichloropropene	U	12	1.0	5	12	1
124-48-1	Dibromochloromethane	U	12	1.0	5	12	1
142-28-9	1,3-Dichloropropane	U	12	1.0	5	12	0.8
106-93-4	1,2-Dibromoethane	U	12	1.0	5	12	1

Sample Data Summary A0000057

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 28-OCT-2005 02:47
Report Date: 10/28/2005
Matrix: SOIL
% Solids: 40.0

Lab ID: WV5606-11RA
Client ID: SD-42-02
SDG: MID-7
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22133
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	61	1.0	25	61	10
108-90-7	Chlorobenzene	U	12	1.0	5	12	2
100-41-4	Ethylbenzene	U	12	1.0	5	12	2
630-20-6	1,1,1,2-Tetrachloroethane	U	12	1.0	5	12	1
1330-20-7	Xylenes (total)	U	37	1.0	15	37	4
	m+p-Xylenes	U	24	1.0	10	24	3
95-47-6	o-Xylene	U	12	1.0	5	12	2
100-42-5	Styrene	U	12	1.0	5	12	0.8
75-25-2	Bromoform	U	12	1.0	5	12	1
98-82-8	Isopropylbenzene	U	12	1.0	5	12	2
108-86-1	Bromobenzene	U	12	1.0	5	12	2
103-65-1	N-Propylbenzene	U	12	1.0	5	12	2
79-34-5	1,1,2,2-Tetrachloroethane	U	12	1.0	5	12	3
95-49-8	2-Chlorotoluene	U	12	1.0	5	12	2
96-18-4	1,2,3-Trichloropropane	U	12	1.0	5	12	2
106-43-4	4-Chlorotoluene	U	12	1.0	5	12	1
98-06-6	tert-Butylbenzene	U	12	1.0	5	12	2
95-63-6	1,2,4-Trimethylbenzene	U	12	1.0	5	12	1
99-87-6	P-Isopropyltoluene	U	12	1.0	5	12	2
541-73-1	1,3-Dichlorobenzene	U	12	1.0	5	12	0.8
106-46-7	1,4-Dichlorobenzene	U	12	1.0	5	12	0.6
104-51-8	N-Butylbenzene	U	12	1.0	5	12	2
135-98-8	sec-Butylbenzene	U	12	1.0	5	12	2
95-50-1	1,2-Dichlorobenzene	U	12	1.0	5	12	0.7
96-12-8	1,2-Dibromo-3-Chloropropane	U	12	1.0	5	12	2
87-68-3	Hexachlorobutadiene	U	12	1.0	5	12	2
120-82-1	1,2,4-Trichlorobenzene	U	12	1.0	5	12	2
526-73-8	1,2,3-Trimethylbenzene	U	12	1.0	5	12	0.8
91-20-3	Naphthalene	U	12	1.0	5	12	4
87-61-6	1,2,3-Trichlorobenzene	U	12	1.0	5	12	3
1868-53-7	Dibromofluoromethane		* 41%				
17060-07-0	1,2-Dichloroethane-D4		* 42%				
2037-26-5	Toluene-D8		* 54%				
460-00-4	P-Bromofluorobenzene		* 24%				

FORM I

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-42-02

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-7

Matrix: (soil/water) SOIL Lab Sample ID: WV5606-11RA

Sample wt/vol: 5.100(g/mL) G Lab File ID: M9869

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: not dec. 60 Date Analyzed: 10/28/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/26/05
Analysis Date: 29-OCT-2005 18:54
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 26.7

Lab ID: WV5606-1
Client ID: SD-36-SS
SDG: MID-7
Extracted by: GN
Extraction Method: SW846 3550
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG21977
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
123-91-1	1,4-Dioxane	U	1200	1.0	330	1200	620
62-75-9	N-Nitrosodimethylamine	U	1200	1.0	330	1200	620
110-86-1	Pyridine	U	1200	1.0	330	1200	620
62-53-3	Aniline	U	1200	1.0	330	1200	620
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	1200	1.0	330	1200	110
108-95-2	Phenol	U	1200	1.0	330	1200	340
111-44-4	Bis(2-Chloroethyl)ether	U	1200	1.0	330	1200	120
95-57-8	2-Chlorophenol	U	1200	1.0	330	1200	340
541-73-1	1,3-Dichlorobenzene	U	1200	1.0	330	1200	200
106-46-7	1,4-Dichlorobenzene	JB	100	1.0	330	1200	94
100-51-6	Benzyl alcohol	U	1200	1.0	330	1200	110
95-48-7	2-Methylphenol	U	1200	1.0	330	1200	510
95-50-1	1,2-Dichlorobenzene	U	1200	1.0	330	1200	160
621-64-7	N-Nitroso-di-n-propylamine	U	1200	1.0	330	1200	210
106-44-5	3&4-Methylphenol	U	1200	1.0	330	1200	560
67-72-1	Hexachloroethane	U	1200	1.0	330	1200	230
98-95-3	Nitrobenzene	U	1200	1.0	330	1200	280
78-59-1	Isophorone	U	1200	1.0	330	1200	190
88-75-5	2-Nitrophenol	U	1200	1.0	330	1200	400
105-67-9	2,4-Dimethylphenol	U	1200	1.0	330	1200	440
111-91-1	Bis(2-Chloroethoxy)methane	U	1200	1.0	330	1200	200
65-85-0	Benzoic acid	U	3100	1.0	820	3100	1500
120-83-2	2,4-Dichlorophenol	U	1200	1.0	330	1200	500
120-82-1	1,2,4-Trichlorobenzene	U	1200	1.0	330	1200	160
91-20-3	Naphthalene	U	1200	1.0	330	1200	240
106-47-8	4-Chloroaniline	U	1200	1.0	330	1200	200
87-68-3	Hexachlorobutadiene	U	1200	1.0	330	1200	160
59-50-7	4-Chloro-3-Methylphenol	U	1200	1.0	330	1200	440
91-57-6	2-Methylnaphthalene	U	1200	1.0	330	1200	210
90-12-0	1-Methylnaphthalene	U	1200	1.0	330	1200	620
77-47-4	Hexachlorocyclopentadiene	U	1200	1.0	330	1200	280
88-06-2	2,4,6-Trichlorophenol	U	1200	1.0	330	1200	440
95-95-4	2,4,5-Trichlorophenol	U	3100	1.0	820	3100	670
91-58-7	2-Chloronaphthalene	U	1200	1.0	330	1200	180
88-74-4	2-Nitroaniline	U	3100	1.0	820	3100	280
131-11-3	Dimethyl Phthalate	U	1200	1.0	330	1200	230
606-20-2	2,6-Dinitrotoluene	U	1200	1.0	330	1200	290
208-96-8	Acenaphthylene	U	1200	1.0	330	1200	150
99-09-2	3-Nitroaniline	U	3100	1.0	820	3100	270
83-32-9	Acenaphthene	JB	240	1.0	330	1200	220
51-28-5	2,4-Dinitrophenol	U	3100	1.0	820	3100	230
132-64-9	Dibenzofuran	U	1200	1.0	330	1200	230
100-02-7	4-Nitrophenol	U	3100	1.0	820	3100	580

Sample Data Summary A0000089

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/26/05
Analysis Date: 29-OCT-2005 18:54
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 26.7

Lab ID: WV5606-1
Client ID: SD-36-SS
SDG: MID-7
Extracted by: GN
Extraction Method: SW846 3550
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG21977
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
121-14-2	2,4-Dinitrotoluene	U	1200	1.0	330	1200	360
84-66-2	Diethylphthalate	U	1200	1.0	330	1200	390
86-73-7	Fluorene	U	1200	1.0	330	1200	200
7005-72-3	4-Chlorophenyl-phenylether	U	1200	1.0	330	1200	190
100-01-6	4-Nitroaniline	U	3100	1.0	820	3100	320
534-52-1	4,6-Dinitro-2-Methylphenol	U	3100	1.0	820	3100	770
86-30-6	N-Nitrosodiphenylamine	U	1200	1.0	330	1200	270
103-33-3	Azobenzene	U	1200	1.0	330	1200	620
101-55-3	4-Bromophenyl-phenylether	U	1200	1.0	330	1200	210
118-74-1	Hexachlorobenzene	U	1200	1.0	330	1200	870
87-86-5	Pentachlorophenol	U	3100	1.0	820	3100	530
85-01-8	Phenanthrene	U	1200	1.0	330	1200	220
120-12-7	Anthracene	U	1200	1.0	330	1200	220
86-74-8	Carbazole	U	1200	1.0	330	1200	220
84-74-2	Di-n-butylphthalate	U	1200	1.0	330	1200	320
206-44-0	Fluoranthene	J	360	1.0	330	1200	260
92-87-5	Benzidine	U	3100	1.0	820	3100	1500
129-00-0	Pyrene	J	550	1.0	330	1200	270
85-68-7	Butylbenzylphthalate	U	1200	1.0	330	1200	250
56-55-3	Benzo(a)anthracene	U	1200	1.0	330	1200	220
91-94-1	3,3'-Dichlorobenzidine	U	1200	1.0	330	1200	500
218-01-9	Chrysene	J	280	1.0	330	1200	240
117-81-7	bis(2-Ethylhexyl)phthalate		1200	1.0	330	1200	280
117-84-0	Di-n-octylphthalate	U	1200	1.0	330	1200	280
205-99-2	Benzo(b)fluoranthene	J	360	1.0	330	1200	240
207-08-9	Benzo(k)fluoranthene	U	1200	1.0	330	1200	220
50-32-8	Benzo(a)pyrene	J	200	1.0	330	1200	170
193-39-5	Indeno(1,2,3-cd)pyrene	U	1200	1.0	330	1200	500
53-70-3	Dibenzo(a,h)anthracene	U	1200	1.0	330	1200	530
191-24-2	Benzo(g,h,i)perylene	U	1200	1.0	330	1200	480
367-12-4	2-Fluorophenol		50%				
13127-88-3	Phenol-D6		73%				
4165-60-0	Nitrobenzene-D5		43%				
321-60-8	2-Fluorobiphenyl		55%				
118-79-6	2,4,6-Tribromophenol		62%				
1718-51-0	Terphenyl-D14		90%				

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-36-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-7

Matrix: (soil/water) SOIL Lab Sample ID: WV5606-1

Sample wt/vol: 0.030(Kg/mL) KG Lab File ID: K0462

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: 73 decanted: (Y/N) N Date Extracted:10/26/05

Concentrated Extract Volume: 0.001(L) Date Analyzed: 10/29/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 9

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	141-79-7	3-PENTEN-2-ONE, 4-METHYL-	4.75	500	NJB
2.		UNKNOWN	5.23	2000	JB
3.		UNKNOWN	5.77	100000	JB
4.		UNKNOWN	7.12	900	JB
5.	79-34-5	ETHANE, 1,1,2,2-TETRACHLORO	7.20	500	NJ
6.		UNKNOWN	11.81	700	JB
7.		UNKNOWN ALKANE	18.36	1000	J
8.		UNKNOWN ALKANE	24.25	2000	J
9.		UNKNOWN ALKANE	27.45	1000	J
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FORM I SV-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/26/05
Analysis Date: 29-OCT-2005 19:43
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 23.6

Lab ID: WV5606-2
Client ID: SD-37-SS
SDG: MID-7
Extracted by: GN
Extraction Method: SW846 3550
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG21977
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
123-91-1	1,4-Dioxane	U	1400	1.0	330	1400	700
62-75-9	N-Nitrosodimethylamine	U	1400	1.0	330	1400	700
110-86-1	Pyridine	U	1400	1.0	330	1400	700
62-53-3	Aniline	U	1400	1.0	330	1400	700
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	1400	1.0	330	1400	130
108-95-2	Phenol	U	1400	1.0	330	1400	390
111-44-4	Bis(2-Chloroethyl)ether	U	1400	1.0	330	1400	140
95-57-8	2-Chlorophenol	U	1400	1.0	330	1400	380
541-73-1	1,3-Dichlorobenzene	U	1400	1.0	330	1400	220
106-46-7	1,4-Dichlorobenzene	JB	130	1.0	330	1400	110
100-51-6	Benzyl alcohol	U	1400	1.0	330	1400	130
95-48-7	2-Methylphenol	U	1400	1.0	330	1400	580
95-50-1	1,2-Dichlorobenzene	U	1400	1.0	330	1400	180
621-64-7	N-Nitroso-di-n-propylamine	U	1400	1.0	330	1400	240
106-44-5	3&4-Methylphenol	U	1400	1.0	330	1400	630
67-72-1	Hexachloroethane	U	1400	1.0	330	1400	260
98-95-3	Nitrobenzene	U	1400	1.0	330	1400	310
78-59-1	Isophorone	U	1400	1.0	330	1400	220
88-75-5	2-Nitrophenol	U	1400	1.0	330	1400	450
105-67-9	2,4-Dimethylphenol	U	1400	1.0	330	1400	500
111-91-1	Bis(2-Chloroethoxy)methane	U	1400	1.0	330	1400	220
65-85-0	Benzoic acid	U	3500	1.0	820	3500	1700
120-83-2	2,4-Dichlorophenol	U	1400	1.0	330	1400	570
120-82-1	1,2,4-Trichlorobenzene	U	1400	1.0	330	1400	180
91-20-3	Naphthalene	U	1400	1.0	330	1400	270
106-47-8	4-Chloroaniline	U	1400	1.0	330	1400	220
87-68-3	Hexachlorobutadiene	U	1400	1.0	330	1400	180
59-50-7	4-Chloro-3-Methylphenol	U	1400	1.0	330	1400	500
91-57-6	2-Methylnaphthalene	U	1400	1.0	330	1400	240
90-12-0	1-Methylnaphthalene	U	1400	1.0	330	1400	700
77-47-4	Hexachlorocyclopentadiene	U	1400	1.0	330	1400	320
88-06-2	2,4,6-Trichlorophenol	U	1400	1.0	330	1400	500
95-95-4	2,4,5-Trichlorophenol	U	3500	1.0	820	3500	760
91-58-7	2-Chloronaphthalene	U	1400	1.0	330	1400	200
88-74-4	2-Nitroaniline	U	3500	1.0	820	3500	320
131-11-3	Dimethyl Phthalate	U	1400	1.0	330	1400	260
606-20-2	2,6-Dinitrotoluene	U	1400	1.0	330	1400	330
208-96-8	Acenaphthylene	U	1400	1.0	330	1400	170
99-09-2	3-Nitroaniline	U	3500	1.0	820	3500	300
83-32-9	Acenaphthene	JB	280	1.0	330	1400	250
51-28-5	2,4-Dinitrophenol	U	3500	1.0	820	3500	260
132-64-9	Dibenzofuran	U	1400	1.0	330	1400	260
100-02-7	4-Nitrophenol	U	3500	1.0	820	3500	660

Sample Data Summary A0000092

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/26/05
Analysis Date: 29-OCT-2005 19:43
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 23.6

Lab ID: WV5606-2
Client ID: SD-37-SS
SDG: MID-7
Extracted by: GN
Extraction Method: SW846 3550
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG21977
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
121-14-2	2,4-Dinitrotoluene	U	1400	1.0	330	1400	410
84-66-2	Diethylphthalate	U	1400	1.0	330	1400	440
86-73-7	Fluorene	U	1400	1.0	330	1400	220
7005-72-3	4-Chlorophenyl-phenylether	U	1400	1.0	330	1400	210
100-01-6	4-Nitroaniline	U	3500	1.0	820	3500	360
534-52-1	4,6-Dinitro-2-Methylphenol	U	3500	1.0	820	3500	870
86-30-6	N-Nitrosodiphenylamine	U	1400	1.0	330	1400	300
103-33-3	Azobenzene	U	1400	1.0	330	1400	700
101-55-3	4-Bromophenyl-phenylether	U	1400	1.0	330	1400	240
118-74-1	Hexachlorobenzene	U	1400	1.0	330	1400	980
87-86-5	Pentachlorophenol	U	3500	1.0	820	3500	600
85-01-8	Phenanthrene	U	1400	1.0	330	1400	240
120-12-7	Anthracene	U	1400	1.0	330	1400	240
86-74-8	Carbazole	U	1400	1.0	330	1400	250
84-74-2	Di-n-butylphthalate	U	1400	1.0	330	1400	360
206-44-0	Fluoranthene	J	530	1.0	330	1400	300
92-87-5	Benzidine	U	3500	1.0	820	3500	1700
129-00-0	Pyrene	J	980	1.0	330	1400	300
85-68-7	Butylbenzylphthalate	U	1400	1.0	330	1400	290
56-55-3	Benzo(a)anthracene	J	310	1.0	330	1400	250
91-94-1	3,3'-Dichlorobenzidine	U	1400	1.0	330	1400	560
218-01-9	Chrysene	J	490	1.0	330	1400	280
117-81-7	bis(2-Ethylhexyl)phthalate		1500	1.0	330	1400	310
117-84-0	Di-n-octylphthalate	U	1400	1.0	330	1400	310
205-99-2	Benzo(b)fluoranthene	J	590	1.0	330	1400	270
207-08-9	Benzo(k)fluoranthene	U	1400	1.0	330	1400	250
50-32-8	Benzo(a)pyrene	J	410	1.0	330	1400	190
193-39-5	Indeno(1,2,3-cd)pyrene	U	1400	1.0	330	1400	560
53-70-3	Dibenzo(a,h)anthracene	U	1400	1.0	330	1400	600
191-24-2	Benzo(g,h,i)perylene	U	1400	1.0	330	1400	550
367-12-4	2-Fluorophenol		54%				
13127-88-3	Phenol-D6		78%				
4165-60-0	Nitrobenzene-D5		44%				
321-60-8	2-Fluorobiphenyl		59%				
118-79-6	2,4,6-Tribromophenol		62%				
1718-51-0	Terphenyl-D14		90%				

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-37-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-7

Matrix: (soil/water) SOIL Lab Sample ID: WV5606-2

Sample wt/vol: 0.030(Kg/mL) KG Lab File ID: K0463

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: 76 decanted: (Y/N) N Date Extracted:10/26/05

Concentrated Extract Volume: 0.001(L) Date Analyzed: 10/29/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 8

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	2.68	700	J
2.	141-79-7	3-PENTEN-2-ONE, 4-METHYL-	4.74	900	NJB
3.		UNKNOWN	5.25	4000	JB
4.		UNKNOWN	5.80	200000	JB
5.		UNKNOWN	7.11	2000	JB
6.	79-34-5	ETHANE, 1,1,2,2-TETRACHLORO	7.21	800	NJ
7.		UNKNOWN	11.81	1000	JB
8.		UNKNOWN ALKANE	18.36	800	J
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FORM I SV-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/26/05
Analysis Date: 30-OCT-2005 22:50
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 20.7

Lab ID: WV5606-3
Client ID: SD-38-SS
SDG: MID-7
Extracted by: GN
Extraction Method: SW846 3550
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG21977
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
123-91-1	1,4-Dioxane	U	1600	1.0	330	1600	800
62-75-9	N-Nitrosodimethylamine	U	1600	1.0	330	1600	800
110-86-1	Pyridine	U	1600	1.0	330	1600	800
62-53-3	Aniline	U	1600	1.0	330	1600	800
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	1600	1.0	330	1600	150
108-95-2	Phenol	U	1600	1.0	330	1600	440
111-44-4	Bis(2-Chloroethyl)ether	U	1600	1.0	330	1600	160
95-57-8	2-Chlorophenol	U	1600	1.0	330	1600	430
541-73-1	1,3-Dichlorobenzene	U	1600	1.0	330	1600	250
106-46-7	1,4-Dichlorobenzene	U	1600	1.0	330	1600	120
100-51-6	Benzyl alcohol	U	1600	1.0	330	1600	150
95-48-7	2-Methylphenol	U	1600	1.0	330	1600	660
95-50-1	1,2-Dichlorobenzene	U	1600	1.0	330	1600	200
621-64-7	N-Nitroso-di-n-propylamine	U	1600	1.0	330	1600	270
106-44-5	3&4-Methylphenol	U	1600	1.0	330	1600	720
67-72-1	Hexachloroethane	U	1600	1.0	330	1600	290
98-95-3	Nitrobenzene	U	1600	1.0	330	1600	360
78-59-1	Isophorone	U	1600	1.0	330	1600	250
88-75-5	2-Nitrophenol	U	1600	1.0	330	1600	520
105-67-9	2,4-Dimethylphenol	U	1600	1.0	330	1600	570
111-91-1	Bis(2-Chloroethoxy)methane	U	1600	1.0	330	1600	250
65-85-0	Benzoic acid	U	4000	1.0	820	4000	2000
120-83-2	2,4-Dichlorophenol	U	1600	1.0	330	1600	650
120-82-1	1,2,4-Trichlorobenzene	U	1600	1.0	330	1600	210
91-20-3	Naphthalene	U	1600	1.0	330	1600	310
106-47-8	4-Chloroaniline	U	1600	1.0	330	1600	260
87-68-3	Hexachlorobutadiene	U	1600	1.0	330	1600	210
59-50-7	4-Chloro-3-Methylphenol	U	1600	1.0	330	1600	570
91-57-6	2-Methylnaphthalene	U	1600	1.0	330	1600	270
90-12-0	1-Methylnaphthalene	U	1600	1.0	330	1600	800
77-47-4	Hexachlorocyclopentadiene	U	1600	1.0	330	1600	360
88-06-2	2,4,6-Trichlorophenol	U	1600	1.0	330	1600	570
95-95-4	2,4,5-Trichlorophenol	U	4000	1.0	820	4000	870
91-58-7	2-Chloronaphthalene	U	1600	1.0	330	1600	230
88-74-4	2-Nitroaniline	U	4000	1.0	820	4000	360
131-11-3	Dimethyl Phthalate	U	1600	1.0	330	1600	300
606-20-2	2,6-Dinitrotoluene	U	1600	1.0	330	1600	370
208-96-8	Acenaphthylene	U	1600	1.0	330	1600	190
99-09-2	3-Nitroaniline	U	4000	1.0	820	4000	340
83-32-9	Acenaphthene	JB	310	1.0	330	1600	290
51-28-5	2,4-Dinitrophenol	U	4000	1.0	820	4000	300
132-64-9	Dibenzofuran	U	1600	1.0	330	1600	300
100-02-7	4-Nitrophenol	U	4000	1.0	820	4000	750

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/26/05
Analysis Date: 30-OCT-2005 22:50
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 20.7

Lab ID: WV5606-3
Client ID: SD-38-SS
SDG: MID-7
Extracted by: GN
Extraction Method: SW846 3550
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG21977
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
121-14-2	2,4-Dinitrotoluene	U	1600	1.0	330	1600	470
84-66-2	Diethylphthalate	U	1600	1.0	330	1600	500
86-73-7	Fluorene	U	1600	1.0	330	1600	250
7005-72-3	4-Chlorophenyl-phenylether	U	1600	1.0	330	1600	240
100-01-6	4-Nitroaniline	U	4000	1.0	820	4000	420
534-52-1	4,6-Dinitro-2-Methylphenol	U	4000	1.0	820	4000	1000
86-30-6	N-Nitrosodiphenylamine	U	1600	1.0	330	1600	350
103-33-3	Azobenzene	U	1600	1.0	330	1600	800
101-55-3	4-Bromophenyl-phenylether	U	1600	1.0	330	1600	270
118-74-1	Hexachlorobenzene	U	1600	1.0	330	1600	1100
87-86-5	Pentachlorophenol	U	4000	1.0	820	4000	680
85-01-8	Phenanthrene	U	1600	1.0	330	1600	280
120-12-7	Anthracene	U	1600	1.0	330	1600	280
86-74-8	Carbazole	U	1600	1.0	330	1600	290
84-74-2	Di-n-butylphthalate	U	1600	1.0	330	1600	410
206-44-0	Fluoranthene	J	430	1.0	330	1600	340
92-87-5	Benzidine	U	4000	1.0	820	4000	2000
129-00-0	Pyrene	J	640	1.0	330	1600	350
85-68-7	Butylbenzylphthalate	U	1600	1.0	330	1600	330
56-55-3	Benzo(a)anthracene	U	1600	1.0	330	1600	280
91-94-1	3,3'-Dichlorobenzidine	U	1600	1.0	330	1600	640
218-01-9	Chrysene	J	340	1.0	330	1600	320
117-81-7	bis(2-Ethylhexyl)phthalate	J	1400	1.0	330	1600	360
117-84-0	Di-n-octylphthalate	U	1600	1.0	330	1600	360
205-99-2	Benzo(b)fluoranthene	J	440	1.0	330	1600	310
207-08-9	Benzo(k)fluoranthene	U	1600	1.0	330	1600	280
50-32-8	Benzo(a)pyrene	J	250	1.0	330	1600	220
193-39-5	Indeno(1,2,3-cd)pyrene	U	1600	1.0	330	1600	640
53-70-3	Dibenzo(a,h)anthracene	U	1600	1.0	330	1600	680
191-24-2	Benzo(g,h,i)perylene	U	1600	1.0	330	1600	620
367-12-4	2-Fluorophenol		50%				
13127-88-3	Phenol-D6		76%				
4165-60-0	Nitrobenzene-D5		39%				
321-60-8	2-Fluorobiphenyl		52%				
118-79-6	2,4,6-Tribromophenol		77%				
1718-51-0	Terphenyl-D14		78%				

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-38-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-7

Matrix: (soil/water) SOIL Lab Sample ID: WV5606-3

Sample wt/vol: 0.030(Kg/mL) KG Lab File ID: K0471

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: 79 decanted: (Y/N) N Date Extracted:10/26/05

Concentrated Extract Volume: 0.001(L) Date Analyzed: 10/30/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 10

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	814-78-8	3-BUTEN-2-ONE, 3-METHYL-	2.69	1000	NJ
2.		UNKNOWN	2.86	700	J
3.	141-79-7	3-PENTEN-2-ONE, 4-METHYL-	4.74	1000	NJB
4.		UNKNOWN	5.34	6000	JB
5.		UNKNOWN	5.90	200000	J
6.		UNKNOWN	7.12	3000	JB
7.		UNKNOWN	11.79	1000	JB
8.		UNKNOWN	20.89	1000	J
9.		UNKNOWN ORGANIC ACID	21.07	4000	J
10.		UNKNOWN ALKANE	24.21	1000	J
11.					
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FORM I SV-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/26/05
Analysis Date: 30-OCT-2005 23:38
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 29.8

Lab ID: WV5606-4
Client ID: SD-39-SS
SDG: MID-7
Extracted by: GN
Extraction Method: SW846 3550
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG21977
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
123-91-1	1,4-Dioxane	U	1100	1.0	330	1100	550
62-75-9	N-Nitrosodimethylamine	U	1100	1.0	330	1100	550
110-86-1	Pyridine	U	1100	1.0	330	1100	550
62-53-3	Aniline	U	1100	1.0	330	1100	550
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	1100	1.0	330	1100	100
108-95-2	Phenol	U	1100	1.0	330	1100	310
111-44-4	Bis(2-Chloroethyl)ether	U	1100	1.0	330	1100	110
95-57-8	2-Chlorophenol	U	1100	1.0	330	1100	300
541-73-1	1,3-Dichlorobenzene	U	1100	1.0	330	1100	180
106-46-7	1,4-Dichlorobenzene	U	1100	1.0	330	1100	84
100-51-6	Benzyl alcohol	U	1100	1.0	330	1100	100
95-48-7	2-Methylphenol	U	1100	1.0	330	1100	460
95-50-1	1,2-Dichlorobenzene	U	1100	1.0	330	1100	140
621-64-7	N-Nitroso-di-n-propylamine	U	1100	1.0	330	1100	190
106-44-5	3&4-Methylphenol	U	1100	1.0	330	1100	500
67-72-1	Hexachloroethane	U	1100	1.0	330	1100	200
98-95-3	Nitrobenzene	U	1100	1.0	330	1100	250
78-59-1	Isophorone	U	1100	1.0	330	1100	170
88-75-5	2-Nitrophenol	U	1100	1.0	330	1100	360
105-67-9	2,4-Dimethylphenol	U	1100	1.0	330	1100	390
111-91-1	Bis(2-Chloroethoxy)methane	U	1100	1.0	330	1100	180
65-85-0	Benzoic acid	U	2700	1.0	820	2700	1400
120-83-2	2,4-Dichlorophenol	U	1100	1.0	330	1100	450
120-82-1	1,2,4-Trichlorobenzene	U	1100	1.0	330	1100	150
91-20-3	Naphthalene	U	1100	1.0	330	1100	210
106-47-8	4-Chloroaniline	U	1100	1.0	330	1100	180
87-68-3	Hexachlorobutadiene	U	1100	1.0	330	1100	150
59-50-7	4-Chloro-3-Methylphenol	U	1100	1.0	330	1100	400
91-57-6	2-Methylnaphthalene	U	1100	1.0	330	1100	190
90-12-0	1-Methylnaphthalene	U	1100	1.0	330	1100	550
77-47-4	Hexachlorocyclopentadiene	U	1100	1.0	330	1100	250
88-06-2	2,4,6-Trichlorophenol	U	1100	1.0	330	1100	390
95-95-4	2,4,5-Trichlorophenol	U	2700	1.0	820	2700	600
91-58-7	2-Chloronaphthalene	U	1100	1.0	330	1100	160
88-74-4	2-Nitroaniline	U	2700	1.0	820	2700	250
131-11-3	Dimethyl Phthalate	U	1100	1.0	330	1100	210
606-20-2	2,6-Dinitrotoluene	U	1100	1.0	330	1100	260
208-96-8	Acenaphthylene	U	1100	1.0	330	1100	140
99-09-2	3-Nitroaniline	U	2700	1.0	820	2700	240
83-32-9	Acenaphthene	U	1100	1.0	330	1100	200
51-28-5	2,4-Dinitrophenol	U	2700	1.0	820	2700	210
132-64-9	Dibenzofuran	U	1100	1.0	330	1100	210
100-02-7	4-Nitrophenol	U	2700	1.0	820	2700	520

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/26/05
Analysis Date: 30-OCT-2005 23:38
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 29.8

Lab ID: WV5606-4
Client ID: SD-39-SS
SDG: MID-7
Extracted by: GN
Extraction Method: SW846 3550
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG21977
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
121-14-2	2,4-Dinitrotoluene	U	1100	1.0	330	1100	330
84-66-2	Diethylphthalate	U	1100	1.0	330	1100	350
86-73-7	Fluorene	U	1100	1.0	330	1100	180
7005-72-3	4-Chlorophenyl-phenylether	U	1100	1.0	330	1100	170
100-01-6	4-Nitroaniline	U	2700	1.0	820	2700	290
534-52-1	4,6-Dinitro-2-Methylphenol	U	2700	1.0	820	2700	690
86-30-6	N-Nitrosodiphenylamine	U	1100	1.0	330	1100	240
103-33-3	Azobenzene	U	1100	1.0	330	1100	550
101-55-3	4-Bromophenyl-phenylether	U	1100	1.0	330	1100	190
118-74-1	Hexachlorobenzene	U	1100	1.0	330	1100	780
87-86-5	Pentachlorophenol	U	2700	1.0	820	2700	470
85-01-8	Phenanthrene	U	1100	1.0	330	1100	190
120-12-7	Anthracene	U	1100	1.0	330	1100	190
86-74-8	Carbazole	U	1100	1.0	330	1100	200
84-74-2	Di-n-butylphthalate	U	1100	1.0	330	1100	280
206-44-0	Fluoranthene	J	330	1.0	330	1100	240
92-87-5	Benzidine	U	2700	1.0	820	2700	1400
129-00-0	Pyrene	J	430	1.0	330	1100	240
85-68-7	Butylbenzylphthalate	U	1100	1.0	330	1100	230
56-55-3	Benzo(a)anthracene	U	1100	1.0	330	1100	200
91-94-1	3,3'-Dichlorobenzidine	U	1100	1.0	330	1100	450
218-01-9	Chrysene	J	260	1.0	330	1100	220
117-81-7	bis(2-Ethylhexyl)phthalate	J	870	1.0	330	1100	250
117-84-0	Di-n-octylphthalate	U	1100	1.0	330	1100	250
205-99-2	Benzo(b)fluoranthene	J	340	1.0	330	1100	210
207-08-9	Benzo(k)fluoranthene	U	1100	1.0	330	1100	200
50-32-8	Benzo(a)pyrene	J	200	1.0	330	1100	150
193-39-5	Indeno(1,2,3-cd)pyrene	U	1100	1.0	330	1100	440
53-70-3	Dibenzo(a,h)anthracene	U	1100	1.0	330	1100	470
191-24-2	Benzo(g,h,i)perylene	U	1100	1.0	330	1100	430
367-12-4	2-Fluorophenol		54%				
13127-88-3	Phenol-D6		79%				
4165-60-0	Nitrobenzene-D5		44%				
321-60-8	2-Fluorobiphenyl		56%				
118-79-6	2,4,6-Tribromophenol		77%				
1718-51-0	Terphenyl-D14		* 74%				

FORM 1

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-39-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-7

Matrix: (soil/water) SOIL Lab Sample ID: WV5606-4

Sample wt/vol: 0.030(Kg/mL) KG Lab File ID: K0472

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: 70 decanted: (Y/N) N Date Extracted:10/26/05

Concentrated Extract Volume: 0.001(L) Date Analyzed: 10/30/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 15

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	814-78-8	3-BUTEN-2-ONE, 3-METHYL-	2.71	900	NJ
2.		UNKNOWN	2.87	700	J
3.	141-79-7	3-PENTEN-2-ONE, 4-METHYL-	4.74	1000	NJB
4.		UNKNOWN	5.43	6000	J
5.		UNKNOWN	5.90	200000	J
6.		UNKNOWN	7.12	3000	JB
7.	79-34-5	ETHANE, 1,1,2,2-TETRACHLORO	7.23	500	NJ
8.		UNKNOWN	11.79	1000	JB
9.		UNKNOWN ALKANE	18.33	1000	J
10.		UNKNOWN ALKANE	19.87	600	J
11.		UNKNOWN ORGANIC ACID	21.08	5000	J
12.		UNKNOWN ALKANE	24.21	600	J
13.		UNKNOWN ALKANE	25.87	500	J
14.		UNKNOWN	30.64	6000	J
15.		UNKNOWN	32.22	3000	J
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
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27.					
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30.					

FORM I SV-TIC

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/26/05
Analysis Date: 30-OCT-2005 22:01
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 27.7

Lab ID: WV5606-5
Client ID: SD-40-SS
SDG: MID-7
Extracted by: GN
Extraction Method: SW846 3550
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG21977
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
123-91-1	1,4-Dioxane	U	1200	1.0	330	1200	600
62-75-9	N-Nitrosodimethylamine	U	1200	1.0	330	1200	600
110-86-1	Pyridine	U	1200	1.0	330	1200	600
62-53-3	Aniline	U	1200	1.0	330	1200	600
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	1200	1.0	330	1200	110
108-95-2	Phenol	U	1200	1.0	330	1200	330
111-44-4	Bis(2-Chloroethyl)ether	U	1200	1.0	330	1200	120
95-57-8	2-Chlorophenol	U	1200	1.0	330	1200	320
541-73-1	1,3-Dichlorobenzene	U	1200	1.0	330	1200	190
106-46-7	1,4-Dichlorobenzene	JB	120	1.0	330	1200	91
100-51-6	Benzyl alcohol	U	1200	1.0	330	1200	110
95-48-7	2-Methylphenol	U	1200	1.0	330	1200	490
95-50-1	1,2-Dichlorobenzene	U	1200	1.0	330	1200	150
621-64-7	N-Nitroso-di-n-propylamine	U	1200	1.0	330	1200	200
106-44-5	3&4-Methylphenol	U	1200	1.0	330	1200	540
67-72-1	Hexachloroethane	U	1200	1.0	330	1200	220
98-95-3	Nitrobenzene	U	1200	1.0	330	1200	270
78-59-1	Isophorone	U	1200	1.0	330	1200	190
88-75-5	2-Nitrophenol	U	1200	1.0	330	1200	390
105-67-9	2,4-Dimethylphenol	U	1200	1.0	330	1200	420
111-91-1	Bis(2-Chloroethoxy)methane	U	1200	1.0	330	1200	190
65-85-0	Benzoic acid	U	3000	1.0	820	3000	1500
120-83-2	2,4-Dichlorophenol	U	1200	1.0	330	1200	480
120-82-1	1,2,4-Trichlorobenzene	U	1200	1.0	330	1200	160
91-20-3	Naphthalene	U	1200	1.0	330	1200	230
106-47-8	4-Chloroaniline	U	1200	1.0	330	1200	190
87-68-3	Hexachlorobutadiene	U	1200	1.0	330	1200	160
59-50-7	4-Chloro-3-Methylphenol	U	1200	1.0	330	1200	430
91-57-6	2-Methylnaphthalene	U	1200	1.0	330	1200	200
90-12-0	1-Methylnaphthalene	U	1200	1.0	330	1200	600
77-47-4	Hexachlorocyclopentadiene	U	1200	1.0	330	1200	270
88-06-2	2,4,6-Trichlorophenol	U	1200	1.0	330	1200	420
95-95-4	2,4,5-Trichlorophenol	U	3000	1.0	820	3000	650
91-58-7	2-Chloronaphthalene	U	1200	1.0	330	1200	170
88-74-4	2-Nitroaniline	U	3000	1.0	820	3000	270
131-11-3	Dimethyl Phthalate	U	1200	1.0	330	1200	220
606-20-2	2,6-Dinitrotoluene	U	1200	1.0	330	1200	280
208-96-8	Acenaphthylene	U	1200	1.0	330	1200	140
99-09-2	3-Nitroaniline	U	3000	1.0	820	3000	260
83-32-9	Acenaphthene	JB	240	1.0	330	1200	220
51-28-5	2,4-Dinitrophenol	U	3000	1.0	820	3000	220
132-64-9	Dibenzofuran	U	1200	1.0	330	1200	220
100-02-7	4-Nitrophenol	U	3000	1.0	820	3000	560

Sample Data Summary A0000101

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/26/05
Analysis Date: 30-OCT-2005 22:01
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 27.7

Lab ID: WV5606-5
Client ID: SD-40-SS
SDG: MID-7
Extracted by: GN
Extraction Method: SW846 3550
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG21977
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
121-14-2	2,4-Dinitrotoluene	U	1200	1.0	330	1200	350
84-66-2	Diethylphthalate	U	1200	1.0	330	1200	370
86-73-7	Fluorene	U	1200	1.0	330	1200	190
7005-72-3	4-Chlorophenyl-phenylether	U	1200	1.0	330	1200	180
100-01-6	4-Nitroaniline	U	3000	1.0	820	3000	310
534-52-1	4,6-Dinitro-2-Methylphenol	U	3000	1.0	820	3000	750
86-30-6	N-Nitrosodiphenylamine	U	1200	1.0	330	1200	260
103-33-3	Azobenzene	U	1200	1.0	330	1200	600
101-55-3	4-Bromophenyl-phenylether	U	1200	1.0	330	1200	200
118-74-1	Hexachlorobenzene	U	1200	1.0	330	1200	840
87-86-5	Pentachlorophenol	U	3000	1.0	820	3000	510
85-01-8	Phenanthrene	U	1200	1.0	330	1200	210
120-12-7	Anthracene	U	1200	1.0	330	1200	210
86-74-8	Carbazole	U	1200	1.0	330	1200	220
84-74-2	Di-n-butylphthalate	U	1200	1.0	330	1200	300
206-44-0	Fluoranthene	J	540	1.0	330	1200	260
92-87-5	Benzidine	U	3000	1.0	820	3000	1500
129-00-0	Pyrene	J	950	1.0	330	1200	260
85-68-7	Butylbenzylphthalate	U	1200	1.0	330	1200	240
56-55-3	Benzo(a)anthracene	J	350	1.0	330	1200	210
91-94-1	3,3'-Dichlorobenzidine	U	1200	1.0	330	1200	480
218-01-9	Chrysene	J	530	1.0	330	1200	240
117-81-7	bis(2-Ethylhexyl)phthalate	J	1200	1.0	330	1200	270
117-84-0	Di-n-octylphthalate	U	1200	1.0	330	1200	270
205-99-2	Benzo(b)fluoranthene	J	560	1.0	330	1200	230
207-08-9	Benzo(k)fluoranthene	U	1200	1.0	330	1200	210
50-32-8	Benzo(a)pyrene	J	380	1.0	330	1200	160
193-39-5	Indeno(1,2,3-cd)pyrene	U	1200	1.0	330	1200	480
53-70-3	Dibenzo(a,h)anthracene	U	1200	1.0	330	1200	510
191-24-2	Benzo(g,h,i)perylene	U	1200	1.0	330	1200	470
367-12-4	2-Fluorophenol		55%				
13127-88-3	Phenol-D6		78%				
4165-60-0	Nitrobenzene-D5		51%				
321-60-8	2-Fluorobiphenyl		59%				
118-79-6	2,4,6-Tribromophenol		76%				
1718-51-0	Terphenyl-D14		* 74%				

FORM I

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-40-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-7

Matrix: (soil/water) SOIL Lab Sample ID: WV5606-5

Sample wt/vol: 0.030(Kg/mL) KG Lab File ID: K0470

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: 72 decanted: (Y/N) N Date Extracted:10/26/05

Concentrated Extract Volume: 0.001(L) Date Analyzed: 10/30/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 6

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	814-78-8	3-BUTEN-2-ONE, 3-METHYL-	2.70	700	J
2.	141-79-7	3-PENTEN-2-ONE, 4-METHYL-	4.75	1000	NJB
3.		UNKNOWN	5.33	4000	JB
4.		UNKNOWN	5.89	100000	JB
5.		UNKNOWN	7.12	2000	JB
6.		UNKNOWN	11.78	800	JB
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FORM I SV-TIC

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/26/05
Analysis Date: 31-OCT-2005 00:27
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 38.1

Lab ID: WV5606-6
Client ID: SD-40-01
SDG: MID-7
Extracted by: GN
Extraction Method: SW846 3550
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG21977
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
123-91-1	1,4-Dioxane	U	860	1.0	330	860	430
62-75-9	N-Nitrosodimethylamine	U	860	1.0	330	860	430
110-86-1	Pyridine	U	860	1.0	330	860	430
62-53-3	Aniline	U	860	1.0	330	860	430
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	860	1.0	330	860	80
108-95-2	Phenol	U	860	1.0	330	860	240
111-44-4	Bis(2-Chloroethyl)ether	U	860	1.0	330	860	86
95-57-8	2-Chlorophenol	U	860	1.0	330	860	240
541-73-1	1,3-Dichlorobenzene	U	860	1.0	330	860	140
106-46-7	1,4-Dichlorobenzene	JB	100	1.0	330	860	66
100-51-6	Benzyl alcohol	U	860	1.0	330	860	80
95-48-7	2-Methylphenol	U	860	1.0	330	860	360
95-50-1	1,2-Dichlorobenzene	U	860	1.0	330	860	110
621-64-7	N-Nitroso-di-n-propylamine	U	860	1.0	330	860	150
106-44-5	3&4-Methylphenol	U	860	1.0	330	860	390
67-72-1	Hexachloroethane	U	860	1.0	330	860	160
98-95-3	Nitrobenzene	U	860	1.0	330	860	190
78-59-1	Isophorone	U	860	1.0	330	860	140
88-75-5	2-Nitrophenol	U	860	1.0	330	860	280
105-67-9	2,4-Dimethylphenol	U	860	1.0	330	860	310
111-91-1	Bis(2-Chloroethoxy)methane	U	860	1.0	330	860	140
65-85-0	Benzoic acid	U	2100	1.0	820	2100	1100
120-83-2	2,4-Dichlorophenol	U	860	1.0	330	860	350
120-82-1	1,2,4-Trichlorobenzene	U	860	1.0	330	860	110
91-20-3	Naphthalene	U	860	1.0	330	860	170
106-47-8	4-Chloroaniline	U	860	1.0	330	860	140
87-68-3	Hexachlorobutadiene	U	860	1.0	330	860	110
59-50-7	4-Chloro-3-Methylphenol	U	860	1.0	330	860	310
91-57-6	2-Methylnaphthalene	U	860	1.0	330	860	150
90-12-0	1-Methylnaphthalene	U	860	1.0	330	860	430
77-47-4	Hexachlorocyclopentadiene	U	860	1.0	330	860	200
88-06-2	2,4,6-Trichlorophenol	U	860	1.0	330	860	310
95-95-4	2,4,5-Trichlorophenol	U	2100	1.0	820	2100	470
91-58-7	2-Chloronaphthalene	U	860	1.0	330	860	130
88-74-4	2-Nitroaniline	U	2100	1.0	820	2100	200
131-11-3	Dimethyl Phthalate	U	860	1.0	330	860	160
606-20-2	2,6-Dinitrotoluene	U	860	1.0	330	860	200
208-96-8	Acenaphthylene	U	860	1.0	330	860	100
99-09-2	3-Nitroaniline	U	2100	1.0	820	2100	190
83-32-9	Acenaphthene	JB	180	1.0	330	860	160
51-28-5	2,4-Dinitrophenol	U	2100	1.0	820	2100	160
132-64-9	Dibenzofuran	U	860	1.0	330	860	160
100-02-7	4-Nitrophenol	U	2100	1.0	820	2100	410

Sample Data Summary A0000104

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/26/05
Analysis Date: 31-OCT-2005 00:27
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 38.1

Lab ID: WV5606-6
Client ID: SD-40-01
SDG: MID-7
Extracted by: GN
Extraction Method: SW846 3550
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG21977
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
121-14-2	2,4-Dinitrotoluene	U	860	1.0	330	860	260
84-66-2	Diethylphthalate	U	860	1.0	330	860	270
86-73-7	Fluorene	U	860	1.0	330	860	140
7005-72-3	4-Chlorophenyl-phenylether	U	860	1.0	330	860	130
100-01-6	4-Nitroaniline	U	2100	1.0	820	2100	220
534-52-1	4,6-Dinitro-2-Methylphenol	U	2100	1.0	820	2100	540
86-30-6	N-Nitrosodiphenylamine	U	860	1.0	330	860	190
103-33-3	Azobenzene	U	860	1.0	330	860	430
101-55-3	4-Bromophenyl-phenylether	U	860	1.0	330	860	140
118-74-1	Hexachlorobenzene	U	860	1.0	330	860	610
87-86-5	Pentachlorophenol	U	2100	1.0	820	2100	370
85-01-8	Phenanthrene	J	300	1.0	330	860	150
120-12-7	Anthracene	J	170	1.0	330	860	150
86-74-8	Carbazole	U	860	1.0	330	860	160
84-74-2	Di-n-butylphthalate	U	860	1.0	330	860	220
206-44-0	Fluoranthene	J	670	1.0	330	860	190
92-87-5	Benzidine	U	2100	1.0	820	2100	1100
129-00-0	Pyrene		1200	1.0	330	860	190
85-68-7	Butylbenzylphthalate	U	860	1.0	330	860	180
56-55-3	Benzo(a)anthracene	J	410	1.0	330	860	150
91-94-1	3,3'-Dichlorobenzidine	U	860	1.0	330	860	350
218-01-9	Chrysene	J	670	1.0	330	860	170
117-81-7	bis(2-Ethylhexyl)phthalate	J	760	1.0	330	860	190
117-84-0	Di-n-octylphthalate	U	860	1.0	330	860	190
205-99-2	Benzo(b)fluoranthene	J	750	1.0	330	860	170
207-08-9	Benzo(k)fluoranthene	U	860	1.0	330	860	150
50-32-8	Benzo(a)pyrene	J	480	1.0	330	860	120
193-39-5	Indeno(1,2,3-cd)pyrene	J	450	1.0	330	860	350
53-70-3	Dibenzo(a,h)anthracene	U	860	1.0	330	860	370
191-24-2	Benzo(g,h,i)perylene	J	440	1.0	330	860	340
367-12-4	2-Fluorophenol		62%				
13127-88-3	Phenol-D6		85%				
4165-60-0	Nitrobenzene-D5		57%				
321-60-8	2-Fluorobiphenyl		61%				
118-79-6	2,4,6-Tribromophenol		62%				
1718-51-0	Terphenyl-D14		* 70%				

FORM I

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-40-01

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-7

Matrix: (soil/water) SOIL Lab Sample ID: WV5606-6

Sample wt/vol: 0.030(Kg/mL) KG Lab File ID: K0473

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: 62 decanted: (Y/N) N Date Extracted:10/26/05

Concentrated Extract Volume: 0.001(L) Date Analyzed: 10/31/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 7

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	814-78-8	3-BUTEN-2-ONE, 3-METHYL-	2.70	500	NJ
2.	141-79-7	3-PENTEN-2-ONE, 4-METHYL-	4.74	800	NJB
3.		UNKNOWN	5.36	4000	J
4.		UNKNOWN	5.91	100000	J
5.		UNKNOWN	7.12	2000	JB
6.		UNKNOWN	11.79	700	JB
7.		UNKNOWN ALKANE	18.34	400	J
8.					
9.					
10.					
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12.					
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FORM I SV-TIC

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/26/05
Analysis Date: 31-OCT-2005 01:17
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 37.6

Lab ID: WV5606-7
Client ID: SD-40-02
SDG: MID-7
Extracted by: GN
Extraction Method: SW846 3550
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG21977
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
123-91-1	1,4-Dioxane	U	880	1.0	330	880	440
62-75-9	N-Nitrosodimethylamine	U	880	1.0	330	880	440
110-86-1	Pyridine	U	880	1.0	330	880	440
62-53-3	Aniline	U	880	1.0	330	880	440
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	880	1.0	330	880	82
108-95-2	Phenol	U	880	1.0	330	880	240
111-44-4	Bis(2-Chloroethyl)ether	U	880	1.0	330	880	88
95-57-8	2-Chlorophenol	U	880	1.0	330	880	240
541-73-1	1,3-Dichlorobenzene	U	880	1.0	330	880	140
106-46-7	1,4-Dichlorobenzene	JB	74	1.0	330	880	67
100-51-6	Benzyl alcohol	U	880	1.0	330	880	82
95-48-7	2-Methylphenol	U	880	1.0	330	880	360
95-50-1	1,2-Dichlorobenzene	U	880	1.0	330	880	110
621-64-7	N-Nitroso-di-n-propylamine	U	880	1.0	330	880	150
106-44-5	3&4-Methylphenol	U	880	1.0	330	880	400
67-72-1	Hexachloroethane	U	880	1.0	330	880	160
98-95-3	Nitrobenzene	U	880	1.0	330	880	200
78-59-1	Isophorone	U	880	1.0	330	880	140
88-75-5	2-Nitrophenol	U	880	1.0	330	880	280
105-67-9	2,4-Dimethylphenol	U	880	1.0	330	880	310
111-91-1	Bis(2-Chloroethoxy)methane	U	880	1.0	330	880	140
65-85-0	Benzoic acid	U	2200	1.0	820	2200	1100
120-83-2	2,4-Dichlorophenol	U	880	1.0	330	880	360
120-82-1	1,2,4-Trichlorobenzene	U	880	1.0	330	880	120
91-20-3	Naphthalene	U	880	1.0	330	880	170
106-47-8	4-Chloroaniline	U	880	1.0	330	880	140
87-68-3	Hexachlorobutadiene	U	880	1.0	330	880	120
59-50-7	4-Chloro-3-Methylphenol	U	880	1.0	330	880	320
91-57-6	2-Methylnaphthalene	U	880	1.0	330	880	150
90-12-0	1-Methylnaphthalene	U	880	1.0	330	880	440
77-47-4	Hexachlorocyclopentadiene	U	880	1.0	330	880	200
88-06-2	2,4,6-Trichlorophenol	U	880	1.0	330	880	310
95-95-4	2,4,5-Trichlorophenol	U	2200	1.0	820	2200	480
91-58-7	2-Chloronaphthalene	U	880	1.0	330	880	130
88-74-4	2-Nitroaniline	U	2200	1.0	820	2200	200
131-11-3	Dimethyl Phthalate	U	880	1.0	330	880	160
606-20-2	2,6-Dinitrotoluene	U	880	1.0	330	880	200
208-96-8	Acenaphthylene	U	880	1.0	330	880	110
99-09-2	3-Nitroaniline	U	2200	1.0	820	2200	190
83-32-9	Acenaphthene	JB	190	1.0	330	880	160
51-28-5	2,4-Dinitrophenol	U	2200	1.0	820	2200	160
132-64-9	Dibenzofuran	U	880	1.0	330	880	160
100-02-7	4-Nitrophenol	U	2200	1.0	820	2200	410

Sample Data Summary A0000107

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/26/05
Analysis Date: 31-OCT-2005 01:17
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 37.6

Lab ID: WV5606-7
Client ID: SD-40-02
SDG: MID-7
Extracted by: GN
Extraction Method: SW846 3550
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG21977
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
121-14-2	2,4-Dinitrotoluene	U	880	1.0	330	880	260
84-66-2	Diethylphthalate	U	880	1.0	330	880	280
86-73-7	Fluorene	U	880	1.0	330	880	140
7005-72-3	4-Chlorophenyl-phenylether	U	880	1.0	330	880	130
100-01-6	4-Nitroaniline	U	2200	1.0	820	2200	230
534-52-1	4,6-Dinitro-2-Methylphenol	U	2200	1.0	820	2200	550
86-30-6	N-Nitrosodiphenylamine	U	880	1.0	330	880	190
103-33-3	Azobenzene	U	880	1.0	330	880	440
101-55-3	4-Bromophenyl-phenylether	U	880	1.0	330	880	150
118-74-1	Hexachlorobenzene	U	880	1.0	330	880	620
87-86-5	Pentachlorophenol	U	2200	1.0	820	2200	370
85-01-8	Phenanthrene	J	400	1.0	330	880	150
120-12-7	Anthracene	J	190	1.0	330	880	150
86-74-8	Carbazole	U	880	1.0	330	880	160
84-74-2	Di-n-butylphthalate	U	880	1.0	330	880	220
206-44-0	Fluoranthene		890	1.0	330	880	190
92-87-5	Benzidine	U	2200	1.0	820	2200	1100
129-00-0	Pyrene		2100	1.0	330	880	190
85-68-7	Butylbenzylphthalate	U	880	1.0	330	880	180
56-55-3	Benzo(a)anthracene	J	660	1.0	330	880	160
91-94-1	3,3'-Dichlorobenzidine	U	880	1.0	330	880	350
218-01-9	Chrysene		1000	1.0	330	880	170
117-81-7	bis(2-Ethylhexyl)phthalate		1700	1.0	330	880	200
117-84-0	Di-n-octylphthalate	U	880	1.0	330	880	200
205-99-2	Benzo(b)fluoranthene		1000	1.0	330	880	170
207-08-9	Benzo(k)fluoranthene	U	880	1.0	330	880	160
50-32-8	Benzo(a)pyrene	J	740	1.0	330	880	120
193-39-5	Indeno(1,2,3-cd)pyrene	J	570	1.0	330	880	350
53-70-3	Dibenzo(a,h)anthracene	U	880	1.0	330	880	380
191-24-2	Benzo(g,h,i)perylene	J	690	1.0	330	880	340
367-12-4	2-Fluorophenol		68%				
13127-88-3	Phenol-D6		99%				
4165-60-0	Nitrobenzene-D5		62%				
321-60-8	2-Fluorobiphenyl		78%				
118-79-6	2,4,6-Tribromophenol		91%				
1718-51-0	Terphenyl-D14		102%				

FORM I

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SD-40-02

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-7

Matrix: (soil/water) SOIL Lab Sample ID: WV5606-7

Sample wt/vol: 0.030(Kg/mL) KG Lab File ID: K0474

Level: (low/med) LOW Date Received: 10/22/05

% Moisture: 62 decanted: (Y/N) N Date Extracted:10/26/05

Concentrated Extract Volume: 0.001(L) Date Analyzed: 10/31/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 9

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	2.84	400	J
2.	141-79-7	3-PENTEN-2-ONE, 4-METHYL-	4.73	900	NJB
3.		UNKNOWN	5.39	4000	J
4.		UNKNOWN	5.93	100000	J
5.		UNKNOWN	7.12	2000	JB
6.	79-34-5	ETHANE, 1,1,2,2-TETRACHLORO	7.23	400	NJ
7.		UNKNOWN	11.80	800	JB
8.		UNKNOWN ALKANE	18.34	2000	J
9.		C15H12 ISOMER	20.68	900	J
10.					
11.					
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FORM I SV-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/28/05
Analysis Date: 01-NOV-2005 19:56
Report Date: 11/02/2005
Matrix: SOIL
% Solids: 26.7

Lab ID: WV5606-1RA
Client ID: SD-36-SS
SDG: MID-7
Extracted by: GN
Extraction Method: SW846 3550
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG22135
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	64	1.0	17	64	28
11104-28-2	Aroclor-1221	U	64	1.0	17	64	34
11141-16-5	Aroclor-1232	U	64	1.0	17	64	20
53469-21-9	Aroclor-1242	U	64	1.0	17	64	25
12672-29-6	Aroclor-1248	U	64	1.0	17	64	21
11097-69-1	Aroclor-1254	U	64	1.0	17	64	48
11096-82-5	Aroclor-1260		430	1.0	17	64	16
877-09-8	Tetrachloro-m-xylene		79%				
2051-24-3	Decachlorobiphenyl		75%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/28/05
Analysis Date: 01-NOV-2005 20:24
Report Date: 11/02/2005
Matrix: SOIL
% Solids: 23.6

Lab ID: WV5606-2RA
Client ID: SD-37-SS
SDG: MID-7
Extracted by: GN
Extraction Method: SW846 3540
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG22175
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	72	1.0	17	72	32
11104-28-2	Aroclor-1221	U	72	1.0	17	72	38
11141-16-5	Aroclor-1232	U	72	1.0	17	72	22
53469-21-9	Aroclor-1242	U	72	1.0	17	72	28
12672-29-6	Aroclor-1248	U	72	1.0	17	72	24
11097-69-1	Aroclor-1254	U	72	1.0	17	72	54
11096-82-5	Aroclor-1260		240	1.0	17	72	18
877-09-8	Tetrachloro-m-xylene		67%				
2051-24-3	Decachlorobiphenyl		64%				

KATAHDIN ANALYTICAL SERVICES

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/28/05
Analysis Date: 01-NOV-2005 20:52
Report Date: 11/02/2005
Matrix: SOIL
% Solids: 20.7

Lab ID: WV5606-3RA
Client ID: SD-38-SS
SDG: MID-7
Extracted by: GN
Extraction Method: SW846 3540
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG22175
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	82	1.0	17	82	36
11104-28-2	Aroclor-1221	U	82	1.0	17	82	43
11141-16-5	Aroclor-1232	U	82	1.0	17	82	25
53469-21-9	Aroclor-1242	U	82	1.0	17	82	32
12672-29-6	Aroclor-1248	U	82	1.0	17	82	28
11097-69-1	Aroclor-1254	U	82	1.0	17	82	62
11096-82-5	Aroclor-1260		210	1.0	17	82	20
877-09-8	Tetrachloro-m-xylene		69%				
2051-24-3	Decachlorobiphenyl		63%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/28/05
Analysis Date: 01-NOV-2005 18:03
Report Date: 11/02/2005
Matrix: SOIL
% Solids: 29.8

Lab ID: WV5606-4
Client ID: SD-39-SS
SDG: MID-7
Extracted by: GN
Extraction Method: SW846 3540
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG22175
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	57	1.0	17	57	25
11104-28-2	Aroclor-1221	U	57	1.0	17	57	30
11141-16-5	Aroclor-1232	U	57	1.0	17	57	18
53469-21-9	Aroclor-1242	U	57	1.0	17	57	22
12672-29-6	Aroclor-1248	U	57	1.0	17	57	19
11097-69-1	Aroclor-1254	U	57	1.0	17	57	43
11096-82-5	Aroclor-1260		190	1.0	17	57	14
877-09-8	Tetrachloro-m-xylene		87%				
2051-24-3	Decachlorobiphenyl		77%				

KATAHDIN ANALYTICAL SERVICES

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/28/05
Analysis Date: 01-NOV-2005 18:31
Report Date: 11/02/2005
Matrix: SOIL
% Solids: 27.7

Lab ID: WV5606-5
Client ID: SD-40-SS
SDG: MID-7
Extracted by: GN
Extraction Method: SW846 3540
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG22175
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	61	1.0	17	61	27
11104-28-2	Aroclor-1221	U	61	1.0	17	61	32
11141-16-5	Aroclor-1232	U	61	1.0	17	61	19
53469-21-9	Aroclor-1242	U	61	1.0	17	61	24
12672-29-6	Aroclor-1248	U	61	1.0	17	61	21
11097-69-1	Aroclor-1254	U	61	1.0	17	61	46
11096-82-5	Aroclor-1260		360	1.0	17	61	15
877-09-8	Tetrachloro-m-xylene		84%				
2051-24-3	Decachlorobiphenyl		78%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/28/05
Analysis Date: 01-NOV-2005 18:59
Report Date: 11/02/2005
Matrix: SOIL
% Solids: 38.1

Lab ID: WV5606-6
Client ID: SD-40-01
SDG: MID-7
Extracted by: GN
Extraction Method: SW846 3540
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG22175
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	44	1.0	17	44	20
11104-28-2	Aroclor-1221	U	44	1.0	17	44	24
11141-16-5	Aroclor-1232	U	44	1.0	17	44	14
53469-21-9	Aroclor-1242	U	44	1.0	17	44	18
12672-29-6	Aroclor-1248	U	44	1.0	17	44	15
11097-69-1	Aroclor-1254	U	44	1.0	17	44	34
11096-82-5	Aroclor-1260		400	1.0	17	44	11
877-09-8	Tetrachloro-m-xylene		77%				
2051-24-3	Decachlorobiphenyl		75%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/28/05
Analysis Date: 01-NOV-2005 19:27
Report Date: 11/02/2005
Matrix: SOIL
% Solids: 37.6

Lab ID: WV5606-7
Client ID: SD-40-02
SDG: MID-7
Extracted by: GN
Extraction Method: SW846 3540
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG22175
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	45	1.0	17	45	20
11104-28-2	Aroclor-1221	U	45	1.0	17	45	24
11141-16-5	Aroclor-1232	U	45	1.0	17	45	14
53469-21-9	Aroclor-1242	U	45	1.0	17	45	18
12672-29-6	Aroclor-1248	U	45	1.0	17	45	15
11097-69-1	Aroclor-1254	U	45	1.0	17	45	34
11096-82-5	Aroclor-1260		960	1.0	17	45	11
877-09-8	Tetrachloro-m-xylene		84%				
2051-24-3	Decachlorobiphenyl		88%				

Sample Data Summary A0000145

Appendix C

Support Documentation

HOLDTIME

SDG MID-7

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
HG	MG/KG	SD-41-SS	WV5606-008	NM	10/21/2005	10/28/2005	10/31/2005	7	3	10
HG	MG/KG	SD-40-SS	WV5606-005	NM	10/21/2005	10/28/2005	10/31/2005	7	3	10
HG	MG/KG	SD-42-SS	WV5606-009	NM	10/21/2005	10/28/2005	10/31/2005	7	3	10
HG	MG/KG	SD-42-01	WV5606-010	NM	10/21/2005	10/28/2005	10/31/2005	7	3	10
HG	MG/KG	SD-36-SS	WV5606-001	NM	10/21/2005	10/28/2005	10/31/2005	7	3	10
HG	MG/KG	SD-37-SS	WV5606-002	NM	10/21/2005	10/28/2005	10/31/2005	7	3	10
HG	MG/KG	SD-38-SS	WV5606-003	NM	10/21/2005	10/28/2005	10/31/2005	7	3	10
HG	MG/KG	SD-39-SS	WV5606-004	NM	10/21/2005	10/28/2005	10/31/2005	7	3	10
HG	MG/KG	SD-40-01	WV5606-006	NM	10/21/2005	10/28/2005	10/31/2005	7	3	10
HG	MG/KG	SD-40-02	WV5606-007	NM	10/21/2005	10/28/2005	10/31/2005	7	3	10
HG	MG/KG	SD-42-02	WV5606-011	NM	10/21/2005	10/28/2005	10/31/2005	7	3	10
M	MG/KG	SD-39-SS	WV5606-004	NM	10/21/2005	10/25/2005	11/1/2005	4	7	11
M	MG/KG	SD-39-SS	WV5606-004	NM	10/21/2005	10/25/2005	10/31/2005	4	6	10
M	MG/KG	SD-36-SS	WV5606-001	NM	10/21/2005	10/25/2005	11/1/2005	4	7	11
M	MG/KG	SD-37-SS	WV5606-002	NM	10/21/2005	10/25/2005	11/1/2005	4	7	11

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
M	MG/KG	SD-38-SS	WV5606-003	NM	10/21/2005	10/25/2005	10/31/2005	4	6	10
M	MG/KG	SD-41-SS	WV5606-008	NM	10/21/2005	10/25/2005	10/31/2005	4	6	10
M	MG/KG	SD-42-SS	WV5606-009	NM	10/21/2005	10/25/2005	11/1/2005	4	7	11
M	MG/KG	SD-42-SS	WV5606-009	NM	10/21/2005	10/25/2005	10/31/2005	4	6	10
M	MG/KG	SD-42-02	WV5606-011	NM	10/21/2005	10/25/2005	11/2/2005	4	8	12
M	MG/KG	SD-42-02	WV5606-011	NM	10/21/2005	10/25/2005	10/31/2005	4	6	10
M	MG/KG	SD-42-01	WV5606-010	NM	10/21/2005	10/25/2005	11/2/2005	4	8	12
M	MG/KG	SD-38-SS	WV5606-003	NM	10/21/2005	10/25/2005	11/1/2005	4	7	11
M	MG/KG	SD-41-SS	WV5606-008	NM	10/21/2005	10/25/2005	11/1/2005	4	7	11
M	MG/KG	SD-36-SS	WV5606-001	NM	10/21/2005	10/25/2005	10/31/2005	4	6	10
M	MG/KG	SD-40-SS	WV5606-005	NM	10/21/2005	10/25/2005	11/1/2005	4	7	11
M	MG/KG	SD-40-SS	WV5606-005	NM	10/21/2005	10/25/2005	10/31/2005	4	6	10
M	MG/KG	SD-40-02	WV5606-007	NM	10/21/2005	10/25/2005	11/1/2005	4	7	11
M	MG/KG	SD-40-02	WV5606-007	NM	10/21/2005	10/25/2005	10/31/2005	4	6	10
M	MG/KG	SD-40-01	WV5606-006	NM	10/21/2005	10/25/2005	11/1/2005	4	7	11
M	MG/KG	SD-40-01	WV5606-006	NM	10/21/2005	10/25/2005	10/31/2005	4	6	10
M	MG/KG	SD-42-01	WV5606-010	NM	10/21/2005	10/25/2005	10/31/2005	4	6	10
M	MG/KG	SD-37-SS	WV5606-002	NM	10/21/2005	10/25/2005	10/31/2005	4	6	10

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
CR6	MG/KG	SD-39-SS	WV5606-4	NM	10/21/2005	10/28/2005	10/29/2005	7	1	8
CR6	MG/KG	SD-42-SS	WV5606-9	NM	10/21/2005	10/28/2005	10/29/2005	7	1	8
CR6	MG/KG	SD-38-SS	WV5606-3	NM	10/21/2005	10/28/2005	10/29/2005	7	1	8
CR6	MG/KG	SD-40-01	WV5606-6	NM	10/21/2005	10/28/2005	10/29/2005	7	1	8
CR6	MG/KG	SD-40-02	WV5606-7	NM	10/21/2005	10/28/2005	10/29/2005	7	1	8
CR6	MG/KG	SD-40-SS	WV5606-5	NM	10/21/2005	10/28/2005	10/29/2005	7	1	8
CR6	MG/KG	SD-36-SS	WV5606-1	NM	10/21/2005	10/27/2005	10/28/2005	6	1	7
CR6	MG/KG	SD-41-SS	WV5606-8	NM	10/21/2005	10/28/2005	10/29/2005	7	1	8
CR6	MG/KG	SD-42-01	WV5606-10	NM	10/21/2005	10/28/2005	10/29/2005	7	1	8
CR6	MG/KG	SD-42-02	WV5606-11	NM	10/21/2005	10/28/2005	10/29/2005	7	1	8
CR6	MG/KG	SD-37-SS	WV5606-2	NM	10/21/2005	10/28/2005	10/29/2005	7	1	8
TOC	UG/G	SD-39-SS	WV5606-4	NM	10/21/2005	10/29/2005	10/29/2005	8	0	8
TOC	UG/G	SD-40-01	WV5606-6	NM	10/21/2005	10/28/2005	10/28/2005	7	0	7
TOC	UG/G	SD-40-02	WV5606-7	NM	10/21/2005	10/29/2005	10/29/2005	8	0	8
TOC	UG/G	SD-40-SS	WV5606-5	NM	10/21/2005	10/29/2005	10/29/2005	8	0	8
TS	%	SD-42-SS	WV5606-9	NM	10/21/2005	10/25/2005	10/26/2005	4	1	5
TS	%	SD-40-01	WV5606-6	NM	10/21/2005	10/25/2005	10/26/2005	4	1	5
TS	%	SD-42-02	WV5606-11	NM	10/21/2005	10/25/2005	10/26/2005	4	1	5

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
TS	%	SD-42-01	WV5606-10	NM	10/21/2005	10/25/2005	10/26/2005	4	1	5
TS	%	SD-41-SS	WV5606-8	NM	10/21/2005	10/25/2005	10/26/2005	4	1	5
TS	%	SD-39-SS	WV5606-4	NM	10/21/2005	10/25/2005	10/26/2005	4	1	5
TS	%	SD-38-SS	WV5606-3	NM	10/21/2005	10/25/2005	10/26/2005	4	1	5
TS	%	SD-37-SS	WV5606-2	NM	10/21/2005	10/25/2005	10/26/2005	4	1	5
TS	%	SD-36-SS	WV5606-1	NM	10/21/2005	10/25/2005	10/26/2005	4	1	5
TS	%	SD-40-SS	WV5606-5	NM	10/21/2005	10/25/2005	10/26/2005	4	1	5
TS	%	SD-40-02	WV5606-7	NM	10/21/2005	10/25/2005	10/26/2005	4	1	5
OS	%	SD-39-SS	WV5606-4	NM	10/21/2005	10/26/2005	10/30/2005	5	4	9
OS	%	SD-40-SS	WV5606-5	NM	10/21/2005	10/26/2005	10/30/2005	5	4	9
OS	%	SD-40-02	WV5606-7	NM	10/21/2005	10/26/2005	10/31/2005	5	5	10
OS	%	SD-40-01	WV5606-6	NM	10/21/2005	10/26/2005	10/31/2005	5	5	10
OS	%	SD-38-SS	WV5606-3	NM	10/21/2005	10/26/2005	10/30/2005	5	4	9
OS	%	SD-37-SS	WV5606-2	NM	10/21/2005	10/26/2005	10/29/2005	5	3	8
OS	%	SD-36-SS	WV5606-1	NM	10/21/2005	10/26/2005	10/29/2005	5	3	8
OS	UG/KG	SD-36-SS	WV5606-1	NM	10/21/2005	10/26/2005	10/29/2005	5	3	8
OS	UG/KG	SD-40-SS	WV5606-5	NM	10/21/2005	10/26/2005	10/30/2005	5	4	9
OS	UG/KG	SD-40-02	WV5606-7	NM	10/21/2005	10/26/2005	10/31/2005	5	5	10

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
OS	UG/KG	SD-40-01	WV5606-6	NM	10/21/2005	10/26/2005	10/31/2005	5	5	10
OS	UG/KG	SD-39-SS	WV5606-4	NM	10/21/2005	10/26/2005	10/30/2005	5	4	9
OS	UG/KG	SD-38-SS	WV5606-3	NM	10/21/2005	10/26/2005	10/30/2005	5	4	9
OS	UG/KG	SD-37-SS	WV5606-2	NM	10/21/2005	10/26/2005	10/29/2005	5	3	8
OV	%	SD-39-SS	WV5606-4	NM	10/21/2005	10/26/2005	10/26/2005	5	0	5
OV	%	SD-42-01RA	WV5606-10RA	NM	10/21/2005	10/28/2005	10/28/2005	7	0	7
OV	%	SD-36-SSRA	WV5606-1RA	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	%	SD-42-SSRA	WV5606-9RA	NM	10/21/2005	10/28/2005	10/28/2005	7	0	7
OV	%	SD-42-SS	WV5606-9	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	%	SD-38-SS	WV5606-3	NM	10/21/2005	10/26/2005	10/26/2005	5	0	5
OV	%	SD-42-02	WV5606-11	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	%	SD-42-01	WV5606-10	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	%	SD-41-SSRA	WV5606-8RA	NM	10/21/2005	10/28/2005	10/28/2005	7	0	7
OV	%	SD-41-SS	WV5606-8	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	%	SD-40-02RA	WV5606-7RA	NM	10/21/2005	10/28/2005	10/28/2005	7	0	7
OV	%	SD-40-02	WV5606-7	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	%	SD-40-01	WV5606-6	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	%	SD-39-SSRA	WV5606-4RA	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
OV	%	SD-38-SSRA	WV5606-3RA	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	%	SD-37-SSRA	WV5606-2RA	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	%	SD-40-SS	WV5606-5	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	%	SD-37-SS	WV5606-2	NM	10/21/2005	10/26/2005	10/26/2005	5	0	5
OV	%	SD-42-02RA	WV5606-11RA	NM	10/21/2005	10/28/2005	10/28/2005	7	0	7
OV	UG/KG	SD-42-SSRA	WV5606-9RA	NM	10/21/2005	10/28/2005	10/28/2005	7	0	7
OV	UG/KG	SD-41-SS	WV5606-8	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	UG/KG	SD-41-SSRA	WV5606-8RA	NM	10/21/2005	10/28/2005	10/28/2005	7	0	7
OV	UG/KG	SD-42-01	WV5606-10	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	UG/KG	SD-42-01RA	WV5606-10RA	NM	10/21/2005	10/28/2005	10/28/2005	7	0	7
OV	UG/KG	SD-42-02	WV5606-11	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	UG/KG	SD-42-SS	WV5606-9	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	UG/KG	SD-40-01	WV5606-6	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	UG/KG	SD-42-02RA	WV5606-11RA	NM	10/21/2005	10/28/2005	10/28/2005	7	0	7
OV	UG/KG	SD-40-02	WV5606-7	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	UG/KG	SD-39-SSRA	WV5606-4RA	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	UG/KG	SD-39-SS	WV5606-4	NM	10/21/2005	10/26/2005	10/26/2005	5	0	5
OV	UG/KG	SD-38-SSRA	WV5606-3RA	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
OV	UG/KG	SD-38-SS	WV5606-3	NM	10/21/2005	10/26/2005	10/26/2005	5	0	5
OV	UG/KG	SD-37-SSRA	WV5606-2RA	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	UG/KG	SD-37-SS	WV5606-2	NM	10/21/2005	10/26/2005	10/26/2005	5	0	5
OV	UG/KG	SD-36-SSRA	WV5606-1RA	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	UG/KG	SD-40-SS	WV5606-5	NM	10/21/2005	10/27/2005	10/27/2005	6	0	6
OV	UG/KG	SD-40-02RA	WV5606-7RA	NM	10/21/2005	10/28/2005	10/28/2005	7	0	7
PCB	%	SD-38-SSRA	WV5606-3RA	NM	10/21/2005	10/28/2005	11/1/2005	7	4	11
PCB	%	SD-40-SS	WV5606-5	NM	10/21/2005	10/28/2005	11/1/2005	7	4	11
PCB	%	SD-40-02	WV5606-7	NM	10/21/2005	10/28/2005	11/1/2005	7	4	11
PCB	%	SD-39-SS	WV5606-4	NM	10/21/2005	10/28/2005	11/1/2005	7	4	11
PCB	%	SD-37-SSRA	WV5606-2RA	NM	10/21/2005	10/28/2005	11/1/2005	7	4	11
PCB	%	SD-36-SSRA	WV5606-1RA	NM	10/21/2005	10/28/2005	11/1/2005	7	4	11
PCB	%	SD-40-01	WV5606-6	NM	10/21/2005	10/28/2005	11/1/2005	7	4	11
PCB	UG/KG	SD-36-SSRA	WV5606-1RA	NM	10/21/2005	10/28/2005	11/1/2005	7	4	11
PCB	UG/KG	SD-37-SSRA	WV5606-2RA	NM	10/21/2005	10/28/2005	11/1/2005	7	4	11
PCB	UG/KG	SD-38-SSRA	WV5606-3RA	NM	10/21/2005	10/28/2005	11/1/2005	7	4	11
PCB	UG/KG	SD-39-SS	WV5606-4	NM	10/21/2005	10/28/2005	11/1/2005	7	4	11
PCB	UG/KG	SD-40-01	WV5606-6	NM	10/21/2005	10/28/2005	11/1/2005	7	4	11

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
PCB	UG/KG	SD-40-02	WV5606-7	NM	10/21/2005	10/28/2005	11/1/2005	7	4	11
PCB	UG/KG	SD-40-SS	WV5606-5	NM	10/21/2005	10/28/2005	11/1/2005	7	4	11

SDG NARRATIVE
KATAHDIN ANALYTICAL SERVICES
TETRA TECH NUS
CASE MIDDLE RIVER
SDG: MID-7

Sample Receipt

The following samples were received on October 22, 2005 and were logged in under Katahdin Analytical Services work order number WV5606 for a hardcopy due date of October 28, 2005.

KATAHDIN Sample No.	TTNUS Sample Identification
WV5606-1	SD-36-SS
WV5606-2	SD-37-SS
WV5606-3	SD-38-SS
WV5606-4	SD-39-SS
WV5606-5	SD-40-SS
WV5606-6	SD-40-01
WV5606-7	SD-40-02
WV5606-8	SD-41-SS
WV5606-9	SD-42-SS
WV5606-10	SD-42-01
WV5606-11	SD-42-02

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 MID-7 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, U.S. EPA, 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 a "M" (software-generated) on the pertinent quantitation reports.

8260B Analysis

The reported percent recovery acceptance limits for the Laboratory Control Samples (LCSs) are statistically derived for the full list of spiked compounds. 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.

The LCS WG22133-1 had greater than ten percent of the spiked analytes with recoveries that were high or low and outside of the laboratory established acceptance limits. Since all of the samples (with the exception of WV5606-1) were reanalyses, and there were no target analytes detected above the PQL, the samples were not reanalyzed a third time.

Samples WV5606-10 and 11 were initially analyzed outside of the 12-hour analytical shift. The samples were reanalyzed within hold time to confirm either low surrogate recoveries or internal standard failures. The results from both analyses are reported.

One or more target analytes may have been detected above the MDL in some method blanks. Any of these analytes that were also detected in any of the associated samples were flagged with a "B" qualifier indicating that the analyte was detected in the method blank analyzed and/or extracted concurrently with the sample.

Samples WV5606-2, 3, 4, 8, 9RA, 10RA and 11 had recoveries for one or more surrogates that were low and outside of laboratory established acceptance limits. Since the reanalysis results correlated with those from the initial analyses, the samples were not analyzed a third time. The results from both analyses are reported.

Samples WV5606- 7, 9, and 10 had low responses for one or more internal standards that resulted in %D's which were outside the laboratory acceptance limit of -50% to +100% of the response of the internal standard of the daily calibration verification standard. The samples were reanalyzed with similar responses for the internal standards indicating a matrix effect. The results from both analyses are included in the report.

8082 Analysis

The method blanks, WG22135-1 and WG22175-1, and the laboratory control samples, WG22175-2 and 3, had high recoveries for the extraction surrogate TCX on channel A, which were outside of the laboratory established acceptance limits. Since the recoveries for TCX on channel B and DCB on both channels were acceptable, the associated samples were not reextracted.

The LCSD WG22175-3 had a high recovery for Aroclor 1260, which was outside of the laboratory established acceptance limits. Since the LCS had an acceptable recovery, the associated samples were not reextracted.

The closing CV standards (files 6VJ7098 and 6VJ8098) had high responses for Aroclor 1016, Aroclor 1260 and DCB on both channels and TCX on channel A, which resulted in %D's that

were outside of the method acceptance limits of 15%. Since the opening CV's had acceptable responses, the associated samples were not reanalyzed.

The CV standard (file 6VK1002) had a high response for TCX on channel A, which resulted in a %D that was outside of the method acceptance limits of 15%. Since the response was acceptable on channel B, the associated samples were not reanalyzed.

The Form 7 for the CV's (files 6VJ8098, 6VK1026 and 6VK2026) are flagged for the surrogates TCX and/or DCB indicating that the %D's are greater than the method acceptance limit of 15%. With the exception of DCB on channel B for file 6VJ8098, which was high, 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.

For some samples that were reported for Aroclor 1260, the peaks in the sample chromatograms that are specific to Aroclor 1260 are not all proportional to those peaks in the Aroclor 1260 standard. Since most of the peaks were present in the samples for this aroclor, these samples were identified for this aroclor. Samples WV5606-6 and 7 also contained some peaks that were similar to those of Aroclor 1242. Since either some peaks specifically for Aroclor 1242 were not present, or the proportionality of the peaks did not match, these samples were not identified for this aroclor.

8270C Analysis

The reported percent recovery acceptance limits for the Laboratory Control Samples (LCSs) are statistically derived for the full list of spiked compounds. The acceptance limits for the MS/MSD are for a short list of the spiked compounds. 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.

The initial calibration analyzed on 10/07/05 on the K instrument had %RSD values for several analyte that exceeded the method acceptance limit of 15%. For these analytes, either a linear or quadratic model was used for quantitation instead of an average response factor. The target analytes hexachlorocyclopentadiene, 2-chloronaphthalene 4-nitrophenol and benzidine 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 none of the associated samples detected any of the aforementioned target analytes above the PQL, the samples were not reanalyzed.

Samples WV5606-4, 5 and 6 had low recoveries for one surrogate, which were outside the method established limits. The laboratory method blank WG21977-1 had a low recovery for one surrogate, which was outside the laboratory established acceptance limits. The client was contacted and notified the laboratory to accept the data as long as the surrogate recoveries were greater than 15%. Since the recoveries met these criteria, these samples were not reextracted.

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

Metals Analysis

The samples of SDG MID-7 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 Atomic Emission Spectroscopic Analysis (ICP)

Solid-matrix Katahdin Sample Nos. WV5606-(1-11) were digested for ICP analysis on 10/25/05 (QC Batch VJ25ICS0) in accordance with USEPA Method 3050B. Duplicate laboratory control samples were prepared in this digestion batch.

ICP analyses of SDG MID-7 sample digestates were performed using a Thermo Jarrell Ash Trace ICP spectrometer. 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.

Analysis of Mercury by Cold Vapor Atomic Absorption (CVAA)

Solid-matrix Katahdin Sample Nos. WV5606-(1-11) were digested for mercury analysis on 10/28/05 (QC Batch VJ28HGS0) in accordance with USEPA Method 7471A. Duplicate laboratory control samples were prepared in this digestion batch.

Mercury analyses of Katahdin SDG MID-7 sample digestates were performed using a Cetac M6100 automated mercury analyzer. All samples were analyzed within holding times and all analytical run QC criteria were met.

Wet Chemistry Analysis

The samples of SDG MID-7 were analyzed in accordance with the specific methods listed on the Report of Analysis.

Analyses for hexavalent chromium were performed according to "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, U.S. EPA.

Analyses for Total organic Carbon (TOC) were performed according to "Determination of Total Organic Carbon in Sediment", Lloyd Kahn, USEPA Region II, 7/88.

Analyses for total solids were performed according to "U.S. EPA Contract Laboratory Program Statement of Work for Inorganic Analysis", SOW 7/88.

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 time. All quality control criteria were met.

No other deviations were noted by the Wet Chemistry group.

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
11.4.05

Leslie Dimond
Quality Assurance Officer

Katahdin ANALYTICAL SERVICES
P.O. Box 720
Westbrook, ME 04092
Tel: (207) 874-2400
Fax: (207) 775-4029

CHAIN OF CUSTODY

PLEASE BEAR DOWN AND PRINT LEGIBLY IN PEN

Client	Contact	Phone #	Fax #
Tetra Tech NUS, Inc.	Mike Martin	(301) 528 3033	(301) 528 300

Address	City	State	Zip Code
20251 Century Blvd	Germantown	Md	20878

Purchase Order # | Proj. Name / No. LMC – MRC | Katahdin Quote #

Bill (if different than above) Same As Above | Address

Sampler (Print / Sign) Fred Kolberg FK | Copies To:

LAB USE ONLY | WORK ORDER #: WV5604 WV5605 | KATAHDIN PROJECT NUMBER

REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT

AIRBILL NO:

TEMP°C ____ ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	ANALYSIS AND CONTAINER TYPE PRESERVATIVES: Filt. ☐Y ☒N VOCs 2 oz 4 vials/HCl	Filt. ☐Y ☒N P.P. metals 4 oz Glass	Filt. ☐Y ☒N TOC	Filt. ☐Y ☒N SVOCs PCBs 8 oz Glass	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N
SD-15-SS	10/21/05 / 13:20	SED	3	✓	✓		✓						
SD-17-SS	/ 11:30			✓	✓	✓	✓						
SD-18-SS	/ 12:50			✓	✓		✓						
SD-19-SS	/ 9:45			✓	✓	✓	✓						
SD-19-01	/ 10:00			✓	✓	✓	✓						
SD-19-02	/ 10:15			✓	✓	✓	✓						
SD-20-SS	/ 13:00			✓	✓		✓						
SD-21-SS	/ 11:25			✓	✓		✓						
SD-22-SS	/ 13:10			✓	✓		✓						
SD-23-SS	/ 12:40			✓	✓	✓	✓						
SD-24-SS	/ 11:50		↓	✓	✓		✓						
SD-25-SS	/ 11:20		6	✓	✓	✓	✓	+ MS/MSD volumes					
SD-26-SS	/ 12:30		3	✓	✓		✓						
SD-27-SS	/ 11:15		6	✓	✓	✓	✓	+ MS/MSD volumes					
SD-27-01	/ 11:20		3	✓	✓		✓						
SD-27-02	↓ / 11:25	↓	3	✓	✓		✓						

COMMENTS

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
FK 10/21/05	10/21/05 16:00		10/22/05 1035		
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)

COC1

ORIGINAL

0000011

Katahdin ANALYTICAL SERVICES
P.O. Box 720
Westbrook, ME 04092
Tel: (207) 874-2400
Fax: (207) 775-4029

CHAIN OF CUSTODY

PLEASE BEAR DOWN AND PRINT LEGIBLY IN PEN

Client	Contact	Phone #	Fax #
Tetra Tech NUS, Inc.	Mike Martin	(301) 528 3033	(301) 528 30

Address	City	State	Zip Code
20251 Century Blvd	Germantown	Md	20874

Purchase Order #	Proj. Name / No.	Katahdin Quote #

Bill (if different than above) As Above Address

Sampler (Print / Sign) Fred Kolberg FK Copies To:

LAB USE ONLY

WORK ORDER #: MV5605, MV5606

KATAHDIN PROJECT NUMBER

REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT

AIRBILL NO:

TEMP°C ____ ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

*	Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	ANALYSIS AND CONTAINER TYPE PRESERVATIVES: VOCs 1oz/VOA Glass (Filt. ☐Y ☒N)	P.P. METALS (Cr+6) 4oz. Glass (Filt. ☐Y ☒N)	TOC (Filt. ☐Y ☒N)	SVOCs PCBs 8oz g/Glass (Filt. ☐Y ☒N)	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	F ☐Y
	SD-28-SS	10/21/05 11:30	SED	3	✓	✓		✓						
	SD-28-01	11:35			✓	✓		✓						
	SD-28-02	11:40			✓	✓		✓						
	SD-29-SS	10:40			✓	✓		✓						
	SD-29-01	10:50			✓	✓		✓						
	SD-29-02	11:00			✓	✓		✓						
	SD-30-SS	11:15			✓	✓		✓						
	SD-31-SS	11:45			✓	✓		✓						
	SD-31-01	11:50			✓	✓		✓						
	SD-31-02	11:55		6	✓	✓	✓	✓		+ MS/MSD Volumes				
	SD-32-SS	12:20		3	✓	✓		✓						
	SD-33-SS	10:40		3	✓	✓	✓	✓						
	SD-34-SS	10:20		3	✓	✓		✓						
	SD-35-SS	10:10		3	✓	✓	✓	✓						
	SD-36-SS	10:30		3	✓	✓		✓						
	SD37-SS	✓ 12:10	✓	✓3	✓	✓		✓						

COMMENTS

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
FK	10/21/05 15:00		10-22-05 1030		
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)

Katahdin
CAL SERVICES
Westbrook, ME 04092
Tel: (207) 874-2400
Fax: (207) 775-4029

CHAIN OF CUSTODY

PLEASE BEAR DOWN AND PRINT LEGIBLY IN PEN

	Contact	Phone #	Fax #
StraTech NUS, Inc.	Mike Martin	(301) 528 3033	(301) 528 3000

	City	State	Zip Code
20251 Century Blv	Germantown	Md	20874

e Order # | Proj. Name / No. LMC-MRC | Katahdin Quote #

different than above) SAME AS ABOVE | Address

pler (Print / Sign) Fred Kochery FHK | Copies To:

AB USE ONLY | WORK ORDER #: WV3E0C

KATAHDIN PROJECT NUMBER

REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT

AIRBILL NO:

TEMP°C ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

ANALYSIS AND CONTAINER TYPE PRESERVATIVES

Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	Filt. Y/N	VOCs 2 oz/4oz Glass	Filt. Y/N	RP METALS; Cr+6 9-oz Acc	Filt. Y/N	TOC	Filt. Y/N	SVOC/PCBs 8-oz Glass	Filt. Y/N	Filt. Y/N	Filt. Y/N	Filt. Y/N	Filt. Y/N	Filt. Y/N
SD-38-SS	10/24/05 / 12:00	SED	3		✓		✓				✓						
SD-39-SS	/ 10:00				✓		✓		✓		✓						
SD-40-SS	/ 9:00				✓		✓		✓		✓						
SD-40-01	/ 9:15				✓		✓		✓		✓						
SD-40-02	/ 9:30				✓		✓		✓		✓						
SD-41 (FSK) -SS	/ 13:30				✓		✓										
SD-42-SS	/ 7:15				✓		✓										
SD-42-01	/ 7:30				✓		✓										
SD-42-02	/ 7:45				✓		✓										
TBIO2105	/	H_2O	2		✓		✓										
	/																
	/																
	/																
	/																
	/																
	/																

COMMENTS

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
FHK	10/26/05 15:00	Fedex		10/26/05	
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)

ORIGINAL

3-COC1

FORM 5

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-7

Lab File ID: MB303 BFB Injection Date: 10/26/05

Instrument ID: GCMS-M BFB Injection Time: 0717

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.5
75	30.0 - 60.0% of mass 95	47.9
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	93.7
175	5.0 - 9.0% of mass 174	5.8 (6.2)1
176	95.0 - 101.0% of mass 174	89.8 (95.8)1
177	5.0 - 9.0% of mass 176	6.4 (7.1)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		VSTD050M26A	M9807	10/26/05	0745
02		VSTD005M26A	M9810	10/26/05	0940
03		VSTD200M26A	M9811	10/26/05	1019
04		VSTD100M26B	M9813	10/26/05	1158
05		VSTD020M26B	M9814	10/26/05	1302
06		VSTD010M26B	M9815	10/26/05	1340
07					
08					
09					
10					
11					
12					
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14					
15					
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17					
18					
19					
20					
21					
22					

Sample Data Summary A0000073

FORM 6

VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project MIDDLE RIVER SDG No.: MID-7

Instrument ID: GCMS-M Calibration Date(s): 10/26/05 10/26/05

Column: RTX-VMS ID: 0.18 (mm) Calibration Time(s): 0745 1340

LAB FILE ID: RF5: M9810 RF10: M9815 RF20: M9814
RF50: M9807 RF100: M9813 RF200: M9811

COMPOUND	RF5	RF10	RF20	RF50	RF100	RF200	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2
Dichlorodifluoromethane	0.438	0.577	0.566	0.638	0.602	0.592	AVRG		0.56888000		12.125	15.000
Chloromethane	0.655	0.614	0.657	0.723	0.767	0.750	AVRG		0.69438814		8.769	15.000
Vinyl chloride	0.497	0.596	0.646	0.586	0.678	0.685	AVRG		0.61482352		11.483	15.000
Bromomethane	6065	10792	27270	93892	203100	452890	LINR	0.12374413	2.19598299		0.99816	0.99000
Chloroethane	0.292	0.310	0.330	0.302	0.379	0.287	AVRG		0.31663909		10.732	15.000
Trichlorofluoromethane	0.840	1.070	1.127	1.184	1.183	1.085	AVRG		1.08150268		11.805	15.000
Tertiary-butyl alcohol	277	441	36312	58417		272210	LINR	-0.37642524	18.2007177		0.99579	0.99000
1,1-Dichloroethene	0.408	0.471	0.492	0.520	0.512	0.471	AVRG		0.47898330		8.371	15.000
Carbon Disulfide	1.368	1.577	1.601	1.776	1.758	1.551	AVRG		1.60513514		9.356	15.000
Freon-113	0.288	0.411	0.382	0.419	0.410	0.344	AVRG		0.37566767		13.582	15.000
Methylene Chloride	31593	43133	88269	146440	326950	611210	LINR	-0.1255473	1.69783669		0.99867	0.99000
Acetone	5729	4714	21674	45003	98531	196060	LINR	7.782e-002	25.6519688		0.99902	0.99000
trans-1,2-Dichloroethene	0.544	0.503	0.590	0.639	0.639	0.584	AVRG		0.58303997		9.185	15.000
Methyl tert-butyl ether	1.381	1.759	1.962	1.706	1.711	1.703	AVRG		1.70366269		10.942	15.000
Di-isopropyl ether	2.386	2.952	2.843	2.302	2.550	2.674	AVRG		2.61810998		9.716	15.000
1,1-Dichloroethane	1.036	1.191	1.203	1.216	1.214	1.201	AVRG		1.17677554		5.917	15.000
Ethyl tertiary-butyl ethe	1.833	2.352	2.374	2.120	2.214	2.098	AVRG		2.16514593		9.190	15.000
Vinyl Acetate	0.876	0.844	1.182	0.958	0.979	1.033	AVRG		0.97889382		12.372	15.000
cis-1,2-Dichloroethene	0.621	0.640	0.701	0.830	0.774	0.757	AVRG		0.72056154		11.274	15.000
1,2-Dichloroethylene (tot							AVRG					0.000
2,2-Dichloropropane	0.895	0.939	1.022	1.185	1.065	1.023	AVRG		1.02153820		9.932	15.000
Bromochloromethane	0.324	0.289	0.364	0.334	0.328	0.338	AVRG		0.32927179		7.380	15.000
Chloroform	1.150	1.248	1.316	1.512	1.435	1.366	AVRG		1.33782269		9.722	15.000
Carbon Tetrachloride	0.443	0.472	0.575	0.637	0.568	0.582	AVRG		0.54627757		13.463	15.000
1,1,1-Trichloroethane	0.929	1.030	1.128	1.323	1.179	1.127	AVRG		1.11949333		11.937	15.000
1,1-Dichloropropene	0.471	0.374	0.515	0.505	0.528	0.465	AVRG		0.47650926		11.747	15.000
2-Butanone	5506	10726	39776	64634	126240	311330	2ORDR	-0.3018770	21.4374911	-3.9513655	0.99549	0.99000
Benzene	1.322	1.259	1.449	1.418	1.404	1.449	AVRG		1.38364318		5.537	15.000
Tertiary-amyl methyl ethe	1.570	1.948	1.941	1.580	1.839	1.782	AVRG		1.77669471		9.477	15.000
1,2-Dichloroethane	0.517	0.509	0.640	0.570	0.603	0.638	AVRG		0.57954670		9.945	15.000
Trichloroethene	0.385	0.359	0.436	0.431	0.385	0.410	AVRG		0.40105757		7.471	15.000
Dibromomethane	0.271	0.259	0.329	0.300	0.308	0.315	AVRG		0.29708392		9.023	15.000
1,2-Dichloropropane	0.330	0.360	0.391	0.322	0.322	0.384	AVRG		0.35169816		8.905	15.000
Bromodichloromethane	0.581	0.529	0.720	0.608	0.593	0.610	AVRG		0.60694137		10.351	15.000
cis-1,3-dichloropropene	0.619	0.525	0.643	0.605	0.592	0.653	AVRG		0.60615288		7.552	15.000
2-Chloroethylvinylether	6733	13505	40959	82600	197260	361430	LINR	2.072e-002	4.68282779		0.99918	0.99000
Toluene	0.862	0.753	0.964	0.964	0.921	0.859	AVRG		0.88709746		9.057	15.000
4-methyl-2-pentanone	62737	137100	418630	815420	1822200	3343300	LINR	-3.86e-002	2.54792446		0.99905	0.99000
Tetrachloroethene	0.263	0.299	0.339	0.356	0.322	0.394	AVRG		0.32896818		13.843	15.000
trans-1,3-Dichloropropene	0.471	0.482	0.587	0.495	0.574	0.572	AVRG		0.53012146		9.967	15.000
Dibromochloromethane	0.396	0.476	0.567	0.523	0.498	0.603	AVRG		0.51040563		14.238	15.000
1,3-Dichloropropane	0.566	0.639	0.668	0.561	0.535	0.686	AVRG		0.60927507		10.362	15.000
1,2-Dibromoethane	0.333	0.320	0.457	0.403	0.388	0.417	AVRG		0.38621770		13.446	15.000
2-Hexanone	0.290	0.310	0.435	0.330	0.340	0.351	AVRG		0.34270017		14.573	15.000

FORM 6

VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project MIDDLE RIVER SDG No.: MID-7

Instrument ID: GCMS-M Calibration Date(s): 10/26/05 10/26/05

Column: RTX-VMS ID: 0.18 (mm) Calibration Time(s): 0745 1340

LAB FILE ID: RF5: M9810 RF10: M9815 RF20: M9814
RF50: M9807 RF100: M9813 RF200: M9811

COMPOUND	RF5	RF10	RF20	RF50	RF100	RF200	CURVE	COEFFICENTS A0	COEFFICENTS A1	COEFFICENTS A2	%RSD OR R^2	MAX %RSD OR R^2
Chlorobenzene	1.108	1.130	1.229	1.200	1.128	1.275	AVRG		1.17810372		5.661	15.000
Ethylbenzene	1.647	1.724	2.086	1.942	1.835	2.127	AVRG		1.89361467		10.213	15.000
1,1,1,2-Tetrachloroethane	0.385	0.429	0.448	0.437	0.413	0.483	AVRG		0.43246910		7.671	15.000
Xylenes (total)							AVRG				0.000	
m+p-Xylenes	0.640	0.707	0.738	0.652	0.633	0.752	AVRG		0.68709182		7.577	15.000
o-Xylene	0.660	0.616	0.704	0.744	0.606	0.774	AVRG		0.68414119		9.970	15.000
Styrene	1.028	1.038	1.256	1.170	1.037	1.218	AVRG		1.12447243		9.088	15.000
Bromoform	0.289	0.280	0.321	0.328	0.302	0.392	AVRG		0.31872093		12.601	15.000
Isopropylbenzene	3.916	3.658	3.720	3.940	3.350	3.948	AVRG		3.75543885		6.216	15.000
Bromobenzene	0.899	1.101	1.077	1.337	1.156	1.025	AVRG		1.09911476		13.236	15.000
N-Propylbenzene	4.396	4.811	5.286	5.838	5.520	4.742	AVRG		5.09875483		10.610	15.000
1,1,2,2-Tetrachloroethane	1.070	1.017	1.152	1.128	1.211	1.049	AVRG		1.10448395		6.550	15.000
2-Chlorotoluene	3.298	3.514	3.904	4.209	3.412	3.187	AVRG		3.58719248		10.912	15.000
1,2,3-Trichloropropane	28176	37128	70445	133020	219710	471740	LINR	-0.2104285	1.46154972		0.99425	0.99000
4-Chlorotoluene	2.867	2.911	3.179	3.711	3.320	2.813	AVRG		3.13353685		10.990	15.000
tert-Butylbenzene	38004	69603	170950	586750		2541600	LINR	5.275e-002	0.25196328		0.99769	0.99000
1,2,4-Trimethylbenzene	3.286	3.347	3.065	4.397	3.397	3.102	AVRG		3.43245627		14.304	15.000
P-Isopropyltoluene	3.797	3.211	3.218	4.083	3.813	3.413	AVRG		3.58916152		10.036	15.000
1,3-Dichlorobenzene	2.026	1.739	1.822	2.332	1.915	1.930	AVRG		1.96065595		10.536	15.000
1,4-Dichlorobenzene	1.757	1.577	1.891	2.304	1.720	1.684	AVRG		1.82199754		14.106	15.000
N-Butylbenzene	3.201	3.380	3.274	4.268	3.400	2.825	AVRG		3.39108160		14.072	15.000
sec-Butylbenzene	59574	141330	276660	776300	1618500	2434400	2ORDR	0.17086842	4.969e-002	1.364e-002	0.99431	0.99000
1,2-Dichlorobenzene	1.720	1.800	1.784	2.059	1.923	1.780	AVRG		1.84427796		6.749	15.000
1,2-Dibromo-3-Chloropropa	0.479	0.534	0.555	0.655	0.493	0.501	AVRG		0.53610681		12.045	15.000
Hexachlorobutadiene	0.542	0.610	0.605	0.827	0.654	0.690	AVRG		0.65486378		14.982	15.000
1,2,4-Trichlorobenzene	16673	27614	71027	223880	370420	758070	2ORDR	5.518e-002	0.63365823	4.757e-002	0.99315	0.99000
1,2,3-Trimethylbenzene	2.154	2.374	2.482	2.493	2.133	2.271	AVRG		2.31778865		6.786	15.000
Naphthalene	30164	72467	200230	433210	809900	1552400	LINR	-9.71e-002	0.41929941		0.99209	0.99000
1,2,3-Trichlorobenzene	0.893	1.069	1.118	1.343	1.053	0.994	AVRG		1.07838575		14.003	15.000
Dibromofluoromethane	0.676		0.804	0.870	0.814	0.778	AVRG		0.78881949		9.028	15.000
1,2-Dichloroethane-D4	0.749	0.885	0.889	0.786	0.825	0.868	AVRG		0.83384545		6.858	15.000
Toluene-D8	1.262	1.454	1.318	1.218	1.062	1.234	AVRG		1.25787121		10.212	15.000
P-Bromofluorobenzene	0.555	0.541	0.477	0.521	0.420	0.511	AVRG		0.50405671		9.780	15.000

FORM VI VOA

FORM 6

VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project MIDDLE RIVER SDG No.: MID-7

Instrument ID: GCMS-M Calibration Date(s): 10/26/05 10/26/05

Column: RTX-VMS ID: 0.18 (mm) Calibration Time(s): 0745 1340

Average %RSD test result.
Calculate Average %RSD: 10.51543236
Maximum Average %RSD: 15.00000000
Note: Passes Average %RSD Test.

FORM VI VOA

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-7

Lab File ID: MB304 BFB Injection Date: 10/26/05

Instrument ID: GCMS-M BFB Injection Time: 1532

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.4
75	30.0 - 60.0% of mass 95	50.5
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	8.3
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	77.2
175	5.0 - 9.0% of mass 174	6.9 (9.0)1
176	95.0 - 101.0% of mass 174	75.3 (97.6)1
177	5.0 - 9.0% of mass 176	5.2 (6.9)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		VSTD050M26A	M9817	10/26/05	1559
02	WG22077-LCS	WG22077-1	M9819	10/26/05	1724
03	WG22077-BLANK	WG22077-2	M9821	10/26/05	1843
04	SD-37-SS	WV5606-2	M9827	10/26/05	2234
05	SD-38-SS	WV5606-3	M9828	10/26/05	2312
06	SD-39-SS	WV5606-4	M9829	10/26/05	2351
07	SD-40-SS	WV5606-5	M9830	10/27/05	0030
08	SD-40-01	WV5606-6	M9831	10/27/05	0108
09	SD-40-02	WV5606-7	M9832	10/27/05	0147
10	SD-41-SS	WV5606-8	M9833	10/27/05	0225
11	SD-42-SS	WV5606-9	M9834	10/27/05	0303
12	SD-42-01	WV5606-10	M9835	10/27/05	0342
13	SD-42-02	WV5606-11	M9836	10/27/05	0420
14					
15					
16					
17					
18					
19					
20					
21					
22					

VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-7

Instrument ID: GCMS-M Calibration Date: 10/26/05 Time: 1559

Lab File ID: M9817 Init. Calib. Date(s): 10/26/05 10/26/05

Init. Calib. Times: 0745 1340

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	
Dichlorodifluoromethane	0.5690000	0.5431200	0.5431200	0.01	-4.55		AVRG	
Chloromethane	0.6940000	0.7106800	0.7106800	0.1	2.40		AVRG	
Vinyl chloride	0.6150000	0.6493500	0.6493500	0.01	5.58	20.00	AVRG	
Bromomethane	46.518000	50.000000	0.3673200	0.01	-6.96		LINR	
Chloroethane	0.3170000	0.3379200	0.3379200	0.01	6.60		AVRG	
Trichlorofluoromethane	1.0820000	1.0773000	1.0773000	0.01	-0.43		AVRG	
Tertiary-butyl alcohol	0.0000000	250.00000	0.0000000	0.01	0.00		LINR	<-
1,1-Dichloroethene	0.4790000	0.4679400	0.4679400	0.1	-2.31	20.00	AVRG	
Carbon Disulfide	1.6050000	1.6620000	1.6620000	0.01	3.55		AVRG	
Freon-113	0.3760000	0.3712800	0.3712800	0.01	-1.26		AVRG	
Methylene Chloride	47.266000	50.000000	0.6307300	0.01	-5.47		LINR	
Acetone	86.429000	250.00000	1.29e-002	0.01	-65.43		LINR	
trans-1,2-Dichloroethene	0.5830000	0.6658500	0.6658500	0.01	14.21		AVRG	
Methyl tert-butyl ether	1.7040000	1.7446000	1.7446000	0.01	2.38		AVRG	
Di-isopropyl ether	2.6180000	2.6143000	2.6143000	0.01	-0.14		AVRG	
1,1-Dichloroethane	1.1770000	1.2511000	1.2511000	0.3	6.30		AVRG	
Ethyl tertiary-butyl ether	2.1650000	1.2210000	1.2210000	0.01	-43.60		AVRG	
Vinyl Acetate	0.9790000	1.0489000	1.0489000	0.01	7.14		AVRG	
cis-1,2-Dichloroethene	0.7200000	0.7437600	0.7437600	0.01	3.30		AVRG	
1,2-Dichloroethylene (total)	0.0000000	0.7048100	0.7048100	0.01	0.00		AVRG	<-
2,2-Dichloropropane	1.0220000	0.9662800	0.9662800	0.01	-5.45		AVRG	
Bromochloromethane	0.3300000	0.3316000	0.3316000	0.01	0.48		AVRG	
Chloroform	1.3380000	1.2913000	1.2913000	0.01	-3.49	20.00	AVRG	
Carbon Tetrachloride	0.5460000	0.5594800	0.5594800	0.01	2.47		AVRG	
1,1,1-Trichloroethane	1.1190000	1.0971000	1.0971000	0.01	-1.96		AVRG	
1,1-Dichloropropene	0.4760000	0.5461600	0.5461600	0.01	14.74		AVRG	
2-Butanone	113.60000	250.00000	2.46e-002	0.01	-54.56		2RDR	
Benzene	1.3840000	1.5125000	1.5125000	0.01	9.28		AVRG	
Tertiary-amyl methyl ether	1.7770000	1.8136000	1.8136000	0.01	2.06		AVRG	

FORM 7B

VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-7

Instrument ID: GCMS-M Calibration Date: 10/26/05 Time: 1559

Lab File ID: M9817 Init. Calib. Date(s): 10/26/05 10/26/05

Init. Calib. Times: 0745 1340

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	
1,2-Dichloroethane	0.5800000	0.6546800	0.6546800	0.01	12.88		AVRG	
Trichloroethene	0.4010000	0.4420000	0.4420000	0.01	10.22		AVRG	
Dibromomethane	0.2970000	0.3221900	0.3221900	0.01	8.48		AVRG	
1,2-Dichloropropane	0.3520000	0.3606200	0.3606200	0.01	2.45	20.00	AVRG	
Bromodichloromethane	0.6070000	0.6954800	0.6954800	0.01	14.58		AVRG	
cis-1,3-dichloropropene	0.6060000	0.7140000	0.7140000	0.01	17.82		AVRG	
2-Chloroethylvinylether	57.466000	50.000000	0.2410100	0.01	14.93		LINR	
Toluene	0.8870000	0.9235100	0.9235100	0.01	4.12	20.00	AVRG	
4-methyl-2-pentanone	294.37000	250.00000	0.4651600	0.01	17.75		LINR	
Tetrachloroethene	0.3290000	0.3213600	0.3213600	0.01	-2.32		AVRG	
trans-1,3-Dichloropropene	0.5300000	0.5750200	0.5750200	0.01	8.49		AVRG	
Dibromochloromethane	0.5100000	0.5323000	0.5323000	0.01	4.37		AVRG	
1,3-Dichloropropane	0.6090000	0.6141200	0.6141200	0.01	0.84		AVRG	
1,2-Dibromoethane	0.3860000	0.4160000	0.4160000	0.01	7.77		AVRG	
2-Hexanone	0.3430000	0.3874700	0.3874700	0.01	12.96		AVRG	
Chlorobenzene	1.1780000	1.2758000	1.2758000	0.3	8.30		AVRG	
Ethylbenzene	1.8940000	2.2388000	2.2388000	0.01	18.20	20.00	AVRG	
1,1,1,2-Tetrachloroethane	0.4320000	0.4489200	0.4489200	0.01	3.92		AVRG	
Xylenes (total)	0.0000000	0.7307100	0.7307100	0.01	0.00		AVRG	<-
m+p-Xylenes	0.6870000	0.7393600	0.7393600	0.01	7.62		AVRG	
o-Xylene	0.6840000	0.7134000	0.7134000	0.01	4.30		AVRG	
Styrene	1.1240000	1.0697000	1.0697000	0.01	-4.83		AVRG	
Bromoform	0.3190000	0.3221700	0.3221700	0.1	0.99		AVRG	
Isopropylbenzene	3.7550000	3.8076000	3.8076000	0.01	1.40		AVRG	
Bromobenzene	1.0990000	0.9989100	0.9989100	0.01	-9.11		AVRG	
N-Propylbenzene	5.0990000	4.5103000	4.5103000	0.01	-11.54		AVRG	
1,1,2,2-Tetrachloroethane	1.1040000	1.0854000	1.0854000	0.3	-1.68		AVRG	
2-Chlorotoluene	3.5870000	3.4497000	3.4497000	0.01	-3.83		AVRG	
1,2,3-Trichloropropane	46.708000	50.000000	0.7831300	0.01	-6.58		LINR	

VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-7

Instrument ID: GCMS-M Calibration Date: 10/26/05 Time: 1559

Lab File ID: M9817 Init. Calib. Date(s): 10/26/05 10/26/05

Init. Calib. Times: 0745 1340

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
4-Chlorotoluene	3.1340000	2.9117000	2.9117000	0.01	-7.09		AVRG
tert-Butylbenzene	36.939000	50.000000	2.7227000	0.01	-26.12		LINR
1,2,4-Trimethylbenzene	3.4320000	3.2272000	3.2272000	0.01	-5.97		AVRG
P-Isopropyltoluene	3.5890000	3.2444000	3.2444000	0.01	-9.60		AVRG
1,3-Dichlorobenzene	1.9610000	1.6708000	1.6708000	0.01	-14.80		AVRG
1,4-Dichlorobenzene	1.8220000	1.7118000	1.7118000	0.01	-6.05		AVRG
N-Butylbenzene	3.3910000	3.0269000	3.0269000	0.01	-10.74		AVRG
sec-Butylbenzene	28.211000	50.000000	3.8491000	0.01	-43.58		2RDR
1,2-Dichlorobenzene	1.8440000	1.7422000	1.7422000	0.01	-5.52		AVRG
1,2-Dibromo-3-Chloropropane	0.5360000	0.4757400	0.4757400	0.01	-11.24		AVRG
Hexachlorobutadiene	0.6550000	0.5863700	0.5863700	0.01	-10.48		AVRG
1,2,4-Trichlorobenzene	38.881000	50.000000	1.0563000	0.01	-22.24		2RDR
1,2,3-Trimethylbenzene	2.3180000	2.1672000	2.1672000	0.01	-6.50		AVRG
Naphthalene	47.770000	50.000000	2.5101000	0.01	-4.46		LINR
1,2,3-Trichlorobenzene	1.0780000	0.8578900	0.8578900	0.01	-20.42		AVRG
Dibromofluoromethane	0.7880000	0.7530200	0.7530200	0.01	-4.44		AVRG
1,2-Dichloroethane-D4	0.8340000	0.8225500	0.8225500	0.01	-1.37		AVRG
Toluene-D8	1.2580000	1.3044000	1.3044000	0.01	3.69		AVRG
P-Bromofluorobenzene	0.5040000	0.5659600	0.5659600	0.01	12.29		AVRG

FORM 5

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-7

Lab File ID: MB306 BFB Injection Date: 10/27/05

Instrument ID: GCMS-M BFB Injection Time: 1757

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	21.0
75	30.0 - 60.0% of mass 95	42.6
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	7.4
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	76.6
175	5.0 - 9.0% of mass 174	5.3 (6.9)1
176	95.0 - 101.0% of mass 174	74.8 (97.6)1
177	5.0 - 9.0% of mass 176	4.9 (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:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		VSTD050M27A	M9856	10/27/05	1824
02	WG22133-LCS	WG22133-1	M9858	10/27/05	1943
03	WG22133-BLANK	WG22133-2	M9860	10/27/05	2100
04	SD-36-SS	WV5606-1RA	M9861	10/27/05	2138
05	SD-37-SS	WV5606-2RA	M9862	10/27/05	2217
06	SD-38-SS	WV5606-3RA	M9863	10/27/05	2255
07	SD-39-SS	WV5606-4RA	M9864	10/27/05	2334
08	SD-40-02	WV5606-7RA	M9865	10/28/05	0012
09	SD-41-SS	WV5606-8RA	M9866	10/28/05	0051
10	SD-42-SS	WV5606-9RA	M9867	10/28/05	0130
11	SD-42-01	WV5606-10RA	M9868	10/28/05	0208
12	SD-42-02	WV5606-11RA	M9869	10/28/05	0247
13					
14					
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FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-7

Instrument ID: GCMS-M Calibration Date: 10/27/05 Time: 1824

Lab File ID: M9856 Init. Calib. Date(s): 10/26/05 10/26/05

Init. Calib. Times: 0745 1340

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	
Dichlorodifluoromethane	0.5690000	0.5349300	0.5349300	0.01	-5.99		AVRG	
Chloromethane	0.6940000	0.6572400	0.6572400	0.1	-5.30		AVRG	
Vinyl chloride	0.6150000	0.5488100	0.5488100	0.01	-10.76	20.00	AVRG	
Bromomethane	44.946000	50.000000	0.3530000	0.01	-10.11		LINR	
Chloroethane	0.3170000	0.3237700	0.3237700	0.01	2.14		AVRG	
Trichlorofluoromethane	1.0820000	1.1431000	1.1431000	0.01	5.65		AVRG	
Tertiary-butyl alcohol	0.0000000	250.00000	0.0000000	0.01	0.00		LINR	<-
1,1-Dichloroethene	0.4790000	0.5024900	0.5024900	0.1	4.90	20.00	AVRG	
Carbon Disulfide	1.6050000	1.5866000	1.5866000	0.01	-1.15		AVRG	
Freon-113	0.3760000	0.3778000	0.3778000	0.01	0.48		AVRG	
Methylene Chloride	48.238000	50.000000	0.6421800	0.01	-3.52		LINR	
Acetone	166.62000	250.00000	2.54e-002	0.01	-33.35		LINR	
trans-1,2-Dichloroethene	0.5830000	0.5476300	0.5476300	0.01	-6.07		AVRG	
Methyl tert-butyl ether	1.7040000	1.7752000	1.7752000	0.01	4.18		AVRG	
Di-isopropyl ether	2.6180000	2.5253000	2.5253000	0.01	-3.54		AVRG	
1,1-Dichloroethane	1.1770000	1.1569000	1.1569000	0.3	-1.71		AVRG	
Ethyl tertiary-butyl ether	2.1650000	2.2395000	2.2395000	0.01	3.44		AVRG	
Vinyl Acetate	0.9790000	0.9517700	0.9517700	0.01	-2.78		AVRG	
cis-1,2-Dichloroethene	0.7200000	0.7269400	0.7269400	0.01	0.96		AVRG	
1,2-Dichloroethylene (total)	0.0000000	0.6372900	0.6372900	0.01	0.00		AVRG	<-
2,2-Dichloropropane	1.0220000	0.9214800	0.9214800	0.01	-9.84		AVRG	
Bromochloromethane	0.3300000	0.3175300	0.3175300	0.01	-3.78		AVRG	
Chloroform	1.3380000	1.2574000	1.2574000	0.01	-6.02	20.00	AVRG	
Carbon Tetrachloride	0.5460000	0.5225800	0.5225800	0.01	-4.29		AVRG	
1,1,1-Trichloroethane	1.1190000	1.1745000	1.1745000	0.01	4.96		AVRG	
1,1-Dichloropropene	0.4760000	0.4873500	0.4873500	0.01	2.38		AVRG	
2-Butanone	116.46000	250.00000	2.51e-002	0.01	-53.42		2RDR	
Benzene	1.3840000	1.3813000	1.3813000	0.01	-0.20		AVRG	
Tertiary-amyl methyl ether	1.7770000	1.9654000	1.9654000	0.01	10.60		AVRG	

FORM 7B

VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-7

Instrument ID: GCMS-M Calibration Date: 10/27/05 Time: 1824

Lab File ID: M9856 Init. Calib. Date(s): 10/26/05 10/26/05

Init. Calib. Times: 0745 1340

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	
1,2-Dichloroethane	0.5800000	0.6125100	0.6125100	0.01	5.60		AVRG	
Trichloroethene	0.4010000	0.3955400	0.3955400	0.01	-1.36		AVRG	
Dibromomethane	0.2970000	0.3086100	0.3086100	0.01	3.91		AVRG	
1,2-Dichloropropane	0.3520000	0.3481200	0.3481200	0.01	-1.10	20.00	AVRG	
Bromodichloromethane	0.6070000	0.6152400	0.6152400	0.01	1.36		AVRG	
cis-1,3-dichloropropene	0.6060000	0.5700800	0.5700800	0.01	-5.93		AVRG	
2-Chloroethylvinylether	43.676000	50.000000	0.1821100	0.01	-12.65		LINR	
Toluene	0.8870000	0.8573100	0.8573100	0.01	-3.35	20.00	AVRG	
4-methyl-2-pentanone	260.97000	250.00000	0.4127300	0.01	4.39		LINR	
Tetrachloroethene	0.3290000	0.3735800	0.3735800	0.01	13.55		AVRG	
trans-1,3-Dichloropropene	0.5300000	0.5155000	0.5155000	0.01	-2.74		AVRG	
Dibromochloromethane	0.5100000	0.5591000	0.5591000	0.01	9.63		AVRG	
1,3-Dichloropropane	0.6090000	0.6523600	0.6523600	0.01	7.12		AVRG	
1,2-Dibromoethane	0.3860000	0.3956800	0.3956800	0.01	2.51		AVRG	
2-Hexanone	0.3430000	0.3421300	0.3421300	0.01	-0.25		AVRG	
Chlorobenzene	1.1780000	1.1047000	1.1047000	0.3	-6.22		AVRG	
Ethylbenzene	1.8940000	2.0135000	2.0135000	0.01	6.31	20.00	AVRG	
1,1,1,2-Tetrachloroethane	0.4320000	0.4449900	0.4449900	0.01	3.01		AVRG	
Xylenes (total)	0.0000000	0.7373500	0.7373500	0.01	0.00		AVRG	<-
m+p-Xylenes	0.6870000	0.7566900	0.7566900	0.01	10.14		AVRG	
o-Xylene	0.6840000	0.6986600	0.6986600	0.01	2.14		AVRG	
Styrene	1.1240000	1.2032000	1.2032000	0.01	7.05		AVRG	
Bromoform	0.3190000	0.3668700	0.3668700	0.1	15.01		AVRG	
Isopropylbenzene	3.7550000	3.5071000	3.5071000	0.01	-6.60		AVRG	
Bromobenzene	1.0990000	1.0469000	1.0469000	0.01	-4.74		AVRG	
N-Propylbenzene	5.0990000	4.8934000	4.8934000	0.01	-4.03		AVRG	
1,1,2,2-Tetrachloroethane	1.1040000	1.0708000	1.0708000	0.3	-3.01		AVRG	
2-Chlorotoluene	3.5870000	3.2641000	3.2641000	0.01	-9.00		AVRG	
1,2,3-Trichloropropane	46.007000	50.000000	0.7735400	0.01	-7.99		LINR	

FORM 7B

VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-7

Instrument ID: GCMS-M Calibration Date: 10/27/05 Time: 1824

Lab File ID: M9856 Init. Calib. Date(s): 10/26/05 10/26/05

Init. Calib. Times: 0745 1340

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
4-Chlorotoluene	3.1340000	2.7042000	2.7042000	0.01	-13.71		AVRG
tert-Butylbenzene	35.673000	50.000000	2.6222000	0.01	-28.65		LINR
1,2,4-Trimethylbenzene	3.4320000	2.9748000	2.9748000	0.01	-13.32		AVRG
P-Isopropyltoluene	3.5890000	2.9520000	2.9520000	0.01	-17.75		AVRG
1,3-Dichlorobenzene	1.9610000	1.7869000	1.7869000	0.01	-8.88		AVRG
1,4-Dichlorobenzene	1.8220000	1.6561000	1.6561000	0.01	-9.10		AVRG
N-Butylbenzene	3.3910000	3.2921000	3.2921000	0.01	-2.92		AVRG
sec-Butylbenzene	29.481000	50.000000	4.0110000	0.01	-41.04		2RDR
1,2-Dichlorobenzene	1.8440000	1.6680000	1.6680000	0.01	-9.54		AVRG
1,2-Dibromo-3-Chloropropane	0.5360000	0.4515400	0.4515400	0.01	-15.76		AVRG
Hexachlorobutadiene	0.6550000	0.5925300	0.5925300	0.01	-9.54		AVRG
1,2,4-Trichlorobenzene	35.001000	50.000000	0.9499100	0.01	-30.00		2RDR
1,2,3-Trimethylbenzene	2.3180000	2.3912000	2.3912000	0.01	3.16		AVRG
Naphthalene	40.532000	50.000000	2.1648000	0.01	-18.94		LINR
1,2,3-Trichlorobenzene	1.0780000	0.6937700	0.6937700	0.01	-35.64		AVRG
Dibromofluoromethane	0.7880000	0.7994800	0.7994800	0.01	1.46		AVRG
1,2-Dichloroethane-D4	0.8340000	0.8822400	0.8822400	0.01	5.78		AVRG
Toluene-D8	1.2580000	1.1047000	1.1047000	0.01	-12.19		AVRG
P-Bromofluorobenzene	0.5040000	0.4712100	0.4712100	0.01	-6.51		AVRG

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-7

Lab File ID (Standard): M9817 Date Analyzed: 10/26/05

Instrument ID: GCMS-M Time Analyzed: 1559

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

		IS1(PFB)		IS2(DFB)		IS3(CBZ)	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		255098	9.21	401857	9.89	368171	13.06
UPPER LIMIT		510196	9.71	803714	10.39	736342	13.56
LOWER LIMIT		127549	8.71	200929	9.39	184086	12.56
	CLIENT SAMPLE ID	LAB SAMPLE ID					
01	WG22077-LCS	WG22077-1	267845	9.20	426142	9.89	358791	13.06
02	WG22077-BLANK	WG22077-2	253839	9.20	459819	9.89	379196	13.06
03	SD-37-SS	WV5606-2	248683	9.19	383519	9.89	269206	13.06
04	SD-38-SS	WV5606-3	231315	9.19	355272	9.89	289936	13.06
05	SD-39-SS	WV5606-4	223703	9.20	402484	9.89	286543	13.05
06	SD-40-SS	WV5606-5	229587	9.19	401639	9.89	270940	13.04
07	SD-40-01	WV5606-6	228135	9.19	387818	9.88	276853	13.05
08	SD-40-02	WV5606-7	218895	9.19	366278	9.89	261868	13.04
09	SD-41-SS	WV5606-8	232189	9.20	394784	9.88	315471	13.05
10	SD-42-SS	WV5606-9	214399	9.19	371069	9.89	262627	13.04
11	SD-42-01	WV5606-10	213213	9.19	356772	9.89	265735	13.04
12	SD-42-02	WV5606-11	220752	9.19	406691	9.88	299633	13.05
13								
14								
15								
16								
17								
18								
19								
20								

IS1 (PFB) = Pentafluorobenzene
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-D5

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 values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM 8

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-7

Lab File ID (Standard): M9817 Date Analyzed: 10/26/05

Instrument ID: GCMS-M Time Analyzed: 1559

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

		IS4(DCB) AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		160674	14.75				
UPPER LIMIT		321348	15.25				
LOWER LIMIT		80337	14.25				
	CLIENT SAMPLE ID	LAB SAMPLE ID					
01	WG22077-LCS	WG22077-1	153966	14.75				
02	WG22077-BLANK	WG22077-2	150117	14.74				
03	SD-37-SS	WV5606-2	147208	14.74				
04	SD-38-SS	WV5606-3	94575	14.74				
05	SD-39-SS	WV5606-4	90625	14.74				
06	SD-40-SS	WV5606-5	92204	14.74				
07	SD-40-01	WV5606-6	89026	14.74				
08	SD-40-02	WV5606-7	57851*	14.74				
09	SD-41-SS	WV5606-8	126795	14.74				
10	SD-42-SS	WV5606-9	66606*	14.74				
11	SD-42-01	WV5606-10	72868*	14.74				
12	SD-42-02	WV5606-11	145282	14.74				
13								
14								
15								
16								
17								
18								
19								
20								

IS4 (DCB) = 1,4-Dichlorobenzene-D4

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 values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

FORM 8

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-7

Lab File ID (Standard): M9856 Date Analyzed: 10/27/05

Instrument ID: GCMS-M Time Analyzed: 1824

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

		IS1(PFB) AREA #	RT #	IS2(DFB) AREA #	RT #	IS3(CBZ) AREA #	RT #
12 HOUR STD		235130	9.18	400154	9.88	313389	13.05
UPPER LIMIT		470260	9.68	800308	10.38	626778	13.55
LOWER LIMIT		117565	8.68	200077	9.38	156695	12.55
	CLIENT SAMPLE ID	LAB SAMPLE ID					
01	WG22133-LCS	WG22133-1	230898	9.18	370811	9.87	319917	13.04
02	WG22133-BLANK	WG22133-2	224349	9.18	380208	9.87	340290	13.04
03	SD-36-SS	WV5606-1RA	230978	9.18	343583	9.87	286633	13.04
04	SD-37-SS	WV5606-2RA	231637	9.17	329655	9.87	294478	13.04
05	SD-38-SS	WV5606-3RA	206183	9.18	353852	9.87	239910	13.04
06	SD-39-SS	WV5606-4RA	220280	9.17	383757	9.87	290652	13.04
07	SD-40-02	WV5606-7RA	229217	9.18	371607	9.86	275898	13.04
08	SD-41-SS	WV5606-8RA	211696	9.17	325572	9.87	271633	13.04
09	SD-42-SS	WV5606-9RA	201568	9.18	358871	9.87	298670	13.04
10	SD-42-01	WV5606-10RA	200810	9.17	299529	9.86	238670	13.05
11	SD-42-02	WV5606-11RA	205899	9.17	328319	9.87	255269	13.04
12								
13								
14								
15								
16								
17								
18								
19								
20								

IS1 (PFB) = Pentafluorobenzene
IS2 (DFB) = 1,4-Difluorobenzene
IS3 (CBZ) = Chlorobenzene-D5

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 values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM 8

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-7

Lab File ID (Standard): M9856 Date Analyzed: 10/27/05

Instrument ID: GCMS-M Time Analyzed: 1824

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

		IS4(DCB) AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD		154959	14.74				
UPPER LIMIT		309918	15.24				
LOWER LIMIT		77480	14.24				
	CLIENT SAMPLE ID	LAB SAMPLE ID					
01	WG22133-LCS	WG22133-1	146705	14.74				
02	WG22133-BLANK	WG22133-2	132145	14.74				
03	SD-36-SS	WV5606-1RA	114454	14.73				
04	SD-37-SS	WV5606-2RA	115488	14.73				
05	SD-38-SS	WV5606-3RA	92157	14.74				
06	SD-39-SS	WV5606-4RA	138626	14.73				
07	SD-40-02	WV5606-7RA	119373	14.74				
08	SD-41-SS	WV5606-8RA	93907	14.73				
09	SD-42-SS	WV5606-9RA	133559	14.74				
10	SD-42-01	WV5606-10RA	69649*	14.73				
11	SD-42-02	WV5606-11RA	120701	14.73				
12								
13								
14								
15								
16								
17								
18								
19								
20								

IS4 (DCB) = 1,4-Dichlorobenzene-D4

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 values outside QC limits with an asterisk.
* Values outside of QC limits.

FORM VIII VOA

FORM 2

SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-7

Level: (low/med) LOW

	CLIENT SAMPLE ID	LAB SAMPLE ID	SMC1 DBF#	SMC2 DCA#	SMC3 TOL#	SMC4 BFB#	TOT OUT
01	WG22077-LCS	WG22077-1	97	94	108	106	0
02	WG22077-BLANK	WG22077-2	87	93	77	72	0
03	SD-37-SS	WV5606-2	43*	51*	61*	29*	4
04	SD-38-SS	WV5606-3	48*	83	91	74	1
05	SD-39-SS	WV5606-4	48*	80	75	54	1
06	SD-40-SS	WV5606-5	63	78	74	50	0
07	SD-40-01	WV5606-6	75	83	83	45	0
08	SD-40-02	WV5606-7	68	78	75	50	0
09	SD-41-SS	WV5606-8	45*	60	58*	40	2
10	SD-42-SS	WV5606-9	57	84	78	42	0
11	SD-42-01	WV5606-10	72	85	78	51	0
12	SD-42-02	WV5606-11	51*	45*	38*	24*	4
13	WG22133-LCS	WG22133-1	99	96	98	100	0
14	WG22133-BLANK	WG22133-2	103	113	102	100	0
15	SD-36-SS	WV5606-1RA	61	83	106	82	0
16	SD-37-SS	WV5606-2RA	47*	73	88	59	1
17	SD-38-SS	WV5606-3RA	42*	66	72	56	1
18	SD-39-SS	WV5606-4RA	35*	49*	48*	36	3
19	SD-40-02	WV5606-7RA	44*	50*	52*	38	3
20	SD-41-SS	WV5606-8RA	28*	60	59*	41	2
21	SD-42-SS	WV5606-9RA	49*	57	50*	30*	3
22	SD-42-01	WV5606-10RA	42*	64	72	47	1
23	SD-42-02	WV5606-11RA	41*	42*	54*	24*	4
24							
25							
26							
27							
28							

		QC LIMITS
SMC1 (DBF)	= Dibromofluoromethane	(57-122)
SMC2 (DCA)	= 1,2-Dichloroethane-D4	(53-127)
SMC3 (TOL)	= Toluene-D8	(62-117)
SMC4 (BFB)	= P-Bromofluorobenzene	(36-119)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

VOLATILE METHOD BLANK SUMMARY

WG22077-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-7

Lab File ID: M9821 Lab Sample ID: WG22077-2

Date Analyzed: 10/26/05 Time Analyzed: 1843

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

Instrument ID: GCMS-M

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	WG22077-LCS	WG22077-1	M9819	10/26/05	1724
02	SD-37-SS	WV5606-2	M9827	10/26/05	2234
03	SD-38-SS	WV5606-3	M9828	10/26/05	2312
04	SD-39-SS	WV5606-4	M9829	10/26/05	2351
05	SD-40-SS	WV5606-5	M9830	10/27/05	0030
06	SD-40-01	WV5606-6	M9831	10/27/05	0108
07	SD-40-02	WV5606-7	M9832	10/27/05	0147
08	SD-41-SS	WV5606-8	M9833	10/27/05	0225
09	SD-42-SS	WV5606-9	M9834	10/27/05	0303
10	SD-42-01	WV5606-10	M9835	10/27/05	0342
11	SD-42-02	WV5606-11	M9836	10/27/05	0420
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

COMMENTS:

Report of Analytical Results

Client:
Project: MIDDLE RIVER
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 26-OCT-2005 18:43
Report Date: 10/28/2005
Matrix: SOIL
% Solids: 100

Lab ID: WG22077-2
Client ID: WG22077-Blank
SDG: MID-7
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22077
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	10	1.0	10	10	2
74-87-3	Chloromethane	U	10	1.0	10	10	1.0
75-01-4	Vinyl chloride	U	10	1.0	10	10	2
74-83-9	Bromomethane	U	10	1.0	10	10	2
75-00-3	Chloroethane	U	10	1.0	10	10	1
75-69-4	Trichlorofluoromethane	U	10	1.0	10	10	2
75-65-0	Tertiary-butyl alcohol	U	10	1.0	10	10	7
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	1
75-15-0	Carbon Disulfide	U	5	1.0	5	5	2
76-13-1	Freon-113	U	5	1.0	5	5	2
75-09-2	Methylene Chloride	J	2	1.0	5	5	2
67-64-1	Acetone	U	25	1.0	25	25	4
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.9
1634-04-4	Methyl tert-butyl ether	U	10	1.0	10	10	0.7
108-20-3	Di-isopropyl ether	U	5	1.0	5	5	0.4
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	1
637-92-3	Ethyl tertiary-butyl ether	U	5	1.0	5	5	0.3
108-05-4	Vinyl Acetate	U	5	1.0	5	5	0.2
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.7
540-59-0	1,2-Dichloroethylene (total)	U	10	1.0	10	10	2
594-20-7	2,2-Dichloropropane	U	5	1.0	5	5	2
74-97-5	Bromochloromethane	U	5	1.0	5	5	1
67-66-3	Chloroform	U	5	1.0	5	5	0.8
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	1
563-58-6	1,1-Dichloropropene	U	5	1.0	5	5	1
78-93-3	2-Butanone	U	25	1.0	25	25	3
71-43-2	Benzene	U	5	1.0	5	5	0.8
994-05-8	Tertiary-amyl methyl ether	U	5	1.0	5	5	0.4
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.6
79-01-6	Trichloroethene	U	5	1.0	5	5	0.8
74-95-3	Dibromomethane	U	5	1.0	5	5	0.5
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.7
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.5
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.3
110-75-8	2-Chloroethylvinylether	U	5	1.0	5	5	1.0
108-88-3	Toluene	U	5	1.0	5	5	0.9
108-10-1	4-methyl-2-pentanone	U	25	1.0	25	25	4
127-18-4	Tetrachloroethene	U	5	1.0	5	5	1
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.6
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.5
142-28-9	1,3-Dichloropropane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.5

Report of Analytical Results

Client:
Project: MIDDLE RIVER
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 26-OCT-2005 18:43
Report Date: 10/28/2005
Matrix: SOIL
% Solids: 100

Lab ID: WG22077-2
Client ID: WG22077-Blank
SDG: MID-7
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22077
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	25	1.0	25	25	4
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.7
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.8
630-20-6	1,1,1,2-Tetrachloroethane	U	5	1.0	5	5	0.5
1330-20-7	Xylenes (total)	U	15	1.0	15	15	2
	m+p-Xylenes	U	10	1.0	10	10	1
95-47-6	o-Xylene	U	5	1.0	5	5	0.6
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.6
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.8
108-86-1	Bromobenzene	U	5	1.0	5	5	1
103-65-1	N-Propylbenzene	U	5	1.0	5	5	0.7
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	1
95-49-8	2-Chlorotoluene	U	5	1.0	5	5	0.7
96-18-4	1,2,3-Trichloropropane	U	5	1.0	5	5	0.8
106-43-4	4-Chlorotoluene	U	5	1.0	5	5	0.5
98-06-6	tert-Butylbenzene	U	5	1.0	5	5	0.7
95-63-6	1,2,4-Trimethylbenzene	U	5	1.0	5	5	0.6
99-87-6	P-Isopropyltoluene	U	5	1.0	5	5	0.7
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.3
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.3
104-51-8	N-Butylbenzene	U	5	1.0	5	5	0.7
135-98-8	sec-Butylbenzene	U	5	1.0	5	5	1.0
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.3
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.8
87-68-3	Hexachlorobutadiene	U	5	1.0	5	5	0.8
120-82-1	1,2,4-Trichlorobenzene	J	3	1.0	5	5	0.9
526-73-8	1,2,3-Trimethylbenzene	U	5	1.0	5	5	0.3
91-20-3	Naphthalene	U	5	1.0	5	5	2
87-61-6	1,2,3-Trichlorobenzene	U	5	1.0	5	5	1
1868-53-7	Dibromofluoromethane		87%				
17060-07-0	1,2-Dichloroethane-D4		93%				
2037-26-5	Toluene-D8		77%				
460-00-4	P-Bromofluorobenzene		72%				

FORM I

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

WG22077-Blank

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-7

Matrix: (soil/water) SOIL Lab Sample ID: WG22077-2

Sample wt/vol: 5.000(g/mL) G Lab File ID: M9821

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/26/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	14.90	5	J
2.					
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FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: MIDDLE RIVER
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 10/26/05
Report Date: 10/28/2005
Matrix: SOIL

Lab ID: WG22077-1
Client ID: WG22077-LCS
SDG: MID-7
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22077
Units: ug/Kg

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
Dichlorodifluoromethane	50	NA	42	85	13-217
Chloromethane	50	NA	45	89	36-165
Vinyl chloride	50	NA	43	87	47-159
Bromomethane	50	NA	41	82	43-181
Chloroethane	50	NA	45	90	54-157
Trichlorofluoromethane	50	NA	44	88	62-138
Tertiary-butyl alcohol	250	NA	315	126	74-127
1,1-Dichloroethene	50	NA	43	86	68-141
Carbon Disulfide	50	NA	46	92	45-141
Freon-113	50	NA	51	102	62-142
Methylene Chloride	50	NA	48	97	34-171
Acetone	50	NA	75	150	44-226
trans-1,2-Dichloroethene	50	NA	46	93	72-133
Methyl tert-butyl ether	100	NA	105	105	11-259
Di-isopropyl ether	50	NA	46	92	74-126
1,1-Dichloroethane	50	NA	47	93	75-130
Ethyl tertiary-butyl ether	50	NA	47	95	75-125
Vinyl Acetate	50	NA	45	89	59-162
cis-1,2-Dichloroethene	50	NA	46	91	67-129
1,2-Dichloroethylene (total)	100	NA	92	92	70-130
2,2-Dichloropropane	50	NA	47	94	70-138
Bromochloromethane	50	NA	47	93	73-122
Chloroform	50	NA	46	93	73-127
Carbon Tetrachloride	50	NA	52	103	75-130
1,1,1-Trichloroethane	50	NA	48	97	71-129
1,1-Dichloropropene	50	NA	49	98	84-121
2-Butanone	50	NA	66	131	22-267
Benzene	50	NA	47	94	76-123
Tertiary-amyl methyl ether	50	NA	50	99	73-126
1,2-Dichloroethane	50	NA	51	103	80-123
Trichloroethene	50	NA	52	103	75-136
Dibromomethane	50	NA	47	93	83-121
1,2-Dichloropropane	50	NA	50	101	77-123
Bromodichloromethane	50	NA	50	101	78-107
cis-1,3-dichloropropene	50	NA	55	110	76-125
2-Chloroethylvinylether	50	NA	48	95	0-159
Toluene	50	NA	49	97	76-121
4-methyl-2-pentanone	50	NA	53	107	69-148
Tetrachloroethene	50	NA	54	107	87-114
trans-1,3-Dichloropropene	50	NA	57	115	80-136
Dibromochloromethane	50	NA	50	100	87-114
1,3-Dichloropropane	50	NA	47	94	86-113
1,2-Dibromoethane	50	NA	51	102	81-120
2-Hexanone	50	NA	55	110	67-157
Chlorobenzene	50	NA	54	107	90-111

LAB CONTROL SAMPLE

Client:
Project: MIDDLE RIVER
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 10/26/05
Report Date: 10/28/2005
Matrix: SOIL

Lab ID: WG22077-1
Client ID: WG22077-LCS
SDG: MID-7
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22077
Units: ug/Kg

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.		%REC.	QC. LIMITS
Ethylbenzene	50	NA	54		107	89-111
1,1,1,2-Tetrachloroethane	50	NA	49		98	89-110
Xylenes (total)	150	NA	166		111	91-113
m+p-Xylenes	100	NA	106		106	91-113
o-Xylene	50	NA	60	*	119	91-112
Styrene	50	NA	57	*	115	85-114
Bromoform	50	NA	54		108	92-113
Isopropylbenzene	50	NA	54		109	89-132
Bromobenzene	50	NA	53		105	87-109
N-Propylbenzene	50	NA	53		107	86-119
1,1,2,2-Tetrachloroethane	50	NA	59		118	77-119
2-Chlorotoluene	50	NA	50		101	78-120
1,2,3-Trichloropropane	50	NA	49		97	83-115
4-Chlorotoluene	50	NA	61	*	121	84-118
tert-Butylbenzene	50	NA	42		83	76-128
1,2,4-Trimethylbenzene	50	NA	55		110	83-118
P-Isopropyltoluene	50	NA	50		100	91-120
1,3-Dichlorobenzene	50	NA	52		103	90-113
1,4-Dichlorobenzene	50	NA	52		104	89-112
N-Butylbenzene	50	NA	56		113	80-122
sec-Butylbenzene	50	NA	36	*	71	86-118
1,2-Dichlorobenzene	50	NA	53		107	90-110
1,2-Dibromo-3-Chloropropane	50	NA	53		106	66-137
Hexachlorobutadiene	50	NA	52		104	80-117
1,2,4-Trichlorobenzene	50	NA	46		93	75-128
1,2,3-Trimethylbenzene	50	NA	47		94	80-126
Naphthalene	50	NA	52		105	72-117
1,2,3-Trichlorobenzene	50	NA	52		103	72-126

FORM III VOA-2
M9819.D

FORM 4

VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG22133-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-7

Lab File ID: M9860 Lab Sample ID: WG22133-2

Date Analyzed: 10/27/05 Time Analyzed: 2100

GC Column: RTX-VMS ID: 0.18 (mm) Heated Purge: (Y/N) Y

Instrument ID: GCMS-M

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	WG22133-LCS	WG22133-1	M9858	10/27/05	1943
02	SD-36-SS	WV5606-1RA	M9861	10/27/05	2138
03	SD-37-SS	WV5606-2RA	M9862	10/27/05	2217
04	SD-38-SS	WV5606-3RA	M9863	10/27/05	2255
05	SD-39-SS	WV5606-4RA	M9864	10/27/05	2334
06	SD-40-02	WV5606-7RA	M9865	10/28/05	0012
07	SD-41-SS	WV5606-8RA	M9866	10/28/05	0051
08	SD-42-SS	WV5606-9RA	M9867	10/28/05	0130
09	SD-42-01	WV5606-10RA	M9868	10/28/05	0208
10	SD-42-02	WV5606-11RA	M9869	10/28/05	0247
11					
12					
13					
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23					
24					
25					
26					
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28					
29					
30					

COMMENTS:

Report of Analytical Results

Client:
Project: MIDDLE RIVER
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 27-OCT-2005 21:00
Report Date: 10/28/2005
Matrix: SOIL
% Solids: 100

Lab ID: WG22133-2
Client ID: WG22133-Blank
SDG: MID-7
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22133
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	10	1.0	10	10	2
74-87-3	Chloromethane	U	10	1.0	10	10	1.0
75-01-4	Vinyl chloride	U	10	1.0	10	10	2
74-83-9	Bromomethane	U	10	1.0	10	10	2
75-00-3	Chloroethane	U	10	1.0	10	10	1
75-69-4	Trichlorofluoromethane	U	10	1.0	10	10	2
75-65-0	Tertiary-butyl alcohol	U	10	1.0	10	10	7
75-35-4	1,1-Dichloroethene	U	5	1.0	5	5	1
75-15-0	Carbon Disulfide	U	5	1.0	5	5	2
76-13-1	Freon-113	U	5	1.0	5	5	2
75-09-2	Methylene Chloride	U	5	1.0	5	5	2
67-64-1	Acetone	U	25	1.0	25	25	4
156-60-5	trans-1,2-Dichloroethene	U	5	1.0	5	5	0.9
1634-04-4	Methyl tert-butyl ether	U	10	1.0	10	10	0.7
108-20-3	Di-isopropyl ether	U	5	1.0	5	5	0.4
75-34-3	1,1-Dichloroethane	U	5	1.0	5	5	1
637-92-3	Ethyl tertiary-butyl ether	U	5	1.0	5	5	0.3
108-05-4	Vinyl Acetate	U	5	1.0	5	5	0.2
156-59-2	cis-1,2-Dichloroethene	U	5	1.0	5	5	0.7
540-59-0	1,2-Dichloroethylene (total)	U	10	1.0	10	10	2
594-20-7	2,2-Dichloropropane	U	5	1.0	5	5	2
74-97-5	Bromochloromethane	U	5	1.0	5	5	1
67-66-3	Chloroform	U	5	1.0	5	5	0.8
56-23-5	Carbon Tetrachloride	U	5	1.0	5	5	3
71-55-6	1,1,1-Trichloroethane	U	5	1.0	5	5	1
563-58-6	1,1-Dichloropropene	U	5	1.0	5	5	1
78-93-3	2-Butanone	U	25	1.0	25	25	3
71-43-2	Benzene	U	5	1.0	5	5	0.8
994-05-8	Tertiary-amyl methyl ether	U	5	1.0	5	5	0.4
107-06-2	1,2-Dichloroethane	U	5	1.0	5	5	0.6
79-01-6	Trichloroethene	U	5	1.0	5	5	0.8
74-95-3	Dibromomethane	U	5	1.0	5	5	0.5
78-87-5	1,2-Dichloropropane	U	5	1.0	5	5	0.7
75-27-4	Bromodichloromethane	U	5	1.0	5	5	0.5
10061-01-5	cis-1,3-dichloropropene	U	5	1.0	5	5	0.3
110-75-8	2-Chloroethylvinylether	U	5	1.0	5	5	1.0
108-88-3	Toluene	U	5	1.0	5	5	0.9
108-10-1	4-methyl-2-pentanone	U	25	1.0	25	25	4
127-18-4	Tetrachloroethene	U	5	1.0	5	5	1
10061-02-6	trans-1,3-Dichloropropene	U	5	1.0	5	5	0.6
124-48-1	Dibromochloromethane	U	5	1.0	5	5	0.5
142-28-9	1,3-Dichloropropane	U	5	1.0	5	5	0.3
106-93-4	1,2-Dibromoethane	U	5	1.0	5	5	0.5

Report of Analytical Results

Client:
Project: MIDDLE RIVER
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 27-OCT-2005 21:00
Report Date: 10/28/2005
Matrix: SOIL
% Solids: 100

Lab ID: WG22133-2
Client ID: WG22133-Blank
SDG: MID-7
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22133
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	25	1.0	25	25	4
108-90-7	Chlorobenzene	U	5	1.0	5	5	0.7
100-41-4	Ethylbenzene	U	5	1.0	5	5	0.8
630-20-6	1,1,1,2-Tetrachloroethane	U	5	1.0	5	5	0.5
1330-20-7	Xylenes (total)	U	15	1.0	15	15	2
	m+p-Xylenes	U	10	1.0	10	10	1
95-47-6	o-Xylene	U	5	1.0	5	5	0.6
100-42-5	Styrene	U	5	1.0	5	5	0.3
75-25-2	Bromoform	U	5	1.0	5	5	0.6
98-82-8	Isopropylbenzene	U	5	1.0	5	5	0.8
108-86-1	Bromobenzene	U	5	1.0	5	5	1
103-65-1	N-Propylbenzene	U	5	1.0	5	5	0.7
79-34-5	1,1,2,2-Tetrachloroethane	U	5	1.0	5	5	1
95-49-8	2-Chlorotoluene	U	5	1.0	5	5	0.7
96-18-4	1,2,3-Trichloropropane	U	5	1.0	5	5	0.8
106-43-4	4-Chlorotoluene	U	5	1.0	5	5	0.5
98-06-6	tert-Butylbenzene	U	5	1.0	5	5	0.7
95-63-6	1,2,4-Trimethylbenzene	U	5	1.0	5	5	0.6
99-87-6	P-Isopropyltoluene	U	5	1.0	5	5	0.7
541-73-1	1,3-Dichlorobenzene	U	5	1.0	5	5	0.3
106-46-7	1,4-Dichlorobenzene	U	5	1.0	5	5	0.3
104-51-8	N-Butylbenzene	U	5	1.0	5	5	0.7
135-98-8	sec-Butylbenzene	U	5	1.0	5	5	1.0
95-50-1	1,2-Dichlorobenzene	U	5	1.0	5	5	0.3
96-12-8	1,2-Dibromo-3-Chloropropane	U	5	1.0	5	5	0.8
87-68-3	Hexachlorobutadiene	U	5	1.0	5	5	0.8
120-82-1	1,2,4-Trichlorobenzene	J	3	1.0	5	5	0.9
526-73-8	1,2,3-Trimethylbenzene	U	5	1.0	5	5	0.3
91-20-3	Naphthalene	U	5	1.0	5	5	2
87-61-6	1,2,3-Trichlorobenzene	U	5	1.0	5	5	1
1868-53-7	Dibromofluoromethane		103%				
17060-07-0	1,2-Dichloroethane-D4		113%				
2037-26-5	Toluene-D8		102%				
460-00-4	P-Bromofluorobenzene		100%				

Sample Data Summary A0000064

FORM I

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

WG22133-Blank

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-7

Matrix: (soil/water) SOIL Lab Sample ID: WG22133-2

Sample wt/vol: 5.000(g/mL) G Lab File ID: M9860

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/27/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(mL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
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30.					

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: MIDDLE RIVER
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 10/27/05
Report Date: 10/28/2005
Matrix: SOIL

Lab ID: WG22133-1
Client ID: WG22133-LCS
SDG: MID-7
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22133
Units: ug/Kg

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.		%REC.	QC. LIMITS
Dichlorodifluoromethane	50	NA	74		149	13-217
Chloromethane	50	NA	61		122	36-165
Vinyl chloride	50	NA	57		115	47-159
Bromomethane	50	NA	58		116	43-181
Chloroethane	50	NA	66		132	54-157
Trichlorofluoromethane	50	NA	59		119	62-138
Tertiary-butyl alcohol	250	NA	183	*	73	74-127
1,1-Dichloroethene	50	NA	54		108	68-141
Carbon Disulfide	50	NA	56		113	45-141
Freon-113	50	NA	52		104	62-142
Methylene Chloride	50	NA	53		105	34-171
Acetone	50	NA	57		114	44-226
trans-1,2-Dichloroethene	50	NA	53		106	72-133
Methyl tert-butyl ether	100	NA	103		103	11-259
Di-isopropyl ether	50	NA	49		98	74-126
1,1-Dichloroethane	50	NA	53		105	75-130
Ethyl tertiary-butyl ether	50	NA	46		92	75-125
Vinyl Acetate	50	NA	41		81	59-162
cis-1,2-Dichloroethene	50	NA	53		105	67-129
1,2-Dichloroethylene (total)	100	NA	106		106	70-130
2,2-Dichloropropane	50	NA	56		111	70-138
Bromochloromethane	50	NA	55		110	73-122
Chloroform	50	NA	52		104	73-127
Carbon Tetrachloride	50	NA	58		117	75-130
1,1,1-Trichloroethane	50	NA	58		116	71-129
1,1-Dichloropropene	50	NA	61	*	123	84-121
2-Butanone	50	NA	80		160	22-267
Benzene	50	NA	60		119	76-123
Tertiary-amyl methyl ether	50	NA	48		95	73-126
1,2-Dichloroethane	50	NA	57		114	80-123
Trichloroethene	50	NA	55		110	75-136
Dibromomethane	50	NA	53		106	83-121
1,2-Dichloropropane	50	NA	55		110	77-123
Bromodichloromethane	50	NA	56	*	113	78-107
cis-1,3-dichloropropene	50	NA	61		121	76-125
2-Chloroethylvinylether	50	NA	51		101	0-159
Toluene	50	NA	56		112	76-121
4-methyl-2-pentanone	50	NA	51		101	69-148
Tetrachloroethene	50	NA	59	*	117	87-114
trans-1,3-Dichloropropene	50	NA	64		129	80-136
Dibromochloromethane	50	NA	52		105	87-114
1,3-Dichloropropane	50	NA	51		103	86-113
1,2-Dibromoethane	50	NA	57		114	81-120
2-Hexanone	50	NA	52		103	67-157
Chlorobenzene	50	NA	54		107	90-111

FORM III VOA-2
M9858.D

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: MIDDLE RIVER
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 10/27/05
Report Date: 10/28/2005
Matrix: SOIL

Lab ID: WG22133-1
Client ID: WG22133-LCS
SDG: MID-7
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22133
Units: ug/Kg

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.		%REC.	QC. LIMITS
Ethylbenzene	50	NA	57	*	114	89-111
1,1,1,2-Tetrachloroethane	50	NA	55		109	89-110
Xylenes (total)	150	NA	179	*	119	91-113
m+p-Xylenes	100	NA	120	*	120	91-113
o-Xylene	50	NA	59	*	118	91-112
Styrene	50	NA	56		111	85-114
Bromoform	50	NA	51		103	92-113
Isopropylbenzene	50	NA	55		110	89-132
Bromobenzene	50	NA	51		102	87-109
N-Propylbenzene	50	NA	52		104	86-119
1,1,2,2-Tetrachloroethane	50	NA	44		89	77-119
2-Chlorotoluene	50	NA	51		103	78-120
1,2,3-Trichloropropane	50	NA	51		102	83-115
4-Chlorotoluene	50	NA	56		113	84-118
tert-Butylbenzene	50	NA	42		85	76-128
1,2,4-Trimethylbenzene	50	NA	52		104	83-118
P-Isopropyltoluene	50	NA	50		101	91-120
1,3-Dichlorobenzene	50	NA	53		106	90-113
1,4-Dichlorobenzene	50	NA	53		105	89-112
N-Butylbenzene	50	NA	52		103	80-122
sec-Butylbenzene	50	NA	34	*	68	86-118
1,2-Dichlorobenzene	50	NA	50		99	90-110
1,2-Dibromo-3-Chloropropane	50	NA	50		100	66-137
Hexachlorobutadiene	50	NA	51		102	80-117
1,2,4-Trichlorobenzene	50	NA	46		92	75-128
1,2,3-Trimethylbenzene	50	NA	52		104	80-126
Naphthalene	50	NA	47		94	72-117
1,2,3-Trichlorobenzene	50	NA	43		86	72-126

FORM III VOA-2
M9858.D

TETRA TECH NUS, INC. **CALCULATION WORKSHEET** PAGE_____ OF_____

CLIENT Lockheed Middle River		JOB NUMBER 00275	
SUBJECT VOC			
BASED ON 8260B		DRAWING NUMBER	
BY EWS	CHECKED BY	APPROVED BY	DATE

50-36-55

Methyl tert-butyl ether = 5 ug/kg

$$\frac{1/216 \times 50\,g \times 5\,ml}{230978 \times 1.7037\,ml \times 5.4\,g \times 0.263} = 4.9\ ug/kg$$

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date:
Analysis Date: 27-OCT-2005 21:38
Report Date: 10/28/2005
Matrix: SOIL
% Solids: 26.7

Lab ID: WV5606-1RA
Client ID: SD-36-SS
SDG: MID-7
Extracted by:
Extraction Method: SW846 5035
Analyst: ALH
Analysis Method: SW846 8260B
Lab Prep Batch: WG22133
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	35	1.0	10	35	6
74-87-3	Chloromethane	U	35	1.0	10	35	3
75-01-4	Vinyl chloride	U	35	1.0	10	35	6
74-83-9	Bromomethane	U	35	1.0	10	35	7
75-00-3	Chloroethane	U	35	1.0	10	35	5
75-69-4	Trichlorofluoromethane	U	35	1.0	10	35	6
75-65-0	Tertiary-butyl alcohol	U	35	1.0	10	35	24
75-35-4	1,1-Dichloroethene	U	17	1.0	5	17	3
75-15-0	Carbon Disulfide	U	17	1.0	5	17	5
76-13-1	Freon-113	U	17	1.0	5	17	6
75-09-2	Methylene Chloride	U	17	1.0	5	17	7
67-64-1	Acetone	J	79	1.0	25	87	14
156-60-5	trans-1,2-Dichloroethene	U	17	1.0	5	17	3
1634-04-4	Methyl tert-butyl ether	J	5	1.0	10	35	2
108-20-3	Di-isopropyl ether	U	17	1.0	5	17	1
75-34-3	1,1-Dichloroethane	U	17	1.0	5	17	4
637-92-3	Ethyl tertiary-butyl ether	U	17	1.0	5	17	0.9
108-05-4	Vinyl Acetate	U	17	1.0	5	17	0.8
156-59-2	cis-1,2-Dichloroethene	U	17	1.0	5	17	2
540-59-0	1,2-Dichloroethylene (total)	U	35	1.0	10	35	5
594-20-7	2,2-Dichloropropane	U	17	1.0	5	17	5
74-97-5	Bromochloromethane	U	17	1.0	5	17	4
67-66-3	Chloroform	U	17	1.0	5	17	3
56-23-5	Carbon Tetrachloride	U	17	1.0	5	17	10
71-55-6	1,1,1-Trichloroethane	U	17	1.0	5	17	5
563-58-6	1,1-Dichloropropene	U	17	1.0	5	17	5
78-93-3	2-Butanone	U	87	1.0	25	87	11
71-43-2	Benzene	U	17	1.0	5	17	3
994-05-8	Tertiary-amyl methyl ether	U	17	1.0	5	17	1
107-06-2	1,2-Dichloroethane	U	17	1.0	5	17	2
79-01-6	Trichloroethene	U	17	1.0	5	17	3
74-95-3	Dibromomethane	U	17	1.0	5	17	2
78-87-5	1,2-Dichloropropane	U	17	1.0	5	17	2
75-27-4	Bromodichloromethane	U	17	1.0	5	17	2
10061-01-5	cis-1,3-dichloropropene	U	17	1.0	5	17	1
110-75-8	2-Chloroethylvinylether	U	17	1.0	5	17	3
108-88-3	Toluene	U	17	1.0	5	17	3
108-10-1	4-methyl-2-pentanone	U	87	1.0	25	87	15
127-18-4	Tetrachloroethene	U	17	1.0	5	17	4
10061-02-6	trans-1,3-Dichloropropene	U	17	1.0	5	17	2
124-48-1	Dibromochloromethane	U	17	1.0	5	17	2
142-28-9	1,3-Dichloropropane	U	17	1.0	5	17	1
106-93-4	1,2-Dibromoethane	U	17	1.0	5	17	2

Data File: \\Target_server\GG\chem\gcms-m.i\M102705B.b\M9861.D
Report Date: 28-Oct-2005 14:22

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-m.i\M102705B.b\M9861.D
Lab Smp Id: WV5606-1RA Client Smp ID: SD-36-SS
Inj Date : 27-OCT-2005 21:38 MS Autotune Date: 08-SEP-2005 15:58
Operator : ALH Inst ID: gcms-m.i
Smp Info : WV5606-1RA
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-m.i\M102705B.b\M826S09.m
Meth Date : 28-Oct-2005 14:16 jprescott Quant Type: ISTD
Cal Date : 26-OCT-2005 13:40 Cal File: M9815.D
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRATMID002.sub
Target Version: 4.12
Processing Host: TARGET02

Concentration Formula: Amt * DF * (100/(100-M))*(Vt/Ws) * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
M	73.306	% Moisture
Vt	5.000	Volume of DI Water (mL)
Ws	5.400	Weight of Sample (g)
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/kg)	CONCENTRATIONS FINAL (ug/Kg)
	15 Acetone	58	4.550	4.615	(0.496)	3406	22.8044	79.1(aM)
	19 Methyl tert-butyl ether	73	4.956	4.998	(0.540)	11216	1.42513	4.9(a)
$	37 Dibromofluoromethane	113	8.219	8.272	(0.895)	110739	30.3894	105
$	45 1,2-Dichloroethane-D4	65	9.171	9.201	(0.999)	159668	41.4507	144
$	55 Toluene-D8	98	11.342	11.372	(1.149)	456612	52.8262	183
$	76 P-Bromofluorobenzene	95	14.000	14.019	(1.419)	142938	41.2674	143
*	42 Pentafluorobenzene	168	9.182	9.213	(1.000)	230978	50.0000	
*	49 1,4-Difluorobenzene	114	9.867	9.898	(1.000)	343583	50.0000	
*	66 Chlorobenzene-D5	117	13.037	13.067	(1.000)	286633	50.0000	
*	91 1,4-Dichlorobenzene-D4	152	14.732	14.750	(1.000)	114454	50.0000	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project MIDDLE RIVER SDG No.: MID-7

Instrument ID: GCMS-M Calibration Date(s): 10/26/05 10/26/05

Column: RTX-VMS ID: 0.18 (mm) Calibration Time(s): 0745 1340

LAB FILE ID: RF5: M9810 RF10: M9815 RF20: M9814
RF50: M9807 RF100: M9813 RF200: M9811

COMPOUND	RF5	RF10	RF20	RF50	RF100	RF200	CURVE	COEFFICENTS A0	COEFFICENTS A1	COEFFICENTS A2	%RSD OR R^2	MAX %RSD OR R^2
Dichlorodifluoromethane	0.438	0.577	0.566	0.638	0.602	0.592	AVRG		0.56888000		12.125	15.000
Chloromethane	0.655	0.614	0.657	0.723	0.767	0.750	AVRG		0.69438814		8.769	15.000
Vinyl chloride	0.497	0.596	0.646	0.586	0.678	0.685	AVRG		0.61482352		11.483	15.000
Bromomethane	6065	10792	27270	93892	203100	452890	LINR	0.12374413	2.19598299		0.99816	0.99000
Chloroethane	0.292	0.310	0.330	0.302	0.379	0.287	AVRG		0.31663909		10.732	15.000
Trichlorofluoromethane	0.840	1.070	1.127	1.184	1.183	1.085	AVRG		1.08150268		11.805	15.000
Tertiary-butyl alcohol	277	441	36312	58417		272210	LINR	0.37642524	18.2007177		0.99579	0.99000
1,1-Dichloroethene	0.408	0.471	0.492	0.520	0.512	0.471	AVRG		0.47898330		8.371	15.000
Carbon Disulfide	1.368	1.577	1.601	1.776	1.758	1.551	AVRG		1.60513514		9.356	15.000
Freon-113	0.288	0.411	0.382	0.419	0.410	0.344	AVRG		0.37566767		13.582	15.000
Methylene Chloride	31593	43133	88269	146440	326950	611210	LINR	-0.1255473	1.69783669		0.99867	0.99000
Acetone	5729	4714	21674	45003	98531	196060	LINR	7.782e-002	25.6519688		0.99902	0.99000
trans-1,2-Dichloroethene	0.544	0.503	0.590	0.639	0.639	0.584	AVRG		0.58303997		9.185	15.000
Methyl tert-butyl ether	1.381	1.759	1.962	1.706	1.711	1.703	AVRG		1.70366269		10.942	15.000
Di-isopropyl ether	2.386	2.952	2.843	2.302	2.550	2.674	AVRG		2.61810998		9.716	15.000
1,1-Dichloroethane	1.036	1.191	1.203	1.216	1.214	1.201	AVRG		1.17677554		5.917	15.000
Ethyl tertiary-butyl ethe	1.833	2.352	2.374	2.120	2.214	2.098	AVRG		2.16514593		9.190	15.000
Vinyl Acetate	0.876	0.844	1.182	0.958	0.979	1.033	AVRG		0.97889382		12.372	15.000
cis-1,2-Dichloroethene	0.621	0.640	0.701	0.830	0.774	0.757	AVRG		0.72056154		11.274	15.000
1,2-Dichloroethylene (tot							AVRG					0.000
2,2-Dichloropropane	0.895	0.939	1.022	1.185	1.065	1.023	AVRG		1.02153820		9.932	15.000
Bromochloromethane	0.324	0.289	0.364	0.334	0.328	0.338	AVRG		0.32927179		7.380	15.000
Chloroform	1.150	1.248	1.316	1.512	1.435	1.366	AVRG		1.33782269		9.722	15.000
Carbon Tetrachloride	0.443	0.472	0.575	0.637	0.568	0.582	AVRG		0.54627757		13.463	15.000
1,1,1-Trichloroethane	0.929	1.030	1.128	1.323	1.179	1.127	AVRG		1.11949333		11.937	15.000
1,1-Dichloropropene	0.471	0.374	0.515	0.505	0.528	0.465	AVRG		0.47650926		11.747	15.000
2-Butanone	5506	10726	39776	64634	126240	311330	2ORDR	-0.3018770	21.4374911	-3.9513655	0.99549	0.99000
Benzene	1.322	1.259	1.449	1.418	1.404	1.449	AVRG		1.38364318		5.537	15.000
Tertiary-amyl methyl ethe	1.570	1.948	1.941	1.580	1.839	1.782	AVRG		1.77669471		9.477	15.000
1,2-Dichloroethane	0.517	0.509	0.640	0.570	0.603	0.638	AVRG		0.57954670		9.945	15.000
Trichloroethene	0.385	0.359	0.436	0.431	0.385	0.410	AVRG		0.40105757		7.471	15.000
Dibromomethane	0.271	0.259	0.329	0.300	0.308	0.315	AVRG		0.29708392		9.023	15.000
1,2-Dichloropropane	0.330	0.360	0.391	0.322	0.322	0.384	AVRG		0.35169816		8.905	15.000
Bromodichloromethane	0.581	0.529	0.720	0.608	0.593	0.610	AVRG		0.60694137		10.351	15.000
cis-1,3-dichloropropene	0.619	0.525	0.643	0.605	0.592	0.653	AVRG		0.60615288		7.552	15.000
2-Chloroethylvinylether	6733	13505	40959	82600	197260	361430	LINR	2.072e-002	4.68282779		0.99918	0.99000
Toluene	0.862	0.753	0.964	0.964	0.921	0.859	AVRG		0.88709746		9.057	15.000
4-methyl-2-pentanone	62737	137100	418630	815420	1822200	3343300	LINR	-3.86e-002	2.54792446		0.99905	0.99000
Tetrachloroethene	0.263	0.299	0.339	0.356	0.322	0.394	AVRG		0.32896818		13.843	15.000
trans-1,3-Dichloropropene	0.471	0.482	0.587	0.495	0.574	0.572	AVRG		0.53012146		9.967	15.000
Dibromochloromethane	0.396	0.476	0.567	0.523	0.498	0.603	AVRG		0.51040563		14.238	15.000
1,3-Dichloropropane	0.566	0.639	0.668	0.561	0.535	0.686	AVRG		0.60927507		10.362	15.000
1,2-Dibromoethane	0.333	0.320	0.457	0.403	0.388	0.417	AVRG		0.38621770		13.446	15.000
2-Hexanone	0.290	0.310	0.435	0.330	0.340	0.351	AVRG		0.34270017		14.573	15.000

FORM 2

SOIL SEMIVOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-7

Level: (low/med) LOW

	CLIENT SAMPLE ID	LAB SAMPLE ID	S1 2FP#	S2 PHL#	S3 NBZ#	S4 FBP#	S5 TBP#	S6 TPH#	S7 #	S8 #	TOT OUT
01	WG21977-BLANK	WG21977-1	50	68	41	49	64	62*			1
02	WG21977-LCS	WG21977-2	80	97	65	74	82	85			0
03	SD-36-SS	WV5606-1	50	73	43	55	62	90			0
04	SD-37-SS	WV5606-2	54	78	44	59	62	90			0
05	SD-40-SS	WV5606-5	55	78	51	59	76	74*			1
06	SD-38-SS	WV5606-3	50	76	39	52	77	78			0
07	SD-39-SS	WV5606-4	54	79	44	56	77	74*			1
08	SD-40-01	WV5606-6	62	85	57	61	62	70*			1
09	SD-40-02	WV5606-7	68	99	62	78	91	102			0
10											
11											
12											
13											
14											
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26											
27											
28											

	QC LIMITS
S1 (2FP) = 2-Fluorophenol	(40-130)
S2 (PHL) = Phenol-D6	(35-120)
S3 (NBZ) = Nitrobenzene-D5	(35-124)
S4 (FBP) = 2-Fluorobiphenyl	(34-107)
S5 (TBP) = 2,4,6-Tribromophenol	(37- 99)
S6 (TPH) = Terphenyl-D14	(75-111)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

FORM 4

SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG21977-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-7

Lab File ID: K0454 Lab Sample ID: WG21977-1

Instrument ID: GCMS-K Date Extracted: 10/26/05

Matrix: (soil/water) SOIL Date Analyzed: 10/29/05

Level: (low/med) LOW Time Analyzed: 1225

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	WG21977-LCS	WG21977-2	K0455	10/29/05	1314
02	SD-36-SS	WV5606-1	K0462	10/29/05	1854
03	SD-37-SS	WV5606-2	K0463	10/29/05	1943
04	SD-40-SS	WV5606-5	K0470	10/30/05	2201
05	SD-38-SS	WV5606-3	K0471	10/30/05	2250
06	SD-39-SS	WV5606-4	K0472	10/30/05	2338
07	SD-40-01	WV5606-6	K0473	10/31/05	0027
08	SD-40-02	WV5606-7	K0474	10/31/05	0117
09					
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11					
12					
13					
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29					
30					

COMMENTS:

Report of Analytical Results

Client:
Project: MIDDLE RIVER
PO No:
Sample Date:
Received Date:
Extraction Date: 10/26/05
Analysis Date: 29-OCT-2005 12:25
Report Date: 11/03/2005
Matrix: SOIL
% Solids: 100

Lab ID: WG21977-1
Client ID: WG21977-Blank
SDG: MID-7
Extracted by: GN
Extraction Method: SW846 3550
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG21977
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
123-91-1	1,4-Dioxane	U	330	1.0	330	330	160
62-75-9	N-Nitrosodimethylamine	U	330	1.0	330	330	160
110-86-1	Pyridine	U	330	1.0	330	330	160
62-53-3	Aniline	U	330	1.0	330	330	160
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	330	1.0	330	330	31
108-95-2	Phenol	U	330	1.0	330	330	91
111-44-4	Bis(2-Chloroethyl)ether	U	330	1.0	330	330	33
95-57-8	2-Chlorophenol	U	330	1.0	330	330	90
541-73-1	1,3-Dichlorobenzene	U	330	1.0	330	330	53
106-46-7	1,4-Dichlorobenzene	J	32	1.0	330	330	25
100-51-6	Benzyl alcohol	U	330	1.0	330	330	31
95-48-7	2-Methylphenol	U	330	1.0	330	330	140
95-50-1	1,2-Dichlorobenzene	U	330	1.0	330	330	43
621-64-7	N-Nitroso-di-n-propylamine	U	330	1.0	330	330	56
106-44-5	3&4-Methylphenol	U	330	1.0	330	330	150
67-72-1	Hexachloroethane	U	330	1.0	330	330	61
98-95-3	Nitrobenzene	U	330	1.0	330	330	74
78-59-1	Isophorone	U	330	1.0	330	330	52
88-75-5	2-Nitrophenol	U	330	1.0	330	330	110
105-67-9	2,4-Dimethylphenol	U	330	1.0	330	330	120
111-91-1	Bis(2-Chloroethoxy)methane	U	330	1.0	330	330	52
65-85-0	Benzoic acid	U	820	1.0	820	820	410
120-83-2	2,4-Dichlorophenol	U	330	1.0	330	330	130
120-82-1	1,2,4-Trichlorobenzene	U	330	1.0	330	330	44
91-20-3	Naphthalene	U	330	1.0	330	330	64
106-47-8	4-Chloroaniline	U	330	1.0	330	330	53
87-68-3	Hexachlorobutadiene	U	330	1.0	330	330	44
59-50-7	4-Chloro-3-Methylphenol	U	330	1.0	330	330	120
91-57-6	2-Methylnaphthalene	U	330	1.0	330	330	57
90-12-0	1-Methylnaphthalene	U	330	1.0	330	330	160
77-47-4	Hexachlorocyclopentadiene	U	330	1.0	330	330	75
88-06-2	2,4,6-Trichlorophenol	U	330	1.0	330	330	120
95-95-4	2,4,5-Trichlorophenol	U	820	1.0	820	820	180
91-58-7	2-Chloronaphthalene	U	330	1.0	330	330	48
88-74-4	2-Nitroaniline	U	820	1.0	820	820	75
131-11-3	Dimethyl Phthalate	U	330	1.0	330	330	62
606-20-2	2,6-Dinitrotoluene	U	330	1.0	330	330	77
208-96-8	Acenaphthylene	U	330	1.0	330	330	40
99-09-2	3-Nitroaniline	U	820	1.0	820	820	71
83-32-9	Acenaphthene	J	68	1.0	330	330	60
51-28-5	2,4-Dinitrophenol	U	820	1.0	820	820	62
132-64-9	Dibenzofuran	U	330	1.0	330	330	62
100-02-7	4-Nitrophenol	U	820	1.0	820	820	160

Report of Analytical Results

Client:
Project: MIDDLE RIVER
PO No:
Sample Date:
Received Date:
Extraction Date: 10/26/05
Analysis Date: 29-OCT-2005 12:25
Report Date: 11/03/2005
Matrix: SOIL
% Solids: 100

Lab ID: WG21977-1
Client ID: WG21977-Blank
SDG: MID-7
Extracted by: GN
Extraction Method: SW846 3550
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG21977
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
121-14-2	2,4-Dinitrotoluene	U	330	1.0	330	330	98
84-66-2	Diethylphthalate	U	330	1.0	330	330	100
86-73-7	Fluorene	U	330	1.0	330	330	53
7005-72-3	4-Chlorophenyl-phenylether	U	330	1.0	330	330	50
100-01-6	4-Nitroaniline	U	820	1.0	820	820	86
534-52-1	4,6-Dinitro-2-Methylphenol	U	820	1.0	820	820	210
86-30-6	N-Nitrosodiphenylamine	U	330	1.0	330	330	72
103-33-3	Azobenzene	U	330	1.0	330	330	160
101-55-3	4-Bromophenyl-phenylether	U	330	1.0	330	330	56
118-74-1	Hexachlorobenzene	U	330	1.0	330	330	230
87-86-5	Pentachlorophenol	U	820	1.0	820	820	140
85-01-8	Phenanthrene	U	330	1.0	330	330	58
120-12-7	Anthracene	U	330	1.0	330	330	58
86-74-8	Carbazole	U	330	1.0	330	330	60
84-74-2	Di-n-butylphthalate	U	330	1.0	330	330	84
206-44-0	Fluoranthene	U	330	1.0	330	330	71
92-87-5	Benzidine	U	820	1.0	820	820	410
129-00-0	Pyrene	U	330	1.0	330	330	72
85-68-7	Butylbenzylphthalate	U	330	1.0	330	330	68
56-55-3	Benzo(a)anthracene	U	330	1.0	330	330	59
91-94-1	3,3'-Dichlorobenzidine	U	330	1.0	330	330	130
218-01-9	Chrysene	U	330	1.0	330	330	66
117-81-7	bis(2-Ethylhexyl)phthalate	U	330	1.0	330	330	74
117-84-0	Di-n-octylphthalate	U	330	1.0	330	330	74
205-99-2	Benzo(b)fluoranthene	U	330	1.0	330	330	64
207-08-9	Benzo(k)fluoranthene	U	330	1.0	330	330	59
50-32-8	Benzo(a)pyrene	U	330	1.0	330	330	45
193-39-5	Indeno(1,2,3-cd)pyrene	U	330	1.0	330	330	130
53-70-3	Dibenzo(a,h)anthracene	U	330	1.0	330	330	140
191-24-2	Benzo(g,h,i)perylene	U	330	1.0	330	330	130
367-12-4	2-Fluorophenol		50%				
13127-88-3	Phenol-D6		68%				
4165-60-0	Nitrobenzene-D5		41%				
321-60-8	2-Fluorobiphenyl		49%				
118-79-6	2,4,6-Tribromophenol		64%				
1718-51-0	Terphenyl-D14		* 62%				

Sample Data Summary A0000111

FORM I

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

WG21977-Blank

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-7

Matrix: (soil/water) SOIL Lab Sample ID: WG21977-1

Sample wt/vol: 0.030(Kg/mL) KG Lab File ID: K0454

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/26/05

Concentrated Extract Volume: 0.001(L) Date Analyzed: 10/29/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 5

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/Kg

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	141-79-7	3-PENTEN-2-ONE, 4-METHYL-	4.74	200	NJ
2.		UNKNOWN	5.25	800	J
3.		UNKNOWN	5.79	40000	J
4.		UNKNOWN	7.11	400	J
5.		UNKNOWN	11.80	200	J
6.					
7.					
8.					
9.					
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30.					

FORM I SV-TIC

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: MIDDLE RIVER
PO No:
Sample Date:
Received Date:
Extraction Date: 10/26/05
Analysis Date: 10/29/05
Report Date: 11/02/2005
Matrix: SOIL

Lab ID: WG21977-2
Client ID: WG21977-LCS
SDG: MID-7
Extracted by: GN
Extraction Method: SW846 3550
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG21977
Units: ug/Kg

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.		%REC.	QC. LIMITS
N-Nitrosodimethylamine	1667	NA	1070		64	47- 97
Pyridine	1667	NA	468		28	17-158
Aniline	1667	NA	879		53	52- 97
Phenol	3333	NA	2980		89	48-116
Bis(2-Chloroethyl)ether	1667	NA	1140		68	54-114
2-Chlorophenol	3333	NA	2980		89	60-118
1,3-Dichlorobenzene	1667	NA	1130		68	45-110
1,4-Dichlorobenzene	1667	NA	1180		71	44-111
1,2-Dichlorobenzene	1667	NA	1290		77	38-113
Benzyl alcohol	1667	NA	1210	*	73	74-125
2-Methylphenol	3333	NA	2380		71	53-121
2,2'-Oxybis(1-chloropropane)	1667	NA	1240		74	49-122
N-Nitroso-di-n-propylamine	1667	NA	955		57	36-115
3&4-Methylphenol	3333	NA	2660		80	59-127
4-Methylphenol	3333	NA	2660		80	59-127
Hexachloroethane	1667	NA	1060		64	40- 99
Nitrobenzene	1667	NA	1260		76	49-113
Isophorone	1667	NA	1210		73	46-112
2-Nitrophenol	3333	NA	2400		72	57-120
2,4-Dimethylphenol	3333	NA	2460		74	54-113
Bis(2-Chloroethoxy)methane	1667	NA	1360		82	50-117
Benzoic acid	1667	NA	742		44	0-150
2,4-Dichlorophenol	3333	NA	2690		81	59-116
1,2,4-Trichlorobenzene	1667	NA	1420		85	53-115
Naphthalene	1667	NA	1230		74	49-125
4-Chloroaniline	1667	NA	697		42	20-120
Hexachlorobutadiene	1667	NA	1340		80	53-114
4-Chloro-3-Methylphenol	3333	NA	2730		82	62-126
2-Methylnaphthalene	1667	NA	1600		96	61-122
Hexachlorocyclopentadiene	1667	NA	1360	*	82	28- 73
2,4,6-Trichlorophenol	3333	NA	2800		84	62-120
2,4,5-Trichlorophenol	3333	NA	2570		77	62-124
Diethyl Adipate	1667	NA	1430		86	56-124
2-Chloronaphthalene	1667	NA	1230		74	42-160
2-Nitroaniline	1667	NA	1260		76	66-121
Dimethyl Phthalate	1667	NA	1420		85	56-133
2,6-Dinitrotoluene	1667	NA	1380		83	66-127
Acenaphthylene	1667	NA	1350		81	47-117
3-Nitroaniline	1667	NA	743	*	44	57-120
Acenaphthene	1667	NA	1300		78	54-122
2,4-Dinitrophenol	3333	NA	1760		53	3-118
Dibenzofuran	1667	NA	1440		86	66-119
4-Nitrophenol	3333	NA	1950		58	41-149
2,4-Dinitrotoluene	1667	NA	1310		79	60-125
Diethylphthalate	1667	NA	1280		77	57-135

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: MIDDLE RIVER
PO No:
Sample Date:
Received Date:
Extraction Date: 10/26/05
Analysis Date: 10/29/05
Report Date: 11/02/2005
Matrix: SOIL

Lab ID: WG21977-2
Client ID: WG21977-LCS
SDG: MID-7
Extracted by: GN
Extraction Method: SW846 3550
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG21977
Units: ug/Kg

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.		%REC.	QC. LIMITS
Fluorene	1667	NA	1340		80	54-128
4-Chlorophenyl-phenylether	1667	NA	1360		82	53-133
4-Nitroaniline	1667	NA	928	*	56	62-125
4,6-Dinitro-2-Methylphenol	3333	NA	2590		78	46-125
N-Nitrosodiphenylamine	3333	NA	990	*	30	70-131
1,2-Diphenylhydrazine	1667	NA	1410		85	55-121
4-Bromophenyl-phenylether	1667	NA	1530		92	67-138
Hexachlorobenzene	1667	NA	1720		103	63-131
Pentachlorophenol	3333	NA	2760		83	54-131
Phenanthrene	1667	NA	1350		81	69-133
Anthracene	1667	NA	1490		89	70-131
Carbazole	1667	NA	1240	*	74	78-133
Di-n-butylphthalate	1667	NA	1160		70	65-139
Fluoranthene	1667	NA	1370		82	69-133
Benzidine		NA				0-150
Pyrene	1667	NA	1350		81	58-141
Butylbenzylphthalate	1667	NA	1320		79	44-155
Bis(2-ethylhexyl)adipate	1667	NA	1150		69	60-157
Benzo(a)anthracene	1667	NA	1310		79	54-135
3,3'-Dichlorobenzidine	1667	NA	802		48	38-137
Chrysene	1667	NA	1500		90	55-129
bis(2-Ethylhexyl)phthalate	1667	NA	1330		80	45-154
Di-n-octylphthalate	1667	NA	1180		71	53-143
Benzo(b)fluoranthene	1667	NA	1260		76	47-136
Benzo(k)fluoranthene	1667	NA	1460		88	49-150
Benzo(a)pyrene	1667	NA	1320		79	52-135
Indeno(1,2,3-cd)pyrene	1667	NA	1310		79	43-142
Dibenzo(a,h)anthracene	1667	NA	1330		80	42-155
Benzo(g,h,i)perylene	1667	NA	1390		83	40-147

FORM 5

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-7

Lab File ID: KD646 DFTPP Injection Date: 10/07/05

Instrument ID: GCMS-K DFTPP Injection Time: 1228

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	52.5
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Less than 100.0% of mass 198	57.7
70	Less than 2.0% of mass 69	0.2 (0.3)1
127	40.0 - 60.0% of mass 198	46.2
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	7.5
275	10.0 - 30.0% of mass 198	20.4
365	1.0 - 100.0% of mass 198	2.0
441	0.0 - 100.0% of mass 443	7.6 (83.8)2
442	40.0 - 100.0% of mass 198	45.9
443	17.0 - 23.0% of mass 442	9.1 (19.8)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		SSTD050K1007	K0298	10/07/05	1303
02		SSTD150K1007	K0299	10/07/05	1352
03		SSTD125K1007	K0300	10/07/05	1440
04		SSTD100K1007	K0301	10/07/05	1529
05		SSTD025K1007	K0302	10/07/05	1618
06		SSTD010K1007	K0303	10/07/05	1706
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FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project MIDDLE RIVER SDG No.: MID-7

Instrument ID: GCMS-K Calibration Date(s): 10/07/05 10/07/05

Column: DB5-MS ID: 0.25 (mm) Calibration Time(s): 1303 1706

LAB FILE ID: RF10: K0303 RF25: K0302 RF50: K0298
RF100: K0301 RF125: K0300 RF150: K0299

COMPOUND	RF10	RF25	RF50	RF100	RF125	RF150	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2
1,4-Dioxane	0.545	0.549	0.620	0.529	0.543	0.516	AVRG		0.55042542		6.590	15.000
N-Nitrosodimethylamine	0.824	0.813	0.933	0.781	0.727	0.705	AVRG		0.79720248		10.182	15.000
Pyridine	1.744	1.644	1.718	1.533	1.444	1.230	AVRG		1.55216360		12.496	15.000
Aniline	256460	601770	1232100	1781200	2099000	2702400	2ORDR	3.438e-002	0.37326491	8.067e-002	0.99892	0.99000
2,2'-Oxybis(1-Chloropropa	313170	754430	1499200	2173800	2634600	3463000	LINR	-0.1667716	0.60656259		0.99057	0.99000
Phenol	220520	494870	995600	1415100	1699100	2494000	LINR	-0.1309262	0.88268949		0.99132	0.99000
Bis(2-Chloroethyl)ether	178490	401680	763590	1028800	1216800	1588900	2ORDR	5.303e-003	0.58297267	0.26257873	0.99900	0.99000
2-Chlorophenol	166220	391240	740530	1062100	1301800	1701500	LINR	-0.1900291	1.24160739		0.99014	0.99000
1,3-Dichlorobenzene	187260	435460	831820	1183200	1492000	1851300	2ORDR	8.753e-003	0.60148269	0.15280206	0.99900	0.99000
1,4-Dichlorobenzene	179690	411610	777470	1156000	1422500	1763700	2ORDR	1.854e-002	0.61233143	0.17143941	0.99870	0.99000
Benzyl alcohol	0.502	0.500	0.615	0.598	0.519	0.571	AVRG		0.55095771		9.172	15.000
2-Methylphenol	1.041	1.033	1.094	0.986	0.879	0.953	AVRG		0.99740142		7.583	15.000
1,2-Dichlorobenzene	171230	386910	715740	1032900	1284400	1605100	2ORDR	3.524e-003	0.68490274	0.20842248	0.99942	0.99000
N-Nitroso-di-n-propylamin	138430	321200	598010	877140	1019900	1305600	2ORDR	2.544e-002	0.70708317	0.37264552	0.99837	0.99000
3&4-Methylphenol	1.036	0.969	0.989	0.869	0.834	0.859	AVRG		0.92607491		8.915	15.000
Hexachloroethane	74978	168330	334640	453990	571110	681330	2ORDR	3.229e-002	1.22545421	1.38636711	0.99561	0.99000
Nitrobenzene	0.395	0.389	0.352	0.320	0.304	0.302	AVRG		0.34369701		12.135	15.000
Isophorone	0.762	0.748	0.686	0.610	0.576	0.594	AVRG		0.66277296		12.200	15.000
2-Nitrophenol	0.211	0.227	0.220	0.199	0.188	0.187	AVRG		0.20536024		8.173	15.000
2,4-Dimethylphenol	0.375	0.380	0.350	0.320	0.305	0.313	AVRG		0.34063208		9.558	15.000
Bis(2-Chloroethoxy)methan	199420	459080	862620	1274400	1495500	2010200	LINR	-0.1627168	3.18281630		0.99276	0.99000
Benzoic acid	50058	146690	353020	724020	860920	1321000	LINR	0.14731810	4.79297601		0.99120	0.99000
2,4-Dichlorophenol	0.260	0.298	0.281	0.249	0.236	0.241	AVRG		0.26086702		9.343	15.000
1,2,4-Trichlorobenzene	145370	333280	615010	891180	1075400	1408800	LINR	-0.1764320	4.52165114		0.99249	0.99000
Naphthalene	404150	934390	1685900	2388900	2812100	3623500	2ORDR	-9.39e-004	0.90972439	0.38528246	0.99985	0.99000
4-Chloroaniline	171150	408780	711620	1052000	1251900	1611100	2ORDR	-7.36e-003	2.28758644	1.69165796	0.99970	0.99000
Hexachlorobutadiene	0.182	0.176	0.158	0.146	0.134	0.131	AVRG		0.15449499		13.741	15.000
4-Chloro-3-Methylphenol	0.332	0.324	0.304	0.260	0.238	0.248	AVRG		0.28437191		14.330	15.000
2-Methylnaphthalene	273520	627780	1149000	1681700	2002600	2625600	LINR	-0.1808243	2.42263038		0.99172	0.99000
1-Methylnaphthalene	263140	618070	1138400	1613300	1911900	2501500	2ORDR	-1.02e-002	1.48312291	0.71218766	0.99957	0.99000
Hexachlorocyclopentadiene	0.138	0.193	0.212	0.130	0.126	0.095	AVRG		0.14903175		29.711	15.000
2,4,6-Trichlorophenol	0.366	0.374	0.354	0.312	0.293	0.277	AVRG		0.32936756		12.326	15.000
2,4,5-Trichlorophenol	0.380	0.375	0.394	0.353	0.340	0.336	AVRG		0.36299110		6.429	15.000
2-Chloronaphthalene	0.453	0.398	0.358	0.289	0.280	0.219	AVRG		0.33272208		25.856	15.000
2-Nitroaniline	0.375	0.395	0.385	0.358	0.340	0.343	AVRG		0.36592991		6.124	15.000
Dimethyl Phthalate	1.351	1.290	1.169	1.039	1.004	0.956	AVRG		1.13485631		14.217	15.000
2,6-Dinitrotoluene	71743	181260	341720	497180	613440	830340	LINR	-0.1711689	4.57203297		0.99164	0.99000
Acenaphthylene	392840	908210	1567000	2238000	2728800	3429000	2ORDR	3.287e-003	0.46049913	0.17571748	0.99760	0.99000
3-Nitroaniline	0.286	0.306	0.311	0.294	0.287	0.256	AVRG		0.28988829		6.767	15.000
Acenaphthene	231270	561140	1034600	1547400	1725400	2242800	2ORDR	4.676e-002	0.56714016	0.46800878	0.99759	0.99000
2,4-Dinitrophenol	14932	65883	227850	382980	524150	734730	LINR	0.13682839	4.94704278		0.99555	0.99000
Dibenzofuran	343100	801900	1464400	2187700	2512100	3313700	2ORDR	1.762e-002	0.50487026	0.18523445	0.99962	0.99000
4-Nitrophenol	0.064	0.063	0.117	0.092	0.097	0.123	AVRG		9.271e-002		27.278	15.000
2,4-Dinitrotoluene	0.373	0.413	0.407	0.370	0.362	0.358	AVRG		0.38053135		6.166	15.000

FORM 6

SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project MIDDLE RIVER SDG No.: MID-7

Instrument ID: GCMS-K Calibration Date(s): 10/07/05 10/07/05

Column: DB5-MS ID: 0.25 (mm) Calibration Time(s): 1303 1706

LAB FILE ID: RF10: K0303 RF25: K0302 RF50: K0298
RF100: K0301 RF125: K0300 RF150: K0299

COMPOUND	RF10	RF25	RF50	RF100	RF125	RF150	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2
Diethylphthalate	299800	707300	1368300	2055300	2441900	3226800	2ORDR	1.069e-002	0.64042077	0.15864986	0.99996	0.99000
Fluorene	277930	634430	1208300	1727900	2072600	2635600	2ORDR	2.304e-002	0.60092643	0.29626485	0.99872	0.99000
4-Chlorophenyl-phenylethe	131890	308730	602360	905020	1075300	1382700	2ORDR	2.769e-002	1.31124380	0.95774953	0.99911	0.99000
4-Nitroaniline	0.300	0.316	0.319	0.280	0.292	0.274	AVRG		0.29696825		6.219	15.000
4,6-Dinitro-2-Methylpheno	0.104	0.146	0.161	0.148	0.152	0.151	AVRG		0.14385588		13.898	15.000
N-Nitrosodiphenylamine	227020	529080	1061800	1559800	1810200	2324400	2ORDR	2.657e-002	1.12599702	0.75287857	0.99956	0.99000
Azobenzene	311630	715970	1328700	2018500	2312500	3400000	LINR	-0.1501448	1.69483091		0.99099	0.99000
4-Bromophenyl-phenylether	0.224	0.214	0.197	0.173	0.161	0.160	AVRG		0.18845549		14.707	15.000
Hexachlorobenzene	82715	195900	375740	576390	703340	918400	LINR	-0.1519955	5.98707281		0.99408	0.99000
Pentachlorophenol	0.076	0.106	0.117	0.110	0.115	0.112	AVRG		0.10609812		14.391	15.000
Phenanthrene	344940	781080	1499800	2225600	2723400	3430600	2ORDR	2.211e-004	0.91052395	0.28270251	0.99938	0.99000
Anthracene	345550	783590	1396300	2020900	2281600	2854600	2ORDR	3.493e-002	0.58937539	0.64932769	0.99791	0.99000
Carbazole	324900	792850	1594500	2292000	2838700	3443500	2ORDR	2.677e-002	0.77673565	0.31663100	0.99669	0.99000
Di-n-butylphthalate	494670	1167300	2285700	3175600	3772000	4490200	2ORDR	5.156e-002	0.36748526	0.25134007	0.99451	0.99000
Fluoranthene	376800	866140	1630600	2405300	2936200	3420000	2ORDR	2.448e-002	0.67564554	0.34406257	0.99063	0.99000
Benzidine	0.226	0.316	0.347	0.255	0.298	0.243	AVRG		0.28088417		16.697	15.000
Pyrene	1.398	1.274	1.279	1.263	1.048	1.310	AVRG		1.26218411		9.166	15.000
Butylbenzylphthalate	0.768	0.730	0.725	0.727	0.604	0.678	AVRG		0.70534430		8.083	15.000
Benzo(a)anthracene	1.085	1.092	1.053	0.976	0.958	0.934	AVRG		1.01619239		6.762	15.000
3,3'-Dichlorobenzidine	0.289	0.317	0.304	0.274	0.300	0.265	AVRG		0.29154818		6.660	15.000
Chrysene	0.969	0.959	0.903	0.818	0.784	0.770	AVRG		0.86717796		10.166	15.000
bis(2-Ethylhexyl)phthalat	0.969	0.952	0.952	0.915	0.792	0.870	AVRG		0.90848961		7.396	15.000
Di-n-octylphthalate	2.642	2.335	2.559	2.362	1.728	2.068	AVRG		2.28237065		14.776	15.000
Benzo(b)fluoranthene	1.534	1.428	1.408	1.204	1.121	1.188	AVRG		1.31391998		12.519	15.000
Benzo(k)fluoranthene	266660	666700	989220	1323100	2162400	1629700	LINR	-0.1425624	0.94594846		0.99200	0.99000
Benzo(a)pyrene	1.242	1.234	1.206	1.083	1.042	1.023	AVRG		1.13840674		8.789	15.000
Indeno(1,2,3-cd)pyrene	0.724	0.851	0.802	0.847	0.909	0.856	AVRG		0.83161331		7.515	15.000
Dibenzo(a,h)anthracene	0.747	0.864	0.795	0.808	0.820	0.809	AVRG		0.80718988		4.707	15.000
Benzo(g,h,i)perylene	0.761	0.887	0.832	0.865	0.873	0.806	AVRG		0.83765186		5.691	15.000
2-Fluorophenol	1.196	1.189	1.117	0.958	0.880	0.918	AVRG		1.04298412		13.541	15.000
Phenol-D6	185010	436480	794890	1204800	1432600	2004300	LINR	-0.1558142	1.07945192		0.99313	0.99000
Nitrobenzene-D5	0.411	0.400	0.384	0.346	0.336	0.345	AVRG		0.37026087		8.654	15.000
2-Fluorobiphenyl	294120	656040	1240000	1787300	2094200	2676900	2ORDR	2.993e-002	0.53398025	0.30826030	0.99905	0.99000
2,4,6-Tribromophenol	0.133	0.143	0.142	0.142	0.138	0.138	AVRG		0.13949938		2.698	15.000
Terphenyl-D14	0.854	0.812	0.915	0.855	0.708	0.910	AVRG		0.84241432		9.083	15.000

FORM 5

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-7

Lab File ID: KD657 DFTPP Injection Date: 10/29/05

Instrument ID: GCMS-K DFTPP Injection Time: 1110

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	50.4
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Less than 100.0% of mass 198	57.7
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	50.4
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	7.0
275	10.0 - 30.0% of mass 198	19.8
365	1.0 - 100.0% of mass 198	1.7
441	0.0 - 100.0% of mass 443	5.5 (70.8)2
442	40.0 - 100.0% of mass 198	41.5
443	17.0 - 23.0% of mass 442	7.8 (18.8)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		SSTD050K1029	K0453	10/29/05	1135
02	WG21977-BLANK	WG21977-1	K0454	10/29/05	1225
03	WG21977-LCS	WG21977-2	K0455	10/29/05	1314
04	SD-36-SS	WV5606-1	K0462	10/29/05	1854
05	SD-37-SS	WV5606-2	K0463	10/29/05	1943
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20					

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-7

Instrument ID: GCMS-K Calibration Date: 10/29/05 Time: 1135

Lab File ID: K0453 Init. Calib. Date(s): 10/07/05 10/07/05

Init. Calib. Times: 1303 1706

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	0.5500000	0.5784700	0.5784700	0.01	5.18	100.00	AVRG
N-Nitrosodimethylamine	0.7970000	0.8503300	0.8503300	0.01	6.69	100.00	AVRG
Pyridine	1.5520000	1.6991000	1.6991000	0.01	9.48	100.00	AVRG
Aniline	47.548000	50.000000	1.6965000	0.01	-4.90	100.00	2RDR
2,2'-Oxybis(1-Chloropropane)	49.927000	50.000000	1.8662000	0.01	-0.15	100.00	LINR
Phenol	59.658000	50.000000	1.4704000	0.01	19.32	20.00	LINR
Bis(2-Chloroethyl)ether	54.196000	50.000000	1.1314000	0.01	8.39	100.00	2RDR
2-Chlorophenol	59.587000	50.000000	1.0823000	0.01	19.17	100.00	LINR
1,3-Dichlorobenzene	54.214000	50.000000	1.2749000	0.01	8.43	100.00	2RDR
1,4-Dichlorobenzene	53.393000	50.000000	1.2085000	0.01	6.79	20.00	2RDR
Benzyl alcohol	0.5510000	7.85e-002	7.85e-002	0.01	-85.79	100.00	AVRG
2-Methylphenol	0.9980000	1.0471000	1.0471000	0.01	4.92	100.00	AVRG
1,2-Dichlorobenzene	55.500000	50.000000	1.1304000	0.01	11.00	100.00	2RDR
N-Nitroso-di-n-propylamine	44.497000	50.000000	0.8039900	0.05	-11.01	100.00	2RDR
3&4-Methylphenol	0.9260000	1.0241000	1.0241000	0.01	10.59	100.00	AVRG
Hexachloroethane	57.418000	50.000000	0.5255000	0.01	14.84	100.00	2RDR
Nitrobenzene	0.3440000	0.3417900	0.3417900	0.01	-0.64	100.00	AVRG
Isophorone	0.6630000	0.6689500	0.6689500	0.01	0.90	100.00	AVRG
2-Nitrophenol	0.2050000	0.2205800	0.2205800	0.01	7.60	20.00	AVRG
2,4-Dimethylphenol	0.3400000	0.3609700	0.3609700	0.01	6.17	100.00	AVRG
Bis(2-Chloroethoxy)methane	54.921000	50.000000	0.3860100	0.01	9.84	100.00	LINR
Benzoic acid	33.425000	50.000000	0.1148900	0.01	-33.15	100.00	LINR
2,4-Dichlorophenol	0.2610000	0.2930200	0.2930200	0.01	12.27	20.00	AVRG
1,2,4-Trichlorobenzene	61.584000	50.000000	0.3036100	0.01	23.17	100.00	LINR
Naphthalene	55.089000	50.000000	0.8391500	0.01	10.18	100.00	2RDR
4-Chloroaniline	54.188000	50.000000	0.3579200	0.01	8.38	100.00	2RDR
Hexachlorobutadiene	0.1540000	0.1628600	0.1628600	0.01	5.75	20.00	AVRG
4-Chloro-3-Methylphenol	0.2840000	0.2924400	0.2924400	0.01	2.97	20.00	AVRG
2-Methylnaphthalene	65.338000	50.000000	0.5991100	0.01	30.68	100.00	LINR

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-7

Instrument ID: GCMS-K Calibration Date: 10/29/05 Time: 1135

Lab File ID: K0453 Init. Calib. Date(s): 10/07/05 10/07/05

Init. Calib. Times: 1303 1706

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	52.650000	50.000000	0.5402600	0.01	5.30	100.00	2RDR
Hexachlorocyclopentadiene	0.1490000	0.1739700	0.1739700	0.05	16.76	100.00	AVRG
2,4,6-Trichlorophenol	0.3290000	0.3362000	0.3362000	0.01	2.19	20.00	AVRG
2,4,5-Trichlorophenol	0.3630000	0.3393400	0.3393400	0.01	-6.52	100.00	AVRG
2-Chloronaphthalene	0.3330000	0.3805200	0.3805200	0.01	14.27	100.00	AVRG
2-Nitroaniline	0.3660000	0.3292100	0.3292100	0.01	-10.05	100.00	AVRG
Dimethyl Phthalate	1.1350000	1.1477000	1.1477000	0.01	1.12	100.00	AVRG
2,6-Dinitrotoluene	57.975000	50.000000	0.2835600	0.01	15.95	100.00	LINR
Acenaphthylene	55.491000	50.000000	1.4296000	0.01	10.98	100.00	2RDR
3-Nitroaniline	0.2900000	0.2879600	0.2879600	0.01	-0.70	100.00	AVRG
Acenaphthene	51.116000	50.000000	0.9003900	0.01	2.23	20.00	2RDR
2,4-Dinitrophenol	44.285000	50.000000	0.1569100	0.05	-11.43	100.00	LINR
Dibenzofuran	51.708000	50.000000	1.2750000	0.01	3.42	100.00	2RDR
4-Nitrophenol	9.3e-002	6.83e-002	6.83e-002	0.05	-26.56	100.00	AVRG
2,4-Dinitrotoluene	0.3800000	0.3637800	0.3637800	0.01	-4.27	100.00	AVRG
Diethylphthalate	50.033000	50.000000	1.1439000	0.01	0.07	100.00	2RDR
Fluorene	51.134000	50.000000	1.0244000	0.01	2.27	100.00	2RDR
4-Chlorophenyl-phenylether	50.339000	50.000000	0.5117800	0.01	0.68	100.00	2RDR
4-Nitroaniline	0.2970000	0.2613800	0.2613800	0.01	-11.99	100.00	AVRG
4,6-Dinitro-2-Methylphenol	0.1440000	0.1506800	0.1506800	0.01	4.64	100.00	AVRG
N-Nitrosodiphenylamine	50.012000	50.000000	0.5842000	0.01	0.02	20.00	2RDR
Azobenzene	55.238000	50.000000	0.7227100	0.01	10.48	100.00	LINR
4-Bromophenyl-phenylether	0.1880000	0.2014100	0.2014100	0.01	7.13	100.00	AVRG
Hexachlorobenzene	57.416000	50.000000	0.2121100	0.01	14.83	100.00	LINR
Pentachlorophenol	0.1060000	0.1004300	0.1004300	0.01	-5.25	20.00	AVRG
Phenanthrene	54.609000	50.000000	0.8911300	0.01	9.22	100.00	2RDR
Anthracene	55.959000	50.000000	0.8519500	0.01	11.92	100.00	2RDR
Carbazole	48.302000	50.000000	0.8489200	0.01	-3.40	100.00	2RDR
Di-n-butylphthalate	48.810000	50.000000	1.2367000	0.01	-2.38	100.00	2RDR

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-7

Instrument ID: GCMS-K Calibration Date: 10/29/05 Time: 1135

Lab File ID: K0453 Init. Calib. Date(s): 10/07/05 10/07/05

Init. Calib. Times: 1303 1706

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
Fluoranthene	48.657000	50.000000	0.8980100	0.01	-2.69	20.00	2RDR
Benzidine	0.2810000	0.3725800	0.3725800	0.01	<32.59>	100.00	AVRG
Pyrene	1.2620000	1.2625000	1.2625000	0.01	0.04	100.00	AVRG
Butylbenzylphthalate	0.7050000	0.7076400	0.7076400	0.01	0.37	100.00	AVRG
Benzo(a)anthracene	1.0160000	1.0454000	1.0454000	0.01	2.89	100.00	AVRG
3,3'-Dichlorobenzidine	0.2920000	0.3040400	0.3040400	0.01	4.12	100.00	AVRG
Chrysene	0.8670000	0.9240900	0.9240900	0.01	6.58	100.00	AVRG
bis(2-Ethylhexyl)phthalate	0.9080000	0.9179800	0.9179800	0.01	1.10	100.00	AVRG
Di-n-octylphthalate	2.2820000	2.2730000	2.2730000	0.01	-0.39	20.00	AVRG
Benzo(b)fluoranthene	1.3140000	1.2984000	1.2984000	0.01	-1.19	100.00	AVRG
Benzo(k)fluoranthene	54.255000	50.000000	1.2677000	0.01	8.51	100.00	LINR
Benzo(a)pyrene	1.1380000	1.1634000	1.1634000	0.01	2.23	20.00	AVRG
Indeno(1,2,3-cd)pyrene	0.8320000	0.6839300	0.6839300	0.01	-17.80	100.00	AVRG
Dibenzo(a,h)anthracene	0.8070000	0.7180400	0.7180400	0.01	-11.02	100.00	AVRG
Benzo(g,h,i)perylene	0.8370000	0.7231300	0.7231300	0.01	-13.60	100.00	AVRG
2-Fluorophenol	1.0430000	1.1169000	1.1169000	0.01	7.08	100.00	AVRG
Phenol-D6	58.860000	50.000000	1.2060000	0.01	17.72	100.00	LINR
Nitrobenzene-D5	0.3700000	0.3602600	0.3602600	0.01	-2.63	100.00	AVRG
2-Fluorobiphenyl	56.077000	50.000000	1.1316000	0.01	12.15	100.00	2RDR
2,4,6-Tribromophenol	0.1390000	0.1098800	0.1098800	0.01	-20.95	100.00	AVRG
Terphenyl-D14	0.8420000	0.8756100	0.8756100	0.01	3.99	100.00	AVRG

FORM 5

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-7

Lab File ID: KD658 DFTPP Injection Date: 10/30/05

Instrument ID: GCMS-K DFTPP Injection Time: 2003

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	54.7
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Less than 100.0% of mass 198	56.7
70	Less than 2.0% of mass 69	0.2 (0.4)1
127	40.0 - 60.0% of mass 198	46.4
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	22.3
365	1.0 - 100.0% of mass 198	2.2
441	0.0 - 100.0% of mass 443	8.4 (84.8)2
442	40.0 - 100.0% of mass 198	46.8
443	17.0 - 23.0% of mass 442	9.9 (21.1)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		SSTD050K1030	K0468	10/30/05	2024
02	SD-40-SS	WV5606-5	K0470	10/30/05	2201
03	SD-38-SS	WV5606-3	K0471	10/30/05	2250
04	SD-39-SS	WV5606-4	K0472	10/30/05	2338
05	SD-40-01	WV5606-6	K0473	10/31/05	0027
06	SD-40-02	WV5606-7	K0474	10/31/05	0117
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FORM 7B

SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-7

Instrument ID: GCMS-K Calibration Date: 10/30/05 Time: 2024

Lab File ID: K0468 Init. Calib. Date(s): 10/07/05 10/07/05

Init. Calib. Times: 1303 1706

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	0.5500000	0.5661600	0.5661600	0.01	2.94	100.00	AVRG
N-Nitrosodimethylamine	0.7970000	0.9127600	0.9127600	0.01	14.52	100.00	AVRG
Pyridine	1.5520000	1.5703000	1.5703000	0.01	1.18	100.00	AVRG
Aniline	46.955000	50.000000	1.6799000	0.01	-6.09	100.00	2RDR
2,2'-Oxybis(1-Chloropropane)	60.154000	50.000000	2.2034000	0.01	20.31	100.00	LINR
Phenol	57.443000	50.000000	1.4202000	0.01	14.89	20.00	LINR
Bis(2-Chloroethyl)ether	51.992000	50.000000	1.0978000	0.01	3.98	100.00	2RDR
2-Chlorophenol	57.178000	50.000000	1.0435000	0.01	14.36	100.00	LINR
1,3-Dichlorobenzene	50.457000	50.000000	1.2050000	0.01	0.91	100.00	2RDR
1,4-Dichlorobenzene	51.657000	50.000000	1.1776000	0.01	3.31	20.00	2RDR
Benzyl alcohol	0.5510000	0.1984300	0.1984300	0.01	-63.99	100.00	AVRG
2-Methylphenol	0.9980000	1.0130000	1.0130000	0.01	1.50	100.00	AVRG
1,2-Dichlorobenzene	52.935000	50.000000	1.0898000	0.01	5.87	100.00	2RDR
N-Nitroso-di-n-propylamine	48.311000	50.000000	0.8555300	0.05	-3.38	100.00	2RDR
3&4-Methylphenol	0.9260000	1.0608000	1.0608000	0.01	14.56	100.00	AVRG
Hexachloroethane	53.116000	50.000000	0.4967900	0.01	6.23	100.00	2RDR
Nitrobenzene	0.3440000	0.3359300	0.3359300	0.01	-2.34	100.00	AVRG
Isophorone	0.6630000	0.6304700	0.6304700	0.01	-4.91	100.00	AVRG
2-Nitrophenol	0.2050000	0.2031600	0.2031600	0.01	-0.90	20.00	AVRG
2,4-Dimethylphenol	0.3400000	0.3423400	0.3423400	0.01	0.69	100.00	AVRG
Bis(2-Chloroethoxy)methane	51.980000	50.000000	0.3675300	0.01	3.96	100.00	LINR
Benzoic acid	28.978000	50.000000	9.63e-002	0.01	-42.04	100.00	LINR
2,4-Dichlorophenol	0.2610000	0.2816700	0.2816700	0.01	7.92	20.00	AVRG
1,2,4-Trichlorobenzene	56.670000	50.000000	0.2818800	0.01	13.34	100.00	LINR
Naphthalene	47.756000	50.000000	0.7516400	0.01	-4.49	100.00	2RDR
4-Chloroaniline	49.697000	50.000000	0.3339700	0.01	-0.61	100.00	2RDR
Hexachlorobutadiene	0.1540000	0.1709700	0.1709700	0.01	11.02	20.00	AVRG
4-Chloro-3-Methylphenol	0.2840000	0.2925800	0.2925800	0.01	3.02	20.00	AVRG
2-Methylnaphthalene	61.212000	50.000000	0.5650500	0.01	22.42	100.00	LINR

FORM VII PEST

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-7

Instrument ID: GCMS-K Calibration Date: 10/30/05 Time: 2024

Lab File ID: K0468 Init. Calib. Date(s): 10/07/05 10/07/05

Init. Calib. Times: 1303 1706

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	48.579000	50.000000	0.5065500	0.01	-2.84	100.00	2RDR
Hexachlorocyclopentadiene	0.1490000	0.1482000	0.1482000	0.05	-0.54	100.00	AVRG
2,4,6-Trichlorophenol	0.3290000	0.3391900	0.3391900	0.01	3.10	20.00	AVRG
2,4,5-Trichlorophenol	0.3630000	0.3419400	0.3419400	0.01	-5.80	100.00	AVRG
2-Chloronaphthalene	0.3330000	0.3111600	0.3111600	0.01	-6.56	100.00	AVRG
2-Nitroaniline	0.3660000	0.3322100	0.3322100	0.01	-9.23	100.00	AVRG
Dimethyl Phthalate	1.1350000	1.1014000	1.1014000	0.01	-2.96	100.00	AVRG
2,6-Dinitrotoluene	53.666000	50.000000	0.2647100	0.01	7.33	100.00	LINR
Acenaphthylene	47.936000	50.000000	1.2866000	0.01	-4.13	100.00	2RDR
3-Nitroaniline	0.2900000	0.2698700	0.2698700	0.01	-6.94	100.00	AVRG
Acenaphthene	45.474000	50.000000	0.8289100	0.01	-9.05	20.00	2RDR
2,4-Dinitrophenol	45.708000	50.000000	0.1626600	0.05	-8.58	100.00	LINR
Dibenzofuran	46.751000	50.000000	1.1826000	0.01	-6.50	100.00	2RDR
4-Nitrophenol	9.3e-002	8.76e-002	8.76e-002	0.05	-5.81	100.00	AVRG
2,4-Dinitrotoluene	0.3800000	0.3648900	0.3648900	0.01	-3.98	100.00	AVRG
Diethylphthalate	46.868000	50.000000	1.0854000	0.01	-6.26	100.00	2RDR
Fluorene	47.242000	50.000000	0.9662500	0.01	-5.52	100.00	2RDR
4-Chlorophenyl-phenylether	50.457000	50.000000	0.5127100	0.01	0.91	100.00	2RDR
4-Nitroaniline	0.2970000	0.2599200	0.2599200	0.01	-12.48	100.00	AVRG
4,6-Dinitro-2-Methylphenol	0.1440000	0.1531600	0.1531600	0.01	6.36	100.00	AVRG
N-Nitrosodiphenylamine	47.345000	50.000000	0.5599800	0.01	-5.31	20.00	2RDR
Azobenzene	50.428000	50.000000	0.6659500	0.01	0.86	100.00	LINR
4-Bromophenyl-phenylether	0.1880000	0.2118600	0.2118600	0.01	12.69	100.00	AVRG
Hexachlorobenzene	62.147000	50.000000	0.2279200	0.01	24.29	100.00	LINR
Pentachlorophenol	0.1060000	9.96e-002	9.96e-002	0.01	-6.04	20.00	AVRG
Phenanthrene	49.420000	50.000000	0.8226700	0.01	-1.16	100.00	2RDR
Anthracene	47.048000	50.000000	0.7579600	0.01	-5.90	100.00	2RDR
Carbazole	43.327000	50.000000	0.7789100	0.01	-13.35	100.00	2RDR
Di-n-butylphthalate	43.677000	50.000000	1.1446000	0.01	-12.65	100.00	2RDR

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: MID-7

Instrument ID: GCMS-K Calibration Date: 10/30/05 Time: 2024

Lab File ID: K0468 Init. Calib. Date(s): 10/07/05 10/07/05

Init. Calib. Times: 1303 1706

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
Fluoranthene	45.670000	50.000000	0.8562400	0.01	-8.66	20.00	2RDR
Benzidine	0.2810000	0.2792200	0.2792200	0.01	-0.63	100.00	AVRG
Pyrene	1.2620000	1.1582000	1.1582000	0.01	-8.22	100.00	AVRG
Butylbenzylphthalate	0.7050000	0.6102700	0.6102700	0.01	-13.44	100.00	AVRG
Benzo(a)anthracene	1.0160000	0.9676700	0.9676700	0.01	-4.76	100.00	AVRG
3,3'-Dichlorobenzidine	0.2920000	0.2740000	0.2740000	0.01	-6.16	100.00	AVRG
Chrysene	0.8670000	0.8534400	0.8534400	0.01	-1.56	100.00	AVRG
bis(2-Ethylhexyl)phthalate	0.9080000	0.7913400	0.7913400	0.01	-12.85	100.00	AVRG
Di-n-octylphthalate	2.2820000	1.9790000	1.9790000	0.01	-13.28	20.00	AVRG
Benzo(b)fluoranthene	1.3140000	1.1784000	1.1784000	0.01	-10.32	100.00	AVRG
Benzo(k)fluoranthene	50.596000	50.000000	1.1903000	0.01	1.19	100.00	LINR
Benzo(a)pyrene	1.1380000	1.0555000	1.0555000	0.01	-7.25	20.00	AVRG
Indeno(1,2,3-cd)pyrene	0.8320000	0.6845000	0.6845000	0.01	-17.73	100.00	AVRG
Dibenzo(a,h)anthracene	0.8070000	0.7186700	0.7186700	0.01	-10.94	100.00	AVRG
Benzo(g,h,i)perylene	0.8370000	0.7325200	0.7325200	0.01	-12.48	100.00	AVRG
2-Fluorophenol	1.0430000	1.0594000	1.0594000	0.01	1.57	100.00	AVRG
Phenol-D6	59.369000	50.000000	1.2154000	0.01	18.74	100.00	LINR
Nitrobenzene-D5	0.3700000	0.3274700	0.3274700	0.01	-11.49	100.00	AVRG
2-Fluorobiphenyl	45.839000	50.000000	0.9795800	0.01	-8.32	100.00	2RDR
2,4,6-Tribromophenol	0.1390000	0.1558000	0.1558000	0.01	12.09	100.00	AVRG
Terphenyl-D14	0.8420000	0.8712800	0.8712800	0.01	3.48	100.00	AVRG

TETRA TECH NUS, INC. **CALCULATION WORKSHEET** PAGE _____ OF _____

CLIENT		JOB NUMBER	
Lockheed Middle River		00275	
SUBJECT	SVOC		
BASED ON	8270C	DRAWING NUMBER	
BY EWS	CHECKED BY	APPROVED BY	DATE

50-36-55

Chrysene = 280 ug/kg

$$\frac{31423_{area} \times 40ng \times 1{,}000ul}{645473_{area} \times 0.8672ml \times 30g \times 1 \times 0.267} = 280\ ug/kg$$

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/21/05
Received Date: 10/22/05
Extraction Date: 10/26/05
Analysis Date: 29-OCT-2005 18:54
Report Date: 11/01/2005
Matrix: SOIL
% Solids: 26.7

Lab ID: WV5606-1
Client ID: SD-36-SS
SDG: MID-7
Extracted by: GN
Extraction Method: SW846 3550
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG21977
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
121-14-2	2,4-Dinitrotoluene	U	1200	1.0	330	1200	360
84-66-2	Diethylphthalate	U	1200	1.0	330	1200	390
86-73-7	Fluorene	U	1200	1.0	330	1200	200
7005-72-3	4-Chlorophenyl-phenylether	U	1200	1.0	330	1200	190
100-01-6	4-Nitroaniline	U	3100	1.0	820	3100	320
534-52-1	4,6-Dinitro-2-Methylphenol	U	3100	1.0	820	3100	770
86-30-6	N-Nitrosodiphenylamine	U	1200	1.0	330	1200	270
103-33-3	Azobenzene	U	1200	1.0	330	1200	620
101-55-3	4-Bromophenyl-phenylether	U	1200	1.0	330	1200	210
118-74-1	Hexachlorobenzene	U	1200	1.0	330	1200	870
87-86-5	Pentachlorophenol	U	3100	1.0	820	3100	530
85-01-8	Phenanthrene	U	1200	1.0	330	1200	220
120-12-7	Anthracene	U	1200	1.0	330	1200	220
86-74-8	Carbazole	U	1200	1.0	330	1200	220
84-74-2	Di-n-butylphthalate	U	1200	1.0	330	1200	320
206-44-0	Fluoranthene	J	360	1.0	330	1200	260
92-87-5	Benzidine	U	3100	1.0	820	3100	1500
129-00-0	Pyrene	J	550	1.0	330	1200	270
85-68-7	Butylbenzylphthalate	U	1200	1.0	330	1200	250
56-55-3	Benzo(a)anthracene	U	1200	1.0	330	1200	220
91-94-1	3,3'-Dichlorobenzidine	U	1200	1.0	330	1200	500
218-01-9	Chrysene	J	280	1.0	330	1200	240
117-81-7	bis(2-Ethylhexyl)phthalate		1200	1.0	330	1200	280
117-84-0	Di-n-octylphthalate	U	1200	1.0	330	1200	280
205-99-2	Benzo(b)fluoranthene	J	360	1.0	330	1200	240
207-08-9	Benzo(k)fluoranthene	U	1200	1.0	330	1200	220
50-32-8	Benzo(a)pyrene	J	200	1.0	330	1200	170
193-39-5	Indeno(1,2,3-cd)pyrene	U	1200	1.0	330	1200	500
53-70-3	Dibenzo(a,h)anthracene	U	1200	1.0	330	1200	530
191-24-2	Benzo(g,h,i)perylene	U	1200	1.0	330	1200	480
367-12-4	2-Fluorophenol		50%				
13127-88-3	Phenol-D6		73%				
4165-60-0	Nitrobenzene-D5		43%				
321-60-8	2-Fluorobiphenyl		55%				
118-79-6	2,4,6-Tribromophenol		62%				
1718-51-0	Terphenyl-D14		90%				

Data File: \\Target_server\GG\chem\gcms-k.i\K102905.b\K0462.D
Report Date: 31-Oct-2005 14:37

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-k.i\K102905.b\K0462.D
Lab Smp Id: WV5606-1 Client Smp ID: SD-36-SS
Inj Date : 29-OCT-2005 18:54 MS Autotune Date: 01-MAR-2004 10:18
Operator : JCG Inst ID: gcms-k.i
Smp Info : WV5606-1
Misc Info : SW846 8270C
Comment :
Method : \\Target_server\GG\chem\gcms-k.i\K102905.b\k8270C51.m
Meth Date : 31-Oct-2005 09:15 gcms-k.i Quant Type: ISTD
Cal Date : 07-OCT-2005 17:06 Cal File: K0303.D
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: tetratmid002.sub
Target Version: 4.12

Concentration Formula: Amt * DF * 1000*(Vt/Ws*Vi)*(100/(100-M)) * CpndVariab

Name	Value	Description
DF	1.000	Dilution Factor
Vt	0.00100	Volume of final extract (L)
Ws	0.03000	Weight of sample extracted (Kg)
Vi	1.000	Volume injected (uL)
M	73.306	% Moisture
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	CONCENTRATIONS FINAL (ug/Kg)
$ 7 2-Fluorophenol	112	6.355	6.337	(0.714)	715062	50.4511	6300
$ 13 Phenol-D6	99	8.362	8.333	(0.939)	997067	72.9687	9110
* 18 1,4-Dichlorobenzene-D4	152	8.907	8.888	(1.000)	543570	40.0000	
19 1,4-Dichlorobenzene	146	8.946	8.927	(1.004)	1683	0.81769	102(aQ)
$ 33 Nitrobenzene-D5	82	10.144	10.135	(0.864)	375591	21.7410	2710
* 44 Naphthalene-D8	136	11.741	11.723	(1.000)	1866325	40.0000	
$ 62 2-Fluorobiphenyl	172	14.351	14.333	(0.904)	810486	27.4124	3420
* 77 Acenaphthene-D10	164	15.871	15.852	(1.000)	976697	40.0000	
79 Acenaphthene	153	15.939	15.930	(1.004)	2003	1.91692	239(aQ)
$ 100 2,4,6-Tribromophenol	330	17.789	17.761	(1.121)	212208	62.3002	7780
* 114 Phenanthrene-D10	188	19.406	19.397	(1.000)	1323518	40.0000	
126 Fluoranthene	202	22.318	22.290	(1.150)	91051	2.90347	362(a)
128 Pyrene	202	22.834	22.816	(0.886)	89273	4.38308	547(a)
$ 129 Terphenyl-D14	244	23.360	23.342	(0.906)	613654	45.1419	5640
* 140 Chrysene-D12	240	25.776	25.757	(1.000)	645473	40.0000	
142 Chrysene	228	25.834	25.815	(1.002)	31423	2.24554	280(a)
143 bis(2-Ethylhexyl)phthalate	149	26.165	26.147	(1.015)	146405	9.98660	1250
146 Benzo(b)fluoranthene	252	28.201	28.182	(0.973)	25227	2.92048	365(a)
149 Benzo(a)pyrene	252	28.863	28.844	(0.996)	11913	1.59177	199(a)
* 150 Perylene-D12	264	28.980	28.961	(1.000)	262968	40.0000	

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project MIDDLE RIVER SDG No.: MID-7

Instrument ID: GCMS-K Calibration Date(s): 10/07/05 10/07/05

Column: DB5-MS ID: 0.25 (mm) Calibration Time(s): 1303 1706

LAB FILE ID: RF10: K0303 RF25: K0302 RF50: K0298
RF100: K0301 RF125: K0300 RF150: K0299

								COEFFICENTS			%RSD	MAX %RSD
COMPOUND	RF10	RF25	RF50	RF100	RF125	RF150	CURVE	A0	A1	A2	OR R^2	OR R^2
Diethylphthalate	299800	707300	1368300	2055300	2441900	3226800	2ORDR	1.069e-002	0.64042077	0.15864986	0.99996	0.99000
Fluorene	277930	634430	1208300	1727900	2072600	2635600	2ORDR	2.304e-002	0.60092643	0,29626485	0.99872	0.99000
4-Chlorophenyl-phenylethe	131890	308730	602360	905020	1075300	1382700	2ORDR	2.769e-002	1.31124380	0.95774953	0.99911	0.99000
4-Nitroaniline	0.300	0.316	0.319	0.280	0.292	0.274	AVRG		0.29696825		6.219	15.000
4,6-Dinitro-2-Methylpheno	0.104	0.146	0.161	0.148	0.152	0.151	AVRG		0.14385588		13.898	15.000
N-Nitrosodiphenylamine	227020	529080	1061800	1559800	1810200	2324400	2ORDR	2.657e-002	1.12599702	0.75287857	0.99956	0.99000
Azobenzene	311630	715970	1328700	2018500	2312500	3400000	LINR	-0.1501448	1.69483091		0.99099	0.99000
4-Bromophenyl-phenylether	0.224	0.214	0.197	0.173	0.161	0.160	AVRG		0.18845549		14.707	15.000
Hexachlorobenzene	82715	195900	375740	576390	703340	918400	LINR	-0.1519955	5.98707281		0.99408	0.99000
Pentachlorophenol	0.076	0.106	0.117	0.110	0.115	0.112	AVRG		0.10609812		14.391	15.000
Phenanthrene	344940	781080	1499800	2225600	2723400	3430600	2ORDR	2.211e-004	0.91052395	0.28270251	0.99938	0.99000
Anthracene	345550	783590	1396300	2020900	2281600	2854600	2ORDR	3.493e-002	0.58937539	0.64932769	0.99791	0.99000
Carbazole	324900	792850	1594500	2292000	2838700	3443500	2ORDR	2.677e-002	0.77673565	0.31663100	0.99669	0.99000
Di-n-butylphthalate	494670	1167300	2285700	3175600	3772000	4490200	2ORDR	5.156e-002	0.36748526	0.25134007	0.99451	0.99000
Fluoranthene	376800	866140	1630600	2405300	2936200	3420000	2ORDR	2.448e-002	0.67564554	0.34406257	0.99063	0.99000
Benzidine	0.226	0.316	0.347	0.255	0.298	0.243	AVRG		0.28088417		16.697	15.000
Pyrene	1.398	1.274	1.279	1.263	1.048	1.310	AVRG		1.26218411		9.166	15.000
Butylbenzylphthalate	0.768	0.730	0.725	0.727	0.604	0.678	AVRG		0.70534430		8.083	15.000
Benzo(a)anthracene	1.085	1.092	1.053	0.976	0.958	0.934	AVRG		1.01619239		6.762	15.000
3,3'-Dichlorobenzidine	0.289	0.317	0.304	0.274	0.300	0.265	AVRG		0.29154818		6.660	15.000
Chrysene	0.969	0.959	0.903	0.818	0.784	0.770	AVRG		0.86717796		10.166	15.000
bis(2-Ethylhexyl)phthalat	0.969	0.952	0.952	0.915	0.792	0.870	AVRG		0.90848961		7.396	15.000
Di-n-octylphthalate	2.642	2.335	2.559	2.362	1.728	2.068	AVRG		2.28237065		14.776	15.000
Benzo(b)fluoranthene	1.534	1.428	1.408	1.204	1.121	1.188	AVRG		1.31391998		12.519	15.000
Benzo(k)fluoranthene	266660	666700	989220	1323100	2162400	1629700	LINR	-0.1425624	0.94594846		0.99200	0.99000
Benzo(a)pyrene	1.242	1.234	1.206	1.083	1.042	1.023	AVRG		1.13840674		8.789	15.000
Indeno(1,2,3-cd)pyrene	0.724	0.851	0.802	0.847	0.909	0.856	AVRG		0.83161331		7.515	15.000
Dibenzo(a,h)anthracene	0.747	0.864	0.795	0.808	0.820	0.809	AVRG		0.80718988		4.707	15.000
Benzo(g,h,i)perylene	0.761	0.887	0.832	0.865	0.873	0.806	AVRG		0.83765186		5.691	15.000
2-Fluorophenol	1.196	1.189	1.117	0.958	0.880	0.918	AVRG		1.04298412		13.541	15.000
Phenol-D6	185010	436480	794890	1204800	1432600	2004300	LINR	-0.1558142	1.07945192		0.99313	0.99000
Nitrobenzene-D5	0.411	0.400	0.384	0.346	0.336	0.345	AVRG		0.37026087		8.654	15.000
2-Fluorobiphenyl	294120	656040	1240000	1787300	2094200	2676900	2ORDR	2.993e-002	0.53398025	0.30826030	0.99905	0.99000
2,4,6-Tribromophenol	0.133	0.143	0.142	0.142	0.138	0.138	AVRG		0.13949938		2.698	15.000
Terphenyl-D14	0.854	0.812	0.915	0.855	0.708	0.910	AVRG		0.84241432		9.083	15.000

FORM VI SV

FORM 2

SOIL SEMIVOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: MIDDLE RIVER SDG No.: MID-7

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	WG22175-BLANK	WG22175-1	110*	103	101	102			1
02	WG22175-LCS	WG22175-2	106*	98	97	99			1
03	WG22175-LCSD	WG22175-3	105*	97	99	101			1
04	WG22135-BLANK	WG22135-1	107*	99	100	102			1
05	WG22135-LCS	WG22135-2	97	83	99	93			0
06	SD-39-SS	WV5606-4	87	79	76	77			0
07	SD-40-SS	WV5606-5	84	76	75	78			0
08	SD-40-01	WV5606-6	77	69	70	75			0
09	SD-40-02	WV5606-7	84	76	74	88			0
10	SD-36-SS	WV5606-1RA	79	68	72	75			0
11	SD-37-SS	WV5606-2RA	67	60	63	64			0
12	SD-38-SS	WV5606-3RA	69	63	61	63			0
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									

ADVISORY QC LIMITS

S1 (TCX) = Tetrachloro-m-xylene (44-103)
S2 (DCB) = Decachlorobiphenyl (56-107)

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

FORM 4

PESTICIDE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG22135-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: MIDDLE RIVER SDG No.: MID-7

Lab Sample ID: WG22135-1 Lab File ID: 6VJ7077

Matrix (soil/water) SOIL Extraction:(SepF/Cont/Sonc) SW846 3550

Sulfur Cleanup: (Y/N) Y Date Extracted: 10/28/05

Date Analyzed (1): 10/30/05 Date Analyzed (2): 10/30/05

Time Analyzed (1): 1634 Time Analyzed (2): 1634

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	WG22135-LCS	WG22135-2	6VJ7078	10/30/05	10/30/05
02	SD-36-SS	WV5606-1RA	6VK1020	11/01/05	11/01/05
03					
04					
05					
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
Report of Analytical Results

Client:
Project: MIDDLE RIVER
PO No:
Sample Date:
Received Date:
Extraction Date: 10/28/05
Analysis Date: 30-OCT-2005 16:34
Report Date: 11/02/2005
Matrix: SOIL
% Solids: 100

Lab ID: WG22135-1
Client ID: WG22135-Blank
SDG: MID-7
Extracted by: GN
Extraction Method: SW846 3550
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG22135
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	17	1.0	17	17	7.5
11104-28-2	Aroclor-1221	U	17	1.0	17	17	9.0
11141-16-5	Aroclor-1232	U	17	1.0	17	17	5.3
53469-21-9	Aroclor-1242	U	17	1.0	17	17	6.7
12672-29-6	Aroclor-1248	U	17	1.0	17	17	5.7
11097-69-1	Aroclor-1254	U	17	1.0	17	17	13
11096-82-5	Aroclor-1260	U	17	1.0	17	17	4.2
877-09-8	Tetrachloro-m-xylene		*107%				
2051-24-3	Decachlorobiphenyl		102%				

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: MIDDLE RIVER
PO No:
Sample Date:
Received Date:
Extraction Date: 10/28/05
Analysis Date: 10/30/05
Report Date: 11/02/2005
Matrix: SOIL

Lab ID: WG22135-2
Client ID: WG22135-LCS
SDG: MID-7
Extracted by: GN
Extraction Method: SW846 3550
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG22135
Units: ug/Kg

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
Aroclor-1016	167	NA	166	100	56-116
Aroclor-1260	167	NA	185	111	59-118

FORM 4

PESTICIDE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG22175-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: MIDDLE RIVER SDG No.: MID-7

Lab Sample ID: WG22175-1 Lab File ID: 6VJ7074

Matrix (soil/water) SOIL Extraction:(SepF/Cont/Sonc) SW846 3540

Sulfur Cleanup: (Y/N) Y Date Extracted: 10/28/05

Date Analyzed (1): 10/30/05 Date Analyzed (2): 10/30/05

Time Analyzed (1): 1509 Time Analyzed (2): 1509

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	WG22175-LCS	WG22175-2	6VJ7075	10/30/05	10/30/05
02	WG22175-LCSD	WG22175-3	6VJ7076	10/30/05	10/30/05
03	SD-39-SS	WV5606-4	6VK1016	11/01/05	11/01/05
04	SD-40-SS	WV5606-5	6VK1017	11/01/05	11/01/05
05	SD-40-01	WV5606-6	6VK1018	11/01/05	11/01/05
06	SD-40-02	WV5606-7	6VK1019	11/01/05	11/01/05
07	SD-37-SS	WV5606-2RA	6VK1021	11/01/05	11/01/05
08	SD-38-SS	WV5606-3RA	6VK1022	11/01/05	11/01/05
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

COMMENTS: _____

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: MIDDLE RIVER
PO No:
Sample Date:
Received Date:
Extraction Date: 10/28/05
Analysis Date: 30-OCT-2005 15:09
Report Date: 11/02/2005
Matrix: SOIL
% Solids: 100

Lab ID: WG22175-1
Client ID: WG22175-Blank
SDG: MID-7
Extracted by: GN
Extraction Method: SW846 3540
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG22175
Units: ug/Kg

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	17	1.0	17	17	7.5
11104-28-2	Aroclor-1221	U	17	1.0	17	17	9.0
11141-16-5	Aroclor-1232	U	17	1.0	17	17	5.3
53469-21-9	Aroclor-1242	U	17	1.0	17	17	6.7
12672-29-6	Aroclor-1248	U	17	1.0	17	17	5.7
11097-69-1	Aroclor-1254	U	17	1.0	17	17	13
11096-82-5	Aroclor-1260	U	17	1.0	17	17	4.2
877-09-8	Tetrachloro-m-xylene		*110%				
2051-24-3	Decachlorobiphenyl		102%				

KATAHDIN ANALYTICAL SERVICES

LAB CONTROL SAMPLE

Client:
Project: MIDDLE RIVER
PO No:
Sample Date:
Received Date:
Extraction Date: 10/28/05
Analysis Date: 10/30/05
Report Date: 11/02/2005
Matrix: SOIL

Lab ID: WG22175-2 & WG22175-3
Client ID: WG22175-LCS & WG22175-LCSD
SDG: MID-7
Extracted by: GN
Extraction Method: SW846 3540
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG22175
Units: ug/Kg

COMPOUND	LCS SPIKE	LCSD SPIKE	SAMPLE CONC.	LCS CONC.	LCSD CONC.	LCS %REC.		LCSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
Aroclor-1016	167	167	NA	177	182	106		109	3	50	56-116
Aroclor-1260	167	167	NA	196	198	118	*	119	1	50	59-118

FORM III PEST-2

6VJ7075.d & 6VJ7076.d

FORM 6

SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project MIDDLE RIVER SDG No.: MID-7

Instrument ID: GC06 Calibration Date(s): 10/10/05 10/11/05

Column: RTX-5 ID: 0.53 (mm) Calibration Time(s): 2034 1140

LAB FILE ID: RF0.05: 6VJ1106 RF0.1: 6VJ1107 RF0.25: 6VJ1108
RF1: 6VJ1105 RF2.5: 6VJ1109 RF10: 6VJ1110

								COEFFICENTS			%RSD	MAX %RSD	
COMPOUND	RF0.05	RF0.1	RF0.25	RF1	RF2.5	RF10	CURVE	A0	A1	A2	OR R^2	OR R^2	
Aroclor-1016	1069	2081	5396	18023	40757	130140	2ORDR	-1.86e-002	5.435e-005	1.74e-010	0.99998	0.99000	
(2)	2672	5159	13376	44287	99125	318930	2ORDR	-2.26e-002	2.245e-005	2.815e-011	0.99996	0.99000	
(3)	1334	2588	6670	22202	50103	161280	2ORDR	-2.07e-002	4.45e-005	1.094e-010	0.99997	0.99000	
(4)	770	1522	4046	14347	34107	114810	2ORDR	-7.19e-003	6.766e-005	1.699e-010	0.99999	0.99000	
(5)	811	1578	4066	13037	28989	92624	2ORDR	-2.68e-002	7.642e-005	3.438e-010	0.99995	0.99000	
Aroclor-1221				3422			2ORDR	0.00000000	2.922e-004	0.00000000	1.00000	0.99000	<
(2)				8299			2ORDR	0.00000000	1.205e-004	0.00000000	1.00000	0.99000	<
(3)				6013			2ORDR	0.00000000	1.663e-004	0.00000000	1.00000	0.99000	<
(4)				19101			2ORDR	0.00000000	5.235e-005	0.00000000	1.00000	0.99000	<
Aroclor-1232	1226	3201	5248	15205	34204	106860	2ORDR	-5.61e-002	6.505e-005	2.721e-010	0.99989	0.99000	
(2)	586	1613	2747	8212	19202	62614	2ORDR	-4.5e-002	1.199e-004	6.47e-010	0.99991	0.99000	
(3)	1403	3785	6525	19637	45941	149720	2ORDR	-4.35e-002	5.008e-005	1.136e-010	0.99992	0.99000	
(4)	706	1941	3393	9964	23245	76392	2ORDR	-4.73e-002	9.959e-005	4.181e-010	0.99990	0.99000	
(5)	411	1146	2088	6285	15493	53699	2ORDR	-3.44e-002	1.548e-004	5.961e-010	0.99992	0.99000	
Aroclor-1242	1085	2102	4767	16588	36682	111790	2ORDR	-1.88e-002	5.787e-005	2.841e-010	0.99998	0.99000	
(2)	844	1693	3875	14216	32378	102590	2ORDR	-1.16e-002	6.796e-005	2.888e-010	0.99999	0.99000	
(3)	2058	4073	9385	34896	78491	250160	2ORDR	-1.3e-002	2.808e-005	4.777e-011	0.99999	0.99000	
(4)	1037	2079	4751	17648	39702	126820	2ORDR	-1.35e-002	5.563e-005	1.84e-010	0.99998	0.99000	
(5)	626	1235	2847	11387	26412	90883	2ORDR	-7.64e-003	8.802e-005	2.432e-010	0.99999	0.99000	
Aroclor-1248	1266	2604	5892	22384	47522	152470	2ORDR	-2.19e-002	4.602e-005	1.294e-010	0.99990	0.99000	
(2)	1229	2495	5745	22467	48536	159390	2ORDR	-1.78e-002	4.593e-005	1.062e-010	0.99992	0.99000	
(3)	1526	3007	6964	26766	57702	188730	2ORDR	-1.98e-002	3.855e-005	7.708e-011	0.99992	0.99000	
(4)	1662	3293	7568	29175	62897	205820	2ORDR	-1.98e-002	3.538e-005	6.466e-011	0.99992	0.99000	
(5)	1220	2442	5660	23196	52152	176630	2ORDR	-8.98e-003	4.386e-005	7.257e-011	0.99996	0.99000	
Aroclor-1254	2244	4153	9519	33359	73922	233910	2ORDR	-2.28e-002	2.97e-005	5.623e-011	0.99997	0.99000	
(2)	1278	2390	5674	21516	50901	165740	2ORDR	-3.64e-003	4.431e-005	9.684e-011	1.00000	0.99000	
(3)	2365	4433	10568	38454	87851	281160	2ORDR	-1.23e-002	2.526e-005	3.682e-011	0.99999	0.99000	
(4)	2136	4059	9411	34099	78106	251650	2ORDR	-1.4e-002	2.86e-005	4.449e-011	0.99999	0.99000	
(5)	1377	2647	6266	24188	56795	190240	2ORDR	-5.76e-003	4.039e-005	6.415e-011	1.00000	0.99000	
Aroclor-1260	1264	2374	6206	20526	46887	150500	2ORDR	-1.86e-002	4.756e-005	1.263e-010	0.99998	0.99000	
(2)	1165	2322	6152	21102	48855	161370	2ORDR	-1.38e-002	4.655e-005	9.61e-011	0.99998	0.99000	
(3)	2668	5160	13478	45775	105460	354220	2ORDR	-1.85e-002	2.182e-005	1.826e-011	0.99998	0.99000	
(4)	1310	2610	7082	24569	57916	193050	2ORDR	-9.12e-003	3.957e-005	6.362e-011	0.99999	0.99000	
(5)	583	1182	3319	11654	27698	93629	2ORDR	-6.11e-003	8.342e-005	2.504e-010	0.99999	0.99000	
Tetrachloro-m-xylene	430	1289	3721	13911	31340	122140	2ORDR	-2.91e-004	1.556e-006	6.869e-013	0.99988	0.99000	
Decachlorobiphenyl	515	1082	3026	10333	23947	79174	2ORDR	-2.23e-004	1.897e-006	7.979e-012	0.99998	0.99000	

FORM VI SV

Report Date: 11-Oct-2005 17:34

Calibration History

Method : \\Target_server\GG\chem\gc06.i\GC06VJ10A1.b\PCBA035A.M
Start Cal Date: 10-OCT-2005 20:34
End Cal Date : 11-OCT-2005 11:40
Last Cal Level: 4
Last Cal Type : Continuing Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.05000		
11-OCT-2005 09:47	AR1232	6VJ1106.d
11-OCT-2005 06:29	AR1254	6VJ1099.d
11-OCT-2005 03:39	AR1248	6VJ1093.d
11-OCT-2005 00:50	AR1242	6VJ1087.d
10-OCT-2005 21:03	ar1660	6VJ1079.d
Cal Level: 2 , Cal Amount: 0.10000		
11-OCT-2005 10:16	AR1232	6VJ1107.d
11-OCT-2005 06:58	AR1254	6VJ1100.d
11-OCT-2005 04:08	AR1248	6VJ1094.d
11-OCT-2005 01:18	AR1242	6VJ1088.d
10-OCT-2005 21:31	ar1660	6VJ1080.d
Cal Level: 3 , Cal Amount: 0.25000		
11-OCT-2005 10:44	AR1232	6VJ1108.d
11-OCT-2005 07:26	AR1254	6VJ1101.d
11-OCT-2005 04:36	AR1248	6VJ1095.d
11-OCT-2005 01:46	AR1242	6VJ1089.d
10-OCT-2005 21:59	ar1660	6VJ1081.d
Cal Level: 4 , Cal Amount: 1.00000		
11-OCT-2005 09:19	AR1232	6VJ1105.d
11-OCT-2005 08:51	AR1221	6VJ1104.d
11-OCT-2005 06:01	AR1254	6VJ1098.d
11-OCT-2005 03:11	AR1248	6VJ1092.d
11-OCT-2005 00:21	AR1242	6VJ1086.d
10-OCT-2005 20:34	ar1660	6VJ1078.d
Cal Level: 5 , Cal Amount: 2.50000		
11-OCT-2005 11:12	AR1232	6VJ1109.d
11-OCT-2005 07:54	AR1254	6VJ1102.d
11-OCT-2005 05:05	AR1248	6VJ1096.d
11-OCT-2005 02:15	AR1242	6VJ1090.d
10-OCT-2005 22:28	ar1660	6VJ1082.d

Cal Level: 6 , Cal Amount: 10.00000		
11-OCT-2005 11:40	AR1232	6VJ1110.d
11-OCT-2005 08:23	AR1254	6VJ1103.d
11-OCT-2005 05:33	AR1248	6VJ1097.d
11-OCT-2005 02:43	AR1242	6VJ1091.d
10-OCT-2005 22:56	ar1660	6VJ1083.d

Continuing Calibration
Ccal Level Mode: BY SAMPLE

11-OCT-2005 09:19	AR1232	6VJ1105.d
10-OCT-2005 23:53	AR1260	6VJ1085.d
10-OCT-2005 23:25	AR1016	6VJ1084.d
11-OCT-2005 08:51	AR1221	6VJ1104.d
11-OCT-2005 06:01	AR1254	6VJ1098.d
11-OCT-2005 03:11	AR1248	6VJ1092.d
11-OCT-2005 00:21	AR1242	6VJ1086.d
10-OCT-2005 20:34	ar1660	6VJ1078.d

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project MIDDLE RIVER SDG No.: MID-7

Instrument ID: GC06 Calibration Date(s): 10/10/05 10/11/05

Column: RTX-35 ID: 0.53 (mm) Calibration Time(s): 2034 1140

LAB FILE ID: RF0.05: 6VJ2106 RF0.1: 6VJ2107 RF0.25: 6VJ2108
RF1: 6VJ2105 RF2.5: 6VJ2109 RF10: 6VJ2110

COMPOUND	RF0.05	RF0.1	RF0.25	RF1	RF2.5	RF10	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2	
Aroclor-1016	5000	9466	23604	69798	149910	436980	2ORDR	-3.18e-002	1.351e-005	2.162e-011	0.99994	0.99000	
(2)	1921	3693	9896	29745	66039	194490	2ORDR	-2.14e-002	3.114e-005	1.049e-010	0.99996	0.99000	
(3)	8454	16093	39673	122240	266670	814930	2ORDR	-3.19e-002	7.997e-006	5.295e-012	0.99995	0.99000	
(4)	3355	6368	16451	50037	110430	335430	2ORDR	-2.79e-002	1.922e-005	3.183e-011	0.99995	0.99000	
(5)	2405	4626	12374	39115	89105	276720	2ORDR	-1.86e-002	2.438e-005	4.276e-011	0.99997	0.99000	
Aroclor-1221				25196			2ORDR	0.00000000	3.969e-005	0.00000000	1.00000	0.99000	<
(2)				17571			2ORDR	0.00000000	5.691e-005	0.00000000	1.00000	0.99000	<
(3)				49180			2ORDR	0.00000000	2.033e-005	0.00000000	1.00000	0.99000	<
(4)				13594			2ORDR	0.00000000	7.356e-005	0.00000000	1.00000	0.99000	<
Aroclor-1232	3544	9235	14360	40418	87611	255800	2ORDR	-6.1e-002	2.369e-005	6.117e-011	0.99987	0.99000	
(2)	3193	7887	13083	36480	78877	233770	2ORDR	-6.22e-002	2.67e-005	6.993e-011	0.99987	0.99000	
(3)	1349	3035	5198	15020	33278	100300	2ORDR	-5.44e-002	6.458e-005	3.556e-010	0.99991	0.99000	
(4)	2070	5093	8498	24655	54563	168740	2ORDR	-5.81e-002	4.031e-005	1.144e-010	0.99989	0.99000	
(5)	1584	3943	6585	18823	41338	125060	2ORDR	-5.8e-002	5.209e-005	2.267e-010	0.99989	0.99000	
Aroclor-1242	3983	10209	17055	59246	122940	358910	2ORDR	-3.57e-002	1.638e-005	3.227e-011	0.99992	0.99000	
(2)	6765	14984	28578	100020	215940	652830	2ORDR	-2.81e-002	9.746e-006	8.604e-012	0.99996	0.99000	
(3)	2741	7258	11683	42336	89727	270580	2ORDR	-3.34e-002	2.334e-005	5.082e-011	0.99992	0.99000	
(4)	2326	6354	9921	35448	74039	221550	2ORDR	-3.8e-002	2.801e-005	7.813e-011	0.99990	0.99000	
(5)	2659	6756	11465	41532	89057	271980	2ORDR	-3.08e-002	2.384e-005	4.797e-011	0.99994	0.99000	
Aroclor-1248	4025	7548	16719	59250	120640	364050	2ORDR	-3.17e-002	1.708e-005	2.88e-011	0.99987	0.99000	
(2)	2872	5166	11892	44020	92094	284190	2ORDR	-2.4e-002	2.295e-005	4.339e-011	0.99991	0.99000	
(3)	4640	8480	19155	69056	144230	448740	2ORDR	-2.9e-002	1.479e-005	1.685e-011	0.99989	0.99000	
(4)	3939	7350	16822	62005	130050	406510	2ORDR	-2.53e-002	1.645e-005	2.021e-011	0.99990	0.99000	
(5)	4344	8189	18491	62908	147240	462990	2ORDR	-1.52e-002	1.5e-005	1.431e-011	0.99999	0.99000	
Aroclor-1254	1565	3014	7152	24791	54258	167220	2ORDR	-2.05e-002	3.94e-005	1.228e-010	0.99997	0.99000	
(2)	1818	3547	8223	28432	62594	194200	2ORDR	-2.15e-002	3.443e-005	8.845e-011	0.99997	0.99000	
(3)	3537	6590	15090	52806	117330	370510	2ORDR	-2.21e-002	1.869e-005	2.257e-011	0.99998	0.99000	
(4)	6657	12373	27776	95203	209050	650640	2ORDR	-2.59e-002	1.036e-005	7.764e-012	0.99997	0.99000	
(5)	6222	11782	26099	89616	196540	611610	2ORDR	-2.63e-002	1.102e-005	8.797e-012	0.99997	0.99000	
Aroclor-1260	4986	9467	23793	75140	168460	535210	2ORDR	-2.79e-002	1.314e-005	1.046e-011	0.99996	0.99000	
(2)	3787	7269	18373	58452	132020	421000	2ORDR	-2.56e-002	1.683e-005	1.661e-011	0.99996	0.99000	
(3)	7436	14126	35264	113550	257180	843760	2ORDR	-2.78e-002	8.826e-006	3.627e-012	0.99996	0.99000	
(4)	4171	8014	20428	66302	150020	493210	2ORDR	-2.61e-002	1.513e-005	1.055e-011	0.99996	0.99000	
(5)	1730	3345	8803	28828	65572	218880	2ORDR	-2.4e-002	3.494e-005	4.96e-011	0.99996	0.99000	
Tetrachloro-m-xylene	5104	5865	14209	46272	105060	337130	2ORDR	-7.31e-004	4.291e-007	4.936e-013	0.99996	0.99000	
Decachlorobiphenyl	1425	2806	7297	23421	52555	166980	2ORDR	-4.72e-004	8.402e-007	2.159e-012	0.99996	0.99000	

FORM VI SV

Report Date: 11-Oct-2005 17:33

Calibration History

Method : \\Target_server\GC\chem\gc06.i\GC06VJ10B1.B\PCBB035A.M
Start Cal Date: 10-OCT-2005 20:34
End Cal Date : 11-OCT-2005 11:40
Last Cal Level: 6
Last Cal Type : Initial Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.05000		
11-OCT-2005 09:47	AR1232	6VJ2106.d
11-OCT-2005 06:29	AR1254	6VJ2099.d
11-OCT-2005 03:39	AR1248	6VJ2093.d
11-OCT-2005 00:50	AR1242	6VJ2087.d
10-OCT-2005 21:03	ar1660	6VJ2079.d
Cal Level: 2 , Cal Amount: 0.10000		
11-OCT-2005 10:16	AR1232	6VJ2107.d
11-OCT-2005 06:58	AR1254	6VJ2100.d
11-OCT-2005 04:08	AR1248	6VJ2094.d
11-OCT-2005 01:18	AR1242	6VJ2088.d
10-OCT-2005 21:31	ar1660	6VJ2080.d
Cal Level: 3 , Cal Amount: 0.25000		
11-OCT-2005 10:44	AR1232	6VJ2108.d
11-OCT-2005 07:26	AR1254	6VJ2101.d
11-OCT-2005 04:36	AR1248	6VJ2095.d
11-OCT-2005 01:46	AR1242	6VJ2089.d
10-OCT-2005 21:59	ar1660	6VJ2081.d
Cal Level: 4 , Cal Amount: 1.00000		
11-OCT-2005 09:19	AR1232	6VJ2105.d
11-OCT-2005 08:51	AR1221	6VJ2104.d
11-OCT-2005 06:01	AR1254	6VJ2098.d
11-OCT-2005 03:11	AR1248	6VJ2092.d
11-OCT-2005 00:21	AR1242	6VJ2086.d
10-OCT-2005 20:34	ar1660	6VJ2078.d
Cal Level: 5 , Cal Amount: 2.50000		
11-OCT-2005 11:12	AR1232	6VJ2109.d
11-OCT-2005 07:54	AR1254	6VJ2102.d
11-OCT-2005 05:05	AR1248	6VJ2096.d
11-OCT-2005 02:15	AR1242	6VJ2090.d
10-OCT-2005 22:28	ar1660	6VJ2082.d

Cal Level: 6 , Cal Amount: 10.00000		
11-OCT-2005 11:40	AR1232	6VJ2110.RAW
11-OCT-2005 08:23	AR1254	6VJ2103.RAW
11-OCT-2005 05:33	AR1248	6VJ2097.RAW
11-OCT-2005 02:43	AR1242	6VJ2091.RAW
10-OCT-2005 22:56	ar1660	6VJ2083.RAW

Continuing Calibration
Ccal Level Mode: BY SAMPLE

11-OCT-2005 09:19	AR1232	6VJ2105.d
11-OCT-2005 08:51	AR1221	6VJ2104.d
11-OCT-2005 06:01	AR1254	6VJ2098.d
11-OCT-2005 03:11	AR1248	6VJ2092.d
11-OCT-2005 00:21	AR1242	6VJ2086.d
10-OCT-2005 23:53	AR1260	6VJ2085.d
10-OCT-2005 23:25	AR1016	6VJ2084.d
10-OCT-2005 20:34	ar1660	6VJ2078.d

FORM 7B

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: MIDDLE RIVER SDG No.: MID-7

Instrument ID: GC06 Calibration Date: 10/10/05 Time: 2325

Lab File ID: 6VJ1084 Init. Calib. Date(s): 10/10/05 10/11/05

Init. Calib. Times: 2034 1140

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Aroclor-1016	1.1027000	1.0000000	19423.000	0.01	10.27	15.00	2RDR
(2)	1.1112000	1.0000000	47648.000	0.01	11.12	15.00	2RDR
(3)	1.1090000	1.0000000	23976.000	0.01	10.90	15.00	2RDR
(4)	1.1021000	1.0000000	15771.000	0.01	10.21	15.00	2RDR
(5)	1.0818000	1.0000000	13666.000	0.01	8.18	15.00	2RDR
Average %D: 10.140							

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: MIDDLE RIVER SDG No.: MID-7

Instrument ID: GC06 Calibration Date: 10/10/05 Time: 2325

Lab File ID: 6VJ2084 Init. Calib. Date(s): 10/10/05 10/11/05

Init. Calib. Times: 2034 1140

GC Column: RTX-35 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Aroclor-1016	1.1367000	1.0000000	76994.000	0.01	13.67	15.00	2RDR
(2)	1.1490000	1.0000000	33757.000	0.01	14.90	15.00	2RDR
(3)	1.1240000	1.0000000	132860.00	0.01	12.40	15.00	2RDR
(4)	1.1325000	1.0000000	55303.000	0.01	13.25	15.00	2RDR
(5)	1.1298000	1.0000000	43760.000	0.01	12.98	15.00	2RDR
Average %D: 13.440							

FORM 7B

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: MIDDLE RIVER SDG No.: MID-7

Instrument ID: GC06 Calibration Date: 10/10/05 Time: 2353

Lab File ID: 6VJ1085 Init. Calib. Date(s): 10/10/05 10/11/05

Init. Calib. Times: 2034 1140

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Aroclor-1260	1.0812000	1.0000000	21857.000	0.01	8.12	15.00	2RDR
(2)	1.1024000	1.0000000	22895.000	0.01	10.24	15.00	2RDR
(3)	1.0990000	1.0000000	49191.000	0.01	9.90	15.00	2RDR
(4)	1.0827000	1.0000000	26468.000	0.01	8.27	15.00	2RDR
(5)	1.0860000	1.0000000	12614.000	0.01	8.60	15.00	2RDR
Average %D: 9.0300							

FORM 7B

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: MIDDLE RIVER SDG No.: MID-7

Instrument ID: GC06 Calibration Date: 10/10/05 Time: 2353

Lab File ID: 6VJ2085 Init. Calib. Date(s): 10/10/05 10/11/05

Init. Calib. Times: 2034 1140

GC Column: RTX-35 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Aroclor-1260	1.0961000	1.0000000	80408.000	0.01	9.61	15.00	2RDR
(2)	1.0978000	1.0000000	62873.000	0.01	9.78	15.00	2RDR
(3)	1.0946000	1.0000000	121150.00	0.01	9.46	15.00	2RDR
(4)	1.1043000	1.0000000	71189.000	0.01	10.43	15.00	2RDR
(5)	1.1209000	1.0000000	31366.000	0.01	12.09	15.00	2RDR
Average %D: 10.270							

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: MIDDLE RIVER SDG No.: MID-7

Instrument ID: GC06 Calibration Date: 10/30/05 Time: 1309

Lab File ID: 6VJ7070 Init. Calib. Date(s): 10/10/05 10/10/05

Init. Calib. Times: 2034 2256

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Aroclor-1016	0.9731800	1.0000000	17291.000	0.01	-2.68	15.00	2RDR
(2)	0.9667700	1.0000000	41865.000	0.01	-3.32	15.00	2RDR
(3)	0.9856600	1.0000000	21482.000	0.01	-1.43	15.00	2RDR
(4)	0.9704900	1.0000000	13961.000	0.01	-2.95	15.00	2RDR
(5)	1.0277000	1.0000000	13034.000	0.01	2.77	15.00	2RDR
Average %D: -1.520							
Aroclor-1260	0.9717600	1.0000000	19785.000	0.01	-2.82	15.00	2RDR
(2)	0.9665800	1.0000000	20215.000	0.01	-3.34	15.00	2RDR
(3)	0.9691900	1.0000000	43670.000	0.01	-3.08	15.00	2RDR
(4)	0.9741600	1.0000000	23931.000	0.01	-2.58	15.00	2RDR
(5)	1.0074000	1.0000000	11735.000	0.01	0.74	15.00	2RDR
Average %D: -2.220							
Tetrachloro-m-xylene	2.25e-002	2.e-002	728600.00	0.01	12.50	15.00	2RDR
Decachlorobiphenyl	2.16e-002	2.e-002	548950.00	0.01	8.00	15.00	2RDR

FORM 7B

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: MIDDLE RIVER SDG No.: MID-7

Instrument ID: GC06 Calibration Date: 10/30/05 Time: 1309

Lab File ID: 6VJ8070 Init. Calib. Date(s): 10/10/05 10/10/05

Init. Calib. Times: 2034 2256

GC Column: RTX-35 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Aroclor-1016	1.0013000	1.0000000	68864.000	0.01	0.13	15.00	2RDR
(2)	1.0157000	1.0000000	30231.000	0.01	1.57	15.00	2RDR
(3)	1.0041000	1.0000000	120010.00	0.01	0.41	15.00	2RDR
(4)	1.0297000	1.0000000	50752.000	0.01	2.97	15.00	2RDR
(5)	1.0143000	1.0000000	39623.000	0.01	1.43	15.00	2RDR
Average %D: 1.3000							
Aroclor-1260	1.0381000	1.0000000	76476.000	0.01	3.81	15.00	2RDR
(2)	1.0606000	1.0000000	60902.000	0.01	6.06	15.00	2RDR
(3)	1.0594000	1.0000000	117510.00	0.01	5.94	15.00	2RDR
(4)	1.0420000	1.0000000	67428.000	0.01	4.20	15.00	2RDR
(5)	1.0642000	1.0000000	29875.000	0.01	6.42	15.00	2RDR
Average %D: 5.2900							
Tetrachloro-m-xylene	2.06e-002	2.e-002	2356200.0	0.01	3.00	15.00	2RDR
Decachlorobiphenyl	2.2e-002	2.e-002	1258800.0	0.01	10.00	15.00	2RDR

FORM VII PEST

FORM 8
SEMIVOLATILE ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: .

Project: MIDDLE RIVER SDG No.: MID-7

GC Column: RTX-5 ID: 0.53 (mm) Init. Calib. Date(s): 10/10/05 10/11/05

Instrument ID: GC06

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 6.06 DCB: 19.29

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01		AR1660 1.0PP	10/10/05	2034	6.06	19.29
02		AR1660 0.05P	10/10/05	2103	6.05	19.30
03		AR1660 0.1PP	10/10/05	2131	6.06	19.30
04		AR1660 0.25P	10/10/05	2159	6.06	19.29
05		AR1660 2.5PP	10/10/05	2228	6.06	19.29
06		AR1660 10PPM	10/10/05	2256	6.06	19.29
07		AR1016 1.0PP	10/10/05	2325		
08		AR1260 1.0PP	10/10/05	2353		
09		AR1242 1.0PP	10/11/05	0021		
10		AR1248 1.0PP	10/11/05	0311		
11		AR1254 1.0PP	10/11/05	0601		
12		AR1221 1.0PP	10/11/05	0851		
13		AR1232 1.0PP	10/11/05	0919		
14						
15						
16						
17						
18						
19						
20						

QC LIMITS

TCX = Tetrachloro-m-xylene (+/- 0.07 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: MIDDLE RIVER SDG No.: MID-7

GC Column: RTX-35 ID: 0.53 (mm) Init. Calib. Date(s): 10/10/05 10/11/05

Instrument ID: GC06

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 4.84 DCB: 18.20

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01		AR1660 1.0PP	10/10/05	2034	4.84	18.20
02		AR1660 0.05P	10/10/05	2103	4.84	18.20
03		AR1660 0.1PP	10/10/05	2131	4.84	18.20
04		AR1660 0.25P	10/10/05	2159	4.84	18.20
05		AR1660 2.5PP	10/10/05	2228	4.84	18.20
06		AR1660 10PPM	10/10/05	2256	4.84	18.20
07		AR1016 1.0PP	10/10/05	2325		
08		AR1260 1.0PP	10/10/05	2353		
09		AR1242 1.0PP	10/11/05	0021		
10		AR1248 1.0PP	10/11/05	0311		
11		AR1254 1.0PP	10/11/05	0601		
12		AR1221 1.0PP	10/11/05	0851		
13		AR1232 1.0PP	10/11/05	0919		
14						
15						
16						
17						
18						
19						
20						

QC LIMITS

TCX = Tetrachloro-m-xylene (+/- 0.07 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM 7B

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: MIDDLE RIVER SDG No.: MID-7

Instrument ID: GC06 Calibration Date: 10/31/05 Time: 0229

Lab File ID: 6VJ7098 Init. Calib. Date(s): 10/10/05 10/10/05

Init. Calib. Times: 2034 2256

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF0.2500 or AMOUNT	CCAL RRF0.2500	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Aroclor-1016	0.3051000	0.2500000	23388.000	0.01	22.04	15.00	2RDR	<-
(2)	0.2992800	0.2500000	56340.000	0.01	19.71	15.00	2RDR	<-
(3)	0.3100600	0.2500000	29208.000	0.01	24.02	15.00	2RDR	<-
(4)	0.2979400	0.2500000	17840.000	0.01	19.18	15.00	2RDR	<-
(5)	0.3297200	0.2500000	18284.000	0.01	31.89	15.00	2RDR	<-
Average %D: 23.360								
Aroclor-1260	0.2992800	0.2500000	26280.000	0.01	19.71	15.00	2RDR	<-
(2)	0.2914600	0.2500000	25880.000	0.01	16.58	15.00	2RDR	<-
(3)	0.2966600	0.2500000	57092.000	0.01	18.66	15.00	2RDR	<-
(4)	0.2886400	0.2500000	29748.000	0.01	15.46	15.00	2RDR	<-
(5)	0.2867300	0.2500000	13896.000	0.01	14.69	15.00	2RDR	
Average %D: 17.040								
Tetrachloro-m-xylene	6.15e-003	5.e-003	826800.00	0.01	23.00	15.00	2RDR	<-
Decachlorobiphenyl	5.99e-003	5.e-003	646000.00	0.01	19.80	15.00	2RDR	<-

FORM VII PEST

FORM 7B

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: MIDDLE RIVER SDG No.: MID-7

Instrument ID: GC06 Calibration Date: 10/31/05 Time: 0229

Lab File ID: 6VJ8098 Init. Calib. Date(s): 10/10/05 10/10/05

Init. Calib. Times: 2034 2256

GC Column: RTX-35 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF0.2500 or AMOUNT	CCAL RRF0.2500	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Aroclor-1016	0.3224300	0.2500000	100800.00	0.01	28.97	15.00	2RDR	<-
(2)	0.3195000	0.2500000	42288.000	0.01	27.80	15.00	2RDR	<-
(3)	0.3252100	0.2500000	173620.00	0.01	30.08	15.00	2RDR	<-
(4)	0.3325400	0.2500000	72808.000	0.01	33.02	15.00	2RDR	<-
(5)	0.3196400	0.2500000	54220.000	0.01	27.86	15.00	2RDR	<-
Average %D: 29.560								
Aroclor-1260	0.3189300	0.2500000	103470.00	0.01	27.57	15.00	2RDR	<-
(2)	0.3244000	0.2500000	81576.000	0.01	29.76	15.00	2RDR	<-
(3)	0.3241700	0.2500000	156990.00	0.01	29.67	15.00	2RDR	<-
(4)	0.3165000	0.2500000	89184.000	0.01	26.60	15.00	2RDR	<-
(5)	0.3057000	0.2500000	37248.000	0.01	22.28	15.00	2RDR	<-
Average %D: 27.160								
Tetrachloro-m-xylene	5.56e-003	5.e-003	2883600.0	0.01	11.20	15.00	2RDR	<-
Decachlorobiphenyl	6.18e-003	5.e-003	1553400.0	0.01	23.60	15.00	2RDR	<-

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: MIDDLE RIVER SDG No.: MID-7

Instrument ID: GC06 Calibration Date: 11/01/05 Time: 1054

Lab File ID: 6VK1002 Init. Calib. Date(s): 10/10/05 10/10/05

Init. Calib. Times: 2034 2256

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Aroclor-1016	0.9873700	1.0000000	17526.000	0.01	-1.26	15.00	2RDR	
(2)	0.9794300	1.0000000	42375.000	0.01	-2.06	15.00	2RDR	
(3)	1.0013000	1.0000000	21799.000	0.01	0.13	15.00	2RDR	
(4)	0.9707800	1.0000000	13965.000	0.01	-2.92	15.00	2RDR	
(5)	1.0165000	1.0000000	12903.000	0.01	1.65	15.00	2RDR	
Average %D: -0.890								
Aroclor-1260	0.9158300	1.0000000	18718.000	0.01	-8.42	15.00	2RDR	
(2)	0.8948000	1.0000000	18788.000	0.01	-10.52	15.00	2RDR	
(3)	0.9202000	1.0000000	41574.000	0.01	-7.98	15.00	2RDR	
(4)	0.9032200	1.0000000	22262.000	0.01	-9.68	15.00	2RDR	
(5)	0.9066000	1.0000000	10603.000	0.01	-9.34	15.00	2RDR	
Average %D: -9.190								
Tetrachloro-m-xylene	2.33e-002	2.e-002	751750.00	0.01	16.50	15.00	2RDR	<-
Decachlorobiphenyl	1.87e-002	2.e-002	479900.00	0.01	-6.50	15.00	2RDR	

FORM 7B

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: MIDDLE RIVER SDG No.: MID-7

Instrument ID: GC06 Calibration Date: 11/01/05 Time: 1054

Lab File ID: 6VK2002 Init. Calib. Date(s): 10/10/05 10/10/05

Init. Calib. Times: 2034 2256

GC Column: RTX-35 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Aroclor-1016	1.0606000	1.0000000	72446.000	0.01	6.06	15.00	2RDR
(2)	1.0736000	1.0000000	31767.000	0.01	7.36	15.00	2RDR
(3)	1.0788000	1.0000000	128030.00	0.01	7.88	15.00	2RDR
(4)	1.0686000	1.0000000	52482.000	0.01	6.86	15.00	2RDR
(5)	1.0756000	1.0000000	41822.000	0.01	7.56	15.00	2RDR
Average %D: 7.1500							
Aroclor-1260	1.0284000	1.0000000	75817.000	0.01	2.84	15.00	2RDR
(2)	1.0109000	1.0000000	58255.000	0.01	1.09	15.00	2RDR
(3)	1.0082000	1.0000000	112210.00	0.01	0.82	15.00	2RDR
(4)	0.9748700	1.0000000	63360.000	0.01	-2.51	15.00	2RDR
(5)	0.9479500	1.0000000	26795.000	0.01	-5.20	15.00	2RDR
Average %D: -0.590							
Tetrachloro-m-xylene	2.19e-002	2.e-002	2496800.0	0.01	9.50	15.00	2RDR
Decachlorobiphenyl	1.91e-002	2.e-002	1100200.0	0.01	-4.50	15.00	2RDR

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: MIDDLE RIVER SDG No.: MID-7

Instrument ID: GC06 Calibration Date: 11/01/05 Time: 2245

Lab File ID: 6VK1026 Init. Calib. Date(s): 10/10/05 10/10/05

Init. Calib. Times: 2034 2256

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF0.2500 or AMOUNT	CCAL RRF0.2500	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Aroclor-1016	0.2601600	0.2500000	20192.000	0.01	4.06	15.00	2RDR	
(2)	0.2536800	0.2500000	48476.000	0.01	1.47	15.00	2RDR	
(3)	0.2633000	0.2500000	25140.000	0.01	5.32	15.00	2RDR	
(4)	0.2531100	0.2500000	15244.000	0.01	1.24	15.00	2RDR	
(5)	0.2787000	0.2500000	15712.000	0.01	11.48	15.00	2RDR	
Average %D: 4.7200								
Aroclor-1260	0.2590100	0.2500000	23000.000	0.01	3.60	15.00	2RDR	
(2)	0.2548500	0.2500000	22812.000	0.01	1.94	15.00	2RDR	
(3)	0.2561200	0.2500000	49824.000	0.01	2.45	15.00	2RDR	
(4)	0.2440000	0.2500000	25332.000	0.01	-2.40	15.00	2RDR	
(5)	0.2504100	0.2500000	12188.000	0.01	0.16	15.00	2RDR	
Average %D: 1.1600								
Tetrachloro-m-xylene	5.52e-003	5.e-003	745200.00	0.01	10.40	15.00	2RDR	<-
Decachlorobiphenyl	5.36e-003	5.e-003	581600.00	0.01	7.20	15.00	2RDR	<-

FORM 7B

PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: MIDDLE RIVER SDG No.: MID-7

Instrument ID: GC06 Calibration Date: 11/01/05 Time: 2245

Lab File ID: 6VK2026 Init. Calib. Date(s): 10/10/05 10/10/05

Init. Calib. Times: 2034 2256

GC Column: RTX-35 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF0.2500 or AMOUNT	CCAL RRF0.2500	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Aroclor-1016	0.2767800	0.2500000	88232.000	0.01	10.71	15.00	2RDR	
(2)	0.2783700	0.2500000	37336.000	0.01	11.35	15.00	2RDR	
(3)	0.2823300	0.2500000	153270.00	0.01	12.93	15.00	2RDR	
(4)	0.2874600	0.2500000	63932.000	0.01	14.98	15.00	2RDR	
(5)	0.2741700	0.2500000	47076.000	0.01	9.67	15.00	2RDR	
Average %D: 11.920								
Aroclor-1260	0.2889900	0.2500000	94700.000	0.01	15.60	15.00	2RDR	<-
(2)	0.2908900	0.2500000	73904.000	0.01	16.36	15.00	2RDR	<-
(3)	0.2912500	0.2500000	142520.00	0.01	16.50	15.00	2RDR	<-
(4)	0.2829700	0.2500000	80576.000	0.01	13.19	15.00	2RDR	
(5)	0.2753200	0.2500000	33856.000	0.01	10.13	15.00	2RDR	
Average %D: 14.360								
Tetrachloro-m-xylene	4.99e-003	5.e-003	2629200.0	0.01	-0.20	15.00	2RDR	<-
Decachlorobiphenyl	5.73e-003	5.e-003	1448200.0	0.01	14.60	15.00	2RDR	<-

FORM 8

SEMIVOLATILE ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: MIDDLE RIVER SDG No.: MID-7

GC Column: RTX-5 ID: 0.53 (mm) Init. Calib. Date(s): 10/10/05 10/11/05

Instrument ID: GC06

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 6.52 DCB: 19.81

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01		AR1660 1.0PP	10/30/05	1309	6.53	19.82
02	WG22175-BLAN	WG22175-1	10/30/05	1509	6.53	19.82
03	WG22175-LCS	WG22175-2	10/30/05	1537	6.52	19.81
04	WG22175-LCSD	WG22175-3	10/30/05	1605	6.52	19.81
05	WG22135-BLAN	WG22135-1	10/30/05	1634	6.53	19.82
06	WG22135-LCS	WG22135-2	10/30/05	1702	6.53	19.81
07		AR1660 0.25P	10/31/05	0229	6.52	19.81
08		AR1660 1.0PP	11/01/05	1054	6.54	19.83
09	SD-39-SS	WV5606-4	11/01/05	1803	6.53	19.82
10	SD-40-SS	WV5606-5	11/01/05	1831	6.52	19.82
11	SD-40-01	WV5606-6	11/01/05	1859	6.53	19.82
12	SD-40-02	WV5606-7	11/01/05	1927	6.52	19.81
13	SD-36-SS	WV5606-1RA	11/01/05	1956	6.53	19.81
14	SD-37-SS	WV5606-2RA	11/01/05	2024	6.53	19.81
15	SD-38-SS	WV5606-3RA	11/01/05	2052	6.53	19.81
16		AR1660 0.25P	11/01/05	2245	6.53	19.82
17						
18						
19						
20						

QC LIMITS

TCX = Tetrachloro-m-xylene (+/- 0.07 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM 8

SEMIVOLATILE ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: MIDDLE RIVER SDG No.: MID-7

GC Column: RTX-35 ID: 0.53 (mm) Init. Calib. Date(s): 10/10/05 10/11/05

Instrument ID: GC06

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 5.21 DCB: 18.63

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01		AR1660 1.0PP	10/30/05	1309	5.21	18.64
02	WG22175-BLAN	WG22175-1	10/30/05	1509	5.20	18.63
03	WG22175-LCS	WG22175-2	10/30/05	1537	5.21	18.63
04	WG22175-LCSD	WG22175-3	10/30/05	1605	5.21	18.63
05	WG22135-BLAN	WG22135-1	10/30/05	1634	5.21	18.63
06	WG22135-LCS	WG22135-2	10/30/05	1702	5.21	18.63
07		AR1660 0.25P	10/31/05	0229	5.21	18.63
08		AR1660 1.0PP	11/01/05	1054	5.20	18.64
09	SD-39-SS	WV5606-4	11/01/05	1803	5.21	18.63
10	SD-40-SS	WV5606-5	11/01/05	1831	5.21	18.63
11	SD-40-01	WV5606-6	11/01/05	1859	5.21	18.63
12	SD-40-02	WV5606-7	11/01/05	1927	5.21	18.63
13	SD-36-SS	WV5606-1RA	11/01/05	1956	5.21	18.63
14	SD-37-SS	WV5606-2RA	11/01/05	2024	5.21	18.63
15	SD-38-SS	WV5606-3RA	11/01/05	2052	5.21	18.63
16		AR1660 0.25P	11/01/05	2245	5.21	18.63
17						
18						
19						
20						

QC LIMITS

TCX = Tetrachloro-m-xylene (+/- 0.07 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM 10

PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID

SD-36-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: MIDDLE RIVER

Lab Code: PO No.: SDG No.: MID-7

Lab Sample ID: WV5606-1RA Date(s) Analyzed: 11/01/05 11/01/05

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)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.26	15.19	15.33	454		
Aroclor-1260	2	15.78	15.71	15.85	297		
	3	16.37	16.30	16.44	431		
COLUMN 1	4	17.03	16.96	17.10	383		
	5	18.38	18.31	18.45	598	433	
	1	13.91	13.84	13.98	287		
	2	14.79	14.71	14.85	400		
	3	15.20	15.13	15.27	393		
COLUMN 2	4	16.12	16.05	16.19	422		
	5	17.25	17.18	17.32	513	403	6.9
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10

PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID

SD-37-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: MIDDLE RIVER

Lab Code: PO No.: SDG No.: MID-7

Lab Sample ID: WV5606-2RA Date(s) Analyzed: 11/01/05 11/01/05

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)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.25	15.19	15.33	317		
Aroclor-1260	2	15.79	15.71	15.85	167		
	3	16.37	16.30	16.44	248		
COLUMN 1	4	17.03	16.96	17.10	211		
	5					236	
	1	13.91	13.84	13.98	177		
	2	14.79	14.71	14.85	277		
	3	15.20	15.13	15.27	243		
COLUMN 2	4	16.12	16.05	16.19	266		
	5					241	2.1
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10

PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID

SD-38-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: MIDDLE RIVER

Lab Code: PO No.: SDG No.: MID-7

Lab Sample ID: WV5606-3RA Date(s) Analyzed: 11/01/05 11/01/05

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)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.26	15.19	15.33	279		
Aroclor-1260	2	15.79	15.71	15.85	142		
	3	16.37	16.30	16.44	202		
COLUMN 1	4	17.03	16.96	17.10	168		
	5	18.37	18.31	18.45	270	212	
	1	13.91	13.84	13.98	151		
	2	14.79	14.71	14.85	234		
	3	15.21	15.13	15.27	184		
COLUMN 2	4	16.11	16.05	16.19	203		
	5					193	9.0
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM IO

PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID

SD-39-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: MIDDLE RIVER

Lab Code: PO No.: SDG No.: MID-7

Lab Sample ID: WV5606-4 Date(s) Analyzed: 11/01/05 11/01/05

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)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.26	15.19	15.33	234		
Aroclor-1260	2	15.79	15.71	15.85	130		
	3	16.37	16.30	16.44	193		
COLUMN 1	4	17.03	16.96	17.10	161		
	5	18.38	18.31	18.45	200	184	
	1	13.91	13.84	13.98	159		
	2	14.79	14.71	14.85	224		
	3	15.20	15.13	15.27	176		
COLUMN 2	4	16.12	16.05	16.19	191		
	5					188	2.1
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10

PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID

SD-40-SS

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: MIDDLE RIVER

Lab Code: PO No.: SDG No.: MID-7

Lab Sample ID: WV5606-5 Date(s) Analyzed: 11/01/05 11/01/05

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)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.26	15.19	15.33	480		
Aroclor-1260	2	15.79	15.71	15.85	240		
	3	16.37	16.30	16.44	380		
COLUMN 1	4	17.03	16.96	17.10	275		
	5	18.37	18.31	18.45	408	356	
	1	13.92	13.84	13.98	253		
	2	15.20	15.13	15.27	307		
	3	16.12	16.05	16.19	366		
COLUMN 2	4	17.25	17.18	17.32	447		
	5					343	3.6
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10

PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID

SD-40-01

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: MIDDLE RIVER

Lab Code: PO No.: SDG No.: MID-7

Lab Sample ID: WV5606-6 Date(s) Analyzed: 11/01/05 11/01/05

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)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.26	15.19	15.33	494		
Aroclor-1260	2	15.79	15.72	15.86	253		
	3	16.37	16.31	16.45	414		
COLUMN 1	4	17.03	16.97	17.11	304		
	5	18.37	18.31	18.45	531	400	
	1	13.92	13.85	13.99	217		
	2	14.79	14.72	14.86	359		
	3	15.20	15.14	15.28	341		
COLUMN 2	4	16.12	16.05	16.19	383		
	5					325	18.8
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

FORM 10
PESTICIDE IDENTIFICATION SUMMARY
FOR MULTICOMPONENT ANALYTES

CLIENT SAMPLE ID: SD-40-02

Lab Name: KATAHDIN ANALYTICAL SERVICES Project: MIDDLE RIVER

Lab Code: PO No.: SDG No.: MID-7

Lab Sample ID: WV5606-7 Date(s) Analyzed: 11/01/05 11/01/05

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)

ANALYTE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO	CONCENTRATION	MEAN CONCENTRATION	%D
	1	15.25	15.19	15.33	1200		
Aroclor-1260	2	15.78	15.72	15.86	717		
	3	16.37	16.31	16.45	992		
COLUMN 1	4	17.03	16.97	17.11	790		
	5	18.37	18.31	18.45	1090	957	
	1	13.92	13.85	13.99	693		
	2	14.79	14.72	14.86	985		
	3	15.21	15.14	15.28	862		
COLUMN 2	4	16.12	16.05	16.19	906		
	5					862	9.9
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						
	1						
	2						
	3						
COLUMN 1	4						
	5						
	1						
	2						
	3						
COLUMN 2	4						
	5						

At least 3 peaks are required for identification of multicomponent analytes.

FORM X PEST-2

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**MICHAEL MARTIN**	**DATE:**	**NOVEMBER 17, 2005**
FROM:	**KELLY CARPER**	**COPIES:**	**DV FILE**
SUBJECT:	**ORGANIC DATA VALIDATION- VOC/SVOC/PCB LOCKHEED MARTIN MIDDLE RIVER SDG WV5584**		

SAMPLES: 11/Aqueous/VOC/SVOC/PCB

SW-08-102005	SW-09-102005	SW-10-102005
SW-11-102005	SW-12-102005	SW-13-102005
SW-14-102005	SW-15-102005	SW-16-102005
SW-17-102005	TB102005	

Overview

The sample set for SDG WV5584 consists of ten (10) environmental surface water samples and one (1) trip blanks. Samples were analyzed for analytical fractions as indicated above, except the trip blanks which was analyzed for VOCs only.

The samples were collected by Tetra Tech Inc. on October 20, 2005 and analyzed by Katahdin Analytical Services, Inc. All analyses were conducted in accordance with SW-846 8260B, 8270C, and 8082 analytical methodology.

The findings in this report are based upon a general review of all available data including: data completeness, system performance, holding times, GC/MS tuning, initial/continuing calibrations, laboratory method blank results, surrogate spike/internal standard recoveries, blank spike results, matrix spike results, field duplicate precision, compound identification, compound quantitation, and detection limits.

Areas of concern are listed 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.

Major

- The initial calibration run on October 24, 2005 at 10:22 on instrument GCMS-F yielded an Relative Response Factor (RRF) less than 0.050 for acetone. The RRFs in the associated continuing calibration were also less than 0.050. The nondetected results report for this compound were rejected (UR). The positive result reported for acetone in the trip blank is estimated qualified (J). All samples in the SDG were affected.

- The volatile and semivolatile Matrix Spike/Matrix Spike Duplicate (MS/MSD) Percent Recoveries (%Rs) for 2-chloroethylvinyl ether, benzoic acid, and benzidine were less than 10%. The nondetected results reported for these compounds in the unspiked sample (SW-17-102005) were considered unusable and were rejected (UR).

Minor

- The following compound was detected in the trip blank:

Analyte	Maximum Detection	Action Level
Acetone	4 ug/L	40 ug/L

  Sample aliquot size, and dilution factors were taken into consideration during the application of action limits. Positive results for this compound reported at concentrations below the action level were qualified, (B), as a result of blank contamination.

- The initial calibration Percent Relative Standard Deviation (%RSD) for acetone run on October 24, 2005 at 10:22 on instrument GCMS-F was greater 30% but less than 50%. Only positive results are affected. The positive result in the trip blank was qualified as estimated, (J). No biased could be determined.

- The continuing calibration Percent Differences (%D) for xylenes run on October 26, 2005 at 11:41 on instrument GCMS-F was greater 50%. Only nondetects were reported for xylenes in the affected samples and these results were qualified as estimated (UJ). All samples in the SDG are affected.

- The continuing calibration %D for benzyl alcohol run on October 27, 2005 at 16:10 on instrument GCMS-X was greater 50%. Only nondetects were reported for benzyl alcohol in the affected samples and these results were qualified as estimated (UJ). All samples in the SDG, except SW-17-102005, and SW-09-102005, were affected.

- The continuing calibration %D for benzyl alcohol run on October 28, 2005 at 13:26 on instrument GCMS-X was greater 50%. Only nondetects were reported for benzyl alcohol in the affected samples and these results were qualified as estimated (UJ). Samples SW-09-102005 and SW-17-102005 were affected.

- The MS/MSD %Rs for approximately 75% of the semivolatile fraction compounds were low. Additionally most Relative Percent Differences (RPDs) were high. Only nondetected results were reported for the all the semivolatile fraction compounds in the unspiked sample (SW-17-102005), all the results in the unspiked samples were qualified as estimated (UJ). It is the validators professional opinion that all compound results could be affected by the poor recoveries.

- The volatile fraction surrogate 1,2-dichloroethane-d4 yielded high Percent Recoveries (%Rs) in all environmental samples. Positive and nondetected results were qualified as estimated (J and UJ, respectively) as a result of this noncompliance.

- The semivolatile fraction surrogate recoveries for 2-fluorophenol, nitrobenzene-d5, and 2-fluorobiphenyl were low in sample SW-09-102005. The base/neutral fraction compounds were qualified as biased low in this sample. Only nondetects were reported and they were qualified (UL).

- The surrogate decachlorobiphenyl %Rs were low on both columns in the LCS, the method blank, and samples SW-08-102005, SW-12-102005, and SW-12-102005. Only nondetected were reported in these samples and the nondetected results were qualified as estimated (UJ). No actions were taken in the LCS or method blank.

- All positive results below the reporting limit but above the MDL were qualified as estimated (J) due to uncertainty near the detection limit.

Notes

The continuing calibration %Ds for acetone, diisopropylether, 1,1-dichloroethene, 1,1,1-trichloroethane, bromodichloromethane, tetrachloroethene, naphthalene, and 1,2,3-trichlorobenzene run on October 26, 2005 at 11:41 on instrument GCMS-F were greater 25% but less than 50%. Only positive results are affected by this noncompliance and no positives were reported for these compounds in the affected samples.

The continuing calibration run on October 27, 2005 at 16:10 on instrument GCMS-X yielded %Ds for hexachlorocyclopentadiene, 4-nitroaniline, benzidine, butylbenzylphthalate, di-n-octylphthalate, indeno(1,2,3-cd)pyrene, dibenzo(a,h)anthracene, and benzo(g,h,i)perylene that were greater than 25% but less than 50%. No actions were warranted as only positive results are affected by this noncompliance and only nondetects were reported for these compounds in the affected samples. All samples in the SDG, except SW-17-102005, and SW-09-102005, were affected.

The continuing calibration run on October 28, 2005 at 13:26 on instrument GCMS-X yielded %Ds for benzoic acid and benzidine that were greater than 25% but less than 50%. No actions were warranted as only positive results are affected by this noncompliance and only nondetects were reported for these compounds in the affected samples. Samples SW-17-102005, and SW-09-102005 were affected.

The continuing calibration %Ds for Aroclor-1016 and Aroclor-1260 were greater than 15% but less than 30% in calibration run on October 28, 2005 at 3:59 (on both columns). No actions were warranted as only positive results are affected by this noncompliance and only nondetects were reported for these compounds in the affected samples.

The surrogate %Rs for nitrobenzene-d5 were low in samples SW-17-102005, SW-17-102005MS, SW-08-102005, SW-11-102005, and SW-12-102005. No actions were taken as only one fraction surrogate was noncompliant.

The Laboratory Control Sample/ Laboratory Control Sample Duplicate (LCS/LCSD) sample WG22067 analysis yielded a marginally low %R for tertiary butyl alcohol and a high %R for isopropylbenzene. No actions were warranted as the recoveries were only marginally noncompliant and are not indicative of data quality issues.

The LCS/LCSD analysis of sample WG22052 yielded low %Rs for 1,2,4-trichlorobenzene, hexachlorobutadiene, 2-nitroaniline, 2,4-dinitrophenol, and 3,3'-dichlorobenzidine. No actions were warranted as the recoveries were only marginally noncompliant and are not indicative of data quality issues.

The volatile fraction MS/MSD analysis of sample SW-17-102005 yielded high %Rs for chloroform, carbon tetrachloride, 1,1,1-trichloroethane, 1,1-dichloropropene, 1,2-dichloroethane, trichloroethene, dibromomethane, bromodichloromethane, trans-1,3-dichloropropene, isopropylbenzene, and 1,1,2,2-tetrachloroethane. 2-Butanone had one high and one low recovery and the RPDs for chloromethane, tert-butyl alcohol, and vinyl chloride were high. No actions were taken in the unspiked sample as none of the noncompliances were gross exceedences.

Surrogate decachlorobiphenyl %R was low on one column in sample SW-17-102005MSD. No action was taken.

Executive Summary

Laboratory Performance: The initial calibration RRF for acetone was less than 0.05. Continuing calibration RRF for acetone was less than 0.05. There were several volatile and semivolatile fraction noncompliant continuing calibration %Ds. There were several LCS/LCSD sample noncompliances.

Other Factors Affecting Data Quality: Many volatile and semivolatile fraction MS/MSD noncompliances were noted. Acetone was detected in the trip blank. There were several volatile, semivolatile, and PCB fraction surrogate noncompliances.

The data for these analyses were reviewed with reference to SW-846 method-specific requirements and U.S. EPA National Functional Guidelines for Data Validation as modified by EPA Region III (9/94) to the extent practicable. The text of this report has been formulated to address only those problem areas affecting data quality.

Tetra Tech NUS
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Quality Assurance Officer

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

SUMMARY OF TENTATIVELY IDENTIFIED COMPOUNDS

VOLATILES
None

VOLATILES
Unknown(s)
Caprolactam
1-Heptene
Unknown Alkanes

Appendix A

Qualified Analytical Results

PROJ_NO: 00275

SDG: WV5584 MEDIA: WATER DATA FRACTION: OV

nsample	SW-08-102005
samp_date	10/20/2005
lab_id	WV5584-2
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	1	UJ	R
1,1,1-TRICHLOROETHANE	1	UJ	R
1,1,2,2-TETRACHLOROETHANE	1	UJ	R
1,1,2-TRICHLOROTRIFLUOROETHANE	1	UJ	R
1,1-DICHLOROETHANE	1	UJ	R
1,1-DICHLOROETHENE	1	UJ	R
1,1-DICHLOROPROPENE	1	UJ	R
1,2,3-TRICHLOROBENZENE	1	UJ	R
1,2,3-TRICHLOROPROPANE	1	UJ	R
1,2,3-TRIMETHYLBENZENE	1	UJ	R
1,2,4-TRICHLOROBENZENE	1	UJ	R
1,2,4-TRIMETHYLBENZENE	1	UJ	R
1,2-DIBROMO-3-CHLOROPROPANE	1	UJ	R
1,2-DIBROMOETHANE	1	UJ	R
1,2-DICHLOROBENZENE	1	UJ	R
1,2-DICHLOROETHANE	1	UJ	R
1,2-DICHLOROPROPANE	1	UJ	R
1,3-DICHLOROBENZENE	1	UJ	R
1,3-DICHLOROPROPANE	1	UJ	R
1,4-DICHLOROBENZENE	1	UJ	R
2,2-DICHLOROPROPANE	1	UJ	R
2-BUTANONE	5	UJ	R
2-CHLOROETHYL VINYL ETHER	1	UJ	R
2-CHLOROTOLUENE	1	UJ	R
2-HEXANONE	5	UJ	R
4-CHLOROTOLUENE	1	UJ	R
4-ISOPROPYLTOLUENE	1	UJ	R
4-METHYL-2-PENTANONE	5	UJ	R
ACETONE	5	UR	C
BENZENE	1	UJ	R
BROMOBENZENE	1	UJ	R
BROMOCHLOROMETHANE	1	UJ	R

nsample	SW-08-102005
samp_date	10/20/2005
lab_id	WV5584-2
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BROMODICHLOROMETHANE	1	UJ	R
BROMOFORM	1	UJ	R
BROMOMETHANE	2	UJ	R
CARBON DISULFIDE	1	UJ	R
CARBON TETRACHLORIDE	1	UJ	R
CHLOROBENZENE	1	UJ	R
CHLORODIBROMOMETHANE	1	UJ	R
CHLOROETHANE	2	UJ	R
CHLOROFORM	1	UJ	R
CHLOROMETHANE	2	UJ	R
CIS-1,2-DICHLOROETHENE	1	UJ	R
CIS-1,3-DICHLOROPROPENE	1	UJ	R
DIBROMOMETHANE	1	UJ	R
DICHLORODIFLUOROMETHANE	2	UJ	R
DIISOPROPYL ETHER	1	UJ	R
ETHYL TERT-BUTYL ETHER	1	UJ	R
ETHYLBENZENE	1	UJ	R
HEXACHLOROBUTADIENE	1	UJ	R
ISOPROPYLBENZENE	1	UJ	R
M+P-XYLENES	2	UJ	R
METHYL TERT-BUTYL ETHER	2	UJ	R
METHYLENE CHLORIDE	2	UJ	R
NAPHTHALENE	1	UJ	R
N-BUTYLBENZENE	1	UJ	R
N-PROPYLBENZENE	1	UJ	R
O-XYLENE	1	UJ	R
SEC-BUTYLBENZENE	1	UJ	R
STYRENE	1	UJ	R
TERT-AMYL METHYL ETHER	1	UJ	R
TERT-BUTYLBENZENE	1	UJ	R
TERTIARY-BUTYL ALCOHOL	5	UJ	R
TETRACHLOROETHENE	1	UJ	R

nsample	SW-08-102005
samp_date	10/20/2005
lab_id	WV5584-2
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOLUENE	1	UJ	R
TOTAL 1,2-DICHLOROETHENE	2	UJ	R
TOTAL XYLENES	3	UJ	CR
TRANS-1,2-DICHLOROETHENE	1	UJ	R
TRANS-1,3-DICHLOROPROPENE	1	UJ	R
TRICHLOROETHENE	1	UJ	R
TRICHLOROFLUOROMETHANE	2	UJ	R
VINYL ACETATE	1	UJ	R
VINYL CHLORIDE	2	UJ	R

PROJ_NO: 00275

SDG: WV5584 MEDIA: WATER DATA FRACTION: OV

nsample	SW-09-102005
samp_date	10/20/2005
lab_id	WV5584-4
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	1	UJ	R
1,1,1-TRICHLOROETHANE	1	UJ	R
1,1,2,2-TETRACHLOROETHANE	1	UJ	R
1,1,2-TRICHLOROTRIFLUOROETHANE	1	UJ	R
1,1-DICHLOROETHANE	1	UJ	R
1,1-DICHLOROETHENE	1	UJ	R
1,1-DICHLOROPROPENE	1	UJ	R
1,2,3-TRICHLOROBENZENE	1	UJ	R
1,2,3-TRICHLOROPROPANE	1	UJ	R
1,2,3-TRIMETHYLBENZENE	1	UJ	R
1,2,4-TRICHLOROBENZENE	1	UJ	R
1,2,4-TRIMETHYLBENZENE	1	UJ	R
1,2-DIBROMO-3-CHLOROPROPANE	1	UJ	R
1,2-DIBROMOETHANE	1	UJ	R
1,2-DICHLOROBENZENE	1	UJ	R
1,2-DICHLOROETHANE	1	UJ	R
1,2-DICHLOROPROPANE	1	UJ	R
1,3-DICHLOROBENZENE	1	UJ	R
1,3-DICHLOROPROPANE	1	UJ	R
1,4-DICHLOROBENZENE	1	UJ	R
2,2-DICHLOROPROPANE	1	UJ	R
2-BUTANONE	5	UJ	R
2-CHLOROETHYL VINYL ETHER	1	UJ	R
2-CHLOROTOLUENE	1	UJ	R
2-HEXANONE	5	UJ	R
4-CHLOROTOLUENE	1	UJ	R
4-ISOPROPYLTOLUENE	1	UJ	R
4-METHYL-2-PENTANONE	5	UJ	R
ACETONE	5	UR	C
BENZENE	1	UJ	R
BROMOBENZENE	1	UJ	R
BROMOCHLOROMETHANE	1	UJ	R

nsample	SW-09-102005
samp_date	10/20/2005
lab_id	WV5584-4
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BROMODICHLOROMETHANE	1	UJ	R
BROMOFORM	1	UJ	R
BROMOMETHANE	2	UJ	R
CARBON DISULFIDE	1	UJ	R
CARBON TETRACHLORIDE	1	UJ	R
CHLOROBENZENE	1	UJ	R
CHLORODIBROMOMETHANE	1	UJ	R
CHLOROETHANE	2	UJ	R
CHLOROFORM	1	UJ	R
CHLOROMETHANE	2	UJ	R
CIS-1,2-DICHLOROETHENE	1	UJ	R
CIS-1,3-DICHLOROPROPENE	1	UJ	R
DIBROMOMETHANE	1	UJ	R
DICHLORODIFLUOROMETHANE	2	UJ	R
DIISOPROPYL ETHER	1	UJ	R
ETHYL TERT-BUTYL ETHER	1	UJ	R
ETHYLBENZENE	1	UJ	R
HEXACHLOROBUTADIENE	1	UJ	R
ISOPROPYLBENZENE	1	UJ	R
M+P-XYLENES	2	UJ	R
METHYL TERT-BUTYL ETHER	1	J	PR
METHYLENE CHLORIDE	2	UJ	R
NAPHTHALENE	1	UJ	R
N-BUTYLBENZENE	1	UJ	R
N-PROPYLBENZENE	1	UJ	R
O-XYLENE	1	UJ	R
SEC-BUTYLBENZENE	1	UJ	R
STYRENE	1	UJ	R
TERT-AMYL METHYL ETHER	1	UJ	R
TERT-BUTYLBENZENE	1	UJ	R
TERTIARY-BUTYL ALCOHOL	5	UJ	R
TETRACHLOROETHENE	1	UJ	R

nsample	SW-09-102005
samp_date	10/20/2005
lab_id	WV5584-4
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOLUENE	1	UJ	R
TOTAL 1,2-DICHLOROETHENE	2	UJ	R
TOTAL XYLENES	3	UJ	CR
TRANS-1,2-DICHLOROETHENE	1	UJ	R
TRANS-1,3-DICHLOROPROPENE	1	UJ	R
TRICHLOROETHENE	1	UJ	R
TRICHLOROFLUOROMETHANE	2	UJ	R
VINYL ACETATE	1	UJ	R
VINYL CHLORIDE	2	UJ	R

PROJ_NO: 00275

SDG: WV5584 MEDIA: WATER DATA FRACTION: OV

nsample	SW-10-102005
samp_date	10/20/2005
lab_id	WV5584-6
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	1	UJ	R
1,1,1-TRICHLOROETHANE	1	UJ	R
1,1,2,2-TETRACHLOROETHANE	1	UJ	R
1,1,2-TRICHLOROTRIFLUOROETHANE	1	UJ	R
1,1-DICHLOROETHANE	1	UJ	R
1,1-DICHLOROETHENE	1	UJ	R
1,1-DICHLOROPROPENE	1	UJ	R
1,2,3-TRICHLOROBENZENE	1	UJ	R
1,2,3-TRICHLOROPROPANE	1	UJ	R
1,2,3-TRIMETHYLBENZENE	1	UJ	R
1,2,4-TRICHLOROBENZENE	1	UJ	R
1,2,4-TRIMETHYLBENZENE	1	UJ	R
1,2-DIBROMO-3-CHLOROPROPANE	1	UJ	R
1,2-DIBROMOETHANE	1	UJ	R
1,2-DICHLOROBENZENE	1	UJ	R
1,2-DICHLOROETHANE	1	UJ	R
1,2-DICHLOROPROPANE	1	UJ	R
1,3-DICHLOROBENZENE	1	UJ	R
1,3-DICHLOROPROPANE	1	UJ	R
1,4-DICHLOROBENZENE	1	UJ	R
2,2-DICHLOROPROPANE	1	UJ	R
2-BUTANONE	5	UJ	R
2-CHLOROETHYL VINYL ETHER	1	UJ	R
2-CHLOROTOLUENE	1	UJ	R
2-HEXANONE	5	UJ	R
4-CHLOROTOLUENE	1	UJ	R
4-ISOPROPYLTOLUENE	1	UJ	R
4-METHYL-2-PENTANONE	5	UJ	R
ACETONE	5	UR	C
BENZENE	1	UJ	R
BROMOBENZENE	1	UJ	R
BROMOCHLOROMETHANE	1	UJ	R

nsample	SW-10-102005
samp_date	10/20/2005
lab_id	WV5584-6
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BROMODICHLOROMETHANE	1	UJ	R
BROMOFORM	1	UJ	R
BROMOMETHANE	2	UJ	R
CARBON DISULFIDE	1	UJ	R
CARBON TETRACHLORIDE	1	UJ	R
CHLOROBENZENE	1	UJ	R
CHLORODIBROMOMETHANE	1	UJ	R
CHLOROETHANE	2	UJ	R
CHLOROFORM	1	UJ	R
CHLOROMETHANE	2	UJ	R
CIS-1,2-DICHLOROETHENE	1	UJ	R
CIS-1,3-DICHLOROPROPENE	1	UJ	R
DIBROMOMETHANE	1	UJ	R
DICHLORODIFLUOROMETHANE	2	UJ	R
DIISOPROPYL ETHER	1	UJ	R
ETHYL TERT-BUTYL ETHER	1	UJ	R
ETHYLBENZENE	1	UJ	R
HEXACHLOROBUTADIENE	1	UJ	R
ISOPROPYLBENZENE	1	UJ	R
M+P-XYLENES	2	UJ	R
METHYL TERT-BUTYL ETHER	1	J	PR
METHYLENE CHLORIDE	2	UJ	R
NAPHTHALENE	1	UJ	R
N-BUTYLBENZENE	1	UJ	R
N-PROPYLBENZENE	1	UJ	R
O-XYLENE	1	UJ	R
SEC-BUTYLBENZENE	1	UJ	R
STYRENE	1	UJ	R
TERT-AMYL METHYL ETHER	1	UJ	R
TERT-BUTYLBENZENE	1	UJ	R
TERTIARY-BUTYL ALCOHOL	5	UJ	R
TETRACHLOROETHENE	1	UJ	R

nsample	SW-10-102005
samp_date	10/20/2005
lab_id	WV5584-6
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOLUENE	1	UJ	R
TOTAL 1,2-DICHLOROETHENE	2	UJ	R
TOTAL XYLENES	3	UJ	CR
TRANS-1,2-DICHLOROETHENE	1	UJ	R
TRANS-1,3-DICHLOROPROPENE	1	UJ	R
TRICHLOROETHENE	0.3	J	PR
TRICHLOROFLUOROMETHANE	2	UJ	R
VINYL ACETATE	1	UJ	R
VINYL CHLORIDE	2	UJ	R

PROJ_NO: 00275

SDG: WV5584 MEDIA: WATER DATA FRACTION: OV

nsample	SW-11-102005
samp_date	10/20/2005
lab_id	WV5584-8
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	1	UJ	R
1,1,1-TRICHLOROETHANE	1	UJ	R
1,1,2,2-TETRACHLOROETHANE	1	UJ	R
1,1,2-TRICHLOROTRIFLUOROETHANE	1	UJ	R
1,1-DICHLOROETHANE	1	UJ	R
1,1-DICHLOROETHENE	1	UJ	R
1,1-DICHLOROPROPENE	1	UJ	R
1,2,3-TRICHLOROBENZENE	1	UJ	R
1,2,3-TRICHLOROPROPANE	1	UJ	R
1,2,3-TRIMETHYLBENZENE	1	UJ	R
1,2,4-TRICHLOROBENZENE	1	UJ	R
1,2,4-TRIMETHYLBENZENE	1	UJ	R
1,2-DIBROMO-3-CHLOROPROPANE	1	UJ	R
1,2-DIBROMOETHANE	1	UJ	R
1,2-DICHLOROBENZENE	1	UJ	R
1,2-DICHLOROETHANE	1	UJ	R
1,2-DICHLOROPROPANE	1	UJ	R
1,3-DICHLOROBENZENE	1	UJ	R
1,3-DICHLOROPROPANE	1	UJ	R
1,4-DICHLOROBENZENE	1	UJ	R
2,2-DICHLOROPROPANE	1	UJ	R
2-BUTANONE	5	UJ	R
2-CHLOROETHYL VINYL ETHER	1	UJ	R
2-CHLOROTOLUENE	1	UJ	R
2-HEXANONE	5	UJ	R
4-CHLOROTOLUENE	1	UJ	R
4-ISOPROPYLTOLUENE	1	UJ	R
4-METHYL-2-PENTANONE	5	UJ	R
ACETONE	5	UR	C
BENZENE	1	UJ	R
BROMOBENZENE	1	UJ	R
BROMOCHLOROMETHANE	1	UJ	R

nsample	SW-11-102005
samp_date	10/20/2005
lab_id	WV5584-8
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BROMODICHLOROMETHANE	1	UJ	R
BROMOFORM	1	UJ	R
BROMOMETHANE	2	UJ	R
CARBON DISULFIDE	1	UJ	R
CARBON TETRACHLORIDE	1	UJ	R
CHLOROBENZENE	1	UJ	R
CHLORODIBROMOMETHANE	1	UJ	R
CHLOROETHANE	2	UJ	R
CHLOROFORM	1	UJ	R
CHLOROMETHANE	2	UJ	R
CIS-1,2-DICHLOROETHENE	1	UJ	R
CIS-1,3-DICHLOROPROPENE	1	UJ	R
DIBROMOMETHANE	1	UJ	R
DICHLORODIFLUOROMETHANE	2	UJ	R
DIISOPROPYL ETHER	1	UJ	R
ETHYL TERT-BUTYL ETHER	1	UJ	R
ETHYLBENZENE	1	UJ	R
HEXACHLOROBUTADIENE	1	UJ	R
ISOPROPYLBENZENE	1	UJ	R
M+P-XYLENES	2	UJ	R
METHYL TERT-BUTYL ETHER	2	J	PR
METHYLENE CHLORIDE	2	UJ	R
NAPHTHALENE	1	UJ	R
N-BUTYLBENZENE	1	UJ	R
N-PROPYLBENZENE	1	UJ	R
O-XYLENE	1	UJ	R
SEC-BUTYLBENZENE	1	UJ	R
STYRENE	1	UJ	R
TERT-AMYL METHYL ETHER	1	UJ	R
TERT-BUTYLBENZENE	1	UJ	R
TERTIARY-BUTYL ALCOHOL	5	UJ	R
TETRACHLOROETHENE	1	UJ	R

nsample	SW-11-102005
samp_date	10/20/2005
lab_id	WV5584-8
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOLUENE	1	UJ	R
TOTAL 1,2-DICHLOROETHENE	2	UJ	R
TOTAL XYLENES	3	UJ	CR
TRANS-1,2-DICHLOROETHENE	1	UJ	R
TRANS-1,3-DICHLOROPROPENE	1	UJ	R
TRICHLOROETHENE	1	UJ	R
TRICHLOROFLUOROMETHANE	2	UJ	R
VINYL ACETATE	1	UJ	R
VINYL CHLORIDE	2	UJ	R

PROJ_NO: 00275

SDG: WV5584 MEDIA: WATER DATA FRACTION: OV

nsample	SW-12-102005
samp_date	10/20/2005
lab_id	WV5584-10
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	1	UJ	R
1,1,1-TRICHLOROETHANE	1	UJ	R
1,1,2,2-TETRACHLOROETHANE	1	UJ	R
1,1,2-TRICHLOROTRIFLUOROETHANE	1	UJ	R
1,1-DICHLOROETHANE	1	UJ	R
1,1-DICHLOROETHENE	1	UJ	R
1,1-DICHLOROPROPENE	1	UJ	R
1,2,3-TRICHLOROBENZENE	1	UJ	R
1,2,3-TRICHLOROPROPANE	1	UJ	R
1,2,3-TRIMETHYLBENZENE	1	UJ	R
1,2,4-TRICHLOROBENZENE	1	UJ	R
1,2,4-TRIMETHYLBENZENE	1	UJ	R
1,2-DIBROMO-3-CHLOROPROPANE	1	UJ	R
1,2-DIBROMOETHANE	1	UJ	R
1,2-DICHLOROBENZENE	1	UJ	R
1,2-DICHLOROETHANE	1	UJ	R
1,2-DICHLOROPROPANE	1	UJ	R
1,3-DICHLOROBENZENE	1	UJ	R
1,3-DICHLOROPROPANE	1	UJ	R
1,4-DICHLOROBENZENE	1	UJ	R
2,2-DICHLOROPROPANE	1	UJ	R
2-BUTANONE	5	UJ	R
2-CHLOROETHYL VINYL ETHER	1	UJ	R
2-CHLOROTOLUENE	1	UJ	R
2-HEXANONE	5	UJ	R
4-CHLOROTOLUENE	1	UJ	R
4-ISOPROPYLTOLUENE	1	UJ	R
4-METHYL-2-PENTANONE	5	UJ	R
ACETONE	5	UR	C
BENZENE	1	UJ	R
BROMOBENZENE	1	UJ	R
BROMOCHLOROMETHANE	1	UJ	R

nsample	SW-12-102005
samp_date	10/20/2005
lab_id	WV5584-10
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BROMODICHLOROMETHANE	1	UJ	R
BROMOFORM	1	UJ	R
BROMOMETHANE	2	UJ	R
CARBON DISULFIDE	1	UJ	R
CARBON TETRACHLORIDE	1	UJ	R
CHLOROBENZENE	1	UJ	R
CHLORODIBROMOMETHANE	1	UJ	R
CHLOROETHANE	2	UJ	R
CHLOROFORM	1	UJ	R
CHLOROMETHANE	2	UJ	R
CIS-1,2-DICHLOROETHENE	1	UJ	R
CIS-1,3-DICHLOROPROPENE	1	UJ	R
DIBROMOMETHANE	1	UJ	R
DICHLORODIFLUOROMETHANE	2	UJ	R
DIISOPROPYL ETHER	1	UJ	R
ETHYL TERT-BUTYL ETHER	1	UJ	R
ETHYLBENZENE	1	UJ	R
HEXACHLOROBUTADIENE	1	UJ	R
ISOPROPYLBENZENE	1	UJ	R
M+P-XYLENES	2	UJ	R
METHYL TERT-BUTYL ETHER	1	J	PR
METHYLENE CHLORIDE	2	UJ	R
NAPHTHALENE	1	UJ	R
N-BUTYLBENZENE	1	UJ	R
N-PROPYLBENZENE	1	UJ	R
O-XYLENE	1	UJ	R
SEC-BUTYLBENZENE	1	UJ	R
STYRENE	1	UJ	R
TERT-AMYL METHYL ETHER	1	UJ	R
TERT-BUTYLBENZENE	1	UJ	R
TERTIARY-BUTYL ALCOHOL	5	UJ	R
TETRACHLOROETHENE	1	UJ	R

nsample	SW-12-102005
samp_date	10/20/2005
lab_id	WV5584-10
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOLUENE	1	UJ	R
TOTAL 1,2-DICHLOROETHENE	2	UJ	R
TOTAL XYLENES	3	UJ	CR
TRANS-1,2-DICHLOROETHENE	1	UJ	R
TRANS-1,3-DICHLOROPROPENE	1	UJ	R
TRICHLOROETHENE	1	UJ	R
TRICHLOROFLUOROMETHANE	2	UJ	R
VINYL ACETATE	1	UJ	R
VINYL CHLORIDE	2	UJ	R

PROJ_NO: 00275

SDG: WV5584 MEDIA: WATER DATA FRACTION: OV

nsample	SW-13-102005
samp_date	10/20/2005
lab_id	WV5584-12
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	1	UJ	R
1,1,1-TRICHLOROETHANE	1	UJ	R
1,1,2,2-TETRACHLOROETHANE	1	UJ	R
1,1,2-TRICHLOROTRIFLUOROETHANE	1	UJ	R
1,1-DICHLOROETHANE	1	UJ	R
1,1-DICHLOROETHENE	1	UJ	R
1,1-DICHLOROPROPENE	1	UJ	R
1,2,3-TRICHLOROBENZENE	1	UJ	R
1,2,3-TRICHLOROPROPANE	1	UJ	R
1,2,3-TRIMETHYLBENZENE	1	UJ	R
1,2,4-TRICHLOROBENZENE	1	UJ	R
1,2,4-TRIMETHYLBENZENE	1	UJ	R
1,2-DIBROMO-3-CHLOROPROPANE	1	UJ	R
1,2-DIBROMOETHANE	1	UJ	R
1,2-DICHLOROBENZENE	1	UJ	R
1,2-DICHLOROETHANE	1	UJ	R
1,2-DICHLOROPROPANE	1	UJ	R
1,3-DICHLOROBENZENE	1	UJ	R
1,3-DICHLOROPROPANE	1	UJ	R
1,4-DICHLOROBENZENE	1	UJ	R
2,2-DICHLOROPROPANE	1	UJ	R
2-BUTANONE	5	UJ	R
2-CHLOROETHYL VINYL ETHER	1	UJ	R
2-CHLOROTOLUENE	1	UJ	R
2-HEXANONE	5	UJ	R
4-CHLOROTOLUENE	1	UJ	R
4-ISOPROPYLTOLUENE	1	UJ	R
4-METHYL-2-PENTANONE	5	UJ	R
ACETONE	4	B	B
BENZENE	1	UJ	R
BROMOBENZENE	1	UJ	R
BROMOCHLOROMETHANE	1	UJ	R

nsample	SW-13-102005
samp_date	10/20/2005
lab_id	WV5584-12
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BROMODICHLOROMETHANE	1	UJ	R
BROMOFORM	1	UJ	R
BROMOMETHANE	2	UJ	R
CARBON DISULFIDE	1	UJ	R
CARBON TETRACHLORIDE	1	UJ	R
CHLOROBENZENE	1	UJ	R
CHLORODIBROMOMETHANE	1	UJ	R
CHLOROETHANE	2	UJ	R
CHLOROFORM	1	UJ	R
CHLOROMETHANE	2	UJ	R
CIS-1,2-DICHLOROETHENE	1	UJ	R
CIS-1,3-DICHLOROPROPENE	1	UJ	R
DIBROMOMETHANE	1	UJ	R
DICHLORODIFLUOROMETHANE	2	UJ	R
DIISOPROPYL ETHER	1	UJ	R
ETHYL TERT-BUTYL ETHER	1	UJ	R
ETHYLBENZENE	1	UJ	R
HEXACHLOROBUTADIENE	1	UJ	R
ISOPROPYLBENZENE	1	UJ	R
M+P-XYLENES	2	UJ	R
METHYL TERT-BUTYL ETHER	2	UJ	R
METHYLENE CHLORIDE	2	UJ	R
NAPHTHALENE	1	UJ	R
N-BUTYLBENZENE	1	UJ	R
N-PROPYLBENZENE	1	UJ	R
O-XYLENE	1	UJ	R
SEC-BUTYLBENZENE	1	UJ	R
STYRENE	1	UJ	R
TERT-AMYL METHYL ETHER	1	UJ	R
TERT-BUTYLBENZENE	1	UJ	R
TERTIARY-BUTYL ALCOHOL	5	UJ	R
TETRACHLOROETHENE	1	UJ	R

nsample	SW-13-102005
samp_date	10/20/2005
lab_id	WV5584-12
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOLUENE	1	UJ	R
TOTAL 1,2-DICHLOROETHENE	2	UJ	R
TOTAL XYLENES	3	UJ	CR
TRANS-1,2-DICHLOROETHENE	1	UJ	R
TRANS-1,3-DICHLOROPROPENE	1	UJ	R
TRICHLOROETHENE	1	UJ	R
TRICHLOROFLUOROMETHANE	2	UJ	R
VINYL ACETATE	1	UJ	R
VINYL CHLORIDE	2	UJ	R

PROJ_NO: 00275

SDG: WV5584 MEDIA: WATER DATA FRACTION: OV

nsample	SW-14-102005
samp_date	10/20/2005
lab_id	WV5584-14
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,1,1,2-TETRACHLOROETHANE	1	UJ	R
1,1,1-TRICHLOROETHANE	1	UJ	R
1,1,2,2-TETRACHLOROETHANE	1	UJ	R
1,1,2-TRICHLOROTRIFLUOROETHANE	1	UJ	R
1,1-DICHLOROETHANE	1	UJ	R
1,1-DICHLOROETHENE	1	UJ	R
1,1-DICHLOROPROPENE	1	UJ	R
1,2,3-TRICHLOROBENZENE	1	UJ	R
1,2,3-TRICHLOROPROPANE	1	UJ	R
1,2,3-TRIMETHYLBENZENE	1	UJ	R
1,2,4-TRICHLOROBENZENE	1	UJ	R
1,2,4-TRIMETHYLBENZENE	1	UJ	R
1,2-DIBROMO-3-CHLOROPROPANE	1	UJ	R
1,2-DIBROMOETHANE	1	UJ	R
1,2-DICHLOROBENZENE	1	UJ	R
1,2-DICHLOROETHANE	1	UJ	R
1,2-DICHLOROPROPANE	1	UJ	R
1,3-DICHLOROBENZENE	1	UJ	R
1,3-DICHLOROPROPANE	1	UJ	R
1,4-DICHLOROBENZENE	1	UJ	R
2,2-DICHLOROPROPANE	1	UJ	R
2-BUTANONE	5	UJ	R
2-CHLOROETHYL VINYL ETHER	1	UJ	R
2-CHLOROTOLUENE	1	UJ	R
2-HEXANONE	5	UJ	R
4-CHLOROTOLUENE	1	UJ	R
4-ISOPROPYLTOLUENE	1	UJ	R
4-METHYL-2-PENTANONE	5	UJ	R
ACETONE	5	UR	C
BENZENE	1	UJ	R
BROMOBENZENE	1	UJ	R
BROMOCHLOROMETHANE	1	UJ	R

nsample	SW-14-102005
samp_date	10/20/2005
lab_id	WV5584-14
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BROMODICHLOROMETHANE	1	UJ	R
BROMOFORM	1	UJ	R
BROMOMETHANE	2	UJ	R
CARBON DISULFIDE	1	UJ	R
CARBON TETRACHLORIDE	1	UJ	R
CHLOROBENZENE	1	UJ	R
CHLORODIBROMOMETHANE	1	UJ	R
CHLOROETHANE	2	UJ	R
CHLOROFORM	1	UJ	R
CHLOROMETHANE	2	UJ	R
CIS-1,2-DICHLOROETHENE	1	UJ	R
CIS-1,3-DICHLOROPROPENE	1	UJ	R
DIBROMOMETHANE	1	UJ	R
DICHLORODIFLUOROMETHANE	2	UJ	R
DIISOPROPYL ETHER	1	UJ	R
ETHYL TERT-BUTYL ETHER	1	UJ	R
ETHYLBENZENE	1	UJ	R
HEXACHLOROBUTADIENE	1	UJ	R
ISOPROPYLBENZENE	1	UJ	R
M+P-XYLENES	2	UJ	R
METHYL TERT-BUTYL ETHER	2	J	PR
METHYLENE CHLORIDE	2	UJ	R
NAPHTHALENE	1	UJ	R
N-BUTYLBENZENE	1	UJ	R
N-PROPYLBENZENE	1	UJ	R
O-XYLENE	1	UJ	R
SEC-BUTYLBENZENE	1	UJ	R
STYRENE	1	UJ	R
TERT-AMYL METHYL ETHER	1	UJ	R
TERT-BUTYLBENZENE	1	UJ	R
TERTIARY-BUTYL ALCOHOL	5	UJ	R
TETRACHLOROETHENE	1	UJ	R

nsample	SW-14-102005
samp_date	10/20/2005
lab_id	WV5584-14
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOLUENE	1	UJ	R
TOTAL 1,2-DICHLOROETHENE	2	UJ	R
TOTAL XYLENES	3	UJ	CR
TRANS-1,2-DICHLOROETHENE	1	UJ	R
TRANS-1,3-DICHLOROPROPENE	1	UJ	R
TRICHLOROETHENE	1	UJ	R
TRICHLOROFLUOROMETHANE	2	UJ	R
VINYL ACETATE	1	UJ	R
VINYL CHLORIDE	2	UJ	R

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SDG: WV5584 MEDIA: WATER DATA FRACTION: OV

nsample	SW-15-102005	nsample	SW-15-102005	nsample	SW-15-102005
samp_date	10/20/2005	samp_date	10/20/2005	samp_date	10/20/2005
lab_id	WV5584-16	lab_id	WV5584-16	lab_id	WV5584-16
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	1	UJ	R
1,1,1-TRICHLOROETHANE	1	UJ	R
1,1,2,2-TETRACHLOROETHANE	1	UJ	R
1,1,2-TRICHLOROTRIFLUOROETHANE	1	UJ	R
1,1-DICHLOROETHANE	1	UJ	R
1,1-DICHLOROETHENE	1	UJ	R
1,1-DICHLOROPROPENE	1	UJ	R
1,2,3-TRICHLOROBENZENE	1	UJ	R
1,2,3-TRICHLOROPROPANE	1	UJ	R
1,2,3-TRIMETHYLBENZENE	1	UJ	R
1,2,4-TRICHLOROBENZENE	1	UJ	R
1,2,4-TRIMETHYLBENZENE	1	UJ	R
1,2-DIBROMO-3-CHLOROPROPANE	1	UJ	R
1,2-DIBROMOETHANE	1	UJ	R
1,2-DICHLOROBENZENE	1	UJ	R
1,2-DICHLOROETHANE	1	UJ	R
1,2-DICHLOROPROPANE	1	UJ	R
1,3-DICHLOROBENZENE	1	UJ	R
1,3-DICHLOROPROPANE	1	UJ	R
1,4-DICHLOROBENZENE	1	UJ	R
2,2-DICHLOROPROPANE	1	UJ	R
2-BUTANONE	5	UJ	R
2-CHLOROETHYL VINYL ETHER	1	UJ	R
2-CHLOROTOLUENE	1	UJ	R
2-HEXANONE	5	UJ	R
4-CHLOROTOLUENE	1	UJ	R
4-ISOPROPYLTOLUENE	1	UJ	R
4-METHYL-2-PENTANONE	5	UJ	R
ACETONE	5	UR	C
BENZENE	1	UJ	R
BROMOBENZENE	1	UJ	R
BROMOCHLOROMETHANE	1	UJ	R

Parameter	Result	Val Qual	Qual Code
BROMODICHLOROMETHANE	1	UJ	R
BROMOFORM	1	UJ	R
BROMOMETHANE	2	UJ	R
CARBON DISULFIDE	0.7	J	PR
CARBON TETRACHLORIDE	1	UJ	R
CHLOROBENZENE	1	UJ	R
CHLORODIBROMOMETHANE	1	UJ	R
CHLOROETHANE	2	UJ	R
CHLOROFORM	1	UJ	R
CHLOROMETHANE	2	UJ	R
CIS-1,2-DICHLOROETHENE	1	UJ	R
CIS-1,3-DICHLOROPROPENE	1	UJ	R
DIBROMOMETHANE	1	UJ	R
DICHLORODIFLUOROMETHANE	2	UJ	R
DIISOPROPYL ETHER	1	UJ	R
ETHYL TERT-BUTYL ETHER	1	UJ	R
ETHYLBENZENE	1	UJ	R
HEXACHLOROBUTADIENE	1	UJ	R
ISOPROPYLBENZENE	1	UJ	R
M+P-XYLENES	2	UJ	R
METHYL TERT-BUTYL ETHER	2	J	PR
METHYLENE CHLORIDE	2	UJ	R
NAPHTHALENE	1	UJ	R
N-BUTYLBENZENE	1	UJ	R
N-PROPYLBENZENE	1	UJ	R
O-XYLENE	1	UJ	R
SEC-BUTYLBENZENE	1	UJ	R
STYRENE	1	UJ	R
TERT-AMYL METHYL ETHER	1	UJ	R
TERT-BUTYLBENZENE	1	UJ	R
TERTIARY-BUTYL ALCOHOL	5	UJ	R
TETRACHLOROETHENE	1	UJ	R

Parameter	Result	Val Qual	Qual Code
TOLUENE	1	UJ	R
TOTAL 1,2-DICHLOROETHENE	2	UJ	R
TOTAL XYLENES	3	UJ	CR
TRANS-1,2-DICHLOROETHENE	1	UJ	R
TRANS-1,3-DICHLOROPROPENE	1	UJ	R
TRICHLOROETHENE	1	UJ	R
TRICHLOROFLUOROMETHANE	2	UJ	R
VINYL ACETATE	1	UJ	R
VINYL CHLORIDE	2	UJ	R

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SDG: WV5584 MEDIA: WATER DATA FRACTION: OV

nsample	SW-16-102005	nsample	SW-16-102005	nsample	SW-16-102005
samp_date	10/20/2005	samp_date	10/20/2005	samp_date	10/20/2005
lab_id	WV5584-18	lab_id	WV5584-18	lab_id	WV5584-18
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	1	UJ	R
1,1,1-TRICHLOROETHANE	1	UJ	R
1,1,2,2-TETRACHLOROETHANE	1	UJ	R
1,1,2-TRICHLOROTRIFLUOROETHANE	1	UJ	R
1,1-DICHLOROETHANE	1	UJ	R
1,1-DICHLOROETHENE	1	UJ	R
1,1-DICHLOROPROPENE	1	UJ	R
1,2,3-TRICHLOROBENZENE	1	UJ	R
1,2,3-TRICHLOROPROPANE	1	UJ	R
1,2,3-TRIMETHYLBENZENE	1	UJ	R
1,2,4-TRICHLOROBENZENE	1	UJ	R
1,2,4-TRIMETHYLBENZENE	1	UJ	R
1,2-DIBROMO-3-CHLOROPROPANE	1	UJ	R
1,2-DIBROMOETHANE	1	UJ	R
1,2-DICHLOROBENZENE	1	UJ	R
1,2-DICHLOROETHANE	1	UJ	R
1,2-DICHLOROPROPANE	1	UJ	R
1,3-DICHLOROBENZENE	1	UJ	R
1,3-DICHLOROPROPANE	1	UJ	R
1,4-DICHLOROBENZENE	1	UJ	R
2,2-DICHLOROPROPANE	1	UJ	R
2-BUTANONE	5	UJ	R
2-CHLOROETHYL VINYL ETHER	1	UJ	R
2-CHLOROTOLUENE	1	UJ	R
2-HEXANONE	5	UJ	R
4-CHLOROTOLUENE	1	UJ	R
4-ISOPROPYLTOLUENE	1	UJ	R
4-METHYL-2-PENTANONE	5	UJ	R
ACETONE	5	UR	C
BENZENE	1	UJ	R
BROMOBENZENE	1	UJ	R
BROMOCHLOROMETHANE	1	UJ	R

Parameter	Result	Val Qual	Qual Code
BROMODICHLOROMETHANE	1	UJ	R
BROMOFORM	1	UJ	R
BROMOMETHANE	2	UJ	R
CARBON DISULFIDE	1	UJ	R
CARBON TETRACHLORIDE	1	UJ	R
CHLOROBENZENE	1	UJ	R
CHLORODIBROMOMETHANE	1	UJ	R
CHLOROETHANE	2	UJ	R
CHLOROFORM	1	UJ	R
CHLOROMETHANE	2	UJ	R
CIS-1,2-DICHLOROETHENE	1	UJ	R
CIS-1,3-DICHLOROPROPENE	1	UJ	R
DIBROMOMETHANE	1	UJ	R
DICHLORODIFLUOROMETHANE	2	UJ	R
DIISOPROPYL ETHER	1	UJ	R
ETHYL TERT-BUTYL ETHER	1	UJ	R
ETHYLBENZENE	1	UJ	R
HEXACHLOROBUTADIENE	1	UJ	R
ISOPROPYLBENZENE	1	UJ	R
M+P-XYLENES	2	UJ	R
METHYL TERT-BUTYL ETHER	1	J	PR
METHYLENE CHLORIDE	2	UJ	R
NAPHTHALENE	1	UJ	R
N-BUTYLBENZENE	1	UJ	R
N-PROPYLBENZENE	1	UJ	R
O-XYLENE	1	UJ	R
SEC-BUTYLBENZENE	1	UJ	R
STYRENE	1	UJ	R
TERT-AMYL METHYL ETHER	1	UJ	R
TERT-BUTYLBENZENE	1	UJ	R
TERTIARY-BUTYL ALCOHOL	5	UJ	R
TETRACHLOROETHENE	1	UJ	R

Parameter	Result	Val Qual	Qual Code
TOLUENE	1	UJ	R
TOTAL 1,2-DICHLOROETHENE	2	UJ	R
TOTAL XYLENES	3	UJ	CR
TRANS-1,2-DICHLOROETHENE	1	UJ	R
TRANS-1,3-DICHLOROPROPENE	1	UJ	R
TRICHLOROETHENE	1	UJ	R
TRICHLOROFLUOROMETHANE	2	UJ	R
VINYL ACETATE	1	UJ	R
VINYL CHLORIDE	2	UJ	R

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SDG: WV5584 MEDIA: WATER DATA FRACTION: OV

nsample	SW-17-102005	nsample	SW-17-102005	nsample	SW-17-102005
samp_date	10/20/2005	samp_date	10/20/2005	samp_date	10/20/2005
lab_id	WV5584-20	lab_id	WV5584-20	lab_id	WV5584-20
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	1	UJ	R
1,1,1-TRICHLOROETHANE	1	UJ	R
1,1,2,2-TETRACHLOROETHANE	1	UJ	R
1,1,2-TRICHLOROTRIFLUOROETHANE	1	UJ	R
1,1-DICHLOROETHANE	1	UJ	R
1,1-DICHLOROETHENE	1	UJ	R
1,1-DICHLOROPROPENE	1	UJ	R
1,2,3-TRICHLOROBENZENE	1	UJ	R
1,2,3-TRICHLOROPROPANE	1	UJ	R
1,2,3-TRIMETHYLBENZENE	1	UJ	R
1,2,4-TRICHLOROBENZENE	1	UJ	R
1,2,4-TRIMETHYLBENZENE	1	UJ	R
1,2-DIBROMO-3-CHLOROPROPANE	1	UJ	R
1,2-DIBROMOETHANE	1	UJ	R
1,2-DICHLOROBENZENE	1	UJ	R
1,2-DICHLOROETHANE	1	UJ	R
1,2-DICHLOROPROPANE	1	UJ	R
1,3-DICHLOROBENZENE	1	UJ	R
1,3-DICHLOROPROPANE	1	UJ	R
1,4-DICHLOROBENZENE	1	UJ	R
2,2-DICHLOROPROPANE	1	UJ	R
2-BUTANONE	5	UJ	R
2-CHLOROETHYL VINYL ETHER	1	UR	DR
2-CHLOROTOLUENE	1	UJ	R
2-HEXANONE	5	UJ	R
4-CHLOROTOLUENE	1	UJ	R
4-ISOPROPYLTOLUENE	1	UJ	R
4-METHYL-2-PENTANONE	5	UJ	R
ACETONE	5	UR	C
BENZENE	1	UJ	R
BROMOBENZENE	1	UJ	R
BROMOCHLOROMETHANE	1	UJ	R

Parameter	Result	Val Qual	Qual Code
BROMODICHLOROMETHANE	1	UJ	R
BROMOFORM	1	UJ	R
BROMOMETHANE	2	UJ	R
CARBON DISULFIDE	1	UJ	R
CARBON TETRACHLORIDE	1	UJ	R
CHLOROBENZENE	1	UJ	R
CHLORODIBROMOMETHANE	1	UJ	R
CHLOROETHANE	2	UJ	R
CHLOROFORM	1	UJ	R
CHLOROMETHANE	2	UJ	R
CIS-1,2-DICHLOROETHENE	1	UJ	R
CIS-1,3-DICHLOROPROPENE	1	UJ	R
DIBROMOMETHANE	1	UJ	R
DICHLORODIFLUOROMETHANE	2	UJ	R
DIISOPROPYL ETHER	1	UJ	R
ETHYL TERT-BUTYL ETHER	1	UJ	R
ETHYLBENZENE	1	UJ	R
HEXACHLOROBUTADIENE	1	UJ	R
ISOPROPYLBENZENE	1	UJ	R
M+P-XYLENES	2	UJ	R
METHYL TERT-BUTYL ETHER	1	J	PR
METHYLENE CHLORIDE	2	UJ	R
NAPHTHALENE	1	UJ	R
N-BUTYLBENZENE	1	UJ	R
N-PROPYLBENZENE	1	UJ	R
O-XYLENE	1	UJ	R
SEC-BUTYLBENZENE	1	UJ	R
STYRENE	1	UJ	R
TERT-AMYL METHYL ETHER	1	UJ	R
TERT-BUTYLBENZENE	1	UJ	R
TERTIARY-BUTYL ALCOHOL	5	UJ	R
TETRACHLOROETHENE	1	UJ	R

Parameter	Result	Val Qual	Qual Code
TOLUENE	1	UR	D
TOTAL 1,2-DICHLOROETHENE	2	UJ	R
TOTAL XYLENES	3	UJ	CR
TRANS-1,2-DICHLOROETHENE	1	UJ	R
TRANS-1,3-DICHLOROPROPENE	1	UJ	R
TRICHLOROETHENE	1	UJ	R
TRICHLOROFLUOROMETHANE	2	UJ	R
VINYL ACETATE	1	UJ	R
VINYL CHLORIDE	2	UJ	R

PROJ_NO: 00275

SDG: WV5584 MEDIA: WATER DATA FRACTION: OV

nsample	TB102005
samp_date	10/20/2005
lab_id	WV5584-1
qc_type	NM
units	UG/L
Pct_Solids	0.0
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-TRICHLOROTRIFLUOROETHANE	1	U	
1,1-DICHLOROETHANE	1	U	
1,1-DICHLOROETHENE	1	U	
1,1-DICHLOROPROPENE	1	U	
1,2,3-TRICHLOROBENZENE	1	U	
1,2,3-TRICHLOROPROPANE	1	U	
1,2,3-TRIMETHYLBENZENE	1	U	
1,2,4-TRICHLOROBENZENE	1	U	
1,2,4-TRIMETHYLBENZENE	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	
1,3-DICHLOROPROPANE	1	U	
1,4-DICHLOROBENZENE	1	U	
2,2-DICHLOROPROPANE	1	U	
2-BUTANONE	5	U	
2-CHLOROETHYL VINYL ETHER	1	U	
2-CHLOROTOLUENE	1	U	
2-HEXANONE	5	U	
4-CHLOROTOLUENE	1	U	
4-ISOPROPYLTOLUENE	1	U	
4-METHYL-2-PENTANONE	5	U	
ACETONE	4	J	CP
BENZENE	1	U	
BROMOBENZENE	1	U	
BROMOCHLOROMETHANE	1	U	

nsample	TB102005
samp_date	10/20/2005
lab_id	WV5584-1
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BROMODICHLOROMETHANE	1	U	
BROMOFORM	1	U	
BROMOMETHANE	2	U	
CARBON DISULFIDE	1	U	
CARBON TETRACHLORIDE	1	U	
CHLOROBENZENE	1	U	
CHLORODIBROMOMETHANE	1	U	
CHLOROETHANE	2	U	
CHLOROFORM	1	U	
CHLOROMETHANE	2	U	
CIS-1,2-DICHLOROETHENE	1	U	
CIS-1,3-DICHLOROPROPENE	1	U	
DIBROMOMETHANE	1	U	
DICHLORODIFLUOROMETHANE	2	U	
DIISOPROPYL ETHER	1	U	
ETHYL TERT-BUTYL ETHER	1	U	
ETHYLBENZENE	1	U	
HEXACHLOROBUTADIENE	1	U	
ISOPROPYLBENZENE	1	U	
M+P-XYLENES	2	U	
METHYL TERT-BUTYL ETHER	2	U	
METHYLENE CHLORIDE	2	U	
NAPHTHALENE	1	U	
N-BUTYLBENZENE	1	U	
N-PROPYLBENZENE	1	U	
O-XYLENE	1	U	
SEC-BUTYLBENZENE	1	U	
STYRENE	1	U	
TERT-AMYL METHYL ETHER	1	U	
TERT-BUTYLBENZENE	1	U	
TERTIARY-BUTYL ALCOHOL	5	U	
TETRACHLOROETHENE	1	U	

nsample	TB102005
samp_date	10/20/2005
lab_id	WV5584-1
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
TOLUENE	1	U	
TOTAL 1,2-DICHLOROETHENE	2	U	
TOTAL XYLENES	3	UJ	C
TRANS-1,2-DICHLOROETHENE	1	U	
TRANS-1,3-DICHLOROPROPENE	1	U	
TRICHLOROETHENE	1	U	
TRICHLOROFLUOROMETHANE	2	U	
VINYL ACETATE	1	U	
VINYL CHLORIDE	2	U	

PROJ_NO: 00275

SDG: WV5584 MEDIA: WATER DATA FRACTION: OS

nsample	SW-08-102005
samp_date	10/20/2005
lab_id	WV5584-2
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	10	U	
1,2-DICHLOROBENZENE	10	U	
1,3-DICHLOROBENZENE	10	U	
1,4-DICHLOROBENZENE	10	U	
1,4-DIOXANE	10	U	
1-METHYLNAPHTHALENE	10	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	10	U	
2,4,5-TRICHLOROPHENOL	25	U	
2,4,6-TRICHLOROPHENOL	10	U	
2,4-DICHLOROPHENOL	10	U	
2,4-DIMETHYLPHENOL	10	U	
2,4-DINITROPHENOL	25	U	
2,4-DINITROTOLUENE	10	U	
2,6-DINITROTOLUENE	10	U	
2-CHLORONAPHTHALENE	10	U	
2-CHLOROPHENOL	10	U	
2-METHYLNAPHTHALENE	10	U	
2-METHYLPHENOL	10	U	
2-NITROANILINE	25	U	
2-NITROPHENOL	10	U	
3&4-METHYLPHENOL	10	U	
3,3'-DICHLOROBENZIDINE	10	U	
3-NITROANILINE	25	U	
4,6-DINITRO-2-METHYLPHENOL	25	U	
4-BROMOPHENYL PHENYL ETHER	10	U	
4-CHLORO-3-METHYLPHENOL	10	U	
4-CHLOROANILINE	10	U	
4-CHLOROPHENYL PHENYL ETHER	10	U	
4-NITROANILINE	25	U	
4-NITROPHENOL	25	U	
ACENAPHTHENE	10	U	
ACENAPHTHYLENE	10	U	

nsample	SW-08-102005
samp_date	10/20/2005
lab_id	WV5584-2
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANILINE	10	U	
ANTHRACENE	10	U	
AZOBENZENE	10	U	
BENZIDINE	10	U	
BENZO(A)ANTHRACENE	10	U	
BENZO(A)PYRENE	10	U	
BENZO(B)FLUORANTHENE	10	U	
BENZO(G,H,I)PERYLENE	10	U	
BENZO(K)FLUORANTHENE	10	U	
BENZOIC ACID	50	U	
BENZYL ALCOHOL	10	UJ	C
BIS(2-CHLOROETHOXY)METHANE	10	U	
BIS(2-CHLOROETHYL)ETHER	10	U	
BIS(2-ETHYLHEXYL)PHTHALATE	10	U	
BUTYL BENZYL PHTHALATE	10	U	
CARBAZOLE	10	U	
CHRYSENE	10	U	
DIBENZO(A,H)ANTHRACENE	10	U	
DIBENZOFURAN	10	U	
DIETHYL PHTHALATE	10	U	
DIMETHYL PHTHALATE	10	U	
DI-N-BUTYL PHTHALATE	10	U	
DI-N-OCTYL PHTHALATE	10	U	
FLUORANTHENE	10	U	
FLUORENE	10	U	
HEXACHLOROBENZENE	10	U	
HEXACHLOROBUTADIENE	10	U	
HEXACHLOROCYCLOPENTADIENE	10	U	
HEXACHLOROETHANE	10	U	
INDENO(1,2,3-CD)PYRENE	10	U	
ISOPHORONE	10	U	
NAPHTHALENE	10	U	

nsample	SW-08-102005
samp_date	10/20/2005
lab_id	WV5584-2
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
NITROBENZENE	10	U	
N-NITROSODIMETHYLAMINE	10	U	
N-NITROSO-DI-N-PROPYLAMINE	10	U	
N-NITROSODIPHENYLAMINE	10	U	
PENTACHLOROPHENOL	25	U	
PHENANTHRENE	10	U	
PHENOL	10	U	
PYRENE	10	U	
PYRIDINE	10	U	

PROJ_NO: 00275

SDG: WV5584 MEDIA: WATER DATA FRACTION: OS

nsample	SW-09-102005RA
samp_date	10/20/2005
lab_id	WV5584-4RA
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	10	UL	R
1,2-DICHLOROBENZENE	10	UL	R
1,3-DICHLOROBENZENE	10	UL	R
1,4-DICHLOROBENZENE	10	UL	R
1,4-DIOXANE	10	UL	R
1-METHYLNAPHTHALENE	10	UL	R
2,2'-OXYBIS(1-CHLOROPROPANE)	10	UL	R
2,4,5-TRICHLOROPHENOL	25	U	
2,4,6-TRICHLOROPHENOL	10	U	
2,4-DICHLOROPHENOL	10	U	
2,4-DIMETHYLPHENOL	10	U	
2,4-DINITROPHENOL	25	U	
2,4-DINITROTOLUENE	10	UL	R
2,6-DINITROTOLUENE	10	UL	R
2-CHLORONAPHTHALENE	10	UL	R
2-CHLOROPHENOL	10	U	
2-METHYLNAPHTHALENE	10	UL	R
2-METHYLPHENOL	10	U	
2-NITROANILINE	25	UL	R
2-NITROPHENOL	10	U	
3&4-METHYLPHENOL	10	U	
3,3'-DICHLOROBENZIDINE	10	UL	R
3-NITROANILINE	25	UL	R
4,6-DINITRO-2-METHYLPHENOL	25	U	
4-BROMOPHENYL PHENYL ETHER	10	UL	R
4-CHLORO-3-METHYLPHENOL	10	U	
4-CHLOROANILINE	10	UL	R
4-CHLOROPHENYL PHENYL ETHER	10	UL	R
4-NITROANILINE	25	UL	R
4-NITROPHENOL	25	U	
ACENAPHTHENE	10	UL	R
ACENAPHTHYLENE	10	UL	R

nsample	SW-09-102005RA
samp_date	10/20/2005
lab_id	WV5584-4RA
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANILINE	10	UL	R
ANTHRACENE	10	UL	R
AZOBENZENE	10	UL	R
BENZIDINE	10	UL	R
BENZO(A)ANTHRACENE	10	UL	R
BENZO(A)PYRENE	10	UL	R
BENZO(B)FLUORANTHENE	10	UL	R
BENZO(G,H,I)PERYLENE	10	UL	R
BENZO(K)FLUORANTHENE	10	UL	R
BENZOIC ACID	50	U	
BENZYL ALCOHOL	10	UL	CR
BIS(2-CHLOROETHOXY)METHANE	10	UL	R
BIS(2-CHLOROETHYL)ETHER	10	UL	R
BIS(2-ETHYLHEXYL)PHTHALATE	10	UL	R
BUTYL BENZYL PHTHALATE	10	UL	R
CARBAZOLE	10	UL	R
CHRYSENE	10	UL	R
DIBENZO(A,H)ANTHRACENE	10	UL	R
DIBENZOFURAN	10	UL	R
DIETHYL PHTHALATE	10	UL	R
DIMETHYL PHTHALATE	10	UL	R
DI-N-BUTYL PHTHALATE	10	UL	R
DI-N-OCTYL PHTHALATE	10	UL	R
FLUORANTHENE	10	UL	R
FLUORENE	10	UL	R
HEXACHLOROBENZENE	10	UL	R
HEXACHLOROBUTADIENE	10	UL	R
HEXACHLOROCYCLOPENTADIENE	10	UL	R
HEXACHLOROETHANE	10	UL	R
INDENO(1,2,3-CD)PYRENE	10	UL	R
ISOPHORONE	10	UL	R
NAPHTHALENE	10	UL	R

nsample	SW-09-102005RA
samp_date	10/20/2005
lab_id	WV5584-4RA
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
NITROBENZENE	10	UL	R
N-NITROSODIMETHYLAMINE	10	UL	R
N-NITROSO-DI-N-PROPYLAMINE	10	UL	R
N-NITROSODIPHENYLAMINE	10	UL	R
PENTACHLOROPHENOL	25	U	
PHENANTHRENE	10	UL	R
PHENOL	10	U	
PYRENE	10	UL	R
PYRIDINE	10	UL	R

PROJ_NO: 00275

SDG: WV5584 MEDIA: WATER DATA FRACTION: OS

nsample	SW-10-102005
samp_date	10/20/2005
lab_id	WV5584-6
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	10	U	
1,2-DICHLOROBENZENE	10	U	
1,3-DICHLOROBENZENE	10	U	
1,4-DICHLOROBENZENE	10	U	
1,4-DIOXANE	10	U	
1-METHYLNAPHTHALENE	10	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	10	U	
2,4,5-TRICHLOROPHENOL	25	U	
2,4,6-TRICHLOROPHENOL	10	U	
2,4-DICHLOROPHENOL	10	U	
2,4-DIMETHYLPHENOL	10	U	
2,4-DINITROPHENOL	25	U	
2,4-DINITROTOLUENE	10	U	
2,6-DINITROTOLUENE	10	U	
2-CHLORONAPHTHALENE	10	U	
2-CHLOROPHENOL	10	U	
2-METHYLNAPHTHALENE	10	U	
2-METHYLPHENOL	10	U	
2-NITROANILINE	25	U	
2-NITROPHENOL	10	U	
3&4-METHYLPHENOL	10	U	
3,3'-DICHLOROBENZIDINE	10	U	
3-NITROANILINE	25	U	
4,6-DINITRO-2-METHYLPHENOL	25	U	
4-BROMOPHENYL PHENYL ETHER	10	U	
4-CHLORO-3-METHYLPHENOL	10	U	
4-CHLOROANILINE	10	U	
4-CHLOROPHENYL PHENYL ETHER	10	U	
4-NITROANILINE	25	U	
4-NITROPHENOL	25	U	
ACENAPHTHENE	10	U	
ACENAPHTHYLENE	10	U	

nsample	SW-10-102005
samp_date	10/20/2005
lab_id	WV5584-6
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANILINE	10	U	
ANTHRACENE	10	U	
AZOBENZENE	10	U	
BENZIDINE	10	U	
BENZO(A)ANTHRACENE	10	U	
BENZO(A)PYRENE	10	U	
BENZO(B)FLUORANTHENE	10	U	
BENZO(G,H,I)PERYLENE	10	U	
BENZO(K)FLUORANTHENE	10	U	
BENZOIC ACID	50	U	
BENZYL ALCOHOL	10	UJ	C
BIS(2-CHLOROETHOXY)METHANE	10	U	
BIS(2-CHLOROETHYL)ETHER	10	U	
BIS(2-ETHYLHEXYL)PHTHALATE	10	U	
BUTYL BENZYL PHTHALATE	10	U	
CARBAZOLE	10	U	
CHRYSENE	10	U	
DIBENZO(A,H)ANTHRACENE	10	U	
DIBENZOFURAN	10	U	
DIETHYL PHTHALATE	10	U	
DIMETHYL PHTHALATE	10	U	
DI-N-BUTYL PHTHALATE	10	U	
DI-N-OCTYL PHTHALATE	10	U	
FLUORANTHENE	10	U	
FLUORENE	10	U	
HEXACHLOROBENZENE	10	U	
HEXACHLOROBUTADIENE	10	U	
HEXACHLOROCYCLOPENTADIENE	10	U	
HEXACHLOROETHANE	10	U	
INDENO(1,2,3-CD)PYRENE	10	U	
ISOPHORONE	10	U	
NAPHTHALENE	10	U	

nsample	SW-10-102005
samp_date	10/20/2005
lab_id	WV5584-6
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
NITROBENZENE	10	U	
N-NITROSODIMETHYLAMINE	10	U	
N-NITROSO-DI-N-PROPYLAMINE	10	U	
N-NITROSODIPHENYLAMINE	10	U	
PENTACHLOROPHENOL	25	U	
PHENANTHRENE	10	U	
PHENOL	10	U	
PYRENE	10	U	
PYRIDINE	10	U	

PROJ_NO: 00275

SDG: WV5584 MEDIA: WATER DATA FRACTION: OS

nsample	SW-11-102005	nsample	SW-11-102005	nsample	SW-11-102005
samp_date	10/20/2005	samp_date	10/20/2005	samp_date	10/20/2005
lab_id	WV5584-8	lab_id	WV5584-8	lab_id	WV5584-8
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-TRICHLOROBENZENE	10	U	
1,2-DICHLOROBENZENE	10	U	
1,3-DICHLOROBENZENE	10	U	
1,4-DICHLOROBENZENE	10	U	
1,4-DIOXANE	10	U	
1-METHYLNAPHTHALENE	10	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	10	U	
2,4,5-TRICHLOROPHENOL	25	U	
2,4,6-TRICHLOROPHENOL	10	U	
2,4-DICHLOROPHENOL	10	U	
2,4-DIMETHYLPHENOL	10	U	
2,4-DINITROPHENOL	25	U	
2,4-DINITROTOLUENE	10	U	
2,6-DINITROTOLUENE	10	U	
2-CHLORONAPHTHALENE	10	U	
2-CHLOROPHENOL	10	U	
2-METHYLNAPHTHALENE	10	U	
2-METHYLPHENOL	10	U	
2-NITROANILINE	25	U	
2-NITROPHENOL	10	U	
3&4-METHYLPHENOL	10	U	
3,3'-DICHLOROBENZIDINE	10	U	
3-NITROANILINE	25	U	
4,6-DINITRO-2-METHYLPHENOL	25	U	
4-BROMOPHENYL PHENYL ETHER	10	U	
4-CHLORO-3-METHYLPHENOL	10	U	
4-CHLOROANILINE	10	U	
4-CHLOROPHENYL PHENYL ETHER	10	U	
4-NITROANILINE	25	U	
4-NITROPHENOL	25	U	
ACENAPHTHENE	10	U	
ACENAPHTHYLENE	10	U	

Parameter	Result	Val Qual	Qual Code
ANILINE	10	U	
ANTHRACENE	10	U	
AZOBENZENE	10	U	
BENZIDINE	10	U	
BENZO(A)ANTHRACENE	10	U	
BENZO(A)PYRENE	10	U	
BENZO(B)FLUORANTHENE	10	U	
BENZO(G,H,I)PERYLENE	10	U	
BENZO(K)FLUORANTHENE	10	U	
BENZOIC ACID	50	U	
BENZYL ALCOHOL	10	UJ	C
BIS(2-CHLOROETHOXY)METHANE	10	U	
BIS(2-CHLOROETHYL)ETHER	10	U	
BIS(2-ETHYLHEXYL)PHTHALATE	10	U	
BUTYL BENZYL PHTHALATE	10	U	
CARBAZOLE	10	U	
CHRYSENE	10	U	
DIBENZO(A,H)ANTHRACENE	10	U	
DIBENZOFURAN	10	U	
DIETHYL PHTHALATE	10	U	
DIMETHYL PHTHALATE	10	U	
DI-N-BUTYL PHTHALATE	10	U	
DI-N-OCTYL PHTHALATE	10	U	
FLUORANTHENE	10	U	
FLUORENE	10	U	
HEXACHLOROBENZENE	10	U	
HEXACHLOROBUTADIENE	10	U	
HEXACHLOROCYCLOPENTADIENE	10	U	
HEXACHLOROETHANE	10	U	
INDENO(1,2,3-CD)PYRENE	10	U	
ISOPHORONE	10	U	
NAPHTHALENE	10	U	

Parameter	Result	Val Qual	Qual Code
NITROBENZENE	10	U	
N-NITROSODIMETHYLAMINE	10	U	
N-NITROSO-DI-N-PROPYLAMINE	10	U	
N-NITROSODIPHENYLAMINE	10	U	
PENTACHLOROPHENOL	25	U	
PHENANTHRENE	10	U	
PHENOL	10	U	
PYRENE	10	U	
PYRIDINE	10	U	

PROJ_NO: 00275

SDG: WV5584 MEDIA: WATER DATA FRACTION: OS

nsample	SW-12-102005	nsample	SW-12-102005	nsample	SW-12-102005
samp_date	10/20/2005	samp_date	10/20/2005	samp_date	10/20/2005
lab_id	WV5584-10	lab_id	WV5584-10	lab_id	WV5584-10
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-TRICHLOROBENZENE	10	U	
1,2-DICHLOROBENZENE	10	U	
1,3-DICHLOROBENZENE	10	U	
1,4-DICHLOROBENZENE	10	U	
1,4-DIOXANE	10	U	
1-METHYLNAPHTHALENE	10	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	10	U	
2,4,5-TRICHLOROPHENOL	25	U	
2,4,6-TRICHLOROPHENOL	10	U	
2,4-DICHLOROPHENOL	10	U	
2,4-DIMETHYLPHENOL	10	U	
2,4-DINITROPHENOL	25	U	
2,4-DINITROTOLUENE	10	U	
2,6-DINITROTOLUENE	10	U	
2-CHLORONAPHTHALENE	10	U	
2-CHLOROPHENOL	10	U	
2-METHYLNAPHTHALENE	10	U	
2-METHYLPHENOL	10	U	
2-NITROANILINE	25	U	
2-NITROPHENOL	10	U	
3&4-METHYLPHENOL	10	U	
3,3'-DICHLOROBENZIDINE	10	U	
3-NITROANILINE	25	U	
4,6-DINITRO-2-METHYLPHENOL	25	U	
4-BROMOPHENYL PHENYL ETHER	10	U	
4-CHLORO-3-METHYLPHENOL	10	U	
4-CHLOROANILINE	10	U	
4-CHLOROPHENYL PHENYL ETHER	10	U	
4-NITROANILINE	25	U	
4-NITROPHENOL	25	U	
ACENAPHTHENE	10	U	
ACENAPHTHYLENE	10	U	

Parameter	Result	Val Qual	Qual Code
ANILINE	10	U	
ANTHRACENE	10	U	
AZOBENZENE	10	U	
BENZIDINE	10	U	
BENZO(A)ANTHRACENE	10	U	
BENZO(A)PYRENE	10	U	
BENZO(B)FLUORANTHENE	10	U	
BENZO(G,H,I)PERYLENE	10	U	
BENZO(K)FLUORANTHENE	10	U	
BENZOIC ACID	50	U	
BENZYL ALCOHOL	10	UJ	C
BIS(2-CHLOROETHOXY)METHANE	10	U	
BIS(2-CHLOROETHYL)ETHER	10	U	
BIS(2-ETHYLHEXYL)PHTHALATE	10	U	
BUTYL BENZYL PHTHALATE	10	U	
CARBAZOLE	10	U	
CHRYSENE	10	U	
DIBENZO(A,H)ANTHRACENE	10	U	
DIBENZOFURAN	10	U	
DIETHYL PHTHALATE	10	U	
DIMETHYL PHTHALATE	10	U	
DI-N-BUTYL PHTHALATE	10	U	
DI-N-OCTYL PHTHALATE	10	U	
FLUORANTHENE	10	U	
FLUORENE	10	U	
HEXACHLOROBENZENE	10	U	
HEXACHLOROBUTADIENE	10	U	
HEXACHLOROCYCLOPENTADIENE	10	U	
HEXACHLOROETHANE	10	U	
INDENO(1,2,3-CD)PYRENE	10	U	
ISOPHORONE	10	U	
NAPHTHALENE	10	U	

Parameter	Result	Val Qual	Qual Code
NITROBENZENE	10	U	
N-NITROSODIMETHYLAMINE	10	U	
N-NITROSO-DI-N-PROPYLAMINE	10	U	
N-NITROSODIPHENYLAMINE	10	U	
PENTACHLOROPHENOL	25	U	
PHENANTHRENE	10	U	
PHENOL	10	U	
PYRENE	10	U	
PYRIDINE	10	U	

PROJ_NO: 00275

SDG: WV5584 MEDIA: WATER DATA FRACTION: OS

nsample	SW-13-102005	nsample	SW-13-102005	nsample	SW-13-102005
samp_date	10/20/2005	samp_date	10/20/2005	samp_date	10/20/2005
lab_id	WV5584-12	lab_id	WV5584-12	lab_id	WV5584-12
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-TRICHLOROBENZENE	10	U	
1,2-DICHLOROBENZENE	10	U	
1,3-DICHLOROBENZENE	10	U	
1,4-DICHLOROBENZENE	10	U	
1,4-DIOXANE	10	U	
1-METHYLNAPHTHALENE	10	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	10	U	
2,4,5-TRICHLOROPHENOL	25	U	
2,4,6-TRICHLOROPHENOL	10	U	
2,4-DICHLOROPHENOL	10	U	
2,4-DIMETHYLPHENOL	10	U	
2,4-DINITROPHENOL	25	U	
2,4-DINITROTOLUENE	10	U	
2,6-DINITROTOLUENE	10	U	
2-CHLORONAPHTHALENE	10	U	
2-CHLOROPHENOL	10	U	
2-METHYLNAPHTHALENE	10	U	
2-METHYLPHENOL	10	U	
2-NITROANILINE	25	U	
2-NITROPHENOL	10	U	
3&4-METHYLPHENOL	10	U	
3,3'-DICHLOROBENZIDINE	10	U	
3-NITROANILINE	25	U	
4,6-DINITRO-2-METHYLPHENOL	25	U	
4-BROMOPHENYL PHENYL ETHER	10	U	
4-CHLORO-3-METHYLPHENOL	10	U	
4-CHLOROANILINE	10	U	
4-CHLOROPHENYL PHENYL ETHER	10	U	
4-NITROANILINE	25	U	
4-NITROPHENOL	25	U	
ACENAPHTHENE	10	U	
ACENAPHTHYLENE	10	U	

Parameter	Result	Val Qual	Qual Code
ANILINE	10	U	
ANTHRACENE	10	U	
AZOBENZENE	10	U	
BENZIDINE	10	U	
BENZO(A)ANTHRACENE	10	U	
BENZO(A)PYRENE	10	U	
BENZO(B)FLUORANTHENE	10	U	
BENZO(G,H,I)PERYLENE	10	U	
BENZO(K)FLUORANTHENE	10	U	
BENZOIC ACID	50	U	
BENZYL ALCOHOL	10	UJ	C
BIS(2-CHLOROETHOXY)METHANE	10	U	
BIS(2-CHLOROETHYL)ETHER	10	U	
BIS(2-ETHYLHEXYL)PHTHALATE	10	U	
BUTYL BENZYL PHTHALATE	10	U	
CARBAZOLE	10	U	
CHRYSENE	10	U	
DIBENZO(A,H)ANTHRACENE	10	U	
DIBENZOFURAN	10	U	
DIETHYL PHTHALATE	10	U	
DIMETHYL PHTHALATE	10	U	
DI-N-BUTYL PHTHALATE	10	U	
DI-N-OCTYL PHTHALATE	10	U	
FLUORANTHENE	10	U	
FLUORENE	10	U	
HEXACHLOROBENZENE	10	U	
HEXACHLOROBUTADIENE	10	U	
HEXACHLOROCYCLOPENTADIENE	10	U	
HEXACHLOROETHANE	10	U	
INDENO(1,2,3-CD)PYRENE	10	U	
ISOPHORONE	10	U	
NAPHTHALENE	10	U	

Parameter	Result	Val Qual	Qual Code
NITROBENZENE	10	U	
N-NITROSODIMETHYLAMINE	10	U	
N-NITROSO-DI-N-PROPYLAMINE	10	U	
N-NITROSODIPHENYLAMINE	10	U	
PENTACHLOROPHENOL	25	U	
PHENANTHRENE	10	U	
PHENOL	10	U	
PYRENE	10	U	
PYRIDINE	10	U	

PROJ_NO: 00275

SDG: WV5584 MEDIA: WATER DATA FRACTION: OS

nsample	SW-14-102005	nsample	SW-14-102005	nsample	SW-14-102005
samp_date	10/20/2005	samp_date	10/20/2005	samp_date	10/20/2005
lab_id	WV5584-14	lab_id	WV5584-14	lab_id	WV5584-14
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-TRICHLOROBENZENE	10	U	
1,2-DICHLOROBENZENE	10	U	
1,3-DICHLOROBENZENE	10	U	
1,4-DICHLOROBENZENE	10	U	
1,4-DIOXANE	10	U	
1-METHYLNAPHTHALENE	10	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	10	U	
2,4,5-TRICHLOROPHENOL	25	U	
2,4,6-TRICHLOROPHENOL	10	U	
2,4-DICHLOROPHENOL	10	U	
2,4-DIMETHYLPHENOL	10	U	
2,4-DINITROPHENOL	25	U	
2,4-DINITROTOLUENE	10	U	
2,6-DINITROTOLUENE	10	U	
2-CHLORONAPHTHALENE	10	U	
2-CHLOROPHENOL	10	U	
2-METHYLNAPHTHALENE	10	U	
2-METHYLPHENOL	10	U	
2-NITROANILINE	25	U	
2-NITROPHENOL	10	U	
3&4-METHYLPHENOL	10	U	
3,3'-DICHLOROBENZIDINE	10	U	
3-NITROANILINE	25	U	
4,6-DINITRO-2-METHYLPHENOL	25	U	
4-BROMOPHENYL PHENYL ETHER	10	U	
4-CHLORO-3-METHYLPHENOL	10	U	
4-CHLOROANILINE	10	U	
4-CHLOROPHENYL PHENYL ETHER	10	U	
4-NITROANILINE	25	U	
4-NITROPHENOL	25	U	
ACENAPHTHENE	10	U	
ACENAPHTHYLENE	10	U	

Parameter	Result	Val Qual	Qual Code
ANILINE	10	U	
ANTHRACENE	10	U	
AZOBENZENE	10	U	
BENZIDINE	10	U	
BENZO(A)ANTHRACENE	10	U	
BENZO(A)PYRENE	10	U	
BENZO(B)FLUORANTHENE	10	U	
BENZO(G,H,I)PERYLENE	10	U	
BENZO(K)FLUORANTHENE	10	U	
BENZOIC ACID	50	U	
BENZYL ALCOHOL	10	UJ	C
BIS(2-CHLOROETHOXY)METHANE	10	U	
BIS(2-CHLOROETHYL)ETHER	10	U	
BIS(2-ETHYLHEXYL)PHTHALATE	10	U	
BUTYL BENZYL PHTHALATE	10	U	
CARBAZOLE	10	U	
CHRYSENE	10	U	
DIBENZO(A,H)ANTHRACENE	10	U	
DIBENZOFURAN	10	U	
DIETHYL PHTHALATE	10	U	
DIMETHYL PHTHALATE	10	U	
DI-N-BUTYL PHTHALATE	10	U	
DI-N-OCTYL PHTHALATE	10	U	
FLUORANTHENE	10	U	
FLUORENE	10	U	
HEXACHLOROBENZENE	10	U	
HEXACHLOROBUTADIENE	10	U	
HEXACHLOROCYCLOPENTADIENE	10	U	
HEXACHLOROETHANE	10	U	
INDENO(1,2,3-CD)PYRENE	10	U	
ISOPHORONE	10	U	
NAPHTHALENE	10	U	

Parameter	Result	Val Qual	Qual Code
NITROBENZENE	10	U	
N-NITROSODIMETHYLAMINE	10	U	
N-NITROSO-DI-N-PROPYLAMINE	10	U	
N-NITROSODIPHENYLAMINE	10	U	
PENTACHLOROPHENOL	25	U	
PHENANTHRENE	10	U	
PHENOL	10	U	
PYRENE	10	U	
PYRIDINE	10	U	

PROJ_NO: 00275

SDG: WV5584 MEDIA: WATER DATA FRACTION: OS

nsample	SW-15-102005	nsample	SW-15-102005	nsample	SW-15-102005
samp_date	10/20/2005	samp_date	10/20/2005	samp_date	10/20/2005
lab_id	WV5584-16	lab_id	WV5584-16	lab_id	WV5584-16
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-TRICHLOROBENZENE	10	U	
1,2-DICHLOROBENZENE	10	U	
1,3-DICHLOROBENZENE	10	U	
1,4-DICHLOROBENZENE	10	U	
1,4-DIOXANE	10	U	
1-METHYLNAPHTHALENE	10	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	10	U	
2,4,5-TRICHLOROPHENOL	25	U	
2,4,6-TRICHLOROPHENOL	10	U	
2,4-DICHLOROPHENOL	10	U	
2,4-DIMETHYLPHENOL	10	U	
2,4-DINITROPHENOL	25	U	
2,4-DINITROTOLUENE	10	U	
2,6-DINITROTOLUENE	10	U	
2-CHLORONAPHTHALENE	10	U	
2-CHLOROPHENOL	10	U	
2-METHYLNAPHTHALENE	10	U	
2-METHYLPHENOL	10	U	
2-NITROANILINE	25	U	
2-NITROPHENOL	10	U	
3&4-METHYLPHENOL	10	U	
3,3'-DICHLOROBENZIDINE	10	U	
3-NITROANILINE	25	U	
4,6-DINITRO-2-METHYLPHENOL	25	U	
4-BROMOPHENYL PHENYL ETHER	10	U	
4-CHLORO-3-METHYLPHENOL	10	U	
4-CHLOROANILINE	10	U	
4-CHLOROPHENYL PHENYL ETHER	10	U	
4-NITROANILINE	25	U	
4-NITROPHENOL	25	U	
ACENAPHTHENE	10	U	
ACENAPHTHYLENE	10	U	

Parameter	Result	Val Qual	Qual Code
ANILINE	10	U	
ANTHRACENE	10	U	
AZOBENZENE	10	U	
BENZIDINE	10	U	
BENZO(A)ANTHRACENE	10	U	
BENZO(A)PYRENE	10	U	
BENZO(B)FLUORANTHENE	10	U	
BENZO(G,H,I)PERYLENE	10	U	
BENZO(K)FLUORANTHENE	10	U	
BENZOIC ACID	50	U	
BENZYL ALCOHOL	10	UJ	C
BIS(2-CHLOROETHOXY)METHANE	10	U	
BIS(2-CHLOROETHYL)ETHER	10	U	
BIS(2-ETHYLHEXYL)PHTHALATE	10	U	
BUTYL BENZYL PHTHALATE	10	U	
CARBAZOLE	10	U	
CHRYSENE	10	U	
DIBENZO(A,H)ANTHRACENE	10	U	
DIBENZOFURAN	10	U	
DIETHYL PHTHALATE	10	U	
DIMETHYL PHTHALATE	10	U	
DI-N-BUTYL PHTHALATE	10	U	
DI-N-OCTYL PHTHALATE	10	U	
FLUORANTHENE	10	U	
FLUORENE	10	U	
HEXACHLOROBENZENE	10	U	
HEXACHLOROBUTADIENE	10	U	
HEXACHLOROCYCLOPENTADIENE	10	U	
HEXACHLOROETHANE	10	U	
INDENO(1,2,3-CD)PYRENE	10	U	
ISOPHORONE	10	U	
NAPHTHALENE	10	U	

Parameter	Result	Val Qual	Qual Code
NITROBENZENE	10	U	
N-NITROSODIMETHYLAMINE	10	U	
N-NITROSO-DI-N-PROPYLAMINE	10	U	
N-NITROSODIPHENYLAMINE	10	U	
PENTACHLOROPHENOL	25	U	
PHENANTHRENE	10	U	
PHENOL	10	U	
PYRENE	10	U	
PYRIDINE	10	U	

PROJ_NO: 00275

SDG: WV5584 MEDIA: WATER DATA FRACTION: OS

nsample	SW-16-102005
samp_date	10/20/2005
lab_id	WV5584-18
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
1,2,4-TRICHLOROBENZENE	10	U	
1,2-DICHLOROBENZENE	10	U	
1,3-DICHLOROBENZENE	10	U	
1,4-DICHLOROBENZENE	10	U	
1,4-DIOXANE	10	U	
1-METHYLNAPHTHALENE	10	U	
2,2'-OXYBIS(1-CHLOROPROPANE)	10	U	
2,4,5-TRICHLOROPHENOL	25	U	
2,4,6-TRICHLOROPHENOL	10	U	
2,4-DICHLOROPHENOL	10	U	
2,4-DIMETHYLPHENOL	10	U	
2,4-DINITROPHENOL	25	U	
2,4-DINITROTOLUENE	10	U	
2,6-DINITROTOLUENE	10	U	
2-CHLORONAPHTHALENE	10	U	
2-CHLOROPHENOL	10	U	
2-METHYLNAPHTHALENE	10	U	
2-METHYLPHENOL	10	U	
2-NITROANILINE	25	U	
2-NITROPHENOL	10	U	
3&4-METHYLPHENOL	10	U	
3,3'-DICHLOROBENZIDINE	10	U	
3-NITROANILINE	25	U	
4,6-DINITRO-2-METHYLPHENOL	25	U	
4-BROMOPHENYL PHENYL ETHER	10	U	
4-CHLORO-3-METHYLPHENOL	10	U	
4-CHLOROANILINE	10	U	
4-CHLOROPHENYL PHENYL ETHER	10	U	
4-NITROANILINE	25	U	
4-NITROPHENOL	25	U	
ACENAPHTHENE	10	U	
ACENAPHTHYLENE	10	U	

nsample	SW-16-102005
samp_date	10/20/2005
lab_id	WV5584-18
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANILINE	10	U	
ANTHRACENE	10	U	
AZOBENZENE	10	U	
BENZIDINE	10	U	
BENZO(A)ANTHRACENE	10	U	
BENZO(A)PYRENE	10	U	
BENZO(B)FLUORANTHENE	10	U	
BENZO(G,H,I)PERYLENE	10	U	
BENZO(K)FLUORANTHENE	10	U	
BENZOIC ACID	50	U	
BENZYL ALCOHOL	10	UJ	C
BIS(2-CHLOROETHOXY)METHANE	10	U	
BIS(2-CHLOROETHYL)ETHER	10	U	
BIS(2-ETHYLHEXYL)PHTHALATE	10	U	
BUTYL BENZYL PHTHALATE	10	U	
CARBAZOLE	10	U	
CHRYSENE	10	U	
DIBENZO(A,H)ANTHRACENE	10	U	
DIBENZOFURAN	10	U	
DIETHYL PHTHALATE	10	U	
DIMETHYL PHTHALATE	10	U	
DI-N-BUTYL PHTHALATE	10	U	
DI-N-OCTYL PHTHALATE	10	U	
FLUORANTHENE	10	U	
FLUORENE	10	U	
HEXACHLOROBENZENE	10	U	
HEXACHLOROBUTADIENE	10	U	
HEXACHLOROCYCLOPENTADIENE	10	U	
HEXACHLOROETHANE	10	U	
INDENO(1,2,3-CD)PYRENE	10	U	
ISOPHORONE	10	U	
NAPHTHALENE	10	U	

nsample	SW-16-102005
samp_date	10/20/2005
lab_id	WV5584-18
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
NITROBENZENE	10	U	
N-NITROSODIMETHYLAMINE	10	U	
N-NITROSO-DI-N-PROPYLAMINE	10	U	
N-NITROSODIPHENYLAMINE	10	U	
PENTACHLOROPHENOL	25	U	
PHENANTHRENE	10	U	
PHENOL	10	U	
PYRENE	10	U	
PYRIDINE	10	U	

PROJ_NO: 00275

SDG: WV5584 MEDIA: WATER DATA FRACTION: OS

nsample	SW-17-102005RA	nsample	SW-17-102005RA	nsample	SW-17-102005RA
samp_date	10/20/2005	samp_date	10/20/2005	samp_date	10/20/2005
lab_id	WV5584-20RA	lab_id	WV5584-20RA	lab_id	WV5584-20RA
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-TRICHLOROBENZENE	10	UJ	D
1,2-DICHLOROBENZENE	10	UJ	D
1,3-DICHLOROBENZENE	10	UJ	D
1,4-DICHLOROBENZENE	10	UJ	D
1,4-DIOXANE	10	UJ	D
1-METHYLNAPHTHALENE	10	UJ	D
2,2'-OXYBIS(1-CHLOROPROPANE)	10	UJ	D
2,4,5-TRICHLOROPHENOL	25	UJ	D
2,4,6-TRICHLOROPHENOL	10	UJ	D
2,4-DICHLOROPHENOL	10	UJ	D
2,4-DIMETHYLPHENOL	10	UJ	D
2,4-DINITROPHENOL	25	UJ	D
2,4-DINITROTOLUENE	10	UJ	D
2,6-DINITROTOLUENE	10	UJ	D
2-CHLORONAPHTHALENE	10	UJ	D
2-CHLOROPHENOL	10	UJ	D
2-METHYLNAPHTHALENE	10	UJ	D
2-METHYLPHENOL	10	UJ	D
2-NITROANILINE	25	UJ	D
2-NITROPHENOL	10	UJ	D
3&4-METHYLPHENOL	10	UJ	D
3,3'-DICHLOROBENZIDINE	10	UJ	D
3-NITROANILINE	25	UJ	D
4,6-DINITRO-2-METHYLPHENOL	25	UJ	D
4-BROMOPHENYL PHENYL ETHER	10	UJ	D
4-CHLORO-3-METHYLPHENOL	10	UJ	D
4-CHLOROANILINE	10	UJ	D
4-CHLOROPHENYL PHENYL ETHER	10	UJ	D
4-NITROANILINE	25	UJ	D
4-NITROPHENOL	25	UJ	D
ACENAPHTHENE	10	UJ	D
ACENAPHTHYLENE	10	UJ	D

Parameter	Result	Val Qual	Qual Code
ANILINE	10	UJ	D
ANTHRACENE	10	UJ	D
AZOBENZENE	10	UJ	D
BENZIDINE	10	UR	D
BENZO(A)ANTHRACENE	10	UJ	D
BENZO(A)PYRENE	10	UJ	D
BENZO(B)FLUORANTHENE	10	UJ	D
BENZO(G,H,I)PERYLENE	10	UJ	D
BENZO(K)FLUORANTHENE	10	UJ	D
BENZOIC ACID	50	UR	D
BENZYL ALCOHOL	10	UJ	CD
BIS(2-CHLOROETHOXY)METHANE	10	UJ	D
BIS(2-CHLOROETHYL)ETHER	10	UJ	D
BIS(2-ETHYLHEXYL)PHTHALATE	10	UJ	D
BUTYL BENZYL PHTHALATE	10	UJ	D
CARBAZOLE	10	UJ	D
CHRYSENE	10	UJ	D
DIBENZO(A,H)ANTHRACENE	10	UJ	D
DIBENZOFURAN	10	UJ	D
DIETHYL PHTHALATE	10	UJ	D
DIMETHYL PHTHALATE	10	UJ	D
DI-N-BUTYL PHTHALATE	10	UJ	D
DI-N-OCTYL PHTHALATE	10	UJ	D
FLUORANTHENE	10	UJ	D
FLUORENE	10	UJ	D
HEXACHLOROBENZENE	10	UJ	D
HEXACHLOROBUTADIENE	10	UJ	D
HEXACHLOROCYCLOPENTADIENE	10	UJ	D
HEXACHLOROETHANE	10	UJ	D
INDENO(1,2,3-CD)PYRENE	10	UJ	D
ISOPHORONE	10	UJ	D
NAPHTHALENE	10	UJ	D

Parameter	Result	Val Qual	Qual Code
NITROBENZENE	10	UJ	D
N-NITROSODIMETHYLAMINE	10	UJ	D
N-NITROSO-DI-N-PROPYLAMINE	10	UJ	D
N-NITROSODIPHENYLAMINE	10	UJ	D
PENTACHLOROPHENOL	25	UJ	D
PHENANTHRENE	10	UJ	D
PHENOL	10	UJ	D
PYRENE	10	UJ	D
PYRIDINE	10	UJ	D

PROJ_NO: 00275

SDG: WV5584 MEDIA: WATER DATA FRACTION: PEST/PCB

nsample	SW-08-102005	nsample	SW-09-102005	nsample	SW-10-102005
samp_date	10/20/2005	samp_date	10/20/2005	samp_date	10/20/2005
lab_id	WV5584-2	lab_id	WV5584-4	lab_id	WV5584-6
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	Val Qual	Qual Code
AROCLOR-1016	0.5	UJ	R
AROCLOR-1221	0.5	UJ	R
AROCLOR-1232	0.5	UJ	R
AROCLOR-1242	0.5	UJ	R
AROCLOR-1248	0.5	UJ	R
AROCLOR-1254	0.5	UJ	R
AROCLOR-1260	0.5	UJ	R

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	0.5	U	
AROCLOR-1221	0.5	U	
AROCLOR-1232	0.5	U	
AROCLOR-1242	0.5	U	
AROCLOR-1248	0.5	U	
AROCLOR-1254	0.5	U	
AROCLOR-1260	0.5	U	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	0.5	U	
AROCLOR-1221	0.5	U	
AROCLOR-1232	0.5	U	
AROCLOR-1242	0.5	U	
AROCLOR-1248	0.5	U	
AROCLOR-1254	0.5	U	
AROCLOR-1260	0.5	U	

PROJ_NO: 00275

SDG: WV5584 MEDIA: WATER DATA FRACTION: PEST/PCB

nsample	SW-11-102005	nsample	SW-12-102005	nsample	SW-13-102005
samp_date	10/20/2005	samp_date	10/20/2005	samp_date	10/20/2005
lab_id	WV5584-8	lab_id	WV5584-10	lab_id	WV5584-12
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
AROCLOR-1016	0.5	U	
AROCLOR-1221	0.5	U	
AROCLOR-1232	0.5	U	
AROCLOR-1242	0.5	U	
AROCLOR-1248	0.5	U	
AROCLOR-1254	0.5	U	
AROCLOR-1260	0.5	U	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	0.5	UJ	R
AROCLOR-1221	0.5	UJ	R
AROCLOR-1232	0.5	UJ	R
AROCLOR-1242	0.5	UJ	R
AROCLOR-1248	0.5	UJ	R
AROCLOR-1254	0.5	UJ	R
AROCLOR-1260	0.5	UJ	R

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	0.5	UJ	R
AROCLOR-1221	0.5	UJ	R
AROCLOR-1232	0.5	UJ	R
AROCLOR-1242	0.5	UJ	R
AROCLOR-1248	0.5	UJ	R
AROCLOR-1254	0.5	UJ	R
AROCLOR-1260	0.5	UJ	R

PROJ_NO: 00275

SDG: WV5584 MEDIA: WATER DATA FRACTION: PEST/PCB

nsample	SW-14-102005
samp_date	10/20/2005
lab_id	WV5584-14
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	0.5	U	
AROCLOR-1221	0.5	U	
AROCLOR-1232	0.5	U	
AROCLOR-1242	0.5	U	
AROCLOR-1248	0.5	U	
AROCLOR-1254	0.5	U	
AROCLOR-1260	0.5	U	

nsample	SW-15-102005
samp_date	10/20/2005
lab_id	WV5584-16
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	0.5	U	
AROCLOR-1221	0.5	U	
AROCLOR-1232	0.5	U	
AROCLOR-1242	0.5	U	
AROCLOR-1248	0.5	U	
AROCLOR-1254	0.5	U	
AROCLOR-1260	0.5	U	

nsample	SW-16-102005
samp_date	10/20/2005
lab_id	WV5584-18
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	0.5	U	
AROCLOR-1221	0.5	U	
AROCLOR-1232	0.5	U	
AROCLOR-1242	0.5	U	
AROCLOR-1248	0.5	U	
AROCLOR-1254	0.5	U	
AROCLOR-1260	0.5	U	

PROJ_NO: 00275

SDG: WV5584 MEDIA: WATER DATA FRACTION: PEST/PCB

nsample	SW-17-102005
samp_date	10/20/2005
lab_id	WV5584-20
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
AROCLOR-1016	0.5	U	
AROCLOR-1221	0.5	U	
AROCLOR-1232	0.5	U	
AROCLOR-1242	0.5	U	
AROCLOR-1248	0.5	U	
AROCLOR-1254	0.5	U	
AROCLOR-1260	0.5	U	

Appendix B

Results as Reported by the Laboratory

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date:
Analysis Date: 26-OCT-2005 14:53
Report Date: 10/28/2005
Matrix: WATER
% Solids: NA

Lab ID: WV5584-1
Client ID: TB102005
SDG: WV5584
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22067
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	2	1.0	2	2	0.5
74-87-3	Chloromethane	U	2	1.0	2	2	0.3
75-01-4	Vinyl chloride	U	2	1.0	2	2	0.3
74-83-9	Bromomethane	U	2	1.0	2	2	0.6
75-00-3	Chloroethane	U	2	1.0	2	2	0.3
75-69-4	Trichlorofluoromethane	U	2	1.0	2	2	0.3
75-65-0	Tertiary-butyl alcohol	U	5	1.0	5	5	0.4
75-35-4	1,1-Dichloroethene	U	1	1.0	1	1	0.4
75-15-0	Carbon Disulfide	U	1	1.0	1	1	0.3
76-13-1	Freon-113	U	1	1.0	1	1	0.2
75-09-2	Methylene Chloride	U	2	1.0	2	2	2
67-64-1	Acetone	J	4	1.0	5	5	2
156-60-5	trans-1,2-Dichloroethene	U	1	1.0	1	1	0.3
1634-04-4	Methyl tert-butyl ether	U	2	1.0	2	2	0.8
108-20-3	Di-isopropyl ether	U	1	1.0	1	1	0.2
75-34-3	1,1-Dichloroethane	U	1	1.0	1	1	0.4
637-92-3	Ethyl tertiary-butyl ether	U	1	1.0	1	1	0.08
108-05-4	Vinyl Acetate	U	1	1.0	1	1	0.3
156-59-2	cis-1,2-Dichloroethene	U	1	1.0	1	1	0.3
540-59-0	1,2-Dichloroethylene (total)	U	2	1.0	2	2	0.6
594-20-7	2,2-Dichloropropane	U	1	1.0	1	1	0.2
74-97-5	Bromochloromethane	U	1	1.0	1	1	0.2
67-66-3	Chloroform	U	1	1.0	1	1	0.4
56-23-5	Carbon Tetrachloride	U	1	1.0	1	1	0.3
71-55-6	1,1,1-Trichloroethane	U	1	1.0	1	1	0.2
563-58-6	1,1-Dichloropropene	U	1	1.0	1	1	0.2
78-93-3	2-Butanone	U	5	1.0	5	5	3
71-43-2	Benzene	U	1	1.0	1	1	0.3
994-05-8	Tertiary-amyl methyl ether	U	1	1.0	1	1	0.1
107-06-2	1,2-Dichloroethane	U	1	1.0	1	1	0.3
79-01-6	Trichloroethene	U	1	1.0	1	1	0.3
74-95-3	Dibromomethane	U	1	1.0	1	1	0.2
78-87-5	1,2-Dichloropropane	U	1	1.0	1	1	0.3
75-27-4	Bromodichloromethane	U	1	1.0	1	1	0.2
10061-01-5	cis-1,3-dichloropropene	U	1	1.0	1	1	0.3
110-75-8	2-Chloroethylvinylether	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	3
127-18-4	Tetrachloroethene	U	1	1.0	1	1	0.4
10061-02-6	trans-1,3-Dichloropropene	U	1	1.0	1	1	0.4
124-48-1	Dibromochloromethane	U	1	1.0	1	1	0.4
142-28-9	1,3-Dichloropropane	U	1	1.0	1	1	0.3
106-93-4	1,2-Dibromoethane	U	1	1.0	1	1	0.4

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date:
Analysis Date: 26-OCT-2005 14:53
Report Date: 10/28/2005
Matrix: WATER
% Solids: NA

Lab ID: WV5584-1
Client ID: TB102005
SDG: WV5584
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22067
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	1	1.0	1	1	0.2
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.2
630-20-6	1,1,1,2-Tetrachloroethane	U	1	1.0	1	1	0.2
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.8
	m+p-Xylenes	U	2	1.0	2	2	0.5
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
100-42-5	Styrene	U	1	1.0	1	1	0.6
75-25-2	Bromoform	U	1	1.0	1	1	0.5
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.3
108-86-1	Bromobenzene	U	1	1.0	1	1	0.2
103-65-1	N-Propylbenzene	U	1	1.0	1	1	0.3
79-34-5	1,1,2,2-Tetrachloroethane	U	1	1.0	1	1	0.5
95-49-8	2-Chlorotoluene	U	1	1.0	1	1	0.3
96-18-4	1,2,3-Trichloropropane	U	1	1.0	1	1	0.6
106-43-4	4-Chlorotoluene	U	1	1.0	1	1	0.3
98-06-6	tert-Butylbenzene	U	1	1.0	1	1	0.2
95-63-6	1,2,4-Trimethylbenzene	U	1	1.0	1	1	0.2
99-87-6	P-Isopropyltoluene	U	1	1.0	1	1	0.2
541-73-1	1,3-Dichlorobenzene	U	1	1.0	1	1	0.3
106-46-7	1,4-Dichlorobenzene	U	1	1.0	1	1	0.4
104-51-8	N-Butylbenzene	U	1	1.0	1	1	0.2
135-98-8	sec-Butylbenzene	U	1	1.0	1	1	0.3
95-50-1	1,2-Dichlorobenzene	U	1	1.0	1	1	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	1	1.0	1	1	0.3
87-68-3	Hexachlorobutadiene	U	1	1.0	1	1	0.4
120-82-1	1,2,4-Trichlorobenzene	U	1	1.0	1	1	0.3
526-73-8	1,2,3-Trimethylbenzene	U	1	1.0	1	1	0.2
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
87-61-6	1,2,3-Trichlorobenzene	U	1	1.0	1	1	0.2
1868-53-7	Dibromofluoromethane		100%				
17060-07-0	1,2-Dichloroethane-D4		114%				
2037-26-5	Toluene-D8		91%				
460-00-4	P-Bromofluorobenzene		94%				

FORM I

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

TB102005

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: WV5584

Matrix: (soil/water) WATER Lab Sample ID: WV5584-1

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: F9284

Level: (low/med) LOW Date Received: 10/21/05

% Moisture: not dec. _____ Date Analyzed: 10/26/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					

FORM I VOA-TIC

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date:
Analysis Date: 26-OCT-2005 15:27
Report Date: 10/28/2005
Matrix: WATER
% Solids: NA

Lab ID: WV5584-2
Client ID: SW-08-102005
SDG: WV5584
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22067
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	2	1.0	2	2	0.5
74-87-3	Chloromethane	U	2	1.0	2	2	0.3
75-01-4	Vinyl chloride	U	2	1.0	2	2	0.3
74-83-9	Bromomethane	U	2	1.0	2	2	0.6
75-00-3	Chloroethane	U	2	1.0	2	2	0.3
75-69-4	Trichlorofluoromethane	U	2	1.0	2	2	0.3
75-65-0	Tertiary-butyl alcohol	U	5	1.0	5	5	0.4
75-35-4	1,1-Dichloroethene	U	1	1.0	1	1	0.4
75-15-0	Carbon Disulfide	U	1	1.0	1	1	0.3
76-13-1	Freon-113	U	1	1.0	1	1	0.2
75-09-2	Methylene Chloride	U	2	1.0	2	2	2
67-64-1	Acetone	U	5	1.0	5	5	2
156-60-5	trans-1,2-Dichloroethene	U	1	1.0	1	1	0.3
1634-04-4	Methyl tert-butyl ether	U	2	1.0	2	2	0.8
108-20-3	Di-isopropyl ether	U	1	1.0	1	1	0.2
75-34-3	1,1-Dichloroethane	U	1	1.0	1	1	0.4
637-92-3	Ethyl tertiary-butyl ether	U	1	1.0	1	1	0.08
108-05-4	Vinyl Acetate	U	1	1.0	1	1	0.3
156-59-2	cis-1,2-Dichloroethene	U	1	1.0	1	1	0.3
540-59-0	1,2-Dichloroethylene (total)	U	2	1.0	2	2	0.6
594-20-7	2,2-Dichloropropane	U	1	1.0	1	1	0.2
74-97-5	Bromochloromethane	U	1	1.0	1	1	0.2
67-66-3	Chloroform	U	1	1.0	1	1	0.4
56-23-5	Carbon Tetrachloride	U	1	1.0	1	1	0.3
71-55-6	1,1,1-Trichloroethane	U	1	1.0	1	1	0.2
563-58-6	1,1-Dichloropropene	U	1	1.0	1	1	0.2
78-93-3	2-Butanone	U	5	1.0	5	5	3
71-43-2	Benzene	U	1	1.0	1	1	0.3
994-05-8	Tertiary-amyl methyl ether	U	1	1.0	1	1	0.1
107-06-2	1,2-Dichloroethane	U	1	1.0	1	1	0.3
79-01-6	Trichloroethene	U	1	1.0	1	1	0.3
74-95-3	Dibromomethane	U	1	1.0	1	1	0.2
78-87-5	1,2-Dichloropropane	U	1	1.0	1	1	0.3
75-27-4	Bromodichloromethane	U	1	1.0	1	1	0.2
10061-01-5	cis-1,3-dichloropropene	U	1	1.0	1	1	0.3
110-75-8	2-Chloroethylvinylether	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	3
127-18-4	Tetrachloroethene	U	1	1.0	1	1	0.4
10061-02-6	trans-1,3-Dichloropropene	U	1	1.0	1	1	0.4
124-48-1	Dibromochloromethane	U	1	1.0	1	1	0.4
142-28-9	1,3-Dichloropropane	U	1	1.0	1	1	0.3
106-93-4	1,2-Dibromoethane	U	1	1.0	1	1	0.4

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date:
Analysis Date: 26-OCT-2005 15:27
Report Date: 10/28/2005
Matrix: WATER
% Solids: NA

Lab ID: WV5584-2
Client ID: SW-08-102005
SDG: WV5584
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22067
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	1	1.0	1	1	0.2
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.2
630-20-6	1,1,1,2-Tetrachloroethane	U	1	1.0	1	1	0.2
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.8
	m+p-Xylenes	U	2	1.0	2	2	0.5
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
100-42-5	Styrene	J	0.6	1.0	1	1	0.6
75-25-2	Bromoform	U	1	1.0	1	1	0.5
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.3
108-86-1	Bromobenzene	U	1	1.0	1	1	0.2
103-65-1	N-Propylbenzene	U	1	1.0	1	1	0.3
79-34-5	1,1,2,2-Tetrachloroethane	U	1	1.0	1	1	0.5
95-49-8	2-Chlorotoluene	U	1	1.0	1	1	0.3
96-18-4	1,2,3-Trichloropropane	U	1	1.0	1	1	0.6
106-43-4	4-Chlorotoluene	U	1	1.0	1	1	0.3
98-06-6	tert-Butylbenzene	U	1	1.0	1	1	0.2
95-63-6	1,2,4-Trimethylbenzene	U	1	1.0	1	1	0.2
99-87-6	P-Isopropyltoluene	U	1	1.0	1	1	0.2
541-73-1	1,3-Dichlorobenzene	U	1	1.0	1	1	0.3
106-46-7	1,4-Dichlorobenzene	U	1	1.0	1	1	0.4
104-51-8	N-Butylbenzene	U	1	1.0	1	1	0.2
135-98-8	sec-Butylbenzene	U	1	1.0	1	1	0.3
95-50-1	1,2-Dichlorobenzene	U	1	1.0	1	1	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	1	1.0	1	1	0.3
87-68-3	Hexachlorobutadiene	U	1	1.0	1	1	0.4
120-82-1	1,2,4-Trichlorobenzene	U	1	1.0	1	1	0.3
526-73-8	1,2,3-Trimethylbenzene	U	1	1.0	1	1	0.2
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
87-61-6	1,2,3-Trichlorobenzene	U	1	1.0	1	1	0.2
1868-53-7	Dibromofluoromethane		107%				
17060-07-0	1,2-Dichloroethane-D4		*133%				
2037-26-5	Toluene-D8		97%				
460-00-4	P-Bromofluorobenzene		102%				

FORM I

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SW-08-102005

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: WV5584

Matrix: (soil/water) WATER Lab Sample ID: WV5584-2

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: F9285

Level: (low/med) LOW Date Received: 10/21/05

% Moisture: not dec. _____ Date Analyzed: 10/26/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
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FORM I VOA-TIC

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date:
Analysis Date: 26-OCT-2005 16:01
Report Date: 10/28/2005
Matrix: WATER
% Solids: NA

Lab ID: WV5584-4
Client ID: SW-09-102005
SDG: WV5584
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22067
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	2	1.0	2	2	0.5
74-87-3	Chloromethane	U	2	1.0	2	2	0.3
75-01-4	Vinyl chloride	U	2	1.0	2	2	0.3
74-83-9	Bromomethane	U	2	1.0	2	2	0.6
75-00-3	Chloroethane	U	2	1.0	2	2	0.3
75-69-4	Trichlorofluoromethane	U	2	1.0	2	2	0.3
75-65-0	Tertiary-butyl alcohol	U	5	1.0	5	5	0.4
75-35-4	1,1-Dichloroethene	U	1	1.0	1	1	0.4
75-15-0	Carbon Disulfide	U	1	1.0	1	1	0.3
76-13-1	Freon-113	U	1	1.0	1	1	0.2
75-09-2	Methylene Chloride	U	2	1.0	2	2	2
67-64-1	Acetone	U	5	1.0	5	5	2
156-60-5	trans-1,2-Dichloroethene	U	1	1.0	1	1	0.3
1634-04-4	Methyl tert-butyl ether	J	1	1.0	2	2	0.8
108-20-3	Di-isopropyl ether	U	1	1.0	1	1	0.2
75-34-3	1,1-Dichloroethane	U	1	1.0	1	1	0.4
637-92-3	Ethyl tertiary-butyl ether	U	1	1.0	1	1	0.08
108-05-4	Vinyl Acetate	U	1	1.0	1	1	0.3
156-59-2	cis-1,2-Dichloroethene	U	1	1.0	1	1	0.3
540-59-0	1,2-Dichloroethylene (total)	U	2	1.0	2	2	0.6
594-20-7	2,2-Dichloropropane	U	1	1.0	1	1	0.2
74-97-5	Bromochloromethane	U	1	1.0	1	1	0.2
67-66-3	Chloroform	U	1	1.0	1	1	0.4
56-23-5	Carbon Tetrachloride	U	1	1.0	1	1	0.3
71-55-6	1,1,1-Trichloroethane	U	1	1.0	1	1	0.2
563-58-6	1,1-Dichloropropene	U	1	1.0	1	1	0.2
78-93-3	2-Butanone	U	5	1.0	5	5	3
71-43-2	Benzene	U	1	1.0	1	1	0.3
994-05-8	Tertiary-amyl methyl ether	U	1	1.0	1	1	0.1
107-06-2	1,2-Dichloroethane	U	1	1.0	1	1	0.3
79-01-6	Trichloroethene	U	1	1.0	1	1	0.3
74-95-3	Dibromomethane	U	1	1.0	1	1	0.2
78-87-5	1,2-Dichloropropane	U	1	1.0	1	1	0.3
75-27-4	Bromodichloromethane	U	1	1.0	1	1	0.2
10061-01-5	cis-1,3-dichloropropene	U	1	1.0	1	1	0.3
110-75-8	2-Chloroethylvinylether	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	3
127-18-4	Tetrachloroethene	U	1	1.0	1	1	0.4
10061-02-6	trans-1,3-Dichloropropene	U	1	1.0	1	1	0.4
124-48-1	Dibromochloromethane	U	1	1.0	1	1	0.4
142-28-9	1,3-Dichloropropane	U	1	1.0	1	1	0.3
106-93-4	1,2-Dibromoethane	U	1	1.0	1	1	0.4

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date:
Analysis Date: 26-OCT-2005 16:01
Report Date: 10/28/2005
Matrix: WATER
% Solids: NA

Lab ID: WV5584-4
Client ID: SW-09-102005
SDG: WV5584
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22067
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	1	1.0	1	1	0.2
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.2
630-20-6	1,1,1,2-Tetrachloroethane	U	1	1.0	1	1	0.2
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.8
	m+p-Xylenes	U	2	1.0	2	2	0.5
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
100-42-5	Styrene	U	1	1.0	1	1	0.6
75-25-2	Bromoform	U	1	1.0	1	1	0.5
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.3
108-86-1	Bromobenzene	U	1	1.0	1	1	0.2
103-65-1	N-Propylbenzene	U	1	1.0	1	1	0.3
79-34-5	1,1,2,2-Tetrachloroethane	U	1	1.0	1	1	0.5
95-49-8	2-Chlorotoluene	U	1	1.0	1	1	0.3
96-18-4	1,2,3-Trichloropropane	U	1	1.0	1	1	0.6
106-43-4	4-Chlorotoluene	U	1	1.0	1	1	0.3
98-06-6	tert-Butylbenzene	U	1	1.0	1	1	0.2
95-63-6	1,2,4-Trimethylbenzene	U	1	1.0	1	1	0.2
99-87-6	P-Isopropyltoluene	U	1	1.0	1	1	0.2
541-73-1	1,3-Dichlorobenzene	U	1	1.0	1	1	0.3
106-46-7	1,4-Dichlorobenzene	U	1	1.0	1	1	0.4
104-51-8	N-Butylbenzene	U	1	1.0	1	1	0.2
135-98-8	sec-Butylbenzene	U	1	1.0	1	1	0.3
95-50-1	1,2-Dichlorobenzene	U	1	1.0	1	1	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	1	1.0	1	1	0.3
87-68-3	Hexachlorobutadiene	U	1	1.0	1	1	0.4
120-82-1	1,2,4-Trichlorobenzene	U	1	1.0	1	1	0.3
526-73-8	1,2,3-Trimethylbenzene	U	1	1.0	1	1	0.2
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
87-61-6	1,2,3-Trichlorobenzene	U	1	1.0	1	1	0.2
1868-53-7	Dibromofluoromethane		103%				
17060-07-0	1,2-Dichloroethane-D4		*127%				
2037-26-5	Toluene-D8		93%				
460-00-4	P-Bromofluorobenzene		98%				

FORM I

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SW-09-102005

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: WV5584

Matrix: (soil/water) WATER Lab Sample ID: WV5584-4

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: F9286

Level: (low/med) LOW Date Received: 10/21/05

% Moisture: not dec. _____ Date Analyzed: 10/26/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
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FORM I VOA-TIC

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date:
Analysis Date: 26-OCT-2005 16:35
Report Date: 10/28/2005
Matrix: WATER
% Solids: NA

Lab ID: WV5584-6
Client ID: SW-10-102005
SDG: WV5584
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22067
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	2	1.0	2	2	0.5
74-87-3	Chloromethane	U	2	1.0	2	2	0.3
75-01-4	Vinyl chloride	U	2	1.0	2	2	0.3
74-83-9	Bromomethane	U	2	1.0	2	2	0.6
75-00-3	Chloroethane	U	2	1.0	2	2	0.3
75-69-4	Trichlorofluoromethane	U	2	1.0	2	2	0.3
75-65-0	Tertiary-butyl alcohol	U	5	1.0	5	5	0.4
75-35-4	1,1-Dichloroethene	U	1	1.0	1	1	0.4
75-15-0	Carbon Disulfide	U	1	1.0	1	1	0.3
76-13-1	Freon-113	U	1	1.0	1	1	0.2
75-09-2	Methylene Chloride	U	2	1.0	2	2	2
67-64-1	Acetone	U	5	1.0	5	5	2
156-60-5	trans-1,2-Dichloroethene	U	1	1.0	1	1	0.3
1634-04-4	Methyl tert-butyl ether	J	1	1.0	2	2	0.8
108-20-3	Di-isopropyl ether	U	1	1.0	1	1	0.2
75-34-3	1,1-Dichloroethane	U	1	1.0	1	1	0.4
637-92-3	Ethyl tertiary-butyl ether	U	1	1.0	1	1	0.08
108-05-4	Vinyl Acetate	U	1	1.0	1	1	0.3
156-59-2	cis-1,2-Dichloroethene	U	1	1.0	1	1	0.3
540-59-0	1,2-Dichloroethylene (total)	U	2	1.0	2	2	0.6
594-20-7	2,2-Dichloropropane	U	1	1.0	1	1	0.2
74-97-5	Bromochloromethane	U	1	1.0	1	1	0.2
67-66-3	Chloroform	U	1	1.0	1	1	0.4
56-23-5	Carbon Tetrachloride	U	1	1.0	1	1	0.3
71-55-6	1,1,1-Trichloroethane	U	1	1.0	1	1	0.2
563-58-6	1,1-Dichloropropene	U	1	1.0	1	1	0.2
78-93-3	2-Butanone	U	5	1.0	5	5	3
71-43-2	Benzene	U	1	1.0	1	1	0.3
994-05-8	Tertiary-amyl methyl ether	U	1	1.0	1	1	0.1
107-06-2	1,2-Dichloroethane	U	1	1.0	1	1	0.3
79-01-6	Trichloroethene	J	0.3	1.0	1	1	0.3
74-95-3	Dibromomethane	U	1	1.0	1	1	0.2
78-87-5	1,2-Dichloropropane	U	1	1.0	1	1	0.3
75-27-4	Bromodichloromethane	U	1	1.0	1	1	0.2
10061-01-5	cis-1,3-dichloropropene	U	1	1.0	1	1	0.3
110-75-8	2-Chloroethylvinylether	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	3
127-18-4	Tetrachloroethene	U	1	1.0	1	1	0.4
10061-02-6	trans-1,3-Dichloropropene	U	1	1.0	1	1	0.4
124-48-1	Dibromochloromethane	U	1	1.0	1	1	0.4
142-28-9	1,3-Dichloropropane	U	1	1.0	1	1	0.3
106-93-4	1,2-Dibromoethane	U	1	1.0	1	1	0.4

Sample Data Summary A0000012

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date:
Analysis Date: 26-OCT-2005 16:35
Report Date: 10/28/2005
Matrix: WATER
% Solids: NA

Lab ID: WV5584-6
Client ID: SW-10-102005
SDG: WV5584
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22067
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	1	1.0	1	1	0.2
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.2
630-20-6	1,1,1,2-Tetrachloroethane	U	1	1.0	1	1	0.2
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.8
	m+p-Xylenes	U	2	1.0	2	2	0.5
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
100-42-5	Styrene	U	1	1.0	1	1	0.6
75-25-2	Bromoform	U	1	1.0	1	1	0.5
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.3
108-86-1	Bromobenzene	U	1	1.0	1	1	0.2
103-65-1	N-Propylbenzene	U	1	1.0	1	1	0.3
79-34-5	1,1,2,2-Tetrachloroethane	U	1	1.0	1	1	0.5
95-49-8	2-Chlorotoluene	U	1	1.0	1	1	0.3
96-18-4	1,2,3-Trichloropropane	U	1	1.0	1	1	0.6
106-43-4	4-Chlorotoluene	U	1	1.0	1	1	0.3
98-06-6	tert-Butylbenzene	U	1	1.0	1	1	0.2
95-63-6	1,2,4-Trimethylbenzene	U	1	1.0	1	1	0.2
99-87-6	P-Isopropyltoluene	U	1	1.0	1	1	0.2
541-73-1	1,3-Dichlorobenzene	U	1	1.0	1	1	0.3
106-46-7	1,4-Dichlorobenzene	U	1	1.0	1	1	0.4
104-51-8	N-Butylbenzene	U	1	1.0	1	1	0.2
135-98-8	sec-Butylbenzene	U	1	1.0	1	1	0.3
95-50-1	1,2-Dichlorobenzene	U	1	1.0	1	1	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	1	1.0	1	1	0.3
87-68-3	Hexachlorobutadiene	U	1	1.0	1	1	0.4
120-82-1	1,2,4-Trichlorobenzene	U	1	1.0	1	1	0.3
526-73-8	1,2,3-Trimethylbenzene	U	1	1.0	1	1	0.2
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
87-61-6	1,2,3-Trichlorobenzene	U	1	1.0	1	1	0.2
1868-53-7	Dibromofluoromethane		102%				
17060-07-0	1,2-Dichloroethane-D4		*128%				
2037-26-5	Toluene-D8		94%				
460-00-4	P-Bromofluorobenzene		97%				

FORM I

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SW-10-102005

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: WV5584

Matrix: (soil/water) WATER Lab Sample ID: WV5584-6

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: F9287

Level: (low/med) LOW Date Received: 10/21/05

% Moisture: not dec. _____ Date Analyzed: 10/26/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
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FORM I VOA-TIC

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date:
Analysis Date: 26-OCT-2005 17:09
Report Date: 10/28/2005
Matrix: WATER
% Solids: NA

Lab ID: WV5584-8
Client ID: SW-11-102005
SDG: WV5584
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22067
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	2	1.0	2	2	0.5
74-87-3	Chloromethane	U	2	1.0	2	2	0.3
75-01-4	Vinyl chloride	U	2	1.0	2	2	0.3
74-83-9	Bromomethane	U	2	1.0	2	2	0.6
75-00-3	Chloroethane	U	2	1.0	2	2	0.3
75-69-4	Trichlorofluoromethane	U	2	1.0	2	2	0.3
75-65-0	Tertiary-butyl alcohol	U	5	1.0	5	5	0.4
75-35-4	1,1-Dichloroethene	U	1	1.0	1	1	0.4
75-15-0	Carbon Disulfide	U	1	1.0	1	1	0.3
76-13-1	Freon-113	U	1	1.0	1	1	0.2
75-09-2	Methylene Chloride	U	2	1.0	2	2	2
67-64-1	Acetone	U	5	1.0	5	5	2
156-60-5	trans-1,2-Dichloroethene	U	1	1.0	1	1	0.3
1634-04-4	Methyl tert-butyl ether	J	2	1.0	2	2	0.8
108-20-3	Di-isopropyl ether	U	1	1.0	1	1	0.2
75-34-3	1,1-Dichloroethane	U	1	1.0	1	1	0.4
637-92-3	Ethyl tertiary-butyl ether	U	1	1.0	1	1	0.08
108-05-4	Vinyl Acetate	U	1	1.0	1	1	0.3
156-59-2	cis-1,2-Dichloroethene	U	1	1.0	1	1	0.3
540-59-0	1,2-Dichloroethylene (total)	U	2	1.0	2	2	0.6
594-20-7	2,2-Dichloropropane	U	1	1.0	1	1	0.2
74-97-5	Bromochloromethane	U	1	1.0	1	1	0.2
67-66-3	Chloroform	U	1	1.0	1	1	0.4
56-23-5	Carbon Tetrachloride	U	1	1.0	1	1	0.3
71-55-6	1,1,1-Trichloroethane	U	1	1.0	1	1	0.2
563-58-6	1,1-Dichloropropene	U	1	1.0	1	1	0.2
78-93-3	2-Butanone	U	5	1.0	5	5	3
71-43-2	Benzene	U	1	1.0	1	1	0.3
994-05-8	Tertiary-amyl methyl ether	U	1	1.0	1	1	0.1
107-06-2	1,2-Dichloroethane	U	1	1.0	1	1	0.3
79-01-6	Trichloroethene	U	1	1.0	1	1	0.3
74-95-3	Dibromomethane	U	1	1.0	1	1	0.2
78-87-5	1,2-Dichloropropane	U	1	1.0	1	1	0.3
75-27-4	Bromodichloromethane	U	1	1.0	1	1	0.2
10061-01-5	cis-1,3-dichloropropene	U	1	1.0	1	1	0.3
110-75-8	2-Chloroethylvinylether	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	3
127-18-4	Tetrachloroethene	U	1	1.0	1	1	0.4
10061-02-6	trans-1,3-Dichloropropene	U	1	1.0	1	1	0.4
124-48-1	Dibromochloromethane	U	1	1.0	1	1	0.4
142-28-9	1,3-Dichloropropane	U	1	1.0	1	1	0.3
106-93-4	1,2-Dibromoethane	U	1	1.0	1	1	0.4

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date:
Analysis Date: 26-OCT-2005 17:09
Report Date: 10/28/2005
Matrix: WATER
% Solids: NA

Lab ID: WV5584-8
Client ID: SW-11-102005
SDG: WV5584
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22067
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	1	1.0	1	1	0.2
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.2
630-20-6	1,1,1,2-Tetrachloroethane	U	1	1.0	1	1	0.2
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.8
	m+p-Xylenes	U	2	1.0	2	2	0.5
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
100-42-5	Styrene	U	1	1.0	1	1	0.6
75-25-2	Bromoform	U	1	1.0	1	1	0.5
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.3
108-86-1	Bromobenzene	U	1	1.0	1	1	0.2
103-65-1	N-Propylbenzene	U	1	1.0	1	1	0.3
79-34-5	1,1,2,2-Tetrachloroethane	U	1	1.0	1	1	0.5
95-49-8	2-Chlorotoluene	U	1	1.0	1	1	0.3
96-18-4	1,2,3-Trichloropropane	U	1	1.0	1	1	0.6
106-43-4	4-Chlorotoluene	U	1	1.0	1	1	0.3
98-06-6	tert-Butylbenzene	U	1	1.0	1	1	0.2
95-63-6	1,2,4-Trimethylbenzene	U	1	1.0	1	1	0.2
99-87-6	P-Isopropyltoluene	U	1	1.0	1	1	0.2
541-73-1	1,3-Dichlorobenzene	U	1	1.0	1	1	0.3
106-46-7	1,4-Dichlorobenzene	U	1	1.0	1	1	0.4
104-51-8	N-Butylbenzene	U	1	1.0	1	1	0.2
135-98-8	sec-Butylbenzene	U	1	1.0	1	1	0.3
95-50-1	1,2-Dichlorobenzene	U	1	1.0	1	1	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	1	1.0	1	1	0.3
87-68-3	Hexachlorobutadiene	U	1	1.0	1	1	0.4
120-82-1	1,2,4-Trichlorobenzene	U	1	1.0	1	1	0.3
526-73-8	1,2,3-Trimethylbenzene	U	1	1.0	1	1	0.2
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
87-61-6	1,2,3-Trichlorobenzene	U	1	1.0	1	1	0.2
1868-53-7	Dibromofluoromethane		108%				
17060-07-0	1,2-Dichloroethane-D4		*136%				
2037-26-5	Toluene-D8		95%				
460-00-4	P-Bromofluorobenzene		99%				

FORM 1

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SW-11-102005

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: WV5584

Matrix: (soil/water) WATER Lab Sample ID: WV5584-8

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: F9288

Level: (low/med) LOW Date Received: 10/21/05

% Moisture: not dec. _____ Date Analyzed: 10/26/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
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FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date:
Analysis Date: 26-OCT-2005 17:44
Report Date: 10/28/2005
Matrix: WATER
% Solids: NA

Lab ID: WV5584-10
Client ID: SW-12-102005
SDG: WV5584
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22067
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	2	1.0	2	2	0.5
74-87-3	Chloromethane	U	2	1.0	2	2	0.3
75-01-4	Vinyl chloride	U	2	1.0	2	2	0.3
74-83-9	Bromomethane	U	2	1.0	2	2	0.6
75-00-3	Chloroethane	U	2	1.0	2	2	0.3
75-69-4	Trichlorofluoromethane	U	2	1.0	2	2	0.3
75-65-0	Tertiary-butyl alcohol	U	5	1.0	5	5	0.4
75-35-4	1,1-Dichloroethene	U	1	1.0	1	1	0.4
75-15-0	Carbon Disulfide	U	1	1.0	1	1	0.3
76-13-1	Freon-113	U	1	1.0	1	1	0.2
75-09-2	Methylene Chloride	U	2	1.0	2	2	2
67-64-1	Acetone	U	5	1.0	5	5	2
156-60-5	trans-1,2-Dichloroethene	U	1	1.0	1	1	0.3
1634-04-4	Methyl tert-butyl ether	J	1	1.0	2	2	0.8
108-20-3	Di-isopropyl ether	U	1	1.0	1	1	0.2
75-34-3	1,1-Dichloroethane	U	1	1.0	1	1	0.4
637-92-3	Ethyl tertiary-butyl ether	U	1	1.0	1	1	0.08
108-05-4	Vinyl Acetate	U	1	1.0	1	1	0.3
156-59-2	cis-1,2-Dichloroethene	U	1	1.0	1	1	0.3
540-59-0	1,2-Dichloroethylene (total)	U	2	1.0	2	2	0.6
594-20-7	2,2-Dichloropropane	U	1	1.0	1	1	0.2
74-97-5	Bromochloromethane	U	1	1.0	1	1	0.2
67-66-3	Chloroform	U	1	1.0	1	1	0.4
56-23-5	Carbon Tetrachloride	U	1	1.0	1	1	0.3
71-55-6	1,1,1-Trichloroethane	U	1	1.0	1	1	0.2
563-58-6	1,1-Dichloropropene	U	1	1.0	1	1	0.2
78-93-3	2-Butanone	U	5	1.0	5	5	3
71-43-2	Benzene	U	1	1.0	1	1	0.3
994-05-8	Tertiary-amyl methyl ether	U	1	1.0	1	1	0.1
107-06-2	1,2-Dichloroethane	U	1	1.0	1	1	0.3
79-01-6	Trichloroethene	U	1	1.0	1	1	0.3
74-95-3	Dibromomethane	U	1	1.0	1	1	0.2
78-87-5	1,2-Dichloropropane	U	1	1.0	1	1	0.3
75-27-4	Bromodichloromethane	U	1	1.0	1	1	0.2
10061-01-5	cis-1,3-dichloropropene	U	1	1.0	1	1	0.3
110-75-8	2-Chloroethylvinylether	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	3
127-18-4	Tetrachloroethene	U	1	1.0	1	1	0.4
10061-02-6	trans-1,3-Dichloropropene	U	1	1.0	1	1	0.4
124-48-1	Dibromochloromethane	U	1	1.0	1	1	0.4
142-28-9	1,3-Dichloropropane	U	1	1.0	1	1	0.3
106-93-4	1,2-Dibromoethane	U	1	1.0	1	1	0.4

Sample Data Summary A0000018

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date:
Analysis Date: 26-OCT-2005 17:44
Report Date: 10/28/2005
Matrix: WATER
% Solids: NA

Lab ID: WV5584-10
Client ID: SW-12-102005
SDG: WV5584
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22067
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	1	1.0	1	1	0.2
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.2
630-20-6	1,1,1,2-Tetrachloroethane	U	1	1.0	1	1	0.2
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.8
	m+p-Xylenes	U	2	1.0	2	2	0.5
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
100-42-5	Styrene	U	1	1.0	1	1	0.6
75-25-2	Bromoform	U	1	1.0	1	1	0.5
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.3
108-86-1	Bromobenzene	U	1	1.0	1	1	0.2
103-65-1	N-Propylbenzene	U	1	1.0	1	1	0.3
79-34-5	1,1,2,2-Tetrachloroethane	U	1	1.0	1	1	0.5
95-49-8	2-Chlorotoluene	U	1	1.0	1	1	0.3
96-18-4	1,2,3-Trichloropropane	U	1	1.0	1	1	0.6
106-43-4	4-Chlorotoluene	U	1	1.0	1	1	0.3
98-06-6	tert-Butylbenzene	U	1	1.0	1	1	0.2
95-63-6	1,2,4-Trimethylbenzene	U	1	1.0	1	1	0.2
99-87-6	P-Isopropyltoluene	U	1	1.0	1	1	0.2
541-73-1	1,3-Dichlorobenzene	U	1	1.0	1	1	0.3
106-46-7	1,4-Dichlorobenzene	U	1	1.0	1	1	0.4
104-51-8	N-Butylbenzene	U	1	1.0	1	1	0.2
135-98-8	sec-Butylbenzene	U	1	1.0	1	1	0.3
95-50-1	1,2-Dichlorobenzene	U	1	1.0	1	1	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	1	1.0	1	1	0.3
87-68-3	Hexachlorobutadiene	U	1	1.0	1	1	0.4
120-82-1	1,2,4-Trichlorobenzene	U	1	1.0	1	1	0.3
526-73-8	1,2,3-Trimethylbenzene	U	1	1.0	1	1	0.2
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
87-61-6	1,2,3-Trichlorobenzene	U	1	1.0	1	1	0.2
1868-53-7	Dibromofluoromethane		105%				
17060-07-0	1,2-Dichloroethane-D4		*133%				
2037-26-5	Toluene-D8		92%				
460-00-4	P-Bromofluorobenzene		97%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SW-12-102005

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: WV5584

Matrix: (soil/water) WATER Lab Sample ID: WV5584-10

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: F9289

Level: (low/med) LOW Date Received: 10/21/05

% Moisture: not dec. _____ Date Analyzed: 10/26/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
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FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date:
Analysis Date: 26-OCT-2005 18:18
Report Date: 10/28/2005
Matrix: WATER
% Solids: NA

Lab ID: WV5584-12
Client ID: SW-13-102005
SDG: WV5584
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22067
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	2	1.0	2	2	0.5
74-87-3	Chloromethane	U	2	1.0	2	2	0.3
75-01-4	Vinyl chloride	U	2	1.0	2	2	0.3
74-83-9	Bromomethane	U	2	1.0	2	2	0.6
75-00-3	Chloroethane	U	2	1.0	2	2	0.3
75-69-4	Trichlorofluoromethane	U	2	1.0	2	2	0.3
75-65-0	Tertiary-butyl alcohol	U	5	1.0	5	5	0.4
75-35-4	1,1-Dichloroethene	U	1	1.0	1	1	0.4
75-15-0	Carbon Disulfide	U	1	1.0	1	1	0.3
76-13-1	Freon-113	U	1	1.0	1	1	0.2
75-09-2	Methylene Chloride	U	2	1.0	2	2	2
67-64-1	Acetone	J	4	1.0	5	5	2
156-60-5	trans-1,2-Dichloroethene	U	1	1.0	1	1	0.3
1634-04-4	Methyl tert-butyl ether	U	2	1.0	2	2	0.8
108-20-3	Di-isopropyl ether	U	1	1.0	1	1	0.2
75-34-3	1,1-Dichloroethane	U	1	1.0	1	1	0.4
637-92-3	Ethyl tertiary-butyl ether	U	1	1.0	1	1	0.08
108-05-4	Vinyl Acetate	U	1	1.0	1	1	0.3
156-59-2	cis-1,2-Dichloroethene	U	1	1.0	1	1	0.3
540-59-0	1,2-Dichloroethylene (total)	U	2	1.0	2	2	0.6
594-20-7	2,2-Dichloropropane	U	1	1.0	1	1	0.2
74-97-5	Bromochloromethane	U	1	1.0	1	1	0.2
67-66-3	Chloroform	U	1	1.0	1	1	0.4
56-23-5	Carbon Tetrachloride	U	1	1.0	1	1	0.3
71-55-6	1,1,1-Trichloroethane	U	1	1.0	1	1	0.2
563-58-6	1,1-Dichloropropene	U	1	1.0	1	1	0.2
78-93-3	2-Butanone	U	5	1.0	5	5	3
71-43-2	Benzene	U	1	1.0	1	1	0.3
994-05-8	Tertiary-amyl methyl ether	U	1	1.0	1	1	0.1
107-06-2	1,2-Dichloroethane	U	1	1.0	1	1	0.3
79-01-6	Trichloroethene	U	1	1.0	1	1	0.3
74-95-3	Dibromomethane	U	1	1.0	1	1	0.2
78-87-5	1,2-Dichloropropane	U	1	1.0	1	1	0.3
75-27-4	Bromodichloromethane	U	1	1.0	1	1	0.2
10061-01-5	cis-1,3-dichloropropene	U	1	1.0	1	1	0.3
110-75-8	2-Chloroethylvinylether	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	3
127-18-4	Tetrachloroethene	U	1	1.0	1	1	0.4
10061-02-6	trans-1,3-Dichloropropene	U	1	1.0	1	1	0.4
124-48-1	Dibromochloromethane	U	1	1.0	1	1	0.4
142-28-9	1,3-Dichloropropane	U	1	1.0	1	1	0.3
106-93-4	1,2-Dibromoethane	U	1	1.0	1	1	0.4

Sample Data Summary A0000021

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date:
Analysis Date: 26-OCT-2005 18:18
Report Date: 10/28/2005
Matrix: WATER
% Solids: NA

Lab ID: WV5584-12
Client ID: SW-13-102005
SDG: WV5584
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22067
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	1	1.0	1	1	0.2
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.2
630-20-6	1,1,1,2-Tetrachloroethane	U	1	1.0	1	1	0.2
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.8
	m+p-Xylenes	U	2	1.0	2	2	0.5
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
100-42-5	Styrene	U	1	1.0	1	1	0.6
75-25-2	Bromoform	U	1	1.0	1	1	0.5
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.3
108-86-1	Bromobenzene	U	1	1.0	1	1	0.2
103-65-1	N-Propylbenzene	U	1	1.0	1	1	0.3
79-34-5	1,1,2,2-Tetrachloroethane	U	1	1.0	1	1	0.5
95-49-8	2-Chlorotoluene	U	1	1.0	1	1	0.3
96-18-4	1,2,3-Trichloropropane	U	1	1.0	1	1	0.6
106-43-4	4-Chlorotoluene	U	1	1.0	1	1	0.3
98-06-6	tert-Butylbenzene	U	1	1.0	1	1	0.2
95-63-6	1,2,4-Trimethylbenzene	U	1	1.0	1	1	0.2
99-87-6	P-Isopropyltoluene	U	1	1.0	1	1	0.2
541-73-1	1,3-Dichlorobenzene	U	1	1.0	1	1	0.3
106-46-7	1,4-Dichlorobenzene	U	1	1.0	1	1	0.4
104-51-8	N-Butylbenzene	U	1	1.0	1	1	0.2
135-98-8	sec-Butylbenzene	U	1	1.0	1	1	0.3
95-50-1	1,2-Dichlorobenzene	U	1	1.0	1	1	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	1	1.0	1	1	0.3
87-68-3	Hexachlorobutadiene	U	1	1.0	1	1	0.4
120-82-1	1,2,4-Trichlorobenzene	U	1	1.0	1	1	0.3
526-73-8	1,2,3-Trimethylbenzene	U	1	1.0	1	1	0.2
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
87-61-6	1,2,3-Trichlorobenzene	U	1	1.0	1	1	0.2
1868-53-7	Dibromofluoromethane		103%				
17060-07-0	1,2-Dichloroethane-D4		*133%				
2037-26-5	Toluene-D8		95%				
460-00-4	P-Bromofluorobenzene		99%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SW-13-102005

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: WV5584

Matrix: (soil/water) WATER Lab Sample ID: WV5584-12

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: F9290

Level: (low/med) LOW Date Received: 10/21/05

% Moisture: not dec. _____ Date Analyzed: 10/26/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
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FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date:
Analysis Date: 26-OCT-2005 18:52
Report Date: 10/28/2005
Matrix: WATER
% Solids: NA

Lab ID: WV5584-14
Client ID: SW-14-102005
SDG: WV5584
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22067
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	2	1.0	2	2	0.5
74-87-3	Chloromethane	U	2	1.0	2	2	0.3
75-01-4	Vinyl chloride	U	2	1.0	2	2	0.3
74-83-9	Bromomethane	U	2	1.0	2	2	0.6
75-00-3	Chloroethane	U	2	1.0	2	2	0.3
75-69-4	Trichlorofluoromethane	U	2	1.0	2	2	0.3
75-65-0	Tertiary-butyl alcohol	U	5	1.0	5	5	0.4
75-35-4	1,1-Dichloroethene	U	1	1.0	1	1	0.4
75-15-0	Carbon Disulfide	U	1	1.0	1	1	0.3
76-13-1	Freon-113	U	1	1.0	1	1	0.2
75-09-2	Methylene Chloride	U	2	1.0	2	2	2
67-64-1	Acetone	U	5	1.0	5	5	2
156-60-5	trans-1,2-Dichloroethene	U	1	1.0	1	1	0.3
1634-04-4	Methyl tert-butyl ether	J	2	1.0	2	2	0.8
108-20-3	Di-isopropyl ether	U	1	1.0	1	1	0.2
75-34-3	1,1-Dichloroethane	U	1	1.0	1	1	0.4
637-92-3	Ethyl tertiary-butyl ether	U	1	1.0	1	1	0.08
108-05-4	Vinyl Acetate	U	1	1.0	1	1	0.3
156-59-2	cis-1,2-Dichloroethene	U	1	1.0	1	1	0.3
540-59-0	1,2-Dichloroethylene (total)	U	2	1.0	2	2	0.6
594-20-7	2,2-Dichloropropane	U	1	1.0	1	1	0.2
74-97-5	Bromochloromethane	U	1	1.0	1	1	0.2
67-66-3	Chloroform	U	1	1.0	1	1	0.4
56-23-5	Carbon Tetrachloride	U	1	1.0	1	1	0.3
71-55-6	1,1,1-Trichloroethane	U	1	1.0	1	1	0.2
563-58-6	1,1-Dichloropropene	U	1	1.0	1	1	0.2
78-93-3	2-Butanone	U	5	1.0	5	5	3
71-43-2	Benzene	U	1	1.0	1	1	0.3
994-05-8	Tertiary-amyl methyl ether	U	1	1.0	1	1	0.1
107-06-2	1,2-Dichloroethane	U	1	1.0	1	1	0.3
79-01-6	Trichloroethene	U	1	1.0	1	1	0.3
74-95-3	Dibromomethane	U	1	1.0	1	1	0.2
78-87-5	1,2-Dichloropropane	U	1	1.0	1	1	0.3
75-27-4	Bromodichloromethane	U	1	1.0	1	1	0.2
10061-01-5	cis-1,3-dichloropropene	U	1	1.0	1	1	0.3
110-75-8	2-Chloroethylvinylether	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	3
127-18-4	Tetrachloroethene	U	1	1.0	1	1	0.4
10061-02-6	trans-1,3-Dichloropropene	U	1	1.0	1	1	0.4
124-48-1	Dibromochloromethane	U	1	1.0	1	1	0.4
142-28-9	1,3-Dichloropropane	U	1	1.0	1	1	0.3
106-93-4	1,2-Dibromoethane	U	1	1.0	1	1	0.4

Sample Data Summary A0000024

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date:
Analysis Date: 26-OCT-2005 18:52
Report Date: 10/28/2005
Matrix: WATER
% Solids: NA

Lab ID: WV5584-14
Client ID: SW-14-102005
SDG: WV5584
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22067
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	1	1.0	1	1	0.2
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.2
630-20-6	1,1,1,2-Tetrachloroethane	U	1	1.0	1	1	0.2
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.8
	m+p-Xylenes	U	2	1.0	2	2	0.5
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
100-42-5	Styrene	U	1	1.0	1	1	0.6
75-25-2	Bromoform	U	1	1.0	1	1	0.5
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.3
108-86-1	Bromobenzene	U	1	1.0	1	1	0.2
103-65-1	N-Propylbenzene	U	1	1.0	1	1	0.3
79-34-5	1,1,2,2-Tetrachloroethane	U	1	1.0	1	1	0.5
95-49-8	2-Chlorotoluene	U	1	1.0	1	1	0.3
96-18-4	1,2,3-Trichloropropane	U	1	1.0	1	1	0.6
106-43-4	4-Chlorotoluene	U	1	1.0	1	1	0.3
98-06-6	tert-Butylbenzene	U	1	1.0	1	1	0.2
95-63-6	1,2,4-Trimethylbenzene	U	1	1.0	1	1	0.2
99-87-6	P-Isopropyltoluene	U	1	1.0	1	1	0.2
541-73-1	1,3-Dichlorobenzene	U	1	1.0	1	1	0.3
106-46-7	1,4-Dichlorobenzene	U	1	1.0	1	1	0.4
104-51-8	N-Butylbenzene	U	1	1.0	1	1	0.2
135-98-8	sec-Butylbenzene	U	1	1.0	1	1	0.3
95-50-1	1,2-Dichlorobenzene	U	1	1.0	1	1	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	1	1.0	1	1	0.3
87-68-3	Hexachlorobutadiene	U	1	1.0	1	1	0.4
120-82-1	1,2,4-Trichlorobenzene	U	1	1.0	1	1	0.3
526-73-8	1,2,3-Trimethylbenzene	U	1	1.0	1	1	0.2
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
87-61-6	1,2,3-Trichlorobenzene	U	1	1.0	1	1	0.2
1868-53-7	Dibromofluoromethane		110%				
17060-07-0	1,2-Dichloroethane-D4		*136%				
2037-26-5	Toluene-D8		100%				
460-00-4	P-Bromofluorobenzene		108%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SW-14-102005

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: WV5584

Matrix: (soil/water) WATER Lab Sample ID: WV5584-14

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: F9291

Level: (low/med) LOW Date Received: 10/21/05

% Moisture: not dec. _____ Date Analyzed: 10/26/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date:
Analysis Date: 26-OCT-2005 19:25
Report Date: 10/28/2005
Matrix: WATER
% Solids: NA

Lab ID: WV5584-16
Client ID: SW-15-102005
SDG: WV5584
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22067
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	2	1.0	2	2	0.5
74-87-3	Chloromethane	U	2	1.0	2	2	0.3
75-01-4	Vinyl chloride	U	2	1.0	2	2	0.3
74-83-9	Bromomethane	U	2	1.0	2	2	0.6
75-00-3	Chloroethane	U	2	1.0	2	2	0.3
75-69-4	Trichlorofluoromethane	U	2	1.0	2	2	0.3
75-65-0	Tertiary-butyl alcohol	U	5	1.0	5	5	0.4
75-35-4	1,1-Dichloroethene	U	1	1.0	1	1	0.4
75-15-0	Carbon Disulfide	J	0.7	1.0	1	1	0.3
76-13-1	Freon-113	U	1	1.0	1	1	0.2
75-09-2	Methylene Chloride	U	2	1.0	2	2	2
67-64-1	Acetone	U	5	1.0	5	5	2
156-60-5	trans-1,2-Dichloroethene	U	1	1.0	1	1	0.3
1634-04-4	Methyl tert-butyl ether	J	2	1.0	2	2	0.8
108-20-3	Di-isopropyl ether	U	1	1.0	1	1	0.2
75-34-3	1,1-Dichloroethane	U	1	1.0	1	1	0.4
637-92-3	Ethyl tertiary-butyl ether	U	1	1.0	1	1	0.08
108-05-4	Vinyl Acetate	U	1	1.0	1	1	0.3
156-59-2	cis-1,2-Dichloroethene	U	1	1.0	1	1	0.3
540-59-0	1,2-Dichloroethylene (total)	U	2	1.0	2	2	0.6
594-20-7	2,2-Dichloropropane	U	1	1.0	1	1	0.2
74-97-5	Bromochloromethane	U	1	1.0	1	1	0.2
67-66-3	Chloroform	U	1	1.0	1	1	0.4
56-23-5	Carbon Tetrachloride	U	1	1.0	1	1	0.3
71-55-6	1,1,1-Trichloroethane	U	1	1.0	1	1	0.2
563-58-6	1,1-Dichloropropene	U	1	1.0	1	1	0.2
78-93-3	2-Butanone	U	5	1.0	5	5	3
71-43-2	Benzene	U	1	1.0	1	1	0.3
994-05-8	Tertiary-amyl methyl ether	U	1	1.0	1	1	0.1
107-06-2	1,2-Dichloroethane	U	1	1.0	1	1	0.3
79-01-6	Trichloroethene	U	1	1.0	1	1	0.3
74-95-3	Dibromomethane	U	1	1.0	1	1	0.2
78-87-5	1,2-Dichloropropane	U	1	1.0	1	1	0.3
75-27-4	Bromodichloromethane	U	1	1.0	1	1	0.2
10061-01-5	cis-1,3-dichloropropene	U	1	1.0	1	1	0.3
110-75-8	2-Chloroethylvinylether	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	3
127-18-4	Tetrachloroethene	U	1	1.0	1	1	0.4
10061-02-6	trans-1,3-Dichloropropene	U	1	1.0	1	1	0.4
124-48-1	Dibromochloromethane	U	1	1.0	1	1	0.4
142-28-9	1,3-Dichloropropane	U	1	1.0	1	1	0.3
106-93-4	1,2-Dibromoethane	U	1	1.0	1	1	0.4

Sample Data Summary A0000027

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date:
Analysis Date: 26-OCT-2005 19:25
Report Date: 10/28/2005
Matrix: WATER
% Solids: NA

Lab ID: WV5584-16
Client ID: SW-15-102005
SDG: WV5584
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22067
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	1	1.0	1	1	0.2
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.2
630-20-6	1,1,1,2-Tetrachloroethane	U	1	1.0	1	1	0.2
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.8
	m+p-Xylenes	U	2	1.0	2	2	0.5
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
100-42-5	Styrene	U	1	1.0	1	1	0.6
75-25-2	Bromoform	U	1	1.0	1	1	0.5
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.3
108-86-1	Bromobenzene	U	1	1.0	1	1	0.2
103-65-1	N-Propylbenzene	U	1	1.0	1	1	0.3
79-34-5	1,1,2,2-Tetrachloroethane	U	1	1.0	1	1	0.5
95-49-8	2-Chlorotoluene	U	1	1.0	1	1	0.3
96-18-4	1,2,3-Trichloropropane	U	1	1.0	1	1	0.6
106-43-4	4-Chlorotoluene	U	1	1.0	1	1	0.3
98-06-6	tert-Butylbenzene	U	1	1.0	1	1	0.2
95-63-6	1,2,4-Trimethylbenzene	U	1	1.0	1	1	0.2
99-87-6	P-Isopropyltoluene	U	1	1.0	1	1	0.2
541-73-1	1,3-Dichlorobenzene	U	1	1.0	1	1	0.3
106-46-7	1,4-Dichlorobenzene	U	1	1.0	1	1	0.4
104-51-8	N-Butylbenzene	U	1	1.0	1	1	0.2
135-98-8	sec-Butylbenzene	U	1	1.0	1	1	0.3
95-50-1	1,2-Dichlorobenzene	U	1	1.0	1	1	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	1	1.0	1	1	0.3
87-68-3	Hexachlorobutadiene	U	1	1.0	1	1	0.4
120-82-1	1,2,4-Trichlorobenzene	U	1	1.0	1	1	0.3
526-73-8	1,2,3-Trimethylbenzene	U	1	1.0	1	1	0.2
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
87-61-6	1,2,3-Trichlorobenzene	U	1	1.0	1	1	0.2
1868-53-7	Dibromofluoromethane		111%				
17060-07-0	1,2-Dichloroethane-D4		*140%				
2037-26-5	Toluene-D8		96%				
460-00-4	P-Bromofluorobenzene		104%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SW-15-102005

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: WV5584

Matrix: (soil/water) WATER Lab Sample ID: WV5584-16

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: F9292

Level: (low/med) LOW Date Received: 10/21/05

% Moisture: not dec. _____ Date Analyzed: 10/26/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
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FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date:
Analysis Date: 26-OCT-2005 19:59
Report Date: 10/28/2005
Matrix: WATER
% Solids: NA

Lab ID: WV5584-18
Client ID: SW-16-102005
SDG: WV5584
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22067
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	2	1.0	2	2	0.5
74-87-3	Chloromethane	U	2	1.0	2	2	0.3
75-01-4	Vinyl chloride	U	2	1.0	2	2	0.3
74-83-9	Bromomethane	U	2	1.0	2	2	0.6
75-00-3	Chloroethane	U	2	1.0	2	2	0.3
75-69-4	Trichlorofluoromethane	U	2	1.0	2	2	0.3
75-65-0	Tertiary-butyl alcohol	U	5	1.0	5	5	0.4
75-35-4	1,1-Dichloroethene	U	1	1.0	1	1	0.4
75-15-0	Carbon Disulfide	U	1	1.0	1	1	0.3
76-13-1	Freon-113	U	1	1.0	1	1	0.2
75-09-2	Methylene Chloride	U	2	1.0	2	2	2
67-64-1	Acetone	U	5	1.0	5	5	2
156-60-5	trans-1,2-Dichloroethene	U	1	1.0	1	1	0.3
1634-04-4	Methyl tert-butyl ether	J	1	1.0	2	2	0.8
108-20-3	Di-isopropyl ether	U	1	1.0	1	1	0.2
75-34-3	1,1-Dichloroethane	U	1	1.0	1	1	0.4
637-92-3	Ethyl tertiary-butyl ether	U	1	1.0	1	1	0.08
108-05-4	Vinyl Acetate	U	1	1.0	1	1	0.3
156-59-2	cis-1,2-Dichloroethene	U	1	1.0	1	1	0.3
540-59-0	1,2-Dichloroethylene (total)	U	2	1.0	2	2	0.6
594-20-7	2,2-Dichloropropane	U	1	1.0	1	1	0.2
74-97-5	Bromochloromethane	U	1	1.0	1	1	0.2
67-66-3	Chloroform	U	1	1.0	1	1	0.4
56-23-5	Carbon Tetrachloride	U	1	1.0	1	1	0.3
71-55-6	1,1,1-Trichloroethane	U	1	1.0	1	1	0.2
563-58-6	1,1-Dichloropropene	U	1	1.0	1	1	0.2
78-93-3	2-Butanone	U	5	1.0	5	5	3
71-43-2	Benzene	U	1	1.0	1	1	0.3
994-05-8	Tertiary-amyl methyl ether	U	1	1.0	1	1	0.1
107-06-2	1,2-Dichloroethane	U	1	1.0	1	1	0.3
79-01-6	Trichloroethene	U	1	1.0	1	1	0.3
74-95-3	Dibromomethane	U	1	1.0	1	1	0.2
78-87-5	1,2-Dichloropropane	U	1	1.0	1	1	0.3
75-27-4	Bromodichloromethane	U	1	1.0	1	1	0.2
10061-01-5	cis-1,3-dichloropropene	U	1	1.0	1	1	0.3
110-75-8	2-Chloroethylvinylether	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	3
127-18-4	Tetrachloroethene	U	1	1.0	1	1	0.4
10061-02-6	trans-1,3-Dichloropropene	U	1	1.0	1	1	0.4
124-48-1	Dibromochloromethane	U	1	1.0	1	1	0.4
142-28-9	1,3-Dichloropropane	U	1	1.0	1	1	0.3
106-93-4	1,2-Dibromoethane	U	1	1.0	1	1	0.4

Sample Data Summary A0000030

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date:
Analysis Date: 26-OCT-2005 19:59
Report Date: 10/28/2005
Matrix: WATER
% Solids: NA

Lab ID: WV5584-18
Client ID: SW-16-102005
SDG: WV5584
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22067
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	1	1.0	1	1	0.2
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.2
630-20-6	1,1,1,2-Tetrachloroethane	U	1	1.0	1	1	0.2
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.8
	m+p-Xylenes	U	2	1.0	2	2	0.5
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
100-42-5	Styrene	U	1	1.0	1	1	0.6
75-25-2	Bromoform	U	1	1.0	1	1	0.5
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.3
108-86-1	Bromobenzene	U	1	1.0	1	1	0.2
103-65-1	N-Propylbenzene	U	1	1.0	1	1	0.3
79-34-5	1,1,2,2-Tetrachloroethane	U	1	1.0	1	1	0.5
95-49-8	2-Chlorotoluene	U	1	1.0	1	1	0.3
96-18-4	1,2,3-Trichloropropane	U	1	1.0	1	1	0.6
106-43-4	4-Chlorotoluene	U	1	1.0	1	1	0.3
98-06-6	tert-Butylbenzene	U	1	1.0	1	1	0.2
95-63-6	1,2,4-Trimethylbenzene	U	1	1.0	1	1	0.2
99-87-6	P-Isopropyltoluene	U	1	1.0	1	1	0.2
541-73-1	1,3-Dichlorobenzene	U	1	1.0	1	1	0.3
106-46-7	1,4-Dichlorobenzene	U	1	1.0	1	1	0.4
104-51-8	N-Butylbenzene	U	1	1.0	1	1	0.2
135-98-8	sec-Butylbenzene	U	1	1.0	1	1	0.3
95-50-1	1,2-Dichlorobenzene	U	1	1.0	1	1	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	1	1.0	1	1	0.3
87-68-3	Hexachlorobutadiene	U	1	1.0	1	1	0.4
120-82-1	1,2,4-Trichlorobenzene	U	1	1.0	1	1	0.3
526-73-8	1,2,3-Trimethylbenzene	U	1	1.0	1	1	0.2
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
87-61-6	1,2,3-Trichlorobenzene	U	1	1.0	1	1	0.2
1868-53-7	Dibromofluoromethane		106%				
17060-07-0	1,2-Dichloroethane-D4		*137%				
2037-26-5	Toluene-D8		93%				
460-00-4	P-Bromofluorobenzene		100%				

FORM I

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SW-16-102005

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: WV5584

Matrix: (soil/water) WATER Lab Sample ID: WV5584-18

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: F9293

Level: (low/med) LOW Date Received: 10/21/05

% Moisture: not dec. _____ Date Analyzed: 10/26/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date:
Analysis Date: 26-OCT-2005 20:33
Report Date: 10/28/2005
Matrix: WATER
% Solids: NA

Lab ID: WV5584-20
Client ID: SW-17-102005
SDG: WV5584
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22067
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	2	1.0	2	2	0.5
74-87-3	Chloromethane	U	2	1.0	2	2	0.3
75-01-4	Vinyl chloride	U	2	1.0	2	2	0.3
74-83-9	Bromomethane	U	2	1.0	2	2	0.6
75-00-3	Chloroethane	U	2	1.0	2	2	0.3
75-69-4	Trichlorofluoromethane	U	2	1.0	2	2	0.3
75-65-0	Tertiary-butyl alcohol	U	5	1.0	5	5	0.4
75-35-4	1,1-Dichloroethene	U	1	1.0	1	1	0.4
75-15-0	Carbon Disulfide	U	1	1.0	1	1	0.3
76-13-1	Freon-113	U	1	1.0	1	1	0.2
75-09-2	Methylene Chloride	U	2	1.0	2	2	2
67-64-1	Acetone	U	5	1.0	5	5	2
156-60-5	trans-1,2-Dichloroethene	U	1	1.0	1	1	0.3
1634-04-4	Methyl tert-butyl ether	J	1	1.0	2	2	0.8
108-20-3	Di-isopropyl ether	U	1	1.0	1	1	0.2
75-34-3	1,1-Dichloroethane	U	1	1.0	1	1	0.4
637-92-3	Ethyl tertiary-butyl ether	U	1	1.0	1	1	0.08
108-05-4	Vinyl Acetate	U	1	1.0	1	1	0.3
156-59-2	cis-1,2-Dichloroethene	U	1	1.0	1	1	0.3
540-59-0	1,2-Dichloroethylene (total)	U	2	1.0	2	2	0.6
594-20-7	2,2-Dichloropropane	U	1	1.0	1	1	0.2
74-97-5	Bromochloromethane	U	1	1.0	1	1	0.2
67-66-3	Chloroform	U	1	1.0	1	1	0.4
56-23-5	Carbon Tetrachloride	U	1	1.0	1	1	0.3
71-55-6	1,1,1-Trichloroethane	U	1	1.0	1	1	0.2
563-58-6	1,1-Dichloropropene	U	1	1.0	1	1	0.2
78-93-3	2-Butanone	U	5	1.0	5	5	3
71-43-2	Benzene	U	1	1.0	1	1	0.3
994-05-8	Tertiary-amyl methyl ether	U	1	1.0	1	1	0.1
107-06-2	1,2-Dichloroethane	U	1	1.0	1	1	0.3
79-01-6	Trichloroethene	U	1	1.0	1	1	0.3
74-95-3	Dibromomethane	U	1	1.0	1	1	0.2
78-87-5	1,2-Dichloropropane	U	1	1.0	1	1	0.3
75-27-4	Bromodichloromethane	U	1	1.0	1	1	0.2
10061-01-5	cis-1,3-dichloropropene	U	1	1.0	1	1	0.3
110-75-8	2-Chloroethylvinylether	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	3
127-18-4	Tetrachloroethene	U	1	1.0	1	1	0.4
10061-02-6	trans-1,3-Dichloropropene	U	1	1.0	1	1	0.4
124-48-1	Dibromochloromethane	U	1	1.0	1	1	0.4
142-28-9	1,3-Dichloropropane	U	1	1.0	1	1	0.3
106-93-4	1,2-Dibromoethane	U	1	1.0	1	1	0.4

Sample Data Summary A0000033

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date:
Analysis Date: 26-OCT-2005 20:33
Report Date: 10/28/2005
Matrix: WATER
% Solids: NA

Lab ID: WV5584-20
Client ID: SW-17-102005
SDG: WV5584
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22067
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	1	1.0	1	1	0.2
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.2
630-20-6	1,1,1,2-Tetrachloroethane	U	1	1.0	1	1	0.2
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.8
	m+p-Xylenes	U	2	1.0	2	2	0.5
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
100-42-5	Styrene	U	1	1.0	1	1	0.6
75-25-2	Bromoform	U	1	1.0	1	1	0.5
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.3
108-86-1	Bromobenzene	U	1	1.0	1	1	0.2
103-65-1	N-Propylbenzene	U	1	1.0	1	1	0.3
79-34-5	1,1,2,2-Tetrachloroethane	U	1	1.0	1	1	0.5
95-49-8	2-Chlorotoluene	U	1	1.0	1	1	0.3
96-18-4	1,2,3-Trichloropropane	U	1	1.0	1	1	0.6
106-43-4	4-Chlorotoluene	U	1	1.0	1	1	0.3
98-06-6	tert-Butylbenzene	U	1	1.0	1	1	0.2
95-63-6	1,2,4-Trimethylbenzene	U	1	1.0	1	1	0.2
99-87-6	P-Isopropyltoluene	U	1	1.0	1	1	0.2
541-73-1	1,3-Dichlorobenzene	U	1	1.0	1	1	0.3
106-46-7	1,4-Dichlorobenzene	U	1	1.0	1	1	0.4
104-51-8	N-Butylbenzene	U	1	1.0	1	1	0.2
135-98-8	sec-Butylbenzene	U	1	1.0	1	1	0.3
95-50-1	1,2-Dichlorobenzene	U	1	1.0	1	1	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	1	1.0	1	1	0.3
87-68-3	Hexachlorobutadiene	U	1	1.0	1	1	0.4
120-82-1	1,2,4-Trichlorobenzene	U	1	1.0	1	1	0.3
526-73-8	1,2,3-Trimethylbenzene	U	1	1.0	1	1	0.2
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
87-61-6	1,2,3-Trichlorobenzene	U	1	1.0	1	1	0.2
1868-53-7	Dibromofluoromethane		108%				
17060-07-0	1,2-Dichloroethane-D4		*141%				
2037-26-5	Toluene-D8		98%				
460-00-4	P-Bromofluorobenzene		103%				

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SW-17-102005

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: WV5584

Matrix: (soil/water) WATER Lab Sample ID: WV5584-20

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: F9294

Level: (low/med) LOW Date Received: 10/21/05

% Moisture: not dec. _____ Date Analyzed: 10/26/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume:_____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
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FORM I VOA-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date: 10/26/05
Analysis Date: 27-OCT-2005 21:21
Report Date: 10/31/2005
Matrix: WATER
% Solids: NA

Lab ID: WV5584-2
Client ID: SW-08-102005
SDG: WV5584
Extracted by: TR
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG22052
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
123-91-1	1,4-Dioxane	U	10	1.0	10	10	5
62-75-9	N-Nitrosodimethylamine	U	10	1.0	10	10	2
110-86-1	Pyridine	U	10	1.0	10	10	3
62-53-3	Aniline	U	10	1.0	10	10	3
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	2
108-95-2	Phenol	U	10	1.0	10	10	6
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	3
95-57-8	2-Chlorophenol	U	10	1.0	10	10	5
541-73-1	1,3-Dichlorobenzene	U	10	1.0	10	10	3
106-46-7	1,4-Dichlorobenzene	U	10	1.0	10	10	3
100-51-6	Benzyl alcohol	U	10	1.0	10	10	2
95-48-7	2-Methylphenol	U	10	1.0	10	10	5
95-50-1	1,2-Dichlorobenzene	U	10	1.0	10	10	3
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	3&4-Methylphenol	U	10	1.0	10	10	5
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	2
78-59-1	Isophorone	U	10	1.0	10	10	2
88-75-5	2-Nitrophenol	U	10	1.0	10	10	5
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	8
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	2
65-85-0	Benzoic acid	U	50	1.0	50	50	24
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	6
120-82-1	1,2,4-Trichlorobenzene	U	10	1.0	10	10	3
91-20-3	Naphthalene	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	4
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	4
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	6
91-57-6	2-Methylnaphthalene	U	10	1.0	10	10	4
90-12-0	1-Methylnaphthalene	U	10	1.0	10	10	5
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	2
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	7
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	7
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	3
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	3
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	3
208-96-8	Acenaphthylene	U	10	1.0	10	10	3
99-09-2	3-Nitroaniline	U	25	1.0	25	25	3
83-32-9	Acenaphthene	U	10	1.0	10	10	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	3
100-02-7	4-Nitrophenol	U	25	1.0	25	25	5

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date: 10/26/05
Analysis Date: 27-OCT-2005 21:21
Report Date: 10/31/2005
Matrix: WATER
% Solids: NA

Lab ID: WV5584-2
Client ID: SW-08-102005
SDG: WV5584
Extracted by: TR
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG22052
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	4
84-66-2	Diethylphthalate	U	10	1.0	10	10	2
86-73-7	Fluorene	U	10	1.0	10	10	2
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	3
100-01-6	4-Nitroaniline	U	25	1.0	25	25	5
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	10
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	8
103-33-3	Azobenzene	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	4
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	4
87-86-5	Pentachlorophenol	U	25	1.0	25	25	9
85-01-8	Phenanthrene	U	10	1.0	10	10	3
120-12-7	Anthracene	U	10	1.0	10	10	3
86-74-8	Carbazole	U	10	1.0	10	10	4
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	2
206-44-0	Fluoranthene	U	10	1.0	10	10	3
92-87-5	Benzidine	U	10	1.0	10	10	5
129-00-0	Pyrene	U	10	1.0	10	10	4
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	3
56-55-3	Benzo(a)anthracene	U	10	1.0	10	10	3
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	4
218-01-9	Chrysene	U	10	1.0	10	10	3
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	7
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	3
205-99-2	Benzo(b)fluoranthene	U	10	1.0	10	10	2
207-08-9	Benzo(k)fluoranthene	U	10	1.0	10	10	3
50-32-8	Benzo(a)pyrene	U	10	1.0	10	10	2
193-39-5	Indeno(1,2,3-cd)pyrene	U	10	1.0	10	10	2
53-70-3	Dibenzo(a,h)anthracene	U	10	1.0	10	10	2
191-24-2	Benzo(g,h,i)perylene	U	10	1.0	10	10	2
367-12-4	2-Fluorophenol		19%				
13127-88-3	Phenol-D6		16%				
4165-60-0	Nitrobenzene-D5		* 40%				
321-60-8	2-Fluorobiphenyl		40%				
118-79-6	2,4,6-Tribromophenol		26%				
1718-51-0	Terphenyl-D14		57%				

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SW-08-102005

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: WV5584

Matrix: (soil/water) WATER Lab Sample ID: WV5584-2

Sample wt/vol: 1.050 (g/L) L Lab File ID: X8971

Level: (low/med) LOW Date Received: 10/21/05

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/26/05

Concentrated Extract Volume: 0.001(L) Date Analyzed: 10/27/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 3

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	5.27	9	JB
2.		UNKNOWN	30.92	4	J
3.		UNKNOWN	31.34	6	J
4.					
5.					
6.					
7.					
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FORM I SV-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date: 10/26/05
Analysis Date: 28-OCT-2005 14:14
Report Date: 10/31/2005
Matrix: WATER
% Solids: NA

Lab ID: WV5584-4RA
Client ID: SW-09-102005
SDG: WV5584
Extracted by: TR
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG22052
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
123-91-1	1,4-Dioxane	U	10	1.0	10	10	5
62-75-9	N-Nitrosodimethylamine	U	10	1.0	10	10	2
110-86-1	Pyridine	U	10	1.0	10	10	3
62-53-3	Aniline	U	10	1.0	10	10	3
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	2
108-95-2	Phenol	U	10	1.0	10	10	6
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	3
95-57-8	2-Chlorophenol	U	10	1.0	10	10	5
541-73-1	1,3-Dichlorobenzene	U	10	1.0	10	10	3
106-46-7	1,4-Dichlorobenzene	U	10	1.0	10	10	3
100-51-6	Benzyl alcohol	U	10	1.0	10	10	2
95-48-7	2-Methylphenol	U	10	1.0	10	10	5
95-50-1	1,2-Dichlorobenzene	U	10	1.0	10	10	3
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	3&4-Methylphenol	U	10	1.0	10	10	5
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	2
78-59-1	Isophorone	U	10	1.0	10	10	2
88-75-5	2-Nitrophenol	U	10	1.0	10	10	6
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	8
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	2
65-85-0	Benzoic acid	U	50	1.0	50	50	24
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	6
120-82-1	1,2,4-Trichlorobenzene	U	10	1.0	10	10	3
91-20-3	Naphthalene	U	10	1.0	10	10	3
106-47-8	4-Chloroaniline	U	10	1.0	10	10	4
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	4
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	6
91-57-6	2-Methylnaphthalene	U	10	1.0	10	10	5
90-12-0	1-Methylnaphthalene	U	10	1.0	10	10	5
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	2
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	7
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	7
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	3
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	3
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	3
208-96-8	Acenaphthylene	U	10	1.0	10	10	3
99-09-2	3-Nitroaniline	U	25	1.0	25	25	3
83-32-9	Acenaphthene	U	10	1.0	10	10	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	3
100-02-7	4-Nitrophenol	U	25	1.0	25	25	5

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date: 10/26/05
Analysis Date: 28-OCT-2005 14:14
Report Date: 10/31/2005
Matrix: WATER
% Solids: NA

Lab ID: WV5584-4RA
Client ID: SW-09-102005
SDG: WV5584
Extracted by: TR
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG22052
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	4
84-66-2	Diethylphthalate	U	10	1.0	10	10	2
86-73-7	Fluorene	U	10	1.0	10	10	3
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	3
100-01-6	4-Nitroaniline	U	25	1.0	25	25	5
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	10
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	8
103-33-3	Azobenzene	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	4
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	4
87-86-5	Pentachlorophenol	U	25	1.0	25	25	9
85-01-8	Phenanthrene	U	10	1.0	10	10	3
120-12-7	Anthracene	U	10	1.0	10	10	3
86-74-8	Carbazole	U	10	1.0	10	10	4
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	2
206-44-0	Fluoranthene	U	10	1.0	10	10	3
92-87-5	Benzidine	U	10	1.0	10	10	5
129-00-0	Pyrene	U	10	1.0	10	10	4
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	3
56-55-3	Benzo(a)anthracene	U	10	1.0	10	10	3
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	4
218-01-9	Chrysene	U	10	1.0	10	10	3
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	7
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	3
205-99-2	Benzo(b)fluoranthene	U	10	1.0	10	10	2
207-08-9	Benzo(k)fluoranthene	U	10	1.0	10	10	3
50-32-8	Benzo(a)pyrene	U	10	1.0	10	10	2
193-39-5	Indeno(1,2,3-cd)pyrene	U	10	1.0	10	10	2
53-70-3	Dibenzo(a,h)anthracene	U	10	1.0	10	10	2
191-24-2	Benzo(g,h,i)perylene	U	10	1.0	10	10	2
367-12-4	2-Fluorophenol		* 16%				
13127-88-3	Phenol-D6		16%				
4165-60-0	Nitrobenzene-D5		* 33%				
321-60-8	2-Fluorobiphenyl		* 36%				
118-79-6	2,4,6-Tribromophenol		32%				
1718-51-0	Terphenyl-D14		47%				

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SW-09-102005

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: WV5584

Matrix: (soil/water) WATER Lab Sample ID: WV5584-4RA

Sample wt/vol: 1.030 (g/L) L Lab File ID: X8990

Level: (low/med) LOW Date Received: 10/21/05

% Moisture: _____ decanted: (Y/N)___ Date Extracted:

Concentrated Extract Volume: 0.001(L) Date Analyzed: 10/28/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	5.24	6	JB
2.					
3.					
4.					
5.					
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FORM I SV-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date: 10/26/05
Analysis Date: 27-OCT-2005 22:50
Report Date: 10/31/2005
Matrix: WATER
% Solids: NA

Lab ID: WV5584-6
Client ID: SW-10-102005
SDG: WV5584
Extracted by: TR
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG22052
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
123-91-1	1,4-Dioxane	U	10	1.0	10	10	5
62-75-9	N-Nitrosodimethylamine	U	10	1.0	10	10	2
110-86-1	Pyridine	U	10	1.0	10	10	3
62-53-3	Aniline	U	10	1.0	10	10	3
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	2
108-95-2	Phenol	U	10	1.0	10	10	6
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	3
95-57-8	2-Chlorophenol	U	10	1.0	10	10	5
541-73-1	1,3-Dichlorobenzene	U	10	1.0	10	10	3
106-46-7	1,4-Dichlorobenzene	U	10	1.0	10	10	3
100-51-6	Benzyl alcohol	U	10	1.0	10	10	2
95-48-7	2-Methylphenol	U	10	1.0	10	10	5
95-50-1	1,2-Dichlorobenzene	U	10	1.0	10	10	3
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	3&4-Methylphenol	U	10	1.0	10	10	5
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	2
78-59-1	Isophorone	U	10	1.0	10	10	2
88-75-5	2-Nitrophenol	U	10	1.0	10	10	5
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	7
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	2
65-85-0	Benzoic acid	U	50	1.0	50	50	24
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	6
120-82-1	1,2,4-Trichlorobenzene	U	10	1.0	10	10	3
91-20-3	Naphthalene	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	4
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	4
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	6
91-57-6	2-Methylnaphthalene	U	10	1.0	10	10	4
90-12-0	1-Methylnaphthalene	U	10	1.0	10	10	5
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	2
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	7
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	7
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	3
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	3
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	3
208-96-8	Acenaphthylene	U	10	1.0	10	10	3
99-09-2	3-Nitroaniline	U	25	1.0	25	25	3
83-32-9	Acenaphthene	U	10	1.0	10	10	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	3
100-02-7	4-Nitrophenol	U	25	1.0	25	25	5

Sample Data Summary A0000062

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date: 10/26/05
Analysis Date: 27-OCT-2005 22:50
Report Date: 10/31/2005
Matrix: WATER
% Solids: NA

Lab ID: WV5584-6
Client ID: SW-10-102005
SDG: WV5584
Extracted by: TR
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG22052
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	4
84-66-2	Diethylphthalate	U	10	1.0	10	10	2
86-73-7	Fluorene	U	10	1.0	10	10	2
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	3
100-01-6	4-Nitroaniline	U	25	1.0	25	25	5
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	10
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	8
103-33-3	Azobenzene	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	4
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	4
87-86-5	Pentachlorophenol	U	25	1.0	25	25	9
85-01-8	Phenanthrene	U	10	1.0	10	10	3
120-12-7	Anthracene	U	10	1.0	10	10	3
86-74-8	Carbazole	U	10	1.0	10	10	4
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	2
206-44-0	Fluoranthene	U	10	1.0	10	10	3
92-87-5	Benzidine	U	10	1.0	10	10	5
129-00-0	Pyrene	U	10	1.0	10	10	4
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	3
56-55-3	Benzo(a)anthracene	U	10	1.0	10	10	3
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	4
218-01-9	Chrysene	U	10	1.0	10	10	3
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	7
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	3
205-99-2	Benzo(b)fluoranthene	U	10	1.0	10	10	2
207-08-9	Benzo(k)fluoranthene	U	10	1.0	10	10	3
50-32-8	Benzo(a)pyrene	U	10	1.0	10	10	2
193-39-5	Indeno(1,2,3-cd)pyrene	U	10	1.0	10	10	2
53-70-3	Dibenzo(a,h)anthracene	U	10	1.0	10	10	2
191-24-2	Benzo(g,h,i)perylene	U	10	1.0	10	10	2
367-12-4	2-Fluorophenol		30%				
13127-88-3	Phenol-D6		24%				
4165-60-0	Nitrobenzene-D5		59%				
321-60-8	2-Fluorobiphenyl		56%				
118-79-6	2,4,6-Tribromophenol		36%				
1718-51-0	Terphenyl-D14		74%				

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SW-10-102005

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: WV5584

Matrix: (soil/water) WATER Lab Sample ID: WV5584-6

Sample wt/vol: 1.060 (g/L) L Lab File ID: X8973

Level: (low/med) LOW Date Received: 10/21/05

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/26/05

Concentrated Extract Volume: 0.001(L) Date Analyzed: 10/27/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 5

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	2.46	6	J
2.		UNKNOWN	5.26	10	JB
3.	105-60-2	CAPROLACTAM	12.55	4	NJ
4.		UNKNOWN	28.92	20	J
5.		UNKNOWN	30.15	9	J
6.					
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FORM I SV-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date: 10/26/05
Analysis Date: 27-OCT-2005 23:35
Report Date: 10/31/2005
Matrix: WATER
% Solids: NA

Lab ID: WV5584-8
Client ID: SW-11-102005
SDG: WV5584
Extracted by: TR
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG22052
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
123-91-1	1,4-Dioxane	U	10	1.0	10	10	5
62-75-9	N-Nitrosodimethylamine	U	10	1.0	10	10	2
110-86-1	Pyridine	U	10	1.0	10	10	3
62-53-3	Aniline	U	10	1.0	10	10	3
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	2
108-95-2	Phenol	U	10	1.0	10	10	6
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	3
95-57-8	2-Chlorophenol	U	10	1.0	10	10	5
541-73-1	1,3-Dichlorobenzene	U	10	1.0	10	10	3
106-46-7	1,4-Dichlorobenzene	U	10	1.0	10	10	3
100-51-6	Benzyl alcohol	U	10	1.0	10	10	2
95-48-7	2-Methylphenol	U	10	1.0	10	10	5
95-50-1	1,2-Dichlorobenzene	U	10	1.0	10	10	3
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	3&4-Methylphenol	U	10	1.0	10	10	5
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	2
78-59-1	Isophorone	U	10	1.0	10	10	2
88-75-5	2-Nitrophenol	U	10	1.0	10	10	5
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	8
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	2
65-85-0	Benzoic acid	U	50	1.0	50	50	24
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	6
120-82-1	1,2,4-Trichlorobenzene	U	10	1.0	10	10	3
91-20-3	Naphthalene	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	4
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	4
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	6
91-57-6	2-Methylnaphthalene	U	10	1.0	10	10	4
90-12-0	1-Methylnaphthalene	U	10	1.0	10	10	5
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	2
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	7
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	7
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	3
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	3
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	3
208-96-8	Acenaphthylene	U	10	1.0	10	10	3
99-09-2	3-Nitroaniline	U	25	1.0	25	25	3
83-32-9	Acenaphthene	U	10	1.0	10	10	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	3
100-02-7	4-Nitrophenol	U	25	1.0	25	25	5

Sample Data Summary A0000065

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date: 10/26/05
Analysis Date: 27-OCT-2005 23:35
Report Date: 10/31/2005
Matrix: WATER
% Solids: NA

Lab ID: WV5584-8
Client ID: SW-11-102005
SDG: WV5584
Extracted by: TR
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG22052
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	4
84-66-2	Diethylphthalate	U	10	1.0	10	10	2
86-73-7	Fluorene	U	10	1.0	10	10	2
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	3
100-01-6	4-Nitroaniline	U	25	1.0	25	25	5
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	10
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	8
103-33-3	Azobenzene	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	4
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	4
87-86-5	Pentachlorophenol	U	25	1.0	25	25	9
85-01-8	Phenanthrene	U	10	1.0	10	10	3
120-12-7	Anthracene	U	10	1.0	10	10	3
86-74-8	Carbazole	U	10	1.0	10	10	4
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	2
206-44-0	Fluoranthene	U	10	1.0	10	10	3
92-87-5	Benzidine	U	10	1.0	10	10	5
129-00-0	Pyrene	U	10	1.0	10	10	4
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	3
56-55-3	Benzo(a)anthracene	U	10	1.0	10	10	3
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	4
218-01-9	Chrysene	U	10	1.0	10	10	3
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	7
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	3
205-99-2	Benzo(b)fluoranthene	U	10	1.0	10	10	2
207-08-9	Benzo(k)fluoranthene	U	10	1.0	10	10	3
50-32-8	Benzo(a)pyrene	U	10	1.0	10	10	2
193-39-5	Indeno(1,2,3-cd)pyrene	U	10	1.0	10	10	2
53-70-3	Dibenzo(a,h)anthracene	U	10	1.0	10	10	2
191-24-2	Benzo(g,h,i)perylene	U	10	1.0	10	10	2
367-12-4	2-Fluorophenol		24%				
13127-88-3	Phenol-D6		20%				
4165-60-0	Nitrobenzene-D5		* 41%				
321-60-8	2-Fluorobiphenyl		51%				
118-79-6	2,4,6-Tribromophenol		30%				
1718-51-0	Terphenyl-D14		59%				

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SW-11-102005

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: WV5584

Matrix: (soil/water) WATER Lab Sample ID: WV5584-8

Sample wt/vol: 1.050 (g/L) L Lab File ID: X8974

Level: (low/med) LOW Date Received: 10/21/05

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/26/05

Concentrated Extract Volume: 0.001(L) Date Analyzed: 10/27/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	5.26	9	JB
2.					
3.					
4.					
5.					
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FORM I SV-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date: 10/26/05
Analysis Date: 28-OCT-2005 00:19
Report Date: 10/31/2005
Matrix: WATER
% Solids: NA

Lab ID: WV5584-10
Client ID: SW-12-102005
SDG: WV5584
Extracted by: TR
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG22052
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
123-91-1	1,4-Dioxane	U	10	1.0	10	10	5
62-75-9	N-Nitrosodimethylamine	U	10	1.0	10	10	2
110-86-1	Pyridine	U	10	1.0	10	10	3
62-53-3	Aniline	U	10	1.0	10	10	3
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	2
108-95-2	Phenol	U	10	1.0	10	10	6
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	3
95-57-8	2-Chlorophenol	U	10	1.0	10	10	5
541-73-1	1,3-Dichlorobenzene	U	10	1.0	10	10	3
106-46-7	1,4-Dichlorobenzene	U	10	1.0	10	10	3
100-51-6	Benzyl alcohol	U	10	1.0	10	10	2
95-48-7	2-Methylphenol	U	10	1.0	10	10	5
95-50-1	1,2-Dichlorobenzene	U	10	1.0	10	10	3
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	3&4-Methylphenol	U	10	1.0	10	10	5
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	2
78-59-1	Isophorone	U	10	1.0	10	10	2
88-75-5	2-Nitrophenol	U	10	1.0	10	10	6
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	8
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	2
65-85-0	Benzoic acid	U	50	1.0	50	50	24
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	6
120-82-1	1,2,4-Trichlorobenzene	U	10	1.0	10	10	3
91-20-3	Naphthalene	U	10	1.0	10	10	3
106-47-8	4-Chloroaniline	U	10	1.0	10	10	4
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	4
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	6
91-57-6	2-Methylnaphthalene	U	10	1.0	10	10	5
90-12-0	1-Methylnaphthalene	U	10	1.0	10	10	5
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	2
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	7
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	7
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	3
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	3
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	3
208-96-8	Acenaphthylene	U	10	1.0	10	10	3
99-09-2	3-Nitroaniline	U	25	1.0	25	25	3
83-32-9	Acenaphthene	U	10	1.0	10	10	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	3
100-02-7	4-Nitrophenol	U	25	1.0	25	25	5

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date: 10/26/05
Analysis Date: 28-OCT-2005 00:19
Report Date: 10/31/2005
Matrix: WATER
% Solids: NA

Lab ID: WV5584-10
Client ID: SW-12-102005
SDG: WV5584
Extracted by: TR
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG22052
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	4
84-66-2	Diethylphthalate	U	10	1.0	10	10	2
86-73-7	Fluorene	U	10	1.0	10	10	3
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	3
100-01-6	4-Nitroaniline	U	25	1.0	25	25	5
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	10
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	8
103-33-3	Azobenzene	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	4
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	4
87-86-5	Pentachlorophenol	U	25	1.0	25	25	9
85-01-8	Phenanthrene	U	10	1.0	10	10	3
120-12-7	Anthracene	U	10	1.0	10	10	3
86-74-8	Carbazole	U	10	1.0	10	10	4
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	2
206-44-0	Fluoranthene	U	10	1.0	10	10	3
92-87-5	Benzidine	U	10	1.0	10	10	5
129-00-0	Pyrene	U	10	1.0	10	10	4
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	3
56-55-3	Benzo(a)anthracene	U	10	1.0	10	10	3
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	4
218-01-9	Chrysene	U	10	1.0	10	10	3
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	7
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	3
205-99-2	Benzo(b)fluoranthene	U	10	1.0	10	10	2
207-08-9	Benzo(k)fluoranthene	U	10	1.0	10	10	3
50-32-8	Benzo(a)pyrene	U	10	1.0	10	10	2
193-39-5	Indeno(1,2,3-cd)pyrene	U	10	1.0	10	10	2
53-70-3	Dibenzo(a,h)anthracene	U	10	1.0	10	10	2
191-24-2	Benzo(g,h,i)perylene	U	10	1.0	10	10	2
367-12-4	2-Fluorophenol		22%				
13127-88-3	Phenol-D6		19%				
4165-60-0	Nitrobenzene-D5		* 40%				
321-60-8	2-Fluorobiphenyl		46%				
118-79-6	2,4,6-Tribromophenol		23%				
1718-51-0	Terphenyl-D14		54%				

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SW-12-102005

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: WV5584

Matrix: (soil/water) WATER Lab Sample ID: WV5584-10

Sample wt/vol: 1.030 (g/L) L Lab File ID: X8975

Level: (low/med) LOW Date Received: 10/21/05

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/26/05

Concentrated Extract Volume: 0.001(L) Date Analyzed: 10/28/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	5.27	10	JB
2.		UNKNOWN	29.27	5	J
3.					
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FORM I SV-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date: 10/26/05
Analysis Date: 28-OCT-2005 01:03
Report Date: 10/31/2005
Matrix: WATER
% Solids: NA

Lab ID: WV5584-12
Client ID: SW-13-102005
SDG: WV5584
Extracted by: TR
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG22052
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
123-91-1	1,4-Dioxane	U	10	1.0	10	10	5
62-75-9	N-Nitrosodimethylamine	U	10	1.0	10	10	2
110-86-1	Pyridine	U	10	1.0	10	10	3
62-53-3	Aniline	U	10	1.0	10	10	3
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	2
108-95-2	Phenol	U	10	1.0	10	10	6
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	3
95-57-8	2-Chlorophenol	U	10	1.0	10	10	5
541-73-1	1,3-Dichlorobenzene	U	10	1.0	10	10	3
106-46-7	1,4-Dichlorobenzene	U	10	1.0	10	10	3
100-51-6	Benzyl alcohol	U	10	1.0	10	10	2
95-48-7	2-Methylphenol	U	10	1.0	10	10	5
95-50-1	1,2-Dichlorobenzene	U	10	1.0	10	10	3
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	3&4-Methylphenol	U	10	1.0	10	10	5
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	2
78-59-1	Isophorone	U	10	1.0	10	10	2
88-75-5	2-Nitrophenol	U	10	1.0	10	10	5
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	8
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	2
65-85-0	Benzoic acid	U	50	1.0	50	50	24
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	6
120-82-1	1,2,4-Trichlorobenzene	U	10	1.0	10	10	3
91-20-3	Naphthalene	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	4
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	4
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	6
91-57-6	2-Methylnaphthalene	U	10	1.0	10	10	4
90-12-0	1-Methylnaphthalene	U	10	1.0	10	10	5
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	2
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	7
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	7
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	3
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	3
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	3
208-96-8	Acenaphthylene	U	10	1.0	10	10	3
99-09-2	3-Nitroaniline	U	25	1.0	25	25	3
83-32-9	Acenaphthene	U	10	1.0	10	10	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	3
100-02-7	4-Nitrophenol	U	25	1.0	25	25	5

Sample Data Summary A0000071

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date: 10/26/05
Analysis Date: 28-OCT-2005 01:03
Report Date: 10/31/2005
Matrix: WATER
% Solids: NA

Lab ID: WV5584-12
Client ID: SW-13-102005
SDG: WV5584
Extracted by: TR
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG22052
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	4
84-66-2	Diethylphthalate	U	10	1.0	10	10	2
86-73-7	Fluorene	U	10	1.0	10	10	2
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	3
100-01-6	4-Nitroaniline	U	25	1.0	25	25	5
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	10
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	8
103-33-3	Azobenzene	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	4
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	4
87-86-5	Pentachlorophenol	U	25	1.0	25	25	9
85-01-8	Phenanthrene	U	10	1.0	10	10	3
120-12-7	Anthracene	U	10	1.0	10	10	3
86-74-8	Carbazole	U	10	1.0	10	10	4
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	2
206-44-0	Fluoranthene	U	10	1.0	10	10	3
92-87-5	Benzidine	U	10	1.0	10	10	5
129-00-0	Pyrene	U	10	1.0	10	10	4
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	3
56-55-3	Benzo(a)anthracene	U	10	1.0	10	10	3
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	4
218-01-9	Chrysene	U	10	1.0	10	10	3
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	7
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	3
205-99-2	Benzo(b)fluoranthene	U	10	1.0	10	10	2
207-08-9	Benzo(k)fluoranthene	U	10	1.0	10	10	3
50-32-8	Benzo(a)pyrene	U	10	1.0	10	10	2
193-39-5	Indeno(1,2,3-cd)pyrene	U	10	1.0	10	10	2
53-70-3	Dibenzo(a,h)anthracene	U	10	1.0	10	10	2
191-24-2	Benzo(g,h,i)perylene	U	10	1.0	10	10	2
367-12-4	2-Fluorophenol		43%				
13127-88-3	Phenol-D6		36%				
4165-60-0	Nitrobenzene-D5		98%				
321-60-8	2-Fluorobiphenyl		84%				
118-79-6	2,4,6-Tribromophenol		41%				
1718-51-0	Terphenyl-D14		92%				

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SW-13-102005

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: WV5584

Matrix: (soil/water) WATER Lab Sample ID: WV5584-12

Sample wt/vol: 1.050 (g/L) L Lab File ID: X8976

Level: (low/med) LOW Date Received: 10/21/05

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/26/05

Concentrated Extract Volume: 0.001(L) Date Analyzed: 10/28/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 5

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	592-76-7	1-HEPTENE	2.45	7	NJ
2.		UNKNOWN ALKANE	2.55	100	J
3.		UNKNOWN	4.32	4	J
4.		UNKNOWN	5.25	20	JB
5.		UNKNOWN	28.30	4	J
6.					
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KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date: 10/26/05
Analysis Date: 28-OCT-2005 01:48
Report Date: 10/31/2005
Matrix: WATER
% Solids: NA

Lab ID: WV5584-14
Client ID: SW-14-102005
SDG: WV5584
Extracted by: TR
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG22052
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
123-91-1	1,4-Dioxane	U	10	1.0	10	10	5
62-75-9	N-Nitrosodimethylamine	U	10	1.0	10	10	2
110-86-1	Pyridine	U	10	1.0	10	10	3
62-53-3	Aniline	U	10	1.0	10	10	3
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	2
108-95-2	Phenol	U	10	1.0	10	10	6
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	3
95-57-8	2-Chlorophenol	U	10	1.0	10	10	5
541-73-1	1,3-Dichlorobenzene	U	10	1.0	10	10	3
106-46-7	1,4-Dichlorobenzene	U	10	1.0	10	10	3
100-51-6	Benzyl alcohol	U	10	1.0	10	10	2
95-48-7	2-Methylphenol	U	10	1.0	10	10	5
95-50-1	1,2-Dichlorobenzene	U	10	1.0	10	10	3
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	3&4-Methylphenol	U	10	1.0	10	10	5
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	2
78-59-1	Isophorone	U	10	1.0	10	10	2
88-75-5	2-Nitrophenol	U	10	1.0	10	10	5
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	7
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	2
65-85-0	Benzoic acid	U	50	1.0	50	50	24
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	6
120-82-1	1,2,4-Trichlorobenzene	U	10	1.0	10	10	3
91-20-3	Naphthalene	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	4
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	4
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	6
91-57-6	2-Methylnaphthalene	U	10	1.0	10	10	4
90-12-0	1-Methylnaphthalene	U	10	1.0	10	10	5
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	2
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	7
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	7
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	3
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	3
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	3
208-96-8	Acenaphthylene	U	10	1.0	10	10	3
99-09-2	3-Nitroaniline	U	25	1.0	25	25	3
83-32-9	Acenaphthene	U	10	1.0	10	10	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	3
100-02-7	4-Nitrophenol	U	25	1.0	25	25	5

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date: 10/26/05
Analysis Date: 28-OCT-2005 01:48
Report Date: 10/31/2005
Matrix: WATER
% Solids: NA

Lab ID: WV5584-14
Client ID: SW-14-102005
SDG: WV5584
Extracted by: TR
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG22052
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	4
84-66-2	Diethylphthalate	U	10	1.0	10	10	2
86-73-7	Fluorene	U	10	1.0	10	10	2
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	3
100-01-6	4-Nitroaniline	U	25	1.0	25	25	5
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	10
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	8
103-33-3	Azobenzene	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	4
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	4
87-86-5	Pentachlorophenol	U	25	1.0	25	25	9
85-01-8	Phenanthrene	U	10	1.0	10	10	3
120-12-7	Anthracene	U	10	1.0	10	10	3
86-74-8	Carbazole	U	10	1.0	10	10	4
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	2
206-44-0	Fluoranthene	U	10	1.0	10	10	3
92-87-5	Benzidine	U	10	1.0	10	10	5
129-00-0	Pyrene	U	10	1.0	10	10	4
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	3
56-55-3	Benzo(a)anthracene	U	10	1.0	10	10	3
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	4
218-01-9	Chrysene	U	10	1.0	10	10	3
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	7
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	3
205-99-2	Benzo(b)fluoranthene	U	10	1.0	10	10	2
207-08-9	Benzo(k)fluoranthene	U	10	1.0	10	10	3
50-32-8	Benzo(a)pyrene	U	10	1.0	10	10	2
193-39-5	Indeno(1,2,3-cd)pyrene	U	10	1.0	10	10	2
53-70-3	Dibenzo(a,h)anthracene	U	10	1.0	10	10	2
191-24-2	Benzo(g,h,i)perylene	U	10	1.0	10	10	2
367-12-4	2-Fluorophenol		35%				
13127-88-3	Phenol-D6		30%				
4165-60-0	Nitrobenzene-D5		63%				
321-60-8	2-Fluorobiphenyl		68%				
118-79-6	2,4,6-Tribromophenol		37%				
1718-51-0	Terphenyl-D14		67%				

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SW-14-102005

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: WV5584

Matrix: (soil/water) WATER Lab Sample ID: WV5584-14

Sample wt/vol: 1.060 (g/L) L Lab File ID: X8977

Level: (low/med) LOW Date Received: 10/21/05

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/26/05

Concentrated Extract Volume: 0.001(L) Date Analyzed: 10/28/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 3

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN ALKANE	2.56	40	J
2.		UNKNOWN	5.26	20	JB
3.		UNKNOWN	8.12	4	J
4.					
5.					
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FORM I SV-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date: 10/26/05
Analysis Date: 28-OCT-2005 02:32
Report Date: 10/31/2005
Matrix: WATER
% Solids: NA

Lab ID: WV5584-16
Client ID: SW-15-102005
SDG: WV5584
Extracted by: TR
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG22052
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
123-91-1	1,4-Dioxane	U	10	1.0	10	10	5
62-75-9	N-Nitrosodimethylamine	U	10	1.0	10	10	2
110-86-1	Pyridine	U	10	1.0	10	10	3
62-53-3	Aniline	U	10	1.0	10	10	3
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	2
108-95-2	Phenol	U	10	1.0	10	10	6
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	3
95-57-8	2-Chlorophenol	U	10	1.0	10	10	5
541-73-1	1,3-Dichlorobenzene	U	10	1.0	10	10	3
106-46-7	1,4-Dichlorobenzene	U	10	1.0	10	10	3
100-51-6	Benzyl alcohol	U	10	1.0	10	10	2
95-48-7	2-Methylphenol	U	10	1.0	10	10	5
95-50-1	1,2-Dichlorobenzene	U	10	1.0	10	10	3
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	3&4-Methylphenol	U	10	1.0	10	10	5
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	2
78-59-1	Isophorone	U	10	1.0	10	10	2
88-75-5	2-Nitrophenol	U	10	1.0	10	10	5
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	7
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	2
65-85-0	Benzoic acid	U	50	1.0	50	50	24
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	6
120-82-1	1,2,4-Trichlorobenzene	U	10	1.0	10	10	3
91-20-3	Naphthalene	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	4
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	4
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	6
91-57-6	2-Methylnaphthalene	U	10	1.0	10	10	4
90-12-0	1-Methylnaphthalene	U	10	1.0	10	10	5
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	2
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	7
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	7
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	3
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	3
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	3
208-96-8	Acenaphthylene	U	10	1.0	10	10	3
99-09-2	3-Nitroaniline	U	25	1.0	25	25	3
83-32-9	Acenaphthene	U	10	1.0	10	10	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	3
100-02-7	4-Nitrophenol	U	25	1.0	25	25	5

Sample Data Summary A0000077

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date: 10/26/05
Analysis Date: 28-OCT-2005 02:32
Report Date: 10/31/2005
Matrix: WATER
% Solids: NA

Lab ID: WV5584-16
Client ID: SW-15-102005
SDG: WV5584
Extracted by: TR
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG22052
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	4
84-66-2	Diethylphthalate	U	10	1.0	10	10	2
86-73-7	Fluorene	U	10	1.0	10	10	2
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	3
100-01-6	4-Nitroaniline	U	25	1.0	25	25	5
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	10
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	8
103-33-3	Azobenzene	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	4
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	4
87-86-5	Pentachlorophenol	U	25	1.0	25	25	9
85-01-8	Phenanthrene	U	10	1.0	10	10	3
120-12-7	Anthracene	U	10	1.0	10	10	3
86-74-8	Carbazole	U	10	1.0	10	10	4
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	2
206-44-0	Fluoranthene	U	10	1.0	10	10	3
92-87-5	Benzidine	U	10	1.0	10	10	5
129-00-0	Pyrene	U	10	1.0	10	10	4
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	3
56-55-3	Benzo(a)anthracene	U	10	1.0	10	10	3
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	4
218-01-9	Chrysene	U	10	1.0	10	10	3
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	7
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	3
205-99-2	Benzo(b)fluoranthene	U	10	1.0	10	10	2
207-08-9	Benzo(k)fluoranthene	U	10	1.0	10	10	3
50-32-8	Benzo(a)pyrene	U	10	1.0	10	10	2
193-39-5	Indeno(1,2,3-cd)pyrene	U	10	1.0	10	10	2
53-70-3	Dibenzo(a,h)anthracene	U	10	1.0	10	10	2
191-24-2	Benzo(g,h,i)perylene	U	10	1.0	10	10	2
367-12-4	2-Fluorophenol		36%				
13127-88-3	Phenol-D6		33%				
4165-60-0	Nitrobenzene-D5		66%				
321-60-8	2-Fluorobiphenyl		65%				
118-79-6	2,4,6-Tribromophenol		44%				
1718-51-0	Terphenyl-D14		94%				

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SW-15-102005

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: WV5584

Matrix: (soil/water) WATER Lab Sample ID: WV5584-16

Sample wt/vol: 1.060 (g/L) L Lab File ID: X8978

Level: (low/med) LOW Date Received: 10/21/05

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/26/05

Concentrated Extract Volume: 0.001(L) Date Analyzed: 10/28/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN ALKANE	2.54	60	JB
2.		UNKNOWN	5.25	20	JB
3.					
4.					
5.					
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KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date: 10/26/05
Analysis Date: 28-OCT-2005 03:17
Report Date: 10/31/2005
Matrix: WATER
% Solids: NA

Lab ID: WV5584-18
Client ID: SW-16-102005
SDG: WV5584
Extracted by: TR
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG22052
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
123-91-1	1,4-Dioxane	U	10	1.0	10	10	5
62-75-9	N-Nitrosodimethylamine	U	10	1.0	10	10	2
110-86-1	Pyridine	U	10	1.0	10	10	3
62-53-3	Aniline	U	10	1.0	10	10	3
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	2
108-95-2	Phenol	U	10	1.0	10	10	6
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	3
95-57-8	2-Chlorophenol	U	10	1.0	10	10	5
541-73-1	1,3-Dichlorobenzene	U	10	1.0	10	10	3
106-46-7	1,4-Dichlorobenzene	U	10	1.0	10	10	3
100-51-6	Benzyl alcohol	U	10	1.0	10	10	2
95-48-7	2-Methylphenol	U	10	1.0	10	10	5
95-50-1	1,2-Dichlorobenzene	U	10	1.0	10	10	3
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	3&4-Methylphenol	U	10	1.0	10	10	5
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	2
78-59-1	Isophorone	U	10	1.0	10	10	2
88-75-5	2-Nitrophenol	U	10	1.0	10	10	6
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	8
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	2
65-85-0	Benzoic acid	U	50	1.0	50	50	24
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	6
120-82-1	1,2,4-Trichlorobenzene	U	10	1.0	10	10	3
91-20-3	Naphthalene	U	10	1.0	10	10	3
106-47-8	4-Chloroaniline	U	10	1.0	10	10	4
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	4
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	6
91-57-6	2-Methylnaphthalene	U	10	1.0	10	10	5
90-12-0	1-Methylnaphthalene	U	10	1.0	10	10	5
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	2
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	7
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	7
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	3
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	3
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	3
208-96-8	Acenaphthylene	U	10	1.0	10	10	3
99-09-2	3-Nitroaniline	U	25	1.0	25	25	3
83-32-9	Acenaphthene	U	10	1.0	10	10	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	3
100-02-7	4-Nitrophenol	U	25	1.0	25	25	5

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date: 10/26/05
Analysis Date: 28-OCT-2005 03:17
Report Date: 10/31/2005
Matrix: WATER
% Solids: NA

Lab ID: WV5584-18
Client ID: SW-16-102005
SDG: WV5584
Extracted by: TR
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG22052
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	4
84-66-2	Diethylphthalate	U	10	1.0	10	10	2
86-73-7	Fluorene	U	10	1.0	10	10	3
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	3
100-01-6	4-Nitroaniline	U	25	1.0	25	25	5
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	10
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	8
103-33-3	Azobenzene	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	4
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	4
87-86-5	Pentachlorophenol	U	25	1.0	25	25	9
85-01-8	Phenanthrene	U	10	1.0	10	10	3
120-12-7	Anthracene	U	10	1.0	10	10	3
86-74-8	Carbazole	U	10	1.0	10	10	4
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	2
206-44-0	Fluoranthene	U	10	1.0	10	10	3
92-87-5	Benzidine	U	10	1.0	10	10	5
129-00-0	Pyrene	U	10	1.0	10	10	4
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	3
56-55-3	Benzo(a)anthracene	U	10	1.0	10	10	3
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	4
218-01-9	Chrysene	U	10	1.0	10	10	3
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	7
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	3
205-99-2	Benzo(b)fluoranthene	U	10	1.0	10	10	2
207-08-9	Benzo(k)fluoranthene	U	10	1.0	10	10	3
50-32-8	Benzo(a)pyrene	U	10	1.0	10	10	2
193-39-5	Indeno(1,2,3-cd)pyrene	U	10	1.0	10	10	2
53-70-3	Dibenzo(a,h)anthracene	U	10	1.0	10	10	2
191-24-2	Benzo(g,h,i)perylene	U	10	1.0	10	10	2
367-12-4	2-Fluorophenol		29%				
13127-88-3	Phenol-D6		29%				
4165-60-0	Nitrobenzene-D5		48%				
321-60-8	2-Fluorobiphenyl		56%				
118-79-6	2,4,6-Tribromophenol		39%				
1718-51-0	Terphenyl-D14		82%				

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SW-16-102005

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: WV5584

Matrix: (soil/water) WATER Lab Sample ID: WV5584-18

Sample wt/vol: 1.030 (g/L) L Lab File ID: X8979

Level: (low/med) LOW Date Received: 10/21/05

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/26/05

Concentrated Extract Volume: 0.001(L) Date Analyzed: 10/28/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	5.26	10	JB
2.		UNKNOWN	31.58	10	J
3.					
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FORM I SV-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date: 10/26/05
Analysis Date: 28-OCT-2005 14:58
Report Date: 10/31/2005
Matrix: WATER
% Solids: NA

Lab ID: WV5584-20RA
Client ID: SW-17-102005
SDG: WV5584
Extracted by: TR
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG22052
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
123-91-1	1,4-Dioxane	U	10	1.0	10	10	5
62-75-9	N-Nitrosodimethylamine	U	10	1.0	10	10	2
110-86-1	Pyridine	U	10	1.0	10	10	3
62-53-3	Aniline	U	10	1.0	10	10	3
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	2
108-95-2	Phenol	U	10	1.0	10	10	6
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	3
95-57-8	2-Chlorophenol	U	10	1.0	10	10	5
541-73-1	1,3-Dichlorobenzene	U	10	1.0	10	10	3
106-46-7	1,4-Dichlorobenzene	U	10	1.0	10	10	3
100-51-6	Benzyl alcohol	U	10	1.0	10	10	2
95-48-7	2-Methylphenol	U	10	1.0	10	10	5
95-50-1	1,2-Dichlorobenzene	U	10	1.0	10	10	3
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	3&4-Methylphenol	U	10	1.0	10	10	5
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	2
78-59-1	Isophorone	U	10	1.0	10	10	2
88-75-5	2-Nitrophenol	U	10	1.0	10	10	5
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	8
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	2
65-85-0	Benzoic acid	U	50	1.0	50	50	24
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	6
120-82-1	1,2,4-Trichlorobenzene	U	10	1.0	10	10	3
91-20-3	Naphthalene	U	10	1.0	10	10	2
106-47-8	4-Chloroaniline	U	10	1.0	10	10	4
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	4
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	6
91-57-6	2-Methylnaphthalene	U	10	1.0	10	10	4
90-12-0	1-Methylnaphthalene	U	10	1.0	10	10	5
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	2
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	7
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	7
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	3
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	3
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	3
208-96-8	Acenaphthylene	U	10	1.0	10	10	3
99-09-2	3-Nitroaniline	U	25	1.0	25	25	3
83-32-9	Acenaphthene	U	10	1.0	10	10	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	3
100-02-7	4-Nitrophenol	U	25	1.0	25	25	5

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date: 10/26/05
Analysis Date: 28-OCT-2005 14:58
Report Date: 10/31/2005
Matrix: WATER
% Solids: NA

Lab ID: WV5584-20RA
Client ID: SW-17-102005
SDG: WV5584
Extracted by: TR
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG22052
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	4
84-66-2	Diethylphthalate	U	10	1.0	10	10	2
86-73-7	Fluorene	U	10	1.0	10	10	2
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	3
100-01-6	4-Nitroaniline	U	25	1.0	25	25	5
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	10
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	8
103-33-3	Azobenzene	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	4
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	4
87-86-5	Pentachlorophenol	U	25	1.0	25	25	9
85-01-8	Phenanthrene	U	10	1.0	10	10	3
120-12-7	Anthracene	U	10	1.0	10	10	3
86-74-8	Carbazole	U	10	1.0	10	10	4
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	2
206-44-0	Fluoranthene	U	10	1.0	10	10	3
92-87-5	Benzidine	U	10	1.0	10	10	5
129-00-0	Pyrene	U	10	1.0	10	10	4
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	3
56-55-3	Benzo(a)anthracene	U	10	1.0	10	10	3
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	4
218-01-9	Chrysene	U	10	1.0	10	10	3
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	7
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	3
205-99-2	Benzo(b)fluoranthene	U	10	1.0	10	10	2
207-08-9	Benzo(k)fluoranthene	U	10	1.0	10	10	3
50-32-8	Benzo(a)pyrene	U	10	1.0	10	10	2
193-39-5	Indeno(1,2,3-cd)pyrene	U	10	1.0	10	10	2
53-70-3	Dibenzo(a,h)anthracene	U	10	1.0	10	10	2
191-24-2	Benzo(g,h,i)perylene	U	10	1.0	10	10	2
367-12-4	2-Fluorophenol		24%				
13127-88-3	Phenol-D6		23%				
4165-60-0	Nitrobenzene-D5		* 43%				
321-60-8	2-Fluorobiphenyl		45%				
118-79-6	2,4,6-Tribromophenol		34%				
1718-51-0	Terphenyl-D14		48%				

Sample Data Summary A0000084

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

SW-17-102005

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: WV5584

Matrix: (soil/water) WATER Lab Sample ID: WV5584-20RA

Sample wt/vol: 1.040 (g/L) L Lab File ID: X8991

Level: (low/med) LOW Date Received: 10/21/05

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/26/05

Concentrated Extract Volume: 0.001(L) Date Analyzed: 10/28/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN	5.24	10	JB
2.		UNKNOWN	27.16	5	J
3.					
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FORM I SV-TIC

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date: 10/26/05
Analysis Date: 28-OCT-2005 06:48
Report Date: 10/28/2005
Matrix: WATER
% Solids: NA

Lab ID: WV5584-2
Client ID: SW-08-102005
SDG: WV5584
Extracted by: TR
Extraction Method: SW846 3510
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG22030
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	0.50	1.0	0.50	0.50	0.12
11104-28-2	Aroclor-1221	U	0.50	1.0	0.50	0.50	0.25
11141-16-5	Aroclor-1232	U	0.50	1.0	0.50	0.50	0.28
53469-21-9	Aroclor-1242	U	0.50	1.0	0.50	0.50	0.21
12672-29-6	Aroclor-1248	U	0.50	1.0	0.50	0.50	0.095
11097-69-1	Aroclor-1254	U	0.50	1.0	0.50	0.50	0.24
11096-82-5	Aroclor-1260	U	0.50	1.0	0.50	0.50	0.057
877-09-8	Tetrachloro-m-xylene		82%				
2051-24-3	Decachlorobiphenyl		* 42%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date: 10/26/05
Analysis Date: 28-OCT-2005 07:16
Report Date: 10/28/2005
Matrix: WATER
% Solids: NA

Lab ID: WV5584-4
Client ID: SW-09-102005
SDG: WV5584
Extracted by: TR
Extraction Method: SW846 3510
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG22030
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	0.50	1.0	0.50	0.50	0.13
11104-28-2	Aroclor-1221	U	0.50	1.0	0.50	0.50	0.25
11141-16-5	Aroclor-1232	U	0.50	1.0	0.50	0.50	0.28
53469-21-9	Aroclor-1242	U	0.50	1.0	0.50	0.50	0.21
12672-29-6	Aroclor-1248	U	0.50	1.0	0.50	0.50	0.097
11097-69-1	Aroclor-1254	U	0.50	1.0	0.50	0.50	0.24
11096-82-5	Aroclor-1260	U	0.50	1.0	0.50	0.50	0.058
877-09-8	Tetrachloro-m-xylene		94%				
2051-24-3	Decachlorobiphenyl		63%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date: 10/26/05
Analysis Date: 28-OCT-2005 07:44
Report Date: 10/28/2005
Matrix: WATER
% Solids: NA

Lab ID: WV5584-6
Client ID: SW-10-102005
SDG: WV5584
Extracted by: TR
Extraction Method: SW846 3510
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG22030
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	0.50	1.0	0.50	0.50	0.13
11104-28-2	Aroclor-1221	U	0.50	1.0	0.50	0.50	0.25
11141-16-5	Aroclor-1232	U	0.50	1.0	0.50	0.50	0.28
53469-21-9	Aroclor-1242	U	0.50	1.0	0.50	0.50	0.21
12672-29-6	Aroclor-1248	U	0.50	1.0	0.50	0.50	0.097
11097-69-1	Aroclor-1254	U	0.50	1.0	0.50	0.50	0.24
11096-82-5	Aroclor-1260	U	0.50	1.0	0.50	0.50	0.058
877-09-8	Tetrachloro-m-xylene		93%				
2051-24-3	Decachlorobiphenyl		60%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date: 10/26/05
Analysis Date: 28-OCT-2005 08:13
Report Date: 10/28/2005
Matrix: WATER
% Solids: NA

Lab ID: WV5584-8
Client ID: SW-11-102005
SDG: WV5584
Extracted by: TR
Extraction Method: SW846 3510
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG22030
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	0.50	1.0	0.50	0.50	0.12
11104-28-2	Aroclor-1221	U	0.50	1.0	0.50	0.50	0.25
11141-16-5	Aroclor-1232	U	0.50	1.0	0.50	0.50	0.28
53469-21-9	Aroclor-1242	U	0.50	1.0	0.50	0.50	0.21
12672-29-6	Aroclor-1248	U	0.50	1.0	0.50	0.50	0.096
11097-69-1	Aroclor-1254	U	0.50	1.0	0.50	0.50	0.24
11096-82-5	Aroclor-1260	U	0.50	1.0	0.50	0.50	0.058
877-09-8	Tetrachloro-m-xylene		95%				
2051-24-3	Decachlorobiphenyl		67%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date: 10/26/05
Analysis Date: 28-OCT-2005 08:41
Report Date: 10/28/2005
Matrix: WATER
% Solids: NA

Lab ID: WV5584-10
Client ID: SW-12-102005
SDG: WV5584
Extracted by: TR
Extraction Method: SW846 3510
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG22030
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	0.50	1.0	0.50	0.50	0.12
11104-28-2	Aroclor-1221	U	0.50	1.0	0.50	0.50	0.25
11141-16-5	Aroclor-1232	U	0.50	1.0	0.50	0.50	0.28
53469-21-9	Aroclor-1242	U	0.50	1.0	0.50	0.50	0.21
12672-29-6	Aroclor-1248	U	0.50	1.0	0.50	0.50	0.096
11097-69-1	Aroclor-1254	U	0.50	1.0	0.50	0.50	0.24
11096-82-5	Aroclor-1260	U	0.50	1.0	0.50	0.50	0.058
877-09-8	Tetrachloro-m-xylene		74%				
2051-24-3	Decachlorobiphenyl		* 36%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date: 10/26/05
Analysis Date: 28-OCT-2005 09:09
Report Date: 10/28/2005
Matrix: WATER
% Solids: NA

Lab ID: WV5584-12
Client ID: SW-13-102005
SDG: WV5584
Extracted by: TR
Extraction Method: SW846 3510
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG22030
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	0.50	1.0	0.50	0.50	0.12
11104-28-2	Aroclor-1221	U	0.50	1.0	0.50	0.50	0.25
11141-16-5	Aroclor-1232	U	0.50	1.0	0.50	0.50	0.28
53469-21-9	Aroclor-1242	U	0.50	1.0	0.50	0.50	0.21
12672-29-6	Aroclor-1248	U	0.50	1.0	0.50	0.50	0.096
11097-69-1	Aroclor-1254	U	0.50	1.0	0.50	0.50	0.24
11096-82-5	Aroclor-1260	U	0.50	1.0	0.50	0.50	0.058
877-09-8	Tetrachloro-m-xylene		92%				
2051-24-3	Decachlorobiphenyl		* 49%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date: 10/26/05
Analysis Date: 28-OCT-2005 09:37
Report Date: 10/28/2005
Matrix: WATER
% Solids: NA

Lab ID: WV5584-14
Client ID: SW-14-102005
SDG: WV5584
Extracted by: TR
Extraction Method: SW846 3510
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG22030
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	0.50	1.0	0.50	0.50	0.12
11104-28-2	Aroclor-1221	U	0.50	1.0	0.50	0.50	0.24
11141-16-5	Aroclor-1232	U	0.50	1.0	0.50	0.50	0.27
53469-21-9	Aroclor-1242	U	0.50	1.0	0.50	0.50	0.21
12672-29-6	Aroclor-1248	U	0.50	1.0	0.50	0.50	0.094
11097-69-1	Aroclor-1254	U	0.50	1.0	0.50	0.50	0.24
11096-82-5	Aroclor-1260	U	0.50	1.0	0.50	0.50	0.057
877-09-8	Tetrachloro-m-xylene		90%				
2051-24-3	Decachlorobiphenyl		58%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date: 10/26/05
Analysis Date: 28-OCT-2005 10:06
Report Date: 10/28/2005
Matrix: WATER
% Solids: NA

Lab ID: WV5584-16
Client ID: SW-15-102005
SDG: WV5584
Extracted by: TR
Extraction Method: SW846 3510
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG22030
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	0.50	1.0	0.50	0.50	0.12
11104-28-2	Aroclor-1221	U	0.50	1.0	0.50	0.50	0.24
11141-16-5	Aroclor-1232	U	0.50	1.0	0.50	0.50	0.27
53469-21-9	Aroclor-1242	U	0.50	1.0	0.50	0.50	0.21
12672-29-6	Aroclor-1248	U	0.50	1.0	0.50	0.50	0.094
11097-69-1	Aroclor-1254	U	0.50	1.0	0.50	0.50	0.24
11096-82-5	Aroclor-1260	U	0.50	1.0	0.50	0.50	0.057
877-09-8	Tetrachloro-m-xylene		88%				
2051-24-3	Decachlorobiphenyl		67%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date: 10/26/05
Analysis Date: 28-OCT-2005 10:34
Report Date: 10/28/2005
Matrix: WATER
% Solids: NA

Lab ID: WV5584-18
Client ID: SW-16-102005
SDG: WV5584
Extracted by: TR
Extraction Method: SW846 3510
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG22030
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	0.50	1.0	0.50	0.50	0.12
11104-28-2	Aroclor-1221	U	0.50	1.0	0.50	0.50	0.25
11141-16-5	Aroclor-1232	U	0.50	1.0	0.50	0.50	0.28
53469-21-9	Aroclor-1242	U	0.50	1.0	0.50	0.50	0.21
12672-29-6	Aroclor-1248	U	0.50	1.0	0.50	0.50	0.095
11097-69-1	Aroclor-1254	U	0.50	1.0	0.50	0.50	0.24
11096-82-5	Aroclor-1260	U	0.50	1.0	0.50	0.50	0.057
877-09-8	Tetrachloro-m-xylene		88%				
2051-24-3	Decachlorobiphenyl		63%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date: 10/26/05
Analysis Date: 28-OCT-2005 11:02
Report Date: 10/28/2005
Matrix: WATER
% Solids: NA

Lab ID: WV5584-20
Client ID: SW-17-102005
SDG: WV5584
Extracted by: TR
Extraction Method: SW846 3510
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG22030
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	0.50	1.0	0.50	0.50	0.13
11104-28-2	Aroclor-1221	U	0.50	1.0	0.50	0.50	0.26
11141-16-5	Aroclor-1232	U	0.50	1.0	0.50	0.50	0.29
53469-21-9	Aroclor-1242	U	0.50	1.0	0.50	0.50	0.22
12672-29-6	Aroclor-1248	U	0.50	1.0	0.50	0.50	0.099
11097-69-1	Aroclor-1254	U	0.50	1.0	0.50	0.50	0.25
11096-82-5	Aroclor-1260	U	0.50	1.0	0.50	0.50	0.059
877-09-8	Tetrachloro-m-xylene		92%				
2051-24-3	Decachlorobiphenyl		56%				

Appendix C

Support Documentation

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
CR6	MG/L	SW-13-102005	WV5584-12	NM	10/20/2005	10/21/2005	10/21/2005	1	0	1
OS	%	SW-13-102005	WV5584-12	NM	10/20/2005	10/26/2005	10/28/2005	6	2	8
OS	%	SW-08-102005	WV5584-2	NM	10/20/2005	10/26/2005	10/27/2005	6	1	7
OS	%	SW-09-102005RA	WV5584-4RA	NM	10/20/2005	10/26/2005	10/28/2005	6	2	8
OS	%	SW-10-102005	WV5584-6	NM	10/20/2005	10/26/2005	10/27/2005	6	1	7
OS	%	SW-12-102005	WV5584-10	NM	10/20/2005	10/26/2005	10/28/2005	6	2	8
OS	%	SW-14-102005	WV5584-14	NM	10/20/2005	10/26/2005	10/28/2005	6	2	8
OS	%	SW-15-102005	WV5584-16	NM	10/20/2005	10/26/2005	10/28/2005	6	2	8
OS	%	SW-16-102005	WV5584-18	NM	10/20/2005	10/26/2005	10/28/2005	6	2	8
OS	%	SW-17-102005RA	WV5584-20RA	NM	10/20/2005	10/26/2005	10/28/2005	6	2	8
OS	%	SW-11-102005	WV5584-8	NM	10/20/2005	10/26/2005	10/27/2005	6	1	7
OS	UG/L	SW-12-102005	WV5584-10	NM	10/20/2005	10/26/2005	10/28/2005	6	2	8
OS	UG/L	SW-17-102005RA	WV5584-20RA	NM	10/20/2005	10/26/2005	10/28/2005	6	2	8
OS	UG/L	SW-16-102005	WV5584-18	NM	10/20/2005	10/26/2005	10/28/2005	6	2	8
OS	UG/L	SW-15-102005	WV5584-16	NM	10/20/2005	10/26/2005	10/28/2005	6	2	8
OS	UG/L	SW-13-102005	WV5584-12	NM	10/20/2005	10/26/2005	10/28/2005	6	2	8
OS	UG/L	SW-11-102005	WV5584-8	NM	10/20/2005	10/26/2005	10/27/2005	6	1	7
OS	UG/L	SW-10-102005	WV5584-6	NM	10/20/2005	10/26/2005	10/27/2005	6	1	7

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
OS	UG/L	SW-09-102005RA	WV5584-4RA	NM	10/20/2005	10/26/2005	10/28/2005	6	2	8
OS	UG/L	SW-08-102005	WV5584-2	NM	10/20/2005	10/26/2005	10/27/2005	6	1	7
OS	UG/L	SW-14-102005	WV5584-14	NM	10/20/2005	10/26/2005	10/28/2005	6	2	8
OV	%	SW-08-102005	WV5584-2	NM	10/20/2005	10/26/2005	10/26/2005	6	0	6
OV	%	SW-14-102005	WV5584-14	NM	10/20/2005	10/26/2005	10/26/2005	6	0	6
OV	%	TB102005	WV5584-1	NM	10/20/2005	10/26/2005	10/26/2005	6	0	6
OV	%	SW-17-102005	WV5584-20	NM	10/20/2005	10/26/2005	10/26/2005	6	0	6
OV	%	SW-16-102005	WV5584-18	NM	10/20/2005	10/26/2005	10/26/2005	6	0	6
OV	%	SW-15-102005	WV5584-16	NM	10/20/2005	10/26/2005	10/26/2005	6	0	6
OV	%	SW-13-102005	WV5584-12	NM	10/20/2005	10/26/2005	10/26/2005	6	0	6
OV	%	SW-12-102005	WV5584-10	NM	10/20/2005	10/26/2005	10/26/2005	6	0	6
OV	%	SW-11-102005	WV5584-8	NM	10/20/2005	10/26/2005	10/26/2005	6	0	6
OV	%	SW-09-102005	WV5584-4	NM	10/20/2005	10/26/2005	10/26/2005	6	0	6
OV	%	SW-10-102005	WV5584-6	NM	10/20/2005	10/26/2005	10/26/2005	6	0	6
OV	UG/L	SW-14-102005	WV5584-14	NM	10/20/2005	10/26/2005	10/26/2005	6	0	6
OV	UG/L	TB102005	WV5584-1	NM	10/20/2005	10/26/2005	10/26/2005	6	0	6
OV	UG/L	SW-17-102005	WV5584-20	NM	10/20/2005	10/26/2005	10/26/2005	6	0	6
OV	UG/L	SW-16-102005	WV5584-18	NM	10/20/2005	10/26/2005	10/26/2005	6	0	6

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
OV	UG/L	SW-09-102005	WV5584-4	NM	10/20/2005	10/26/2005	10/26/2005	6	0	6
OV	UG/L	SW-15-102005	WV5584-16	NM	10/20/2005	10/26/2005	10/26/2005	6	0	6
OV	UG/L	SW-12-102005	WV5584-10	NM	10/20/2005	10/26/2005	10/26/2005	6	0	6
OV	UG/L	SW-10-102005	WV5584-6	NM	10/20/2005	10/26/2005	10/26/2005	6	0	6
OV	UG/L	SW-08-102005	WV5584-2	NM	10/20/2005	10/26/2005	10/26/2005	6	0	6
OV	UG/L	SW-11-102005	WV5584-8	NM	10/20/2005	10/26/2005	10/26/2005	6	0	6
OV	UG/L	SW-13-102005	WV5584-12	NM	10/20/2005	10/26/2005	10/26/2005	6	0	6
PCB	%	SW-14-102005	WV5584-14	NM	10/20/2005	10/26/2005	10/28/2005	6	2	8
PCB	%	SW-17-102005	WV5584-20	NM	10/20/2005	10/26/2005	10/28/2005	6	2	8
PCB	%	SW-15-102005	WV5584-16	NM	10/20/2005	10/26/2005	10/28/2005	6	2	8
PCB	%	SW-13-102005	WV5584-12	NM	10/20/2005	10/26/2005	10/28/2005	6	2	8
PCB	%	SW-11-102005	WV5584-8	NM	10/20/2005	10/26/2005	10/28/2005	6	2	8
PCB	%	SW-10-102005	WV5584-6	NM	10/20/2005	10/26/2005	10/28/2005	6	2	8
PCB	%	SW-09-102005	WV5584-4	NM	10/20/2005	10/26/2005	10/28/2005	6	2	8
PCB	%	SW-08-102005	WV5584-2	NM	10/20/2005	10/26/2005	10/28/2005	6	2	8
PCB	%	SW-12-102005	WV5584-10	NM	10/20/2005	10/26/2005	10/28/2005	6	2	8
PCB	%	SW-16-102005	WV5584-18	NM	10/20/2005	10/26/2005	10/28/2005	6	2	8
PCB	UG/L	SW-09-102005	WV5584-4	NM	10/20/2005	10/26/2005	10/28/2005	6	2	8

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
PCB	UG/L	SW-16-102005	WV5584-18	NM	10/20/2005	10/26/2005	10/28/2005	6	2	8
PCB	UG/L	SW-15-102005	WV5584-16	NM	10/20/2005	10/26/2005	10/28/2005	6	2	8
PCB	UG/L	SW-14-102005	WV5584-14	NM	10/20/2005	10/26/2005	10/28/2005	6	2	8
PCB	UG/L	SW-13-102005	WV5584-12	NM	10/20/2005	10/26/2005	10/28/2005	6	2	8
PCB	UG/L	SW-12-102005	WV5584-10	NM	10/20/2005	10/26/2005	10/28/2005	6	2	8
PCB	UG/L	SW-10-102005	WV5584-6	NM	10/20/2005	10/26/2005	10/28/2005	6	2	8
PCB	UG/L	SW-08-102005	WV5584-2	NM	10/20/2005	10/26/2005	10/28/2005	6	2	8
PCB	UG/L	SW-17-102005	WV5584-20	NM	10/20/2005	10/26/2005	10/28/2005	6	2	8
PCB	UG/L	SW-11-102005	WV5584-8	NM	10/20/2005	10/26/2005	10/28/2005	6	2	8

SDG NARRATIVE
KATAHDIN ANALYTICAL SERVICES
TETRA TECH NUS
CASE MIDDLE RIVER
WV5584

Sample Receipt

The following samples were received on October 21, 2005 and were logged in under Katahdin Analytical Services work order number WV5584 for a hardcopy due date of October 27, 2005.

KATAHDIN Sample No.	TTNUS Sample Identification
WV5584-1	TB102005
WV5584-2	SW-08-102005
WV5584-3	SW-08-102005
WV5584-4	SW-09-102005
WV5584-5	SW-09-102005
WV5584-6	SW-10-102005
WV5584-7	SW-10-102005
WV5584-8	SW-11-102005
WV5584-9	SW-11-102005
WV5584-10	SW-12-102005
WV5584-11	SW-12-102005
WV5584-12	SW-13-102005
WV5584-13	SW-13-102005
WV5584-14	SW-14-102005
WV5584-15	SW-14-102005
WV5584-16	SW-15-102005
WV5584-17	SW-15-102005
WV5584-18	SW-16-102005
WV5584-19	SW-16-102005
WV5584-20	SW-17-102005
WV5584-21	SW-17-102005

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 work order WV5584 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, U.S. EPA, for the specific methods listed below or on the Report of Analysis. Sample WV5584-20 was used for a matrix spike (MS) and matrix spike duplicate (MSD), as per client's request. Some manual integrations may have been performed due to split peaks and/or corrected baselines. All have been flagged with a "M" (software-generated) on the pertinent quantitation reports.

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 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.

One or more target analytes may have been detected above the MDL in some method blanks. Any of these analytes that were also detected in any of the associated samples were flagged with a "V" qualifier indicating that the analyte was detected in the method blank analyzed and/or extracted concurrently with the sample.

Samples WV5584-2, 4, 6, 8, 10, 12, 14, 16, 18, and 20 had high recoveries for one or more surrogates, which were outside of the laboratory established acceptance limits. Since a high recovery would indicate a high bias and there were no target analytes detected above the PQL in the aforementioned samples, the samples were not reanalyzed.

The initial calibration analyzed on the F instrument on 10/12/05 had a %RSD value for acetone that exceeded the method acceptance limit of 15%. Even though 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.

8082 Analysis

Samples WV5584-2, 10, 12, the method blank, WG22030-1, the laboratory control sample, WG22030-2 and the matrix spike duplicate, WG22030-4, had low recoveries for the extraction surrogate DCB on one or both channels, which were outside of the laboratory established acceptance limits. Since the recoveries for TCX were acceptable on both channels for all samples and QC, the samples were not reextracted.

The calibration verification standards (CV) (files 6VJ7034 and 6VJ8034) had high responses for Aroclor 1016 on both channels and Aroclor 1260 on channel B, which resulted in %D's that were

outside of the method acceptance limits of 15%. Since high recoveries would indicate a high bias and no target analytes were detected in the samples, the associated samples were not reanalyzed.

The Form 7 for the CV's (files 6VJ7034 and 6VJ8034) are flagged for the surrogates TCX and DCB indicating that the %D is 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.

8270C 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 initial calibration analyzed on 10/22/05 had %RSD values for several analytes that exceeded the method acceptance limit of 15%. For these analytes, either a linear or quadratic model was used for quantitation instead of an average response factor. The target analytes benzoic acid, 2-chloronapthalene, 2,4-dinitrophenol and 4-nitrophenol, 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 there were none of the aforementioned analytes detected above the PQL in the associated samples, the samples were not reanalyzed.

The calibration verification standard (CV) (file X8964) had a high response for the (CCC) calibration check compound 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 in the associated sample above the PQL, the sample was not reanalyzed.

Samples WV5584-2, 4RA, 8, 10 and 20RA and the matrix spike sample (MS) WG22052-3 had low recoveries for one or more surrogates, which were outside the laboratory established acceptance limits. The client was contacted and notified 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 Katahdin Work Order WV5584 were prepared and analyzed for metals in accordance with the "Test Methods for Evaluating Aqueous Waste", SW-846, November 1986, Third Edition.

Katahdin ANALYTICAL SERVICES
P.O. Box 720
Westbrook, ME 04092
Tel: (207) 874-2400
Fax: (207) 775-4029

CHAIN of CUSTODY

PLEASE BEAR DOWN AND PRINT LEGIBLY IN PEN

Client: Tetra Tech NUS | Contact: Dave Peters | Phone #: (301) 528-3063 | Fax #: ( )

Address: 20251 Century Blvd | City: Germantown | State: MD | Zip Code: 20874

Purchase Order # | Proj. Name / No. | Katahdin Quote #

Bill (if different than above) | Address

Sampler (Print / Sign): FRED KOLBERG FK | Copies To:

LAB USE ONLY | WORK ORDER #: W45584 | KATAHDIN PROJECT NUMBER

REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT

AIRBILL NO:

TEMP°C ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	ANALYSIS AND CONTAINER TYPE PRESERVATIVES: Filt. ☐Y ☐N — VOCs	SVOCs	PCBs	Hex Chrome	Total Metals ppm	Disso PPM				
TB102005	10-20-05 / 1145	Water	2	V									
SW-08-102005	/ 1110		10	X	X	X	X	X	X				
SW-09-102005	/ 1120		10	X	X	X	X	X	X				
SW-10-102005	/ 1130		10	X	X	X	X	X	X				
SW-11-102005	/ 1150		10	X	X	X	X	X	X				
SW-12-102005	/ 1210		10	X	X	X	X	X	X				
SW-13-102005	/ 1220		10	X	X	X	X	X	X				
SW-14-102005	/ 1240		10	X	X	X	X	X	X				
SW-15-102005	/ 1250		10	X	X	X	X	X	X				
SW-16-102005	/ 1300		10	X	X	X	X	X	X				
SW-17-102005	/ 1315		30	X	X	X	X	X	X		*	MS/MSD	
	/												
	/												
	/												
	/												
	/												

COMMENTS

10-20-05

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
[signature]	[illegible] 1800	[signature] 10/21/05 0935			
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)

00001

FORM 4
VOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG22067-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: WV5584

Lab File ID: F9283 Lab Sample ID: WG22067-2

Date Analyzed: 10/26/05 Time Analyzed: 1419

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	WG22067-LCS	WG22067-1	F9280	10/26/05	1224
02	TB102005	WV5584-1	F9284	10/26/05	1453
03	SW-08-102005	WV5584-2	F9285	10/26/05	1527
04	SW-09-102005	WV5584-4	F9286	10/26/05	1601
05	SW-10-102005	WV5584-6	F9287	10/26/05	1635
06	SW-11-102005	WV5584-8	F9288	10/26/05	1709
07	SW-12-102005	WV5584-10	F9289	10/26/05	1744
08	SW-13-102005	WV5584-12	F9290	10/26/05	1818
09	SW-14-102005	WV5584-14	F9291	10/26/05	1852
10	SW-15-102005	WV5584-16	F9292	10/26/05	1925
11	SW-16-102005	WV5584-18	F9293	10/26/05	1959
12	SW-17-102005	WV5584-20	F9294	10/26/05	2033
13	SW-17-102005MS	WG22067-3	F9295	10/26/05	2107
14	SW-17-102005MSD	WG22067-4	F9296	10/26/05	2141
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COMMENTS:

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: MIDDLE RIVER
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 26-OCT-2005 14:19
Report Date: 10/28/2005
Matrix: WATER
% Solids: NA

Lab ID: WG22067-2
Client ID: WG22067-Blank
SDG: WV5584
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22067
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
75-71-8	Dichlorodifluoromethane	U	1	1.0	1	1	0.5
74-87-3	Chloromethane	U	1	1.0	1	1	0.3
75-01-4	Vinyl chloride	U	1	1.0	1	1	0.3
74-83-9	Bromomethane	U	1	1.0	1	1	0.6
75-00-3	Chloroethane	U	1	1.0	1	1	0.3
75-69-4	Trichlorofluoromethane	U	1	1.0	1	1	0.3
75-65-0	Tertiary-butyl alcohol	U	5	1.0	5	5	0.4
75-35-4	1,1-Dichloroethene	U	1	1.0	1	1	0.4
75-15-0	Carbon Disulfide	U	1	1.0	1	1	0.3
76-13-1	Freon-113	U	1	1.0	1	1	0.2
75-09-2	Methylene Chloride	U	2	1.0	2	2	2
67-64-1	Acetone	U	5	1.0	5	5	2
156-60-5	trans-1,2-Dichloroethene	U	1	1.0	1	1	0.3
1634-04-4	Methyl tert-butyl ether	U	2	1.0	2	2	0.8
108-20-3	Di-isopropyl ether	U	1	1.0	1	1	0.2
75-34-3	1,1-Dichloroethane	U	1	1.0	1	1	0.4
637-92-3	Ethyl tertiary-butyl ether	U	1	1.0	1	1	0.08
108-05-4	Vinyl Acetate	U	1	1.0	1	1	0.3
156-59-2	cis-1,2-Dichloroethene	U	1	1.0	1	1	0.3
540-59-0	1,2-Dichloroethylene (total)	U	2	1.0	2	2	0.6
594-20-7	2,2-Dichloropropane	U	1	1.0	1	1	0.2
74-97-5	Bromochloromethane	U	1	1.0	1	1	0.2
67-66-3	Chloroform	U	1	1.0	1	1	0.4
56-23-5	Carbon Tetrachloride	U	1	1.0	1	1	0.3
71-55-6	1,1,1-Trichloroethane	U	1	1.0	1	1	0.2
563-58-6	1,1-Dichloropropene	U	1	1.0	1	1	0.2
78-93-3	2-Butanone	U	5	1.0	5	5	3
71-43-2	Benzene	U	1	1.0	1	1	0.3
994-05-8	Tertiary-amyl methyl ether	U	1	1.0	1	1	0.1
107-06-2	1,2-Dichloroethane	U	1	1.0	1	1	0.3
79-01-6	Trichloroethene	U	1	1.0	1	1	0.3
74-95-3	Dibromomethane	U	1	1.0	1	1	0.2
78-87-5	1,2-Dichloropropane	U	1	1.0	1	1	0.3
75-27-4	Bromodichloromethane	U	1	1.0	1	1	0.2
10061-01-5	cis-1,3-dichloropropene	U	1	1.0	1	1	0.3
110-75-8	2-Chloroethylvinylether	U	1	1.0	1	1	0.4
108-88-3	Toluene	U	1	1.0	1	1	0.2
108-10-1	4-methyl-2-pentanone	U	5	1.0	5	5	3
127-18-4	Tetrachloroethene	U	1	1.0	1	1	0.4
10061-02-6	trans-1,3-Dichloropropene	U	1	1.0	1	1	0.4
124-48-1	Dibromochloromethane	U	1	1.0	1	1	0.4
142-28-9	1,3-Dichloropropane	U	1	1.0	1	1	0.3
106-93-4	1,2-Dibromoethane	U	1	1.0	1	1	0.4

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: MIDDLE RIVER
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 26-OCT-2005 14:19
Report Date: 10/28/2005
Matrix: WATER
% Solids: NA

Lab ID: WG22067-2
Client ID: WG22067-Blank
SDG: WV5584
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22067
Units: ug/l

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
591-78-6	2-Hexanone	U	5	1.0	5	5	2
108-90-7	Chlorobenzene	U	1	1.0	1	1	0.2
100-41-4	Ethylbenzene	U	1	1.0	1	1	0.2
630-20-6	1,1,1,2-Tetrachloroethane	U	1	1.0	1	1	0.2
1330-20-7	Xylenes (total)	U	3	1.0	3	3	0.8
	m+p-Xylenes	U	2	1.0	2	2	0.5
95-47-6	o-Xylene	U	1	1.0	1	1	0.3
100-42-5	Styrene	U	1	1.0	1	1	0.6
75-25-2	Bromoform	U	1	1.0	1	1	0.5
98-82-8	Isopropylbenzene	U	1	1.0	1	1	0.3
108-86-1	Bromobenzene	U	1	1.0	1	1	0.2
103-65-1	N-Propylbenzene	U	1	1.0	1	1	0.3
79-34-5	1,1,2,2-Tetrachloroethane	U	1	1.0	1	1	0.5
95-49-8	2-Chlorotoluene	U	1	1.0	1	1	0.3
96-18-4	1,2,3-Trichloropropane	U	1	1.0	1	1	0.6
106-43-4	4-Chlorotoluene	U	1	1.0	1	1	0.3
98-06-6	tert-Butylbenzene	U	1	1.0	1	1	0.2
95-63-6	1,2,4-Trimethylbenzene	U	1	1.0	1	1	0.2
99-87-6	P-Isopropyltoluene	U	1	1.0	1	1	0.2
541-73-1	1,3-Dichlorobenzene	U	1	1.0	1	1	0.3
106-46-7	1,4-Dichlorobenzene	U	1	1.0	1	1	0.4
104-51-8	N-Butylbenzene	U	1	1.0	1	1	0.2
135-98-8	sec-Butylbenzene	U	1	1.0	1	1	0.3
95-50-1	1,2-Dichlorobenzene	U	1	1.0	1	1	0.2
96-12-8	1,2-Dibromo-3-Chloropropane	U	1	1.0	1	1	0.3
87-68-3	Hexachlorobutadiene	U	1	1.0	1	1	0.4
120-82-1	1,2,4-Trichlorobenzene	U	1	1.0	1	1	0.3
526-73-8	1,2,3-Trimethylbenzene	U	1	1.0	1	1	0.2
91-20-3	Naphthalene	U	1	1.0	1	1	0.4
87-61-6	1,2,3-Trichlorobenzene		1	1.0	1	1	0.2
1868-53-7	Dibromofluoromethane		96%				
17060-07-0	1,2-Dichloroethane-D4		111%				
2037-26-5	Toluene-D8		93%				
460-00-4	P-Bromofluorobenzene		94%				

Sample Data Summary A0000037

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

WG22067-Blank

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: WV5584

Matrix: (soil/water) WATER Lab Sample ID: WG22067-2

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: F9283

Level: (low/med) LOW Date Received: _____

% Moisture: not dec. _____ Date Analyzed: 10/26/05

GC Column: RTX-VMS ID: 0.18 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____(uL) Soil Aliquot Volume: _____(uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/l

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.					
2.					
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FORM I VOA-TIC

FORM 2
WATER VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: WV5584

	CLIENT SAMPLE ID	LAB SAMPLE ID	SMC1 DBF#	SMC2 DCA#	SMC3 TOL#	SMC4 BFB#	TOT OUT
01	WG22067-LCS	WG22067-1	86	88	91	91	0
02	WG22067-BLANK	WG22067-2	96	111	93	94	0
03	TB102005	WV5584-1	100	114	91	94	0
04	SW-08-102005	WV5584-2	107	133*	97	102	1
05	SW-09-102005	WV5584-4	103	127*	93	98	1
06	SW-10-102005	WV5584-6	102	128*	94	97	1
07	SW-11-102005	WV5584-8	108	136*	95	99	1
08	SW-12-102005	WV5584-10	105	133*	92	97	1
09	SW-13-102005	WV5584-12	103	133*	95	99	1
10	SW-14-102005	WV5584-14	110	136*	100	108	1
11	SW-15-102005	WV5584-16	111	140*	96	104	1
12	SW-16-102005	WV5584-18	106	137*	93	100	1
13	SW-17-102005	WV5584-20	108	141*	98	103	1
14	SW-17-102005MS	WG22067-3	99	129*	97	118	1
15	SW-17-102005MSD	WG22067-4	99	127*	98	113	1
16							
17							
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25							
26							
27							
28							

		QC LIMITS
SMC1 (DBF)	= Dibromofluoromethane	(76-118)
SMC2 (DCA)	= 1,2-Dichloroethane-D4	(76-119)
SMC3 (TOL)	= Toluene-D8	(68-122)
SMC4 (BFB)	= P-Bromofluorobenzene	(56-119)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D System Monitoring Compound diluted out

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: MIDDLE RIVER
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 10/26/05
Report Date: 10/28/2005
Matrix: WATER

Lab ID: WG22067-1
Client ID: WG22067-LCS
SDG: WV5584
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22067
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
Dichlorodifluoromethane	50	NA	43	87	4-217
Chloromethane	50	NA	44	89	40-163
Vinyl chloride	50	NA	47	93	55-151
Bromomethane	50	NA	49	97	24-217
Chloroethane	50	NA	50	100	69-134
Trichlorofluoromethane	50	NA	50	101	71-147
Diethyl Ether	50	NA	44	88	67-135
Tertiary-butyl alcohol	250	NA	129	* 52	58-146
1,1-Dichloroethene	50	NA	49	98	78-136
Carbon Disulfide	50	NA	51	101	70-136
Freon-113	50	NA	49	98	60-140
Iodomethane	50	NA	52	104	60-140
Acrolein	250	NA	191	76	0-199
Methylene Chloride	50	NA	48	95	52-115
Acetone	50	NA	49	99	0-158
Isobutyl Alcohol	1000	NA	628	63	60-140
trans-1,2-Dichloroethene	50	NA	52	105	84-131
Allyl Chloride	50	NA	43	85	60-140
Methyl tert-butyl ether	100	NA	94	94	62-130
Acetonitrile	500	NA	369	74	53-141
Di-isopropyl ether	50	NA	46	92	82-130
Chloroprene	50	NA	45	91	60-140
Methacrylonitrile	500	NA	405	81	60-140
Propionitrile	500	NA	350	70	60-140
1,1-Dichloroethane	50	NA	54	108	81-134
Acrylonitrile	250	NA	255	102	29-172
Ethyl tertiary-butyl ether	50	NA	46	93	85-124
Vinyl Acetate	50	NA	43	86	68-174
cis-1,2-Dichloroethene	50	NA	50	100	84-123
1,2-Dichloroethylene (total)	100	NA	102	102	84-131
Methyl Methacrylate	50	NA	46	91	60-140
2,2-Dichloropropane	50	NA	57	113	69-150
Bromochloromethane	50	NA	50	100	77-146
Chloroform	50	NA	54	109	80-130
Carbon Tetrachloride	50	NA	56	112	74-137
Tetrahydrofuran	50	NA	31	62	32-140
1,1,1-Trichloroethane	50	NA	58	115	76-138
1,1-Dichloropropene	50	NA	57	114	82-120
2-Butanone	50	NA	51	101	49-154
Benzene	50	NA	53	106	88-120
Cyclohexane	50	NA	49	97	60-140
Ethyl Methacrylate	50	NA	42	83	60-140
Tertiary-amyl methyl ether	50	NA	44	89	85-125
1,2-Dichloroethane	50	NA	56	113	78-138
Trichloroethene	50	NA	57	115	80-125

FORM III VOA-1
F9280.D

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: MIDDLE RIVER
PO NO:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 10/26/05
Report Date: 10/28/2005
Matrix: WATER

Lab ID: WG22067-1
Client ID: WG22067-LCS
SDG: WV5584
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22067
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.		%REC.	QC. LIMITS
Dibromomethane	50	NA	52		103	88-130
1,2-Dichloropropane	50	NA	50		101	80-122
Bromodichloromethane	50	NA	56		111	83-133
cis-1,3-dichloropropene	50	NA	55		111	81-138
1,4-Dioxane	1000	NA	528	*	53	60-140
2-Chloroethylvinylether	50	NA	34		67	50-211
Toluene	50	NA	56		111	88-121
4-methyl-2-pentanone	50	NA	45		89	72-140
Tetrachloroethene	50	NA	50		100	77-129
trans-1,3-Dichloropropene	50	NA	60		120	81-149
1,1,2-Trichloroethane	50	NA	49		98	82-126
Dibromochloromethane	50	NA	47		95	80-133
1,3-Dichloropropane	50	NA	49		98	86-125
1,2-Dibromoethane	50	NA	51		102	88-127
2-Hexanone	50	NA	48		97	45-146
Chlorobenzene	50	NA	53		107	84-123
Ethylbenzene	50	NA	56		112	84-134
1,1,1,2-Tetrachloroethane	50	NA	57		114	83-130
Xylenes (total)	150	NA	151		101	88-123
m+p-Xylenes	100	NA	103		103	88-122
o-Xylene	50	NA	48		95	90-123
Styrene	50	NA	48		95	87-131
Bromoform	50	NA	48		96	77-138
Isopropylbenzene	50	NA	64	*	129	88-125
cis-1,4-Dichloro-2-Butene	50	NA	52		103	60-140
trans-1,4-Dichloro-2-Butene	50	NA	51		102	60-140
Bromobenzene	50	NA	56		112	84-133
N-Propylbenzene	50	NA	54		109	88-124
1,1,2,2-Tetrachloroethane	50	NA	48		95	81-131
1,3,5-Trimethylbenzene	50	NA	55		110	89-124
2-Chlorotoluene	50	NA	57		114	84-128
1,2,3-Trichloropropane	50	NA	49		99	76-132
4-Chlorotoluene	50	NA	56		112	86-132
tert-Butylbenzene	50	NA	56		113	82-131
Pentachloroethane	50	NA	54		109	60-140
1,2,4-Trimethylbenzene	50	NA	56		111	88-121
P-Isopropyltoluene	50	NA	54		107	86-122
1,3-Dichlorobenzene	50	NA	51		102	86-124
1,4-Dichlorobenzene	50	NA	51		101	80-127
N-Butylbenzene	50	NA	52		105	81-133
sec-Butylbenzene	50	NA	54		108	85-122
1,2-Dichlorobenzene	50	NA	49		97	86-126
1,2-Dibromo-3-Chloropropane	50	NA	41		81	61-136
1,3,5-Trichlorobenzene	50	NA	48		95	67-128
Hexachlorobutadiene	50	NA	52		104	52-129

FORM III VOA-1
F9280.D

Sample Data Summary A0000041

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: MIDDLE RIVER
PO No:
Sample Date:
Received Date:
Extraction Date:
Analysis Date: 10/26/05
Report Date: 10/28/2005
Matrix: WATER

Lab ID: WG22067-1
Client ID: WG22067-LCS
SDG: WV5584
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22067
Units: ug/l

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
1,2,4-Trichlorobenzene	50	NA	46	91	53-157
1,2,3-Trimethylbenzene	50	NA	50	101	60-140
Naphthalene	50	NA	35	71	45-151
1,2,3-Trichlorobenzene	50	NA	34	68	30-164
Methyl Acetate	50	NA	42	84	60-140
Methylcyclohexane	50	NA	47	94	60-140

KATAHDIN ANALYTICAL SERVICES
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date:
Analysis Date: 10/26/05
Report Date: 10/28/2005
Matrix: WATER

Lab ID: WG22067-3 & WG22067-4
Client ID: SW-17-102005MS & SW-17-102005MSD
SDG: WV5584
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22067
Units: ug/l

COMPOUND	MS SPIKE	MSD SPIKE	SAMPLE CONC.	MS CONC.	MSD CONC.	MS %REC.	MSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
Dichlorodifluoromethane	50	50	0.00	64	62	127	125	2	20	4-217
Chloromethane	50	50	0.00	38	48	75	95	* 23	20	40-163
Vinyl chloride	50	50	0.00	42	53	83	106	* 23	20	55-151
Bromomethane	50	50	0.00	51	55	102	109	7	20	24-217
Chloroethane	50	50	0.00	46	52	91	103	12	20	69-134
Trichlorofluoromethane	50	50	0.00	72	70	145	139	4	20	71-147
Tertiary-butyl alcohol	250	250	0.00	288	360	115	144	* 22	20	58-146
1,1-Dichloroethene	50	50	0.00	49	54	99	108	8	20	78-136
Carbon Disulfide	50	50	0.00	53	54	106	108	1	20	70-136
Freon-113	50	50	0.00	57	63	113	126	10	20	60-140
Methylene Chloride	50	50	0.00	46	45	91	90	0.9	20	52-115
Acetone	50	50	0.00	41	41	81	82	1	20	0-158
trans-1,2-Dichloroethene	50	50	0.00	52	50	103	100	3	20	84-131
Methyl tert-butyl ether	100	100	1.2	119	122	118	121	2	20	62-130
Di-isopropyl ether	50	50	0.00	49	54	97	109	11	20	82-130
1,1-Dichloroethane	50	50	0.00	58	57	116	115	1	20	81-134
Ethyl tertiary-butyl ether	50	50	0.00	54	59	108	118	9	20	85-124
Vinyl Acetate	50	50	0.00	50	46	99	91	8	20	68-174
cis-1,2-Dichloroethene	50	50	0.00	50	50	99	101	2	20	84-123
1,2-Dichloroethylene (total)	100	100	0.00	101	100	101	100	1.0	20	84-131
2,2-Dichloropropane	50	50	0.00	66	61	132	121	8	20	69-150
Bromochloromethane	50	50	0.00	51	49	102	98	4	20	77-146
Chloroform	50	50	0.00	68	63	* 136	125	8	20	80-130
Carbon Tetrachloride	50	50	0.00	79	72	* 157	* 143	9	20	74-137
1,1,1-Trichloroethane	50	50	0.00	80	72	* 160	* 144	10	20	76-138
1,1-Dichloropropene	50	50	0.00	70	63	* 139	* 127	9	20	82-120
2-Butanone	50	50	0.00	36	86	72	* 173 *	82	20	49-154
Benzene	50	50	0.00	54	52	109	104	5	20	88-120
Tertiary-amyl methyl ether	50	50	0.00	57	59	114	118	3	20	85-125
1,2-Dichloroethane	50	50	0.00	82	69	* 164	138	17	20	78-138
Trichloroethene	50	50	0.00	66	60	* 131	121	8	20	80-125
Dibromomethane	50	50	0.00	69	61	* 138	122	12	20	88-130
1,2-Dichloropropane	50	50	0.00	52	50	104	99	5	20	80-122
Bromodichloromethane	50	50	0.00	75	65	* 150	129	14	20	83-133
cis-1,3-dichloropropene	50	50	0.00	61	56	122	112	8	20	81-138
2-Chloroethylvinylether	50	50	0.00	0.0	0.0	* 0	* 0		20	50-211
Toluene	50	50	0.00	60	54	120	109	10	20	88-121
4-methyl-2-pentanone	50	50	0.00	68	60	137	121	12	20	72-140
Tetrachloroethene	50	50	0.00	54	51	108	103	5	20	77-129
trans-1,3-Dichloropropene	50	50	0.00	77	69	* 154	138	11	20	81-149
Dibromochloromethane	50	50	0.00	60	55	121	111	8	20	80-133
1,3-Dichloropropane	50	50	0.00	60	54	120	108	11	20	86-125
1,2-Dibromoethane	50	50	0.00	64	58	127	117	9	20	88-127
2-Hexanone	50	50	0.00	64	60	127	121	5	20	45-146
Chlorobenzene	50	50	0.00	57	55	114	109	5	20	84-123

FORM III VOA-1
F9295.D & F9296.D

Sample Data Summary A0000043

KATAHDIN ANALYTICAL SERVICES
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date:
Analysis Date: 10/26/05
Report Date: 10/28/2005
Matrix: WATER

Lab ID: WG22067-3 & WG22067-4
Client ID: SW-17-102005MS & SW-17-102005MSD
SDG: WV5584
Extracted by:
Extraction Method: SW846 5030
Analyst: SKT
Analysis Method: SW846 8260B
Lab Prep Batch: WG22067
Units: ug/l

COMPOUND	MS SPIKE	MSD SPIKE	SAMPLE CONC.	MS CONC.	MSD CONC.	MS %REC.	MSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
Ethylbenzene	50	50	0.00	65	59	129	118	9	20	84-134
1,1,1,2-Tetrachloroethane	50	50	0.00	68	64	* 135	128	5	20	83-130
Xylenes (total)	150	150	0.00	164	153	109	102	7	20	88-123
m+p-Xylenes	100	100	0.00	112	104	112	104	7	20	88-122
o-Xylene	50	50	0.00	52	48	104	97	7	20	90-123
Styrene	50	50	0.00	54	49	107	97	10	20	87-131
Bromoform	50	50	0.00	65	58	130	117	11	20	77-138
Isopropylbenzene	50	50	0.00	66	64	* 132	* 127	4	20	88-125
Bromobenzene	50	50	0.00	56	53	111	106	5	20	84-133
N-Propylbenzene	50	50	0.00	56	54	112	108	3	20	88-124
1,1,2,2-Tetrachloroethane	50	50	0.00	57	54	114	107	6	20	81-131
2-Chlorotoluene	50	50	0.00	60	58	120	116	4	20	84-128
1,2,3-Trichloropropane	50	50	0.00	60	59	120	119	1	20	76-132
4-Chlorotoluene	50	50	0.00	59	57	118	113	4	20	86-132
tert-Butylbenzene	50	50	0.00	60	60	120	120	0.7	20	82-131
1,2,4-Trimethylbenzene	50	50	0.00	56	56	113	112	0.9	20	88-121
P-Isopropyltoluene	50	50	0.00	55	53	110	107	3	20	86-122
1,3-Dichlorobenzene	50	50	0.00	50	51	101	101	0.2	20	86-124
1,4-Dichlorobenzene	50	50	0.00	50	51	101	102	0.8	20	80-127
N-Butylbenzene	50	50	0.00	54	52	107	104	3	20	81-133
sec-Butylbenzene	50	50	0.00	55	53	111	106	4	20	85-122
1,2-Dichlorobenzene	50	50	0.00	50	50	100	99	0.6	20	86-126
1,2-Dibromo-3-Chloropropane	50	50	0.00	68	65	135	130	4	20	61-136
Hexachlorobutadiene	50	50	0.00	57	55	113	110	3	20	52-129
1,2,4-Trichlorobenzene	50	50	0.00	53	52	107	103	4	20	53-157
1,2,3-Trimethylbenzene	50	50	0.00	55	60	110	120	8	20	60-140
Naphthalene	50	50	0.00	45	48	90	97	7	20	45-151
1,2,3-Trichlorobenzene	50	50	0.00	45	45	90	90	0.2	20	30-164

FORM III VOA-1
F9295.D & F9296.D

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: WV5584

Lab File ID: FB244 BFB Injection Date: 10/24/05

Instrument ID: GCMS-F BFB Injection Time: 0922

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	24.1
75	30.0 - 60.0% of mass 95	43.6
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.2
173	Less than 2.0% of mass 174	0.3 (0.4)1
174	Greater than 50.0% of mass 95	84.1
175	5.0 - 9.0% of mass 174	4.5 (5.4)1
176	95.0 - 101.0% of mass 174	80.1 (95.3)1
177	5.0 - 9.0% of mass 176	5.5 (6.9)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		VSTD050F24A	F9226	10/24/05	1022
02		VSTD200F24A	F9227	10/24/05	1056
03		VSTD100F24A	F9228	10/24/05	1130
04		VSTD020F24A	F9229	10/24/05	1204
05		VSTD005F24B	F9232	10/24/05	1405
06		VSTD001F24B	F9233	10/24/05	1439
07					
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FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project MIDDLE RIVER SDG No.: WV5584

Instrument ID: GCMS-F Calibration Date(s): 10/24/05 10/24/05

Column: RTX-VMS ID: 0.18 (mm) Calibration Time(s): 1022 1439

LAB FILE ID: RF1: F9233 RF5: F9232 RF20: F9229
RF50: F9226 RF100: F9228 RF200: F9227

								COEFFICENTS			%RSD	MAX %RSD
COMPOUND	RF1	RF5	RF20	RF50	RF100	RF200	CURVE	A0	A1	A2	OR R^2	OR R^2
Dichlorodifluoromethane	6165	27064	159410	360080	848260	1713300	LINR	4.44e-002	1.83289781		0.99858	0.99000
Chloromethane	0.539	0.494	0.588	0.520	0.580	0.622	AVRG		0.55727071		8.602	15.000
Vinyl chloride	0.436	0.447	0.508	0.459	0.508	0.520	AVRG		0.47981542		7.588	15.000
Bromomethane	0.430	0.343	0.411	0.414	0.406	0.392	AVRG		0.39931228		7.588	15.000
Chloroethane	0.254	0.266	0.326	0.285	0.306	0.302	AVRG		0.28975224		9.164	15.000
Trichlorofluoromethane	9667	44220	280230	609360	1365300	2803900	LINR	3.753e-002	1.12348715		0.99812	0.99000
Tertiary-butyl alcohol	2526	12777	60437	123930	213120	370020	2ORDR	-7.62e-002	29.0014655	29.0707968	0.99542	0.99000
1,1-Dichloroethene	0.400	0.355	0.476	0.411	0.459	0.446	AVRG		0.42448016		10.462	15.000
Carbon Disulfide	1.171	1.137	1.548	1.253	1.466	1.422	AVRG		1.33288794		12.672	15.000
Freon-113	0.381	0.347	0.434	0.362	0.414	0.413	AVRG		0.39183553		8.630	15.000
Methylene Chloride	15020	46258	200030	361660	876890	1581600	LINR	-2.57e-002	1.98195448		0.99964	0.99000
Acetone	0.059	0.029	0.034	0.030	0.028	0.026	AVRG		3.426e-002		36.202	15.000 <
trans-1,2-Dichloroethene	0.350	0.453	0.529	0.468	0.517	0.512	AVRG		0.47169346		14.131	15.000
Methyl tert-butyl ether	1.199	1.260	1.426	1.430	1.337	1.322	AVRG		1.32921830		6.838	15.000
Di-isopropyl ether	1.606	1.641	1.814	1.732	1.784	1.740	AVRG		1.71957619		4.700	15.000
1,1-Dichloroethane	0.611	0.765	0.900	0.875	0.888	0.878	AVRG		0.81944390		13.826	15.000
Ethyl tertiary-butyl ethe	1.620	1.535	1.699	1.777	1.703	1.706	AVRG		1.67329461		5.013	15.000
Vinyl Acetate	0.750	0.666	0.881	0.948	0.923	0.896	AVRG		0.84383859		13.156	15.000
cis-1,2-Dichloroethene	0.401	0.464	0.568	0.532	0.556	0.561	AVRG		0.51369789		13.089	15.000
1,2-Dichloroethylene (tot	0.750						AVRG		0.75055537		0.000	15.000
2,2-Dichloropropane	0.689	0.611	0.777	0.848	0.797	0.826	AVRG		0.75791550		11.941	15.000
Bromochloromethane	0.218	0.253	0.304	0.291	0.284	0.269	AVRG		0.26986875		11.430	15.000
Chloroform	0.801	0.844	0.957	0.992	0.952	0.978	AVRG		0.92054405		8.544	15.000
Carbon Tetrachloride	7275	39897	236160	527310	1185700	2361000	LINR	2.672e-002	1.91122047		0.99937	0.99000
1,1,1-Trichloroethane	0.659	0.644	0.803	0.874	0.825	0.867	AVRG		0.77869374		13.107	15.000
1,1-Dichloropropene	0.383	0.394	0.480	0.468	0.500	0.497	AVRG		0.45399932		11.443	15.000
2-Butanone	0.037	0.041	0.049	0.045	0.042	0.041	AVRG		4.276e-002		9.841	15.000
Benzene	1.026	1.017	1.266	1.146	1.228	1.157	AVRG		1.13994275		8.963	15.000
Tertiary-amyl methyl ethe	1.223	1.207	1.412	1.434	1.358	1.358	AVRG		1.33206563		7.160	15.000
1,2-Dichloroethane	0.602	0.510	0.571	0.632	0.564	0.591	AVRG		0.57816221		7.155	15.000
Trichloroethene	0.338	0.352	0.398	0.381	0.385	0.379	AVRG		0.37211916		6.035	15.000
Dibromomethane	0.201	0.198	0.247	0.247	0.238	0.248	AVRG		0.22985754		10.305	15.000
1,2-Dichloropropane	3963	26396	154300	298600	737850	1375800	LINR	1.113e-002	3.26035223		0.99978	0.99000
Bromodichloromethane	0.425	0.435	0.527	0.566	0.540	0.547	AVRG		0.50666099		12.046	15.000
cis-1,3-dichloropropene	0.430	0.463	0.592	0.593	0.590	0.580	AVRG		0.54128259		13.765	15.000
2-Chloroethylvinylether	1141	8182	46419	115720	285520	579940	LINR	6.38e-002	7.74914091		0.99822	0.99000
Toluene	0.610	0.648	0.825	0.774	0.824	0.811	AVRG		0.74864274		12.770	15.000
4-methyl-2-pentanone	0.226	0.251	0.322	0.314	0.290	0.274	AVRG		0.27952673		13.242	15.000
Tetrachloroethene	0.367	0.420	0.452	0.357	0.389	0.400	AVRG		0.39752872		8.775	15.000
trans-1,3-Dichloropropene	0.380	0.409	0.510	0.554	0.527	0.526	AVRG		0.48448883		14.781	15.000
Dibromochloromethane	5657	39001	209630	460060	1037200	2002400	LINR	1.571e-002	1.91355183		0.99994	0.99000
1,3-Dichloropropane	0.519	0.526	0.618	0.602	0.611	0.594	AVRG		0.57854995		7.638	15.000
1,2-Dibromoethane	0.288	0.303	0.363	0.373	0.357	0.363	AVRG		0.34115827		10.573	15.000
2-Hexanone	0.178	0.209	0.258	0.255	0.240	0.234	AVRG		0.22901072		13.361	15.000

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project MIDDLE RIVER SDG No.: WV5584

Instrument ID: GCMS-F Calibration Date(s): 10/24/05 10/24/05

Column: RTX-VMS ID: 0.18 (mm) Calibration Time(s): 1022 1439

LAB FILE ID: RF1: F9233 RF5: F9232 RF20: F9229
RF50: F9226 RF100: F9228 RF200: F9227

COMPOUND	RF1	RF5	RF20	RF50	RF100	RF200	CURVE	COEFFICENTS A0	A1	A2	%RSD OR R^2	MAX %RSD OR R^2
Chlorobenzene	0.857	0.999	1.183	1.109	1.149	1.117	AVRG		1.06898550		11.317	15.000
Ethylbenzene	1.432	1.485	1.838	1.770	1.858	1.798	AVRG		1.69693596		11.066	15.000
1,1,1,2-Tetrachloroethane	0.346	0.369	0.447	0.440	0.441	0.448	AVRG		0.41521629		10.907	15.000
Xylenes (total)	0.289						AVRG		0.28913022		0.000	15.000
m+p-Xylenes	0.506	0.522	0.640	0.608	0.659	0.645	AVRG		0.59673134		11.114	15.000
o-Xylene	7718	43925	267800	527240	1264700	2405900	LINR	1.67e-002	1.59012034		0.99972	0.99000
Styrene	12501	82911	477380	971520	2355000	4366700	LINR	1.231e-002	0.87263305		0.99959	0.99000
Bromoform	4275	24954	148150	320160	691940	1357300	LINR	1.161e-002	2.83089583		0.99978	0.99000
Isopropylbenzene	2.523	2.631	3.715	3.273	3.380	3.370	AVRG		3.14892062		14.884	15.000
Bromobenzene	1.053	1.047	1.338	1.164	1.197	1.187	AVRG		1.16441311		9.236	15.000
N-Propylbenzene	3.504	3.105	4.282	3.637	3.874	3.710	AVRG		3.68514011		10.610	15.000
1,1,2,2-Tetrachloroethane	0.781	0.794	1.076	0.919	0.880	0.866	AVRG		0.88616900		12.066	15.000
2-Chlorotoluene	2.170	2.270	3.057	2.622	2.750	2.712	AVRG		2.59699392		12.639	15.000
1,2,3-Trichloropropane	0.707	0.719	0.885	0.787	0.797	0.782	AVRG		0.77959672		8.200	15.000
4-Chlorotoluene	2.219	2.079	2.767	2.406	2.532	2.493	AVRG		2.41614572		10.056	15.000
tert-Butylbenzene	2.320	2.079	2.987	2.714	2.789	2.713	AVRG		2.60039240		12.874	15.000
1,2,4-Trimethylbenzene	1.420	1.457	2.038	1.700	1.896	1.813	AVRG		1.72081901		14.237	15.000
P-Isopropyltoluene	1.991	1.621	2.385	1.909	2.150	2.037	AVRG		2.01545758		12.602	15.000
1,3-Dichlorobenzene	1.769	1.425	1.959	1.573	1.718	1.666	AVRG		1.68521853		10.734	15.000
1,4-Dichlorobenzene	1.681	1.482	1.938	1.544	1.664	1.589	AVRG		1.64995961		9.674	15.000
N-Butylbenzene	1.563	1.173	1.799	1.418	1.681	1.553	AVRG		1.53090971		14.211	15.000
sec-Butylbenzene	2.697	2.414	3.535	2.794	3.097	2.981	AVRG		2.91992998		13.128	15.000
1,2-Dichlorobenzene	1.554	1.314	1.820	1.439	1.578	1.516	AVRG		1.53677118		10.962	15.000
1,2-Dibromo-3-Chloropropa	1453	4836	27359	59880	125880	229390	LINR	-3.71e-002	7.47255162		0.99884	0.99000
Hexachlorobutadiene	3043	12362	71605	113750	303080	536250	LINR	-2.05e-002	3.18298882		0.99685	0.99000
1,2,4-Trichlorobenzene	3750	14753	100660	152310	414600	742330	LINR	-1.19e-002	2.30018979		0.99642	0.99000
1,2,3-Trimethylbenzene	1.706	1.621	1.996	1.751	1.847	1.741	AVRG		1.77711028		7.301	15.000
Naphthalene	5532	18258	150900	184690	562780	981680	LINR	-1.35e-002	1.72970722		0.99165	0.99000
1,2,3-Trichlorobenzene	3489	11506	89104	103050	302300	488950	2ORDR	1.493e-002	2.57160097	0.79756297	0.99101	0.99000
Dibromofluoromethane	0.478	0.641	0.610	0.618	0.601	0.622	AVRG		0.59517742		9.907	15.000
1,2-Dichloroethane-D4	0.588	0.711	0.649	0.732	0.625	0.676	AVRG		0.66352525		8.149	15.000
Toluene-D8	0.920	1.176	1.190	1.136	1.153	1.148	AVRG		1.12039573		8.957	15.000
P-Bromofluorobenzene	0.431	0.478	0.487	0.515	0.483	0.495	AVRG		0.48161955		5.780	15.000

FORM VI VOA

FORM 6
VOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project MIDDLE RIVER SDG No.: WV5584

Instrument ID: GCMS-F Calibration Date(s): 10/24/05 10/24/05

Column: RTX-VMS ID: 0.18 (mm) Calibration Time(s): 1022 1439

Average %RSD test result.
Calculate Average %RSD: 13.43971825
Maximum Average %RSD: 15.00000000
Note: Passes Average %RSD Test.

FORM VI VOA

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: WV5584

Lab File ID: FB247 BFB Injection Date: 10/26/05

Instrument ID: GCMS-F BFB Injection Time: 1019

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	24.5
75	30.0 - 60.0% of mass 95	48.2
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	8.5
173	Less than 2.0% of mass 174	1.0 (1.3)1
174	Greater than 50.0% of mass 95	73.0
175	5.0 - 9.0% of mass 174	5.4 (7.4)1
176	95.0 - 101.0% of mass 174	70.5 (96.6)1
177	5.0 - 9.0% of mass 176	6.2 (8.8)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		VSTD050F26B	F9279	10/26/05	1141
02	WG22067-LCS	WG22067-1	F9280	10/26/05	1224
03	WG22067-BLANK	WG22067-2	F9283	10/26/05	1419
04	TB102005	WV5584-1	F9284	10/26/05	1453
05	SW-08-102005	WV5584-2	F9285	10/26/05	1527
06	SW-09-102005	WV5584-4	F9286	10/26/05	1601
07	SW-10-102005	WV5584-6	F9287	10/26/05	1635
08	SW-11-102005	WV5584-8	F9288	10/26/05	1709
09	SW-12-102005	WV5584-10	F9289	10/26/05	1744
10	SW-13-102005	WV5584-12	F9290	10/26/05	1818
11	SW-14-102005	WV5584-14	F9291	10/26/05	1852
12	SW-15-102005	WV5584-16	F9292	10/26/05	1925
13	SW-16-102005	WV5584-18	F9293	10/26/05	1959
14	SW-17-102005	WV5584-20	F9294	10/26/05	2033
15	SW-17-102005MS	WG22067-3	F9295	10/26/05	2107
16	SW-17-102005MSD	WG22067-4	F9296	10/26/05	2141
17					
18					
19					
20					
21					
22					

FORM V VOA

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: WV5584

Instrument ID: GCMS-F Calibration Date: 10/26/05 Time: 1141

Lab File ID: F9279 Init. Calib. Date(s): 10/24/05 10/24/05

Init. Calib. Times: 1022 1439

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	
Dichlorodifluoromethane	56.586000	50.000000	0.5932200	0.01	13.17		LINR	
Chloromethane	0.5570000	0.5567200	0.5567200	0.1	-0.05		AVRG	
Vinyl chloride	0.4800000	0.5143200	0.5143200	0.01	7.15	20.00	AVRG	
Bromomethane	0.3990000	0.4032200	0.4032200	0.01	1.06		AVRG	
Chloroethane	0.2900000	0.3059100	0.3059100	0.01	5.49		AVRG	
Trichlorofluoromethane	61.261000	50.000000	1.0572000	0.01	22.52		LINR	
Tertiary-butyl alcohol	0.0000000	250.00000	0.0000000	0.01	0.00		2RDR	<-
1,1-Dichloroethene	0.4240000	0.4358800	0.4358800	0.1	2.80	20.00	AVRG	
Carbon Disulfide	1.3330000	1.4100000	1.4100000	0.01	5.78		AVRG	
Freon-113	0.3920000	0.4287900	0.4287900	0.01	9.38		AVRG	
Methylene Chloride	49.468000	50.000000	0.5121700	0.01	-1.06		LINR	
Acetone	3.4e-002	2.17e-002	2.17e-002	0.01	-36.18		AVRG	
trans-1,2-Dichloroethene	0.4720000	0.5106600	0.5106600	0.01	8.19		AVRG	
Methyl tert-butyl ether	1.3290000	1.3556000	1.3556000	0.01	2.00		AVRG	
Di-isopropyl ether	1.7200000	0.9589400	0.9589400	0.01	-44.25		AVRG	
1,1-Dichloroethane	0.8200000	0.9218000	0.9218000	0.3	12.42		AVRG	
Ethyl tertiary-butyl ether	1.6730000	1.7578000	1.7578000	0.01	5.07		AVRG	
Vinyl Acetate	0.8440000	0.8755600	0.8755600	0.01	3.74		AVRG	
cis-1,2-Dichloroethene	0.5140000	0.5519400	0.5519400	0.01	7.38		AVRG	
1,2-Dichloroethylene (total)	0.7500000	1.0626000	1.0626000	0.01	41.68		AVRG	
2,2-Dichloropropane	0.7580000	0.9131400	0.9131400	0.01	20.47		AVRG	
Bromochloromethane	0.2700000	0.2712900	0.2712900	0.01	0.48		AVRG	
Chloroform	0.9210000	1.0806000	1.0806000	0.01	17.33	20.00	AVRG	
Carbon Tetrachloride	62.231000	50.000000	0.6372400	0.01	24.46		LINR	
1,1,1-Trichloroethane	0.7790000	0.9992800	0.9992800	0.01	28.28		AVRG	
1,1-Dichloropropene	0.4540000	0.5433800	0.5433800	0.01	19.69		AVRG	
2-Butanone	4.2e-002	3.82e-002	3.82e-002	0.01	-9.05		AVRG	
Benzene	1.1400000	1.2333000	1.2333000	0.01	8.18		AVRG	
Tertiary-amyl methyl ether	1.3320000	1.3498000	1.3498000	0.01	1.34		AVRG	

FORM VII PEST

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: WV5584

Instrument ID: GCMS-F Calibration Date: 10/26/05 Time: 1141

Lab File ID: F9279 Init. Calib. Date(s): 10/24/05 10/24/05

Init. Calib. Times: 1022 1439

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
1,2-Dichloroethane	0.5780000	0.6891900	0.6891900	0.01	19.24		AVRG
Trichloroethene	0.3720000	0.4270000	0.4270000	0.01	14.78		AVRG
Dibromomethane	0.2300000	0.2572100	0.2572100	0.01	11.83		AVRG
1,2-Dichloropropane	51.796000	50.000000	0.3143200	0.01	3.59	20.00	LINR
Bromodichloromethane	0.5070000	0.6424700	0.6424700	0.01	26.72		AVRG
cis-1,3-dichloropropene	0.5410000	0.6282400	0.6282400	0.01	16.13		AVRG
2-Chloroethylvinylether	40.404000	50.000000	9.6e-002	0.01	-19.19		LINR
Toluene	0.7490000	0.8492200	0.8492200	0.01	13.38	20.00	AVRG
4-methyl-2-pentanone	0.2800000	0.2615000	0.2615000	0.01	-6.61		AVRG
Tetrachloroethene	0.3980000	0.5301500	0.5301500	0.01	33.20		AVRG
trans-1,3-Dichloropropene	0.4840000	0.5686400	0.5686400	0.01	17.49		AVRG
Dibromochloromethane	52.834000	50.000000	0.5440000	0.01	5.67		LINR
1,3-Dichloropropane	0.5780000	0.5996600	0.5996600	0.01	3.75		AVRG
1,2-Dibromoethane	0.3410000	0.3576700	0.3576700	0.01	4.89		AVRG
2-Hexanone	0.2290000	0.2109800	0.2109800	0.01	-7.87		AVRG
Chlorobenzene	1.0690000	1.1762000	1.1762000	0.3	10.03		AVRG
Ethylbenzene	1.6970000	1.9639000	1.9639000	0.01	15.73	20.00	AVRG
1,1,1,2-Tetrachloroethane	0.4150000	0.4838500	0.4838500	0.01	16.59		AVRG
Xylenes (total)	0.2890000	0.6118300	0.6118300	0.01	111.70		AVRG
m+p-Xylenes	0.5970000	0.6205700	0.6205700	0.01	3.95		AVRG
o-Xylene	48.089000	50.000000	0.5943400	0.01	-3.82		LINR
Styrene	47.777000	50.000000	1.0809000	0.01	-4.45		LINR
Bromoform	48.712000	50.000000	0.3400400	0.1	-2.58		LINR
Isopropylbenzene	3.1490000	3.8690000	3.8690000	0.01	22.86		AVRG
Bromobenzene	1.1640000	1.3499000	1.3499000	0.01	15.97		AVRG
N-Propylbenzene	3.6850000	4.1116000	4.1116000	0.01	11.58		AVRG
1,1,2,2-Tetrachloroethane	0.8860000	0.8620600	0.8620600	0.3	-2.70		AVRG
2-Chlorotoluene	2.5970000	3.0962000	3.0962000	0.01	19.22		AVRG
1,2,3-Trichloropropane	0.7800000	0.8353600	0.8353600	0.01	7.10		AVRG

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: WV5584

Instrument ID: GCMS-F Calibration Date: 10/26/05 Time: 1141

Lab File ID: F9279 Init. Calib. Date(s): 10/24/05 10/24/05

Init. Calib. Times: 1022 1439

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
4-Chlorotoluene	2.4160000	2.7772000	2.7772000	0.01	14.95		AVRG
tert-Butylbenzene	2.6000000	2.7832000	2.7832000	0.01	7.05		AVRG
1,2,4-Trimethylbenzene	1.7210000	1.8750000	1.8750000	0.01	8.95		AVRG
P-Isopropyltoluene	2.0160000	2.1596000	2.1596000	0.01	7.12		AVRG
1,3-Dichlorobenzene	1.6850000	1.7172000	1.7172000	0.01	1.91		AVRG
1,4-Dichlorobenzene	1.6500000	1.6654000	1.6654000	0.01	0.93		AVRG
N-Butylbenzene	1.5310000	1.5757000	1.5757000	0.01	2.92		AVRG
sec-Butylbenzene	2.9200000	3.2132000	3.2132000	0.01	10.04		AVRG
1,2-Dichlorobenzene	1.5370000	1.5024000	1.5024000	0.01	-2.25		AVRG
1,2-Dibromo-3-Chloropropane	46.973000	50.000000	0.1306900	0.01	-6.05		LINR
Hexachlorobutadiene	54.251000	50.000000	0.3473100	0.01	8.50		LINR
1,2,4-Trichlorobenzene	41.446000	50.000000	0.3655500	0.01	-17.11		LINR
1,2,3-Trimethylbenzene	1.7770000	1.8548000	1.8548000	0.01	4.38		AVRG
Naphthalene	34.090000	50.000000	0.4019500	0.01	-31.82		LINR
1,2,3-Trichlorobenzene	30.771000	50.000000	0.2186800	0.01	-38.46		2RDR
Dibromofluoromethane	0.5950000	0.5682600	0.5682600	0.01	-4.49		AVRG
1,2-Dichloroethane-D4	0.6640000	0.6700400	0.6700400	0.01	0.91		AVRG
Toluene-D8	1.1200000	1.0699000	1.0699000	0.01	-4.47		AVRG
P-Bromofluorobenzene	0.4820000	0.4751900	0.4751900	0.01	-1.41		AVRG

FORM 4

SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG22052-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: WV5584

Lab File ID: X8967 Lab Sample ID: WG22052-1

Instrument ID: GCMS-X Date Extracted: 10/26/05

Matrix: (soil/water) WATER Date Analyzed: 10/27/05

Level: (low/med) LOW Time Analyzed: 1824

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	WG22052-LCS	WG22052-2	X8968	10/27/05	1908
02	SW-17-102005MS	WG22052-3	X8969	10/27/05	1953
03	SW-17-102005MSD	WG22052-4	X8970	10/27/05	2037
04	SW-08-102005	WV5584-2	X8971	10/27/05	2121
05	SW-10-102005	WV5584-6	X8973	10/27/05	2250
06	SW-11-102005	WV5584-8	X8974	10/27/05	2335
07	SW-12-102005	WV5584-10	X8975	10/28/05	0019
08	SW-13-102005	WV5584-12	X8976	10/28/05	0103
09	SW-14-102005	WV5584-14	X8977	10/28/05	0148
10	SW-15-102005	WV5584-16	X8978	10/28/05	0232
11	SW-16-102005	WV5584-18	X8979	10/28/05	0317
12	SW-09-102005	WV5584-4RA	X8990	10/28/05	1414
13	SW-17-102005	WV5584-20RA	X8991	10/28/05	1458
14					
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COMMENTS:

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: MIDDLE RIVER
PO No:
Sample Date:
Received Date:
Extraction Date: 10/26/05
Analysis Date: 27-OCT-2005 18:24
Report Date: 10/31/2005
Matrix: WATER
% Solids: NA

Lab ID: WG22052-1
Client ID: WG22052-Blank
SDG: WV5584
Extracted by: TR
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG22052
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
123-91-1	1,4-Dioxane	U	10	1.0	10	10	5
62-75-9	N-Nitrosodimethylamine	U	10	1.0	10	10	2
110-86-1	Pyridine	U	10	1.0	10	10	3
62-53-3	Aniline	U	10	1.0	10	10	3
108-60-1	2,2'-Oxybis(1-Chloropropane)	U	10	1.0	10	10	2
108-95-2	Phenol	U	10	1.0	10	10	6
111-44-4	Bis(2-Chloroethyl)ether	U	10	1.0	10	10	3
95-57-8	2-Chlorophenol	U	10	1.0	10	10	5
541-73-1	1,3-Dichlorobenzene	U	10	1.0	10	10	3
106-46-7	1,4-Dichlorobenzene	U	10	1.0	10	10	3
100-51-6	Benzyl alcohol	U	10	1.0	10	10	2
95-48-7	2-Methylphenol	U	10	1.0	10	10	5
95-50-1	1,2-Dichlorobenzene	U	10	1.0	10	10	3
621-64-7	N-Nitroso-di-n-propylamine	U	10	1.0	10	10	2
106-44-5	3&4-Methylphenol	U	10	1.0	10	10	5
67-72-1	Hexachloroethane	U	10	1.0	10	10	2
98-95-3	Nitrobenzene	U	10	1.0	10	10	3
78-59-1	Isophorone	U	10	1.0	10	10	2
88-75-5	2-Nitrophenol	U	10	1.0	10	10	6
105-67-9	2,4-Dimethylphenol	U	10	1.0	10	10	8
111-91-1	Bis(2-Chloroethoxy)methane	U	10	1.0	10	10	3
65-85-0	Benzoic acid	U	50	1.0	50	50	25
120-83-2	2,4-Dichlorophenol	U	10	1.0	10	10	6
120-82-1	1,2,4-Trichlorobenzene	U	10	1.0	10	10	3
91-20-3	Naphthalene	U	10	1.0	10	10	3
106-47-8	4-Chloroaniline	U	10	1.0	10	10	4
87-68-3	Hexachlorobutadiene	U	10	1.0	10	10	4
59-50-7	4-Chloro-3-Methylphenol	U	10	1.0	10	10	6
91-57-6	2-Methylnaphthalene	U	10	1.0	10	10	5
90-12-0	1-Methylnaphthalene	U	10	1.0	10	10	5
77-47-4	Hexachlorocyclopentadiene	U	10	1.0	10	10	2
88-06-2	2,4,6-Trichlorophenol	U	10	1.0	10	10	8
95-95-4	2,4,5-Trichlorophenol	U	25	1.0	25	25	7
91-58-7	2-Chloronaphthalene	U	10	1.0	10	10	3
88-74-4	2-Nitroaniline	U	25	1.0	25	25	3
131-11-3	Dimethyl Phthalate	U	10	1.0	10	10	3
606-20-2	2,6-Dinitrotoluene	U	10	1.0	10	10	3
208-96-8	Acenaphthylene	U	10	1.0	10	10	3
99-09-2	3-Nitroaniline	U	25	1.0	25	25	3
83-32-9	Acenaphthene	U	10	1.0	10	10	2
51-28-5	2,4-Dinitrophenol	U	25	1.0	25	25	5
132-64-9	Dibenzofuran	U	10	1.0	10	10	4
100-02-7	4-Nitrophenol	U	25	1.0	25	25	6

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: MIDDLE RIVER
PO No:
Sample Date:
Received Date:
Extraction Date: 10/26/05
Analysis Date: 27-OCT-2005 18:24
Report Date: 10/31/2005
Matrix: WATER
% Solids: NA

Lab ID: WG22052-1
Client ID: WG22052-Blank
SDG: WV5584
Extracted by: TR
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG22052
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
121-14-2	2,4-Dinitrotoluene	U	10	1.0	10	10	4
84-66-2	Diethylphthalate	U	10	1.0	10	10	2
86-73-7	Fluorene	U	10	1.0	10	10	3
7005-72-3	4-Chlorophenyl-phenylether	U	10	1.0	10	10	3
100-01-6	4-Nitroaniline	U	25	1.0	25	25	5
534-52-1	4,6-Dinitro-2-Methylphenol	U	25	1.0	25	25	10
86-30-6	N-Nitrosodiphenylamine	U	10	1.0	10	10	8
103-33-3	Azobenzene	U	10	1.0	10	10	2
101-55-3	4-Bromophenyl-phenylether	U	10	1.0	10	10	5
118-74-1	Hexachlorobenzene	U	10	1.0	10	10	4
87-86-5	Pentachlorophenol	U	25	1.0	25	25	9
85-01-8	Phenanthrene	U	10	1.0	10	10	3
120-12-7	Anthracene	U	10	1.0	10	10	3
86-74-8	Carbazole	U	10	1.0	10	10	4
84-74-2	Di-n-butylphthalate	U	10	1.0	10	10	2
206-44-0	Fluoranthene	U	10	1.0	10	10	3
92-87-5	Benzidine	U	10	1.0	10	10	5
129-00-0	Pyrene	U	10	1.0	10	10	4
85-68-7	Butylbenzylphthalate	U	10	1.0	10	10	3
56-55-3	Benzo(a)anthracene	U	10	1.0	10	10	3
91-94-1	3,3'-Dichlorobenzidine	U	10	1.0	10	10	4
218-01-9	Chrysene	U	10	1.0	10	10	3
117-81-7	bis(2-Ethylhexyl)phthalate	U	10	1.0	10	10	8
117-84-0	Di-n-octylphthalate	U	10	1.0	10	10	3
205-99-2	Benzo(b)fluoranthene	U	10	1.0	10	10	2
207-08-9	Benzo(k)fluoranthene	U	10	1.0	10	10	3
50-32-8	Benzo(a)pyrene	U	10	1.0	10	10	2
193-39-5	Indeno(1,2,3-cd)pyrene	U	10	1.0	10	10	2
53-70-3	Dibenzo(a,h)anthracene	U	10	1.0	10	10	2
191-24-2	Benzo(g,h,i)perylene	U	10	1.0	10	10	2
367-12-4	2-Fluorophenol		54%				
13127-88-3	Phenol-D6		42%				
4165-60-0	Nitrobenzene-D5		66%				
321-60-8	2-Fluorobiphenyl		64%				
118-79-6	2,4,6-Tribromophenol		97%				
1718-51-0	Terphenyl-D14		119%				

FORM 1
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT SAMPLE ID

WG22052-Blank

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: WV5584

Matrix: (soil/water) WATER Lab Sample ID: WG22052-1

Sample wt/vol: 1.000 (g/L) L Lab File ID: X8967

Level: (low/med) LOW Date Received: _____

% Moisture: _____ decanted: (Y/N)___ Date Extracted:10/26/05

Concentrated Extract Volume: 0.001(L) Date Analyzed: 10/27/05

Injection Volume: 1.0(uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) ug/L

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		UNKNOWN ALKANE	2.45	100	J
2.		UNKNOWN	5.28	50	J
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FORM I SV-TIC

FORM 2

WATER SEMIVOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: WV5584

	CLIENT SAMPLE ID	LAB SAMPLE ID	S1 2FP#	S2 PHL#	S3 NBZ#	S4 FBP#	S5 TBP#	S6 TPH#	S7 #	S8 #	TOT OUT
01	WG22052-BLANK	WG22052-1	54	42	66	64	97	119			0
02	WG22052-LCS	WG22052-2	53	41	68	67	84	94			0
03	SW-17-102005MS	WG22052-3	20	18	35*	45	39	62			1
04	SW-17-102005MSD	WG22052-4	36	34	61	74	61	92			0
05	SW-08-102005	WV5584-2	19	16	40*	40	26	57			1
06	SW-10-102005	WV5584-6	30	24	59	56	36	74			0
07	SW-11-102005	WV5584-8	24	20	41*	51	30	59			1
08	SW-12-102005	WV5584-10	22	19	40*	46	23	54			1
09	SW-13-102005	WV5584-12	43	36	98	84	41	92			0
10	SW-14-102005	WV5584-14	35	30	63	68	37	67			0
11	SW-15-102005	WV5584-16	36	33	66	65	44	94			0
12	SW-16-102005	WV5584-18	29	29	48	56	39	82			0
13	SW-09-102005	WV5584-4RA	16*	16	33*	36*	32	47			3
14	SW-17-102005	WV5584-20RA	24	23	43*	45	34	48			1
15											
16											
17											
18											
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26											
27											
28											

	QC LIMITS
S1 (2FP) = 2-Fluorophenol	(18-103)
S2 (PHL) = Phenol-D6	(11-117)
S3 (NBZ) = Nitrobenzene-D5	(48-109)
S4 (FBP) = 2-Fluorobiphenyl	(37-112)
S5 (TBP) = 2,4,6-Tribromophenol	(22-145)
S6 (TPH) = Terphenyl-D14	(39-164)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogate diluted out

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: MIDDLE RIVER
PO No:
Sample Date:
Received Date:
Extraction Date: 10/26/05
Analysis Date: 10/27/05
Report Date: 10/29/2005
Matrix: WATER

Lab ID: WG22052-2
Client ID: WG22052-LCS
SDG: WV5584
Extracted by: TR
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG22052
Units: ug/L

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
N-Nitrosodimethylamine	50	NA	20	40	29-115
Pyridine	50	NA	16	32	0-150
Aniline	50	NA	32	64	40-116
2,2'-Oxybis(1-Chloropropane)	50	NA	35	69	52-120
Phenol	100	NA	40	40	0-140
Bis(2-Chloroethyl)ether	50	NA	41	82	51-125
2-Chlorophenol	100	NA	75	75	59-127
1,3-Dichlorobenzene	50	NA	24	48	41- 97
1,4-Dichlorobenzene	50	NA	25	49	40- 98
Benzyl alcohol	50	NA	59	118	59-142
2-Methylphenol	100	NA	77	77	59-122
1,2-Dichlorobenzene	50	NA	26	53	32-107
N-Nitroso-di-n-propylamine	50	NA	40	79	55-109
3&4-Methylphenol	100	NA	75	75	46-139
Hexachloroethane	50	NA	22	45	23- 98
Nitrobenzene	50	NA	33	66	66-114
Isophorone	50	NA	37	74	59-114
2-Nitrophenol	100	NA	71	71	18-162
2,4-Dimethylphenol	100	NA	74	74	73-109
Bis(2-Chloroethoxy)methane	50	NA	37	73	60-122
Benzoic acid		NA			0-150
2,4-Dichlorophenol	100	NA	75	75	60-125
1,2,4-Trichlorobenzene	50	NA	24	* 47	49-104
Naphthalene	50	NA	30	60	58-116
4-Chloroaniline	50	NA	35	69	21-142
Hexachlorobutadiene	50	NA	18	* 36	37-102
4-Chloro-3-Methylphenol	100	NA	87	87	74-120
2-Methylnaphthalene	50	NA	33	65	64-117
Hexachlorocyclopentadiene	50	NA	14	28	6- 67
2,4,6-Trichlorophenol	100	NA	74	74	67-128
2,4,5-Trichlorophenol	100	NA	69	69	61-136
2-Chloronaphthalene	50	NA	27	54	53-153
2-Nitroaniline	50	NA	37	* 75	76-118
Dimethyl Phthalate	50	NA	25	51	38-131
2,6-Dinitrotoluene	50	NA	40	81	71-127
Acenaphthylene	50	NA	38	75	46-118
3-Nitroaniline	50	NA	34	68	12-178
Acenaphthene	50	NA	38	75	64-122
2,4-Dinitrophenol	100	NA	41	* 41	53-130
Dibenzofuran	50	NA	42	84	73-120
4-Nitrophenol	100	NA	45	45	0-169
2,4-Dinitrotoluene	50	NA	48	96	68-120
Diethylphthalate	50	NA	40	81	70-120
Fluorene	50	NA	41	83	68-126
4-Chlorophenyl-phenylether	50	NA	38	76	61-134

Sample Data Summary A0000090

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: MIDDLE RIVER
PO No:
Sample Date:
Received Date:
Extraction Date: 10/26/05
Analysis Date: 10/27/05
Report Date: 10/29/2005
Matrix: WATER

Lab ID: WG22052-2
Client ID: WG22052-LCS
SDG: WV5584
Extracted by: TR
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG22052
Units: ug/L

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
4-Nitroaniline	50	NA	33	66	32-127
4,6-Dinitro-2-Methylphenol	100	NA	81	81	61-148
N-Nitrosodiphenylamine	100	NA	34	34	31-177
Azobenzene	50	NA	44	89	0-100
4-Bromophenyl-phenylether	50	NA	36	73	65-149
Hexachlorobenzene	50	NA	33	67	57-154
Pentachlorophenol	100	NA	77	77	25-173
Phenanthrene	50	NA	41	83	73-141
Anthracene	50	NA	44	88	73-136
Carbazole	50	NA	47	93	36-170
Di-n-butylphthalate	50	NA	45	90	67-137
Fluoranthene	50	NA	40	80	73-135
Benzidine		NA			0-150
Pyrene	50	NA	47	93	55-154
Butylbenzylphthalate	50	NA	48	97	60-130
Benzo(a)anthracene	50	NA	36	71	62-131
3,3'-Dichlorobenzidine	50	NA	20	* 39	68-173
Chrysene	50	NA	39	78	64-127
bis(2-Ethylhexyl)phthalate	50	NA	48	97	49-150
Di-n-octylphthalate	50	NA	59	117	58-147
Benzo(b)fluoranthene	50	NA	42	85	64-130
Benzo(k)fluoranthene	50	NA	42	83	70-154
Benzo(a)pyrene	50	NA	39	78	61-130
Indeno(1,2,3-cd)pyrene	50	NA	27	54	37-161
Dibenzo(a,h)anthracene	50	NA	30	59	44-148
Benzo(g,h,i)perylene	50	NA	32	63	34-154

FORM III SV-1
X8968.D

KATAHDIN ANALYTICAL SERVICES
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date: 10/26/05
Analysis Date: 10/27/05
Report Date: 10/29/2005
Matrix: WATER

Lab ID: WG22052-3 & WG22052-4
Client ID: SW-17-102005MS & SW-17-102005MSD
SDG: WV5584
Extracted by: TR
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG22052
Units: ug/L

COMPOUND	MS SPIKE	MSD SPIKE	SAMPLE CONC.	MS CONC.	MSD CONC.		MS %REC.		MSD %REC.		%RPD	%RPD LIMIT	QC. LIMITS
N-Nitrosodimethylamine	48	47	0.00	9.6	18	*	20		37	*	59	30	29-115
Pyridine	48	47	0.00	5.6	13		11		27	*	78	30	0-150
Aniline	48	47	0.00	17	31	*	35		66	*	58	30	40-116
2,2'-Oxybis(1-Chloropropane)	48	47	0.00	15	29	*	31		61	*	63	30	52-120
Phenol	97	94	0.00	18	31		18		32	*	54	30	0-140
Bis(2-Chloroethyl)ether	48	47	0.00	18	34	*	36		72	*	64	30	51-125
2-Chlorophenol	97	94	0.00	30	56	*	31		59	*	60	30	59-127
1,3-Dichlorobenzene	48	47	0.00	12	24	*	25		50	*	63	30	41- 97
1,4-Dichlorobenzene	48	47	0.00	13	24	*	26		52	*	64	30	40- 98
Benzyl alcohol	48	47	0.00	20	45	*	42		96	*	76	30	59-142
2-Methylphenol	97	94	0.00	31	55	*	32		59	*	57	30	59-122
1,2-Dichlorobenzene	48	47	0.00	13	25	*	26		53	*	65	30	32-107
N-Nitroso-di-n-propylamine	48	47	0.00	19	36	*	39		76	*	62	30	55-109
3&4-Methylphenol	97	94	0.00	30	52	*	31		55	*	54	30	46-139
Hexachloroethane	48	47	0.00	11	24		23		50	*	72	30	23- 98
Nitrobenzene	48	47	0.00	17	31	*	34	*	65	*	59	30	66-114
Isophorone	48	47	0.00	21	35	*	42		74	*	52	30	59-114
2-Nitrophenol	97	94	0.00	36	66		37		70	*	59	30	18-162
2,4-Dimethylphenol	97	94	0.00	31	54	*	32	*	57	*	54	30	73-109
Bis(2-Chloroethoxy)methane	48	47	0.00	18	34	*	38		71	*	58	30	60-122
Benzoic acid	48	47	0.00	0.0	0.0		0		0			30	0-150
2,4-Dichlorophenol	97	94	0.00	34	63	*	35		67	*	61	30	60-125
1,2,4-Trichlorobenzene	48	47	0.00	13	26	*	27		54	*	63	30	49-104
Naphthalene	48	47	0.00	17	30	*	35		64	*	56	30	58-116
4-Chloroaniline	48	47	0.00	24	38		50		80	*	43	30	21-142
Hexachlorobutadiene	48	47	0.00	9.4	21	*	19		44	*	74	30	37-102
4-Chloro-3-Methylphenol	97	94	0.00	43	74	*	44		78	*	52	30	74-120
2-Methylnaphthalene	48	47	0.00	20	35	*	40		74	*	56	30	64-117
Hexachlorocyclopentadiene	48	47	0.00	8.7	19		18		41	*	76	30	6- 67
2,4,6-Trichlorophenol	97	94	0.00	42	61	*	44	*	64	*	35	30	67-128
2,4,5-Trichlorophenol	97	94	0.00	44	66	*	45		70	*	41	30	61-136
2-Chloronaphthalene	48	47	0.00	18	29	*	38		62	*	46	30	53-153
2-Nitroaniline	48	47	0.00	24	36	*	49		76	*	40	30	76-118
Dimethyl Phthalate	48	47	0.00	27	42		56		88	*	41	30	38-131
2,6-Dinitrotoluene	48	47	0.00	26	41	*	53		87	*	45	30	71-127
Acenaphthylene	48	47	0.00	24	38		50		80	*	42	30	46-118
3-Nitroaniline	48	47	0.00	23	29		47		61		22	30	12-178
Acenaphthene	48	47	0.00	25	39	*	51		84	*	46	30	64-122
2,4-Dinitrophenol	97	94	0.00	11	43	*	12	*	45	*	120	30	53-130
Dibenzofuran	48	47	0.00	26	42	*	54		89	*	45	30	73-120
4-Nitrophenol	97	94	0.00	24	35		25		37	*	36	30	0-169
2,4-Dinitrotoluene	48	47	0.00	26	40	*	53		84	*	43	30	68-120
Diethylphthalate	48	47	0.00	27	42	*	55		88	*	44	30	70-120
Fluorene	48	47	0.00	26	39	*	54		83	*	39	30	68-126
4-Chlorophenyl-phenylether	48	47	0.00	25	38	*	51		80	*	42	30	61-134

FORM III SV-1
X8969.D & X8970.D

Sample Data Summary A0000092

KATAHDIN ANALYTICAL SERVICES
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date: 10/26/05
Analysis Date: 10/27/05
Report Date: 10/29/2005
Matrix: WATER

Lab ID: WG22052-3 & WG22052-4
Client ID: SW-17-102005MS & SW-17-102005MSD
SDG: WV5584
Extracted by: TR
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 8270C
Lab Prep Batch: WG22052
Units: ug/L

COMPOUND	MS SPIKE	MSD SPIKE	SAMPLE CONC.	MS CONC.	MSD CONC.		MS %REC.		MSD %REC.		%RPD	%RPD LIMIT	QC. LIMITS
4-Nitroaniline	48	47	0.00	20	24		42		51		18	30	32-127
4,6-Dinitro-2-Methylphenol	97	94	0.00	45	76	*	47		80	*	50	30	61-148
N-Nitrosodiphenylamine	97	94	0.00	23	35	*	23		37	*	43	30	31-177
Azobenzene	48	47	0.00	28	48		59	*	102	*	51	30	0-100
4-Bromophenyl-phenylether	48	47	0.00	24	38	*	50		81	*	46	30	65-149
Hexachlorobenzene	48	47	0.00	24	36	*	49		77	*	41	30	57-154
Pentachlorophenol	97	94	0.00	39	61		40		64	*	44	30	25-173
Phenanthrene	48	47	0.00	29	40	*	60		84	*	32	30	73-141
Anthracene	48	47	0.00	29	41	*	60		87	*	34	30	73-136
Carbazole	48	47	0.00	32	40		67		84		20	30	36-170
Di-n-butylphthalate	48	47	0.00	26	37	*	54		79	*	34	30	67-137
Fluoranthene	48	47	0.00	29	33	*	60	*	78		13	30	73-135
Benzidine	48	47	0.00	0.0	0.0	*	0		0			30	0-150
Pyrene	48	47	0.00	32	48		67		101	*	38	30	55-154
Butylbenzylphthalate	48	47	0.00	30	46		62		98	*	42	30	60-130
Benzo(a)anthracene	48	47	0.00	24	36	*	49		76	*	40	30	62-131
3,3'-Dichlorobenzidine	48	47	0.00	9.8	13	*	20	*	28		28	30	68-173
Chrysene	48	47	0.00	26	37	*	53		78	*	36	30	64-127
bis(2-Ethylhexyl)phthalate	48	47	0.00	28	43		58		91	*	42	30	49-150
Di-n-octylphthalate	48	47	0.00	32	50		67		106	*	42	30	58-147
Benzo(b)fluoranthene	48	47	0.00	25	38	*	52		80	*	40	30	64-130
Benzo(k)fluoranthene	48	47	0.00	29	38	*	59		80		28	30	70-154
Benzo(a)pyrene	48	47	0.00	24	34	*	49		71	*	34	30	61-130
Indeno(1,2,3-cd)pyrene	48	47	0.00	16	22	*	33		47	*	32	30	37-161
Dibenzo(a,h)anthracene	48	47	0.00	16	24	*	34		50	*	36	30	44-148
Benzo(g,h,i)perylene	48	47	0.00	18	23		37		49		26	30	34-154

FORM III SV-1
X8969.D & X8970.D

FORM 5

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: WV5584

Lab File ID: XD562 DFTPP Injection Date: 10/22/05

Instrument ID: GCMS-X DFTPP Injection Time: 0931

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	44.9
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Less than 100.0% of mass 198	51.3
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	44.4
197	Less than 1.0% of mass 198	0.5
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	25.9
365	1.0 - 100.0% of mass 198	3.1
441	0.0 - 100.0% of mass 443	10.1 (89.8)2
442	40.0 - 100.0% of mass 198	61.7
443	17.0 - 23.0% of mass 442	11.2 (18.2)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		SSTD050X1022	X8900	10/22/05	1038
02		SSTD150X1022	X8901	10/22/05	1131
03		SSTD125X1022	X8902	10/22/05	1215
04		SSTD100X1022	X8903	10/22/05	1259
05		SSTD025X1022	X8904	10/22/05	1344
06		SSTD010X1022	X8905	10/22/05	1428
07					
08					
09					
10					
11					
12					
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 MIDDLE RIVER SDG No.: WV5584

Instrument ID: GCMS-X Calibration Date(s): 10/22/05 10/22/05

Column: DB5-MS ID: 0.25 (mm) Calibration Time(s): 1038 1428

LAB FILE ID: RF10: X8905 RF25: X8904 RF50: X8900
RF100: X8903 RF125: X8902 RF150: X8901

								COEFFICENTS		%RSD	MAX %RSD
COMPOUND	RF10	RF25	RF50	RF100	RF125	RF150	CURVE	A0	A1	OR R^2	OR R^2
1,4-Dioxane	0.408	0.425	0.358	0.368	0.386	0.342	AVRG		0.38100263	8.215	15.000
N-Nitrosodimethylamine	0.720	0.844	0.628	0.728	0.681	0.661	AVRG		0.71013330	10.620	15.000
Pyridine	1.068	1.222	1.039	1.131	1.117	0.909	AVRG		1.08094784	9.707	15.000
Aniline	1.339	1.304	1.074	1.179	1.100	1.120	AVRG		1.18624220	9.363	15.000
2,2'-Oxybis(1-Chloropropa	2.275	2.522	1.872	2.048	1.948	1.841	AVRG		2.08430488	12.728	15.000
Phenol	1.270	1.233	1.047	1.052	0.989	1.012	AVRG		1.10058411	10.884	15.000
Bis(2-Chloroethyl)ether	1.025	1.033	0.846	0.846	0.778	0.696	AVRG		0.87076440	15.447	15.000 <-
2-Chlorophenol	1.140	1.093	0.924	0.956	0.876	0.851	AVRG		0.97344076	12.104	15.000
1,3-Dichlorobenzene	1.454	1.411	1.170	1.224	1.133	1.021	AVRG		1.23546355	13.520	15.000
1,4-Dichlorobenzene	1.420	1.424	1.196	1.222	1.148	1.007	AVRG		1.23601999	13.115	15.000
Benzyl alcohol	0.279	0.264	0.234	0.326	0.340	0.347	AVRG		0.29835465	15.338	15.000 <-
2-Methylphenol	0.760	0.844	0.722	0.733	0.708	0.769	AVRG		0.75579887	6.446	15.000
1,2-Dichlorobenzene	1.383	1.295	1.077	1.047	1.054	0.934	AVRG		1.13143207	15.061	15.000 <-
N-Nitroso-di-n-propylamin	0.772	0.840	0.645	0.703	0.638	0.617	AVRG		0.70233167	12.468	15.000
3&4-Methylphenol	0.822	0.825	0.711	0.727	0.691	0.711	AVRG		0.74795965	7.958	15.000
Hexachloroethane	0.499	0.494	0.428	0.413	0.396	0.337	AVRG		0.42774524	14.351	15.000
Nitrobenzene	0.331	0.314	0.258	0.302	0.283	0.269	AVRG		0.29283512	9.529	15.000
Isophorone	0.538	0.560	0.438	0.530	0.425	0.459	AVRG		0.49176709	11.710	15.000
2-Nitrophenol	0.186	0.184	0.166	0.180	0.175	0.170	AVRG		0.17689058	4.515	15.000
2,4-Dimethylphenol	0.274	0.286	0.249	0.261	0.241	0.250	AVRG		0.26034672	6.628	15.000
Bis(2-Chloroethoxy)methan	0.370	0.360	0.291	0.340	0.312	0.298	AVRG		0.32854003	10.067	15.000
Benzoic acid	0.086	0.116	0.097	0.141	0.109	0.116	AVRG		0.11079436	17.049	15.000 <-
2,4-Dichlorophenol	0.284	0.261	0.248	0.252	0.236	0.240	AVRG		0.25341623	6.846	15.000
1,2,4-Trichlorobenzene	0.374	0.308	0.299	0.306	0.295	0.264	AVRG		0.30781120	11.711	15.000
Naphthalene	0.898	0.812	0.731	0.779	0.718	0.682	AVRG		0.77012895	10.067	15.000
4-Chloroaniline	171130	315130	612580	1000300	1201500	1920000	LINR	-9.96e-002	4.12925067	0.99177	0.99000
Hexachlorobutadiene	0.260	0.202	0.198	0.208	0.188	0.166	AVRG		0.20371284	15.438	15.000 <-
4-Chloro-3-Methylphenol	0.219	0.221	0.200	0.225	0.189	0.205	AVRG		0.20998884	6.796	15.000
2-Methylnaphthalene	0.603	0.519	0.477	0.509	0.457	0.446	AVRG		0.50196379	11.360	15.000
1-Methylnaphthalene	0.543	0.497	0.449	0.487	0.429	0.417	AVRG		0.47041709	10.106	15.000
Hexachlorocyclopentadiene	0.214	0.204	0.252	0.250	0.278	0.195	AVRG		0.23235187	14.015	15.000
2,4,6-Trichlorophenol	0.409	0.360	0.349	0.373	0.354	0.320	AVRG		0.36094737	8.108	15.000
2,4,5-Trichlorophenol	0.424	0.389	0.387	0.417	0.423	0.385	AVRG		0.40422785	4.693	15.000
2-Chloronaphthalene	0.467	0.406	0.390	0.372	0.406	0.258	AVRG		0.38320250	18.094	15.000 <-
2-Nitroaniline	0.332	0.353	0.295	0.368	0.278	0.283	AVRG		0.31809628	11.978	15.000
Dimethyl Phthalate	1.134	1.145	0.947	1.053	0.966	0.988	AVRG		1.03870161	8.243	15.000
2,6-Dinitrotoluene	0.239	0.262	0.232	0.258	0.226	0.216	AVRG		0.23911476	7.638	15.000
Acenaphthylene	1.664	1.605	1.421	1.445	1.399	1.212	AVRG		1.45782298	11.051	15.000
3-Nitroaniline	0.210	0.216	0.189	0.230	0.200	0.238	AVRG		0.21388141	8.509	15.000
Acenaphthene	1.116	0.988	0.922	0.946	0.881	0.834	AVRG		0.94806776	10.335	15.000
2,4-Dinitrophenol	0.067	0.129	0.105	0.150	0.128	0.177	AVRG		0.12592384	29.895	15.000 <-
Dibenzofuran	1.430	1.350	1.276	1.279	1.187	1.173	AVRG		1.28233529	7.602	15.000
4-Nitrophenol	0.047	0.068	0.064	0.090	0.077	0.092	AVRG		7.304e-002	23.187	15.000 <-
2,4-Dinitrotoluene	0.293	0.318	0.276	0.326	0.289	0.326	AVRG		0.30469788	7.043	15.000

FORM 6

SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project MIDDLE RIVER SDG No.: WV5584

Instrument ID: GCMS-X Calibration Date(s): 10/22/05 10/22/05

Column: DB5-MS ID: 0.25 (mm) Calibration Time(s): 1038 1428

LAB FILE ID: RF10: X8905 RF25: X8904 RF50: X8900

RF100: X8903 RF125: X8902 RF150: X8901

COMPOUND	RF10	RF25	RF50	RF100	RF125	RF150	CURVE	COEFFICENTS A0	COEFFICENTS A1	%RSD OR R^2	MAX %RSD OR R^2
Diethylphthalate	0.976	1.070	0.842	1.034	0.852	0.974	AVRG		0.95830450	9.738	15.000
Fluorene	1.118	1.108	0.970	1.011	0.890	0.897	AVRG		0.99899627	9.942	15.000
4-Chlorophenyl-phenylethe	0.659	0.626	0.553	0.564	0.519	0.518	AVRG		0.57321423	10.035	15.000
4-Nitroaniline	0.185	0.196	0.160	0.195	0.169	0.209	AVRG		0.18583579	9.901	15.000
4,6-Dinitro-2-Methylpheno	0.096	0.114	0.120	0.142	0.128	0.131	AVRG		0.12192484	13.036	15.000
N-Nitrosodiphenylamine	0.577	0.568	0.552	0.523	0.516	0.417	AVRG		0.52542710	11.132	15.000
1,2-Diphenylhydrazine	0.590	0.630	0.605	0.594	0.577	0.482	AVRG		0.57957792	8.785	15.000
4-Bromophenyl-phenylether	0.272	0.240	0.247	0.227	0.229	0.196	AVRG		0.23511219	10.704	15.000
Hexachlorobenzene	0.340	0.285	0.301	0.265	0.281	0.226	AVRG		0.28282390	13.376	15.000
Pentachlorophenol	0.096	0.116	0.119	0.117	0.118	0.118	AVRG		0.11408854	8.032	15.000
Phenanthrene	0.956	0.904	0.838	0.863	0.821	0.733	AVRG		0.85262200	8.936	15.000
Anthracene	0.964	0.908	0.813	0.820	0.771	0.634	AVRG		0.81843537	14.000	15.000
Carbazole	0.752	0.635	0.562	0.650	0.599	0.549	AVRG		0.62436155	11.796	15.000
Di-n-butylphthalate	0.904	0.916	0.729	0.954	0.810	0.848	AVRG		0.86024522	9.565	15.000
Fluoranthene	0.841	0.709	0.617	0.754	0.677	0.671	AVRG		0.71149046	10.976	15.000
Benzidine	0.244	0.209	0.221	0.191	0.192	0.178	AVRG		0.20585153	11.609	15.000
Pyrene	1.586	1.600	1.333	1.506	1.554	1.529	AVRG		1.51821785	6.390	15.000
Butylbenzylphthalate	0.518	0.527	0.460	0.560	0.530	0.505	AVRG		0.51685527	6.433	15.000
Benzo(a)anthracene	0.987	0.988	0.920	0.984	0.969	0.941	AVRG		0.96513429	2.919	15.000
3,3'-Dichlorobenzidine	0.270	0.289	0.312	0.322	0.342	0.274	AVRG		0.30162103	9.498	15.000
Chrysene	1.018	0.940	0.892	0.945	0.918	0.871	AVRG		0.93063652	5.490	15.000
bis(2-Ethylhexyl)phthalat	0.687	0.750	0.590	0.772	0.705	0.685	AVRG		0.69807180	9.095	15.000
Di-n-octylphthalate	1.414	1.745	1.342	1.811	1.530	1.737	AVRG		1.59663197	12.214	15.000
Benzo(b)fluoranthene	1.435	1.304	1.226	1.390	1.232	1.252	AVRG		1.30669623	6.712	15.000
Benzo(k)fluoranthene	1.506	1.414	1.189	1.394	1.315	1.227	AVRG		1.34086456	8.970	15.000
Benzo(a)pyrene	1.195	1.127	1.030	1.146	1.137	1.039	AVRG		1.11247451	5.796	15.000
Indeno(1,2,3-cd)pyrene	0.911	0.804	0.886	0.873	0.958	0.755	AVRG		0.86448704	8.553	15.000
Dibenzo(a,h)anthracene	0.842	0.810	0.874	0.916	0.953	0.779	AVRG		0.86240634	7.582	15.000
Benzo(g,h,i)perylene	0.957	0.797	0.938	0.898	1.047	0.768	AVRG		0.90102772	11.598	15.000
2-Fluorophenol	0.876	0.968	0.733	0.795	0.759	0.737	AVRG		0.81138787	11.484	15.000
Phenol-D6	1.047	1.064	0.854	0.883	0.812	0.814	AVRG		0.91211090	12.509	15.000
Nitrobenzene-D5	0.313	0.322	0.269	0.297	0.282	0.278	AVRG		0.29340548	7.151	15.000
2-Fluorobiphenyl	1.412	1.235	1.153	1.231	1.177	0.967	AVRG		1.19574657	12.051	15.000
2,4,6-Tribromophenol	0.175	0.164	0.172	0.186	0.162	0.176	AVRG		0.17260113	5.033	15.000
Terphenyl-D14	1.110	1.115	0.916	1.093	1.068	1.084	AVRG		1.06448852	7.006	15.000

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project MIDDLE RIVER SDG No.: WV5584

Instrument ID: GCMS-X Calibration Date(s): 10/22/05 10/22/05

Column: DB5-MS ID: 0.25 (mm) Calibration Time(s): 1038 1428

Average %RSD test result.

Calculate Average %RSD: 12.87279606
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: MIDDLE RIVER SDG No.: WV5584

Lab File ID: XD567 DFTPP Injection Date: 10/27/05

Instrument ID: GCMS-X DFTPP Injection Time: 1553

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	52.8
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Less than 100.0% of mass 198	63.2
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	46.9
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	6.9
275	10.0 - 30.0% of mass 198	19.2
365	1.0 - 100.0% of mass 198	2.5
441	0.0 - 100.0% of mass 443	8.8 (82.7)2
442	40.0 - 100.0% of mass 198	50.1
443	17.0 - 23.0% of mass 442	10.7 (21.3)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		SSTD050X1027	X8964	10/27/05	1610
02	WG22052-BLANK	WG22052-1	X8967	10/27/05	1824
03	WG22052-LCS	WG22052-2	X8968	10/27/05	1908
04	SW-17-102005MS	WG22052-3	X8969	10/27/05	1953
05	SW-17-102005MSD	WG22052-4	X8970	10/27/05	2037
06	SW-08-102005	WV5584-2	X8971	10/27/05	2121
07	SW-10-102005	WV5584-6	X8973	10/27/05	2250
08	SW-11-102005	WV5584-8	X8974	10/27/05	2335
09	SW-12-102005	WV5584-10	X8975	10/28/05	0019
10	SW-13-102005	WV5584-12	X8976	10/28/05	0103
11	SW-14-102005	WV5584-14	X8977	10/28/05	0148
12	SW-15-102005	WV5584-16	X8978	10/28/05	0232
13	SW-16-102005	WV5584-18	X8979	10/28/05	0317
14					
15					
16					
17					
18					
19					
20					

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: WV5584

Instrument ID: GCMS-X Calibration Date: 10/27/05 Time: 1610

Lab File ID: X8964 Init. Calib. Date(s): 10/22/05 10/22/05

Init. Calib. Times: 1038 1428

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	0.3810000	0.3598900	0.3598900	0.01	-5.54	100.00	AVRG
N-Nitrosodimethylamine	0.7100000	0.6101400	0.6101400	0.01	-14.06	100.00	AVRG
Pyridine	1.0810000	0.9574300	0.9574300	0.01	-11.43	100.00	AVRG
Aniline	1.1860000	1.2600000	1.2600000	0.01	6.24	100.00	AVRG
2,2'-Oxybis(1-Chloropropane)	2.0840000	1.9716000	1.9716000	0.01	-5.39	100.00	AVRG
Phenol	1.1000000	0.9176400	0.9176400	0.01	-16.58	20.00	AVRG
Bis(2-Chloroethyl)ether	0.8710000	0.9197600	0.9197600	0.01	5.60	100.00	AVRG
2-Chlorophenol	0.9730000	0.9439800	0.9439800	0.01	-2.98	100.00	AVRG
1,3-Dichlorobenzene	1.2360000	1.2686000	1.2686000	0.01	2.64	100.00	AVRG
1,4-Dichlorobenzene	1.2360000	1.2972000	1.2972000	0.01	4.95	20.00	AVRG
Benzyl alcohol	0.2980000	8.05e-002	8.05e-002	0.01	-72.99	100.00	AVRG
2-Methylphenol	0.7560000	0.7682100	0.7682100	0.01	1.62	100.00	AVRG
1,2-Dichlorobenzene	1.1320000	1.1488000	1.1488000	0.01	1.48	100.00	AVRG
N-Nitroso-di-n-propylamine	0.7020000	0.6771200	0.6771200	0.05	-3.54	100.00	AVRG
3&4-Methylphenol	0.7480000	0.7924700	0.7924700	0.01	5.94	100.00	AVRG
Hexachloroethane	0.4280000	0.4901500	0.4901500	0.01	14.52	100.00	AVRG
Nitrobenzene	0.2930000	0.2956000	0.2956000	0.01	0.89	100.00	AVRG
Isophorone	0.4920000	0.4864300	0.4864300	0.01	-1.13	100.00	AVRG
2-Nitrophenol	0.1770000	0.1828700	0.1828700	0.01	3.32	20.00	AVRG
2,4-Dimethylphenol	0.2600000	0.2734000	0.2734000	0.01	5.15	100.00	AVRG
Bis(2-Chloroethoxy)methane	0.3280000	0.3392300	0.3392300	0.01	3.42	100.00	AVRG
Benzoic acid	0.1110000	0.1383600	0.1383600	0.01	24.65	100.00	AVRG
2,4-Dichlorophenol	0.2540000	0.2416000	0.2416000	0.01	-4.88	20.00	AVRG
1,2,4-Trichlorobenzene	0.3080000	0.2968900	0.2968900	0.01	-3.61	100.00	AVRG
Naphthalene	0.7700000	0.8120200	0.8120200	0.01	5.46	100.00	AVRG
4-Chloroaniline	57.316000	50.000000	0.2969100	0.01	14.63	100.00	LINR
Hexachlorobutadiene	0.2040000	0.1676800	0.1676800	0.01	-17.80	20.00	AVRG
4-Chloro-3-Methylphenol	0.2100000	0.2193300	0.2193300	0.01	4.44	20.00	AVRG
2-Methylnaphthalene	0.5020000	0.5071100	0.5071100	0.01	1.02	100.00	AVRG

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: WV5584

Instrument ID: GCMS-X Calibration Date: 10/27/05 Time: 1610

Lab File ID: X8964 Init. Calib. Date(s): 10/22/05 10/22/05

Init. Calib. Times: 1038 1428

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	0.4700000	0.4732900	0.4732900	0.01	0.70	100.00	AVRG
Hexachlorocyclopentadiene	0.2320000	0.1651900	0.1651900	0.05	-28.80	100.00	AVRG
2,4,6-Trichlorophenol	0.3610000	0.2941000	0.2941000	0.01	-18.53	20.00	AVRG
2,4,5-Trichlorophenol	0.4040000	0.3482800	0.3482800	0.01	-13.79	100.00	AVRG
2-Chloronaphthalene	0.3830000	0.3921400	0.3921400	0.01	2.39	100.00	AVRG
2-Nitroaniline	0.3180000	0.3384600	0.3384600	0.01	6.43	100.00	AVRG
Dimethyl Phthalate	1.0390000	1.0655000	1.0655000	0.01	2.55	100.00	AVRG
2,6-Dinitrotoluene	0.2390000	0.2536400	0.2536400	0.01	6.12	100.00	AVRG
Acenaphthylene	1.4580000	1.5091000	1.5091000	0.01	3.50	100.00	AVRG
3-Nitroaniline	0.2140000	0.2484000	0.2484000	0.01	16.08	100.00	AVRG
Acenaphthene	0.9480000	0.9622800	0.9622800	0.01	1.51	20.00	AVRG
2,4-Dinitrophenol	0.1260000	0.1238700	0.1238700	0.05	-1.69	100.00	AVRG
Dibenzofuran	1.2820000	1.3049000	1.3049000	0.01	1.79	100.00	AVRG
4-Nitrophenol	7.3e-002	8.13e-002	8.13e-002	0.05	11.37	100.00	AVRG
2,4-Dinitrotoluene	0.3050000	0.3442400	0.3442400	0.01	12.87	100.00	AVRG
Diethylphthalate	0.9580000	1.0442000	1.0442000	0.01	9.00	100.00	AVRG
Fluorene	0.9990000	1.0442000	1.0442000	0.01	4.52	100.00	AVRG
4-Chlorophenyl-phenylether	0.5730000	0.5399800	0.5399800	0.01	-5.76	100.00	AVRG
4-Nitroaniline	0.1860000	0.2580300	0.2580300	0.01	38.73	100.00	AVRG
4,6-Dinitro-2-Methylphenol	0.1220000	0.1338000	0.1338000	0.01	9.67	100.00	AVRG
N-Nitrosodiphenylamine	0.5260000	0.5766600	0.5766600	0.01	9.63	20.00	AVRG
Azobenzene	0.5800000	0.6846800	0.6846800	0.01	18.05	100.00	AVRG
4-Bromophenyl-phenylether	0.2350000	0.2121800	0.2121800	0.01	-9.71	100.00	AVRG
Hexachlorobenzene	0.2830000	0.2518400	0.2518400	0.01	-11.01	100.00	AVRG
Pentachlorophenol	0.1140000	0.1065100	0.1065100	0.01	-6.57	20.00	AVRG
Phenanthrene	0.8520000	0.8943600	0.8943600	0.01	4.97	100.00	AVRG
Anthracene	0.8180000	0.8915900	0.8915900	0.01	9.00	100.00	AVRG
Carbazole	0.6240000	0.7330500	0.7330500	0.01	17.48	100.00	AVRG
Di-n-butylphthalate	0.8600000	1.0177000	1.0177000	0.01	18.34	100.00	AVRG

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: WV5584

Instrument ID: GCMS-X Calibration Date: 10/27/05 Time: 1610

Lab File ID: X8964 Init. Calib. Date(s): 10/22/05 10/22/05

Init. Calib. Times: 1038 1428

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	
Fluoranthene	0.7120000	0.7688700	0.7688700	0.01	7.99	20.00	AVRG	
Benzidine	0.2060000	0.2771100	0.2771100	0.01	34.52	100.00	AVRG	
Pyrene	1.5180000	1.6026000	1.6026000	0.01	5.57	100.00	AVRG	
Butylbenzylphthalate	0.5170000	0.6474000	0.6474000	0.01	25.22	100.00	AVRG	
Benzo(a)anthracene	0.9650000	0.9689900	0.9689900	0.01	0.41	100.00	AVRG	
3,3'-Dichlorobenzidine	0.3020000	0.3060100	0.3060100	0.01	1.33	100.00	AVRG	
Chrysene	0.9310000	0.9606000	0.9606000	0.01	3.18	100.00	AVRG	
bis(2-Ethylhexyl)phthalate	0.6980000	0.8206600	0.8206600	0.01	17.57	100.00	AVRG	
Di-n-octylphthalate	1.5960000	2.2438000	2.2438000	0.01	40.59	20.00	AVRG	<-
Benzo(b)fluoranthene	1.3060000	1.3674000	1.3674000	0.01	4.70	100.00	AVRG	
Benzo(k)fluoranthene	1.3410000	1.3384000	1.3384000	0.01	-0.19	100.00	AVRG	
Benzo(a)pyrene	1.1120000	1.0687000	1.0687000	0.01	-3.89	20.00	AVRG	
Indeno(1,2,3-cd)pyrene	0.8640000	0.6293600	0.6293600	0.01	-27.16	100.00	AVRG	
Dibenzo(a,h)anthracene	0.8620000	0.6224200	0.6224200	0.01	-27.79	100.00	AVRG	
Benzo(g,h,i)perylene	0.9010000	0.6533000	0.6533000	0.01	-27.49	100.00	AVRG	
2-Fluorophenol	0.8110000	0.6409100	0.6409100	0.01	-20.97	100.00	AVRG	
Phenol-D6	0.9120000	0.8492700	0.8492700	0.01	-6.88	100.00	AVRG	
Nitrobenzene-D5	0.2940000	0.2942100	0.2942100	0.01	0.07	100.00	AVRG	
2-Fluorobiphenyl	1.1960000	1.1435000	1.1435000	0.01	-4.39	100.00	AVRG	
2,4,6-Tribromophenol	0.1720000	0.1477400	0.1477400	0.01	-14.10	100.00	AVRG	
Terphenyl-D14	1.0640000	0.9899900	0.9899900	0.01	-6.96	100.00	AVRG	

FORM 5

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: WV5584

Lab File ID: XD568 DFTPP Injection Date: 10/28/05

Instrument ID: GCMS-X DFTPP Injection Time: 1307

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	54.6
68	Less than 2.0% of mass 69	0.0 (0.0)1
69	Less than 100.0% of mass 198	62.6
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	47.4
197	Less than 1.0% of mass 198	0.8
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	20.1
365	1.0 - 100.0% of mass 198	2.2
441	0.0 - 100.0% of mass 443	7.9 (90.2)2
442	40.0 - 100.0% of mass 198	46.8
443	17.0 - 23.0% of mass 442	8.7 (18.6)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		SSTD050X1028	X8989	10/28/05	1326
02	SW-09-102005	WV5584-4RA	X8990	10/28/05	1414
03	SW-17-102005	WV5584-20RA	X8991	10/28/05	1458
04					
05					
06					
07					
08					
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12					
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15					
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19					
20					

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: WV5584

Instrument ID: GCMS-X Calibration Date: 10/28/05 Time: 1326

Lab File ID: X8989 Init. Calib. Date(s): 10/22/05 10/22/05

Init. Calib. Times: 1038 1428

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	0.3810000	0.3553000	0.3553000	0.01	-6.74	100.00	AVRG
N-Nitrosodimethylamine	0.7100000	0.6641000	0.6641000	0.01	-6.46	100.00	AVRG
Pyridine	1.0810000	1.0206000	1.0206000	0.01	-5.59	100.00	AVRG
Aniline	1.1860000	1.3231000	1.3231000	0.01	11.56	100.00	AVRG
2,2'-Oxybis(1-Chloropropane)	2.0840000	2.2032000	2.2032000	0.01	5.72	100.00	AVRG
Phenol	1.1000000	1.2684000	1.2684000	0.01	15.31	20.00	AVRG
Bis(2-Chloroethyl)ether	0.8710000	1.0074000	1.0074000	0.01	15.66	100.00	AVRG
2-Chlorophenol	0.9730000	1.0250000	1.0250000	0.01	5.34	100.00	AVRG
1,3-Dichlorobenzene	1.2360000	1.2728000	1.2728000	0.01	2.98	100.00	AVRG
1,4-Dichlorobenzene	1.2360000	1.2725000	1.2725000	0.01	2.95	20.00	AVRG
Benzyl alcohol	0.2980000	0.4942800	0.4942800	0.01	65.87	100.00	AVRG
2-Methylphenol	0.7560000	0.8404000	0.8404000	0.01	11.16	100.00	AVRG
1,2-Dichlorobenzene	1.1320000	1.1522000	1.1522000	0.01	1.78	100.00	AVRG
N-Nitroso-di-n-propylamine	0.7020000	0.7792700	0.7792700	0.05	11.01	100.00	AVRG
3&4-Methylphenol	0.7480000	0.8677100	0.8677100	0.01	16.00	100.00	AVRG
Hexachloroethane	0.4280000	0.5065500	0.5065500	0.01	18.35	100.00	AVRG
Nitrobenzene	0.2930000	0.2814300	0.2814300	0.01	-3.95	100.00	AVRG
Isophorone	0.4920000	0.5296400	0.5296400	0.01	7.65	100.00	AVRG
2-Nitrophenol	0.1770000	0.1728400	0.1728400	0.01	-2.35	20.00	AVRG
2,4-Dimethylphenol	0.2600000	0.2732600	0.2732600	0.01	5.10	100.00	AVRG
Bis(2-Chloroethoxy)methane	0.3280000	0.3335800	0.3335800	0.01	1.70	100.00	AVRG
Benzoic acid	0.1110000	8.25e-002	8.25e-002	0.01	-25.68	100.00	AVRG
2,4-Dichlorophenol	0.2540000	0.2466200	0.2466200	0.01	-2.90	20.00	AVRG
1,2,4-Trichlorobenzene	0.3080000	0.3000600	0.3000600	0.01	-2.58	100.00	AVRG
Naphthalene	0.7700000	0.7754800	0.7754800	0.01	0.71	100.00	AVRG
4-Chloroaniline	58.528000	50.000000	0.3027800	0.01	17.06	100.00	LINR
Hexachlorobutadiene	0.2040000	0.1745000	0.1745000	0.01	-14.46	20.00	AVRG
4-Chloro-3-Methylphenol	0.2100000	0.2171400	0.2171400	0.01	3.40	20.00	AVRG
2-Methylnaphthalene	0.5020000	0.4975600	0.4975600	0.01	-0.88	100.00	AVRG

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: WV5584

Instrument ID: GCMS-X Calibration Date: 10/28/05 Time: 1326

Lab File ID: X8989 Init. Calib. Date(s): 10/22/05 10/22/05

Init. Calib. Times: 1038 1428

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	0.4700000	0.4913600	0.4913600	0.01	4.54	100.00	AVRG
Hexachlorocyclopentadiene	0.2320000	0.1801700	0.1801700	0.05	-22.34	100.00	AVRG
2,4,6-Trichlorophenol	0.3610000	0.3603900	0.3603900	0.01	-0.17	20.00	AVRG
2,4,5-Trichlorophenol	0.4040000	0.3706000	0.3706000	0.01	-8.27	100.00	AVRG
2-Chloronaphthalene	0.3830000	0.4110000	0.4110000	0.01	7.31	100.00	AVRG
2-Nitroaniline	0.3180000	0.3329100	0.3329100	0.01	4.69	100.00	AVRG
Dimethyl Phthalate	1.0390000	1.0421000	1.0421000	0.01	0.30	100.00	AVRG
2,6-Dinitrotoluene	0.2390000	0.2511400	0.2511400	0.01	5.08	100.00	AVRG
Acenaphthylene	1.4580000	1.4696000	1.4696000	0.01	0.80	100.00	AVRG
3-Nitroaniline	0.2140000	0.2228400	0.2228400	0.01	4.13	100.00	AVRG
Acenaphthene	0.9480000	0.9608700	0.9608700	0.01	1.36	20.00	AVRG
2,4-Dinitrophenol	0.1260000	0.1193300	0.1193300	0.05	-5.29	100.00	AVRG
Dibenzofuran	1.2820000	1.3145000	1.3145000	0.01	2.54	100.00	AVRG
4-Nitrophenol	7.3e-002	8.81e-002	8.81e-002	0.05	20.68	100.00	AVRG
2,4-Dinitrotoluene	0.3050000	0.3109400	0.3109400	0.01	1.95	100.00	AVRG
Diethylphthalate	0.9580000	0.9981400	0.9981400	0.01	4.19	100.00	AVRG
Fluorene	0.9990000	1.0397000	1.0397000	0.01	4.07	100.00	AVRG
4-Chlorophenyl-phenylether	0.5730000	0.5768200	0.5768200	0.01	0.67	100.00	AVRG
4-Nitroaniline	0.1860000	0.1890200	0.1890200	0.01	1.62	100.00	AVRG
4,6-Dinitro-2-Methylphenol	0.1220000	0.1109800	0.1109800	0.01	-9.03	100.00	AVRG
N-Nitrosodiphenylamine	0.5260000	0.5240100	0.5240100	0.01	-0.38	20.00	AVRG
Azobenzene	0.5800000	0.6298600	0.6298600	0.01	8.60	100.00	AVRG
4-Bromophenyl-phenylether	0.2350000	0.2283100	0.2283100	0.01	-2.85	100.00	AVRG
Hexachlorobenzene	0.2830000	0.2721400	0.2721400	0.01	-3.84	100.00	AVRG
Pentachlorophenol	0.1140000	0.1113000	0.1113000	0.01	-2.37	20.00	AVRG
Phenanthrene	0.8520000	0.8535300	0.8535300	0.01	0.18	100.00	AVRG
Anthracene	0.8180000	0.8325100	0.8325100	0.01	1.77	100.00	AVRG
Carbazole	0.6240000	0.5999200	0.5999200	0.01	-3.86	100.00	AVRG
Di-n-butylphthalate	0.8600000	0.7986500	0.7986500	0.01	-7.13	100.00	AVRG

FORM 7B
SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: WV5584

Instrument ID: GCMS-X Calibration Date: 10/28/05 Time: 1326

Lab File ID: X8989 Init. Calib. Date(s): 10/22/05 10/22/05

Init. Calib. Times: 1038 1428

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
Fluoranthene	0.7120000	0.6931600	0.6931600	0.01	-2.65	20.00	AVRG
Benzidine	0.2060000	0.2768000	0.2768000	0.01	34.37	100.00	AVRG
Pyrene	1.5180000	1.7079000	1.7079000	0.01	12.51	100.00	AVRG
Butylbenzylphthalate	0.5170000	0.5272400	0.5272400	0.01	1.98	100.00	AVRG
Benzo(a)anthracene	0.9650000	0.9954200	0.9954200	0.01	3.15	100.00	AVRG
3,3'-Dichlorobenzidine	0.3020000	0.2598600	0.2598600	0.01	-13.95	100.00	AVRG
Chrysene	0.9310000	0.9508100	0.9508100	0.01	2.13	100.00	AVRG
bis(2-Ethylhexyl)phthalate	0.6980000	0.6728200	0.6728200	0.01	-3.61	100.00	AVRG
Di-n-octylphthalate	1.5960000	1.5160000	1.5160000	0.01	-5.01	20.00	AVRG
Benzo(b)fluoranthene	1.3060000	1.2630000	1.2630000	0.01	-3.29	100.00	AVRG
Benzo(k)fluoranthene	1.3410000	1.3732000	1.3732000	0.01	2.40	100.00	AVRG
Benzo(a)pyrene	1.1120000	1.0659000	1.0659000	0.01	-4.14	20.00	AVRG
Indeno(1,2,3-cd)pyrene	0.8640000	0.6633000	0.6633000	0.01	-23.23	100.00	AVRG
Dibenzo(a,h)anthracene	0.8620000	0.7130600	0.7130600	0.01	-17.28	100.00	AVRG
Benzo(g,h,i)perylene	0.9010000	0.7653800	0.7653800	0.01	-15.05	100.00	AVRG
2-Fluorophenol	0.8110000	0.8680200	0.8680200	0.01	7.03	100.00	AVRG
Phenol-D6	0.9120000	1.0266000	1.0266000	0.01	12.57	100.00	AVRG
Nitrobenzene-D5	0.2940000	0.3003300	0.3003300	0.01	2.15	100.00	AVRG
2-Fluorobiphenyl	1.1960000	1.1660000	1.1660000	0.01	-2.51	100.00	AVRG
2,4,6-Tribromophenol	0.1720000	0.1799000	0.1799000	0.01	4.59	100.00	AVRG
Terphenyl-D14	1.0640000	1.1267000	1.1267000	0.01	5.89	100.00	AVRG

FORM 4

PESTICIDE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG22030-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: MIDDLE RIVER SDG No.: WV5584

Lab Sample ID: WG22030-1 Lab File ID: 6VJ7038

Matrix (soil/water) WATER Extraction:(SepF/Cont/Sonc) SW846 3510

Sulfur Cleanup: (Y/N) Y Date Extracted: 10/26/05

Date Analyzed (1): 10/28/05 Date Analyzed (2): 10/28/05

Time Analyzed (1): 0552 Time Analyzed (2): 0552

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	WG22030-LCS	WG22030-2	6VJ7039	10/28/05	10/28/05
02	SW-08-102005	WV5584-2	6VJ7040	10/28/05	10/28/05
03	SW-09-102005	WV5584-4	6VJ7041	10/28/05	10/28/05
04	SW-10-102005	WV5584-6	6VJ7042	10/28/05	10/28/05
05	SW-11-102005	WV5584-8	6VJ7043	10/28/05	10/28/05
06	SW-12-102005	WV5584-10	6VJ7044	10/28/05	10/28/05
07	SW-13-102005	WV5584-12	6VJ7045	10/28/05	10/28/05
08	SW-14-102005	WV5584-14	6VJ7046	10/28/05	10/28/05
09	SW-15-102005	WV5584-16	6VJ7047	10/28/05	10/28/05
10	SW-16-102005	WV5584-18	6VJ7048	10/28/05	10/28/05
11	SW-17-102005	WV5584-20	6VJ7049	10/28/05	10/28/05
12	SW-17-102005MS	WG22030-3	6VJ7050	10/28/05	10/28/05
13	SW-17-102005MSD	WG22030-4	6VJ7051	10/28/05	10/28/05
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

COMMENTS: _____

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client:
Project: MIDDLE RIVER
PO No:
Sample Date:
Received Date:
Extraction Date: 10/26/05
Analysis Date: 28-OCT-2005 05:52
Report Date: 10/28/2005
Matrix: WATER
% Solids: NA

Lab ID: WG22030-1
Client ID: WG22030-Blank
SDG: WV5584
Extracted by: TR
Extraction Method: SW846 3510
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG22030
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
12674-11-2	Aroclor-1016	U	0.50	1.0	0.50	0.50	0.13
11104-28-2	Aroclor-1221	U	0.50	1.0	0.50	0.50	0.26
11141-16-5	Aroclor-1232	U	0.50	1.0	0.50	0.50	0.29
53469-21-9	Aroclor-1242	U	0.50	1.0	0.50	0.50	0.22
12672-29-6	Aroclor-1248	U	0.50	1.0	0.50	0.50	0.100
11097-69-1	Aroclor-1254	U	0.50	1.0	0.50	0.50	0.25
11096-82-5	Aroclor-1260	U	0.50	1.0	0.50	0.50	0.060
877-09-8	Tetrachloro-m-xylene		77%				
2051-24-3	Decachlorobiphenyl		* 38%				

6VJ7038.d

KATAHDIN ANALYTICAL SERVICES
LAB CONTROL SAMPLE

Client:
Project: MIDDLE RIVER
PO No:
Sample Date:
Received Date:
Extraction Date: 10/26/05
Analysis Date: 10/28/05
Report Date: 10/28/2005
Matrix: WATER

Lab ID: WG22030-2
Client ID: WG22030-LCS
SDG: WV5584
Extracted by: TR
Extraction Method: SW846 3510
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG22030
Units: ug/L

COMPOUND	LCS SPIKE	SAMPLE CONC.	LCS CONC.	%REC.	QC. LIMITS
Aroclor-1016	5.0	NA	5.2	103	51-146
Aroclor-1260	5.0	NA	5.3	106	63-132

FORM 2
WATER SEMIVOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: MIDDLE RIVER SDG No.: WV5584

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	WG22030-BLANK	WG22030-1	77	69	38*	38*			2
02	WG22030-LCS	WG22030-2	94	86	37*	37*			2
03	SW-08-102005	WV5584-2	82	65	39*	42*			2
04	SW-09-102005	WV5584-4	94	86	62	63			0
05	SW-10-102005	WV5584-6	93	84	59	60			0
06	SW-11-102005	WV5584-8	95	87	67	67			0
07	SW-12-102005	WV5584-10	74	67	35*	36*			2
08	SW-13-102005	WV5584-12	92	83	48*	49*			2
09	SW-14-102005	WV5584-14	90	80	57	58			0
10	SW-15-102005	WV5584-16	88	81	66	67			0
11	SW-16-102005	WV5584-18	88	80	61	63			0
12	SW-17-102005	WV5584-20	92	85	55	56			0
13	SW-17-102005MS	WG22030-3	96	88	67	67			0
14	SW-17-102005MSD	WG22030-4	92	84	52*	54			1
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									

ADVISORY
QC LIMITS

S1 (TCX) = Tetrachloro-m-xylene (46-100)
S2 (DCB) = Decachlorobiphenyl (54-114)

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

KATAHDIN ANALYTICAL SERVICES
MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Client: Tetra Tech NUS, Inc
Project: MIDDLE RIVER
PO No:
Sample Date: 10/20/05
Received Date: 10/21/05
Extraction Date: 10/26/05
Analysis Date: 10/28/05
Report Date: 10/28/2005
Matrix: WATER

Lab ID: WG22030-3 & WG22030-4
Client ID: SW-17-102005MS & SW-17-102005MSD
SDG: WV5584
Extracted by: TR
Extraction Method: SW846 3510
Analyst: SAW
Analysis Method: SW846 8082
Lab Prep Batch: WG22030
Units: ug/L

COMPOUND	MS SPIKE	MSD SPIKE	SAMPLE CONC.	MS CONC.	MSD CONC.	MS %REC.	MSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
Aroclor-1016	4.8	4.8	0.00	5.2	4.6	108	94	14	30	51-146
Aroclor-1260	4.8	4.8	0.00	4.4	3.7	90	76	16	30	63-132

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project MIDDLE RIVER SDG No.: WV5584

Instrument ID: GC06 Calibration Date(s): 10/10/05 10/11/05

Column: RTX-5 ID: 0.53 (mm) Calibration Time(s): 2034 1140

LAB FILE ID: RF0.05: 6VJ1106 RF0.1: 6VJ1107 RF0.25: 6VJ1108
RF1: 6VJ1105 RF2.5: 6VJ1109 RF10: 6VJ1110

								COEFFICENTS			%RSD	MAX %RSD	
COMPOUND	RF0.05	RF0.1	RF0.25	RF1	RF2.5	RF10	CURVE	A0	A1	A2	OR R^2	OR R^2	
Aroclor-1016	1069	2081	5396	18023	40757	130140	2ORDR	-1.86e-002	5.435e-005	1.74e-010	0.99998	0.99000	
(2)	2672	5159	13376	44287	99125	318930	2ORDR	-2.26e-002	2.245e-005	2.815e-011	0.99996	0.99000	
(3)	1334	2588	6670	22202	50103	161280	2ORDR	-2.07e-002	4.45e-005	1.094e-010	0.99997	0.99000	
(4)	770	1522	4046	14347	34107	114810	2ORDR	-7.19e-003	6.766e-005	1.699e-010	0.99999	0.99000	
(5)	811	1578	4066	13037	28989	92624	2ORDR	-2.68e-002	7.642e-005	3.438e-010	0.99995	0.99000	
Aroclor-1221				3422			2ORDR	0.00000000	2.922e-004	0.00000000	1.00000	0.99000	<
(2)				8299			2ORDR	0.00000000	1.205e-004	0.00000000	1.00000	0.99000	<
(3)				6013			2ORDR	0.00000000	1.663e-004	0.00000000	1.00000	0.99000	<
(4)				19101			2ORDR	0.00000000	5.235e-005	0.00000000	1.00000	0.99000	<
Aroclor-1232	1226	3201	5248	15205	34204	106860	2ORDR	-5.61e-002	6.505e-005	2.721e-010	0.99989	0.99000	
(2)	586	1613	2747	8212	19202	62614	2ORDR	-4.5e-002	1.199e-004	6.47e-010	0.99991	0.99000	
(3)	1403	3785	6525	19637	45941	149720	2ORDR	-4.35e-002	5.008e-005	1.136e-010	0.99992	0.99000	
(4)	706	1941	3393	9964	23245	76392	2ORDR	-4.73e-002	9.959e-005	4.181e-010	0.99990	0.99000	
(5)	411	1146	2088	6285	15493	53699	2ORDR	-3.44e-002	1.548e-004	5.961e-010	0.99992	0.99000	
Aroclor-1242	1085	2102	4767	16588	36682	111790	2ORDR	-1.88e-002	5.787e-005	2.841e-010	0.99998	0.99000	
(2)	844	1693	3875	14216	32378	102590	2ORDR	-1.16e-002	6.796e-005	2.888e-010	0.99999	0.99000	
(3)	2058	4073	9385	34896	78491	250160	2ORDR	-1.3e-002	2.808e-005	4.777e-011	0.99999	0.99000	
(4)	1037	2079	4751	17648	39702	126820	2ORDR	-1.35e-002	5.563e-005	1.84e-010	0.99998	0.99000	
(5)	626	1235	2847	11387	26412	90883	2ORDR	-7.64e-003	8.802e-005	2.432e-010	0.99999	0.99000	
Aroclor-1248	1266	2604	5892	22384	47522	152470	2ORDR	-2.19e-002	4.602e-005	1.294e-010	0.99990	0.99000	
(2)	1229	2495	5745	22467	48536	159390	2ORDR	-1.78e-002	4.593e-005	1.062e-010	0.99992	0.99000	
(3)	1526	3007	6964	26766	57702	188730	2ORDR	-1.98e-002	3.855e-005	7.708e-011	0.99992	0.99000	
(4)	1662	3293	7568	29175	62897	205820	2ORDR	-1.98e-002	3.538e-005	6.466e-011	0.99992	0.99000	
(5)	1220	2442	5660	23196	52152	176630	2ORDR	-8.98e-003	4.386e-005	7.257e-011	0.99996	0.99000	
Aroclor-1254	2244	4153	9519	33359	73922	233910	2ORDR	-2.28e-002	2.97e-005	5.623e-011	0.99997	0.99000	
(2)	1278	2390	5674	21516	50901	165740	2ORDR	-3.64e-003	4.431e-005	9.684e-011	1.00000	0.99000	
(3)	2365	4433	10568	38454	87851	281160	2ORDR	-1.23e-002	2.526e-005	3.682e-011	0.99999	0.99000	
(4)	2136	4059	9411	34099	78106	251650	2ORDR	-1.4e-002	2.86e-005	4.449e-011	0.99999	0.99000	
(5)	1377	2647	6266	24188	56795	190240	2ORDR	-5.76e-003	4.039e-005	6.415e-011	1.00000	0.99000	
Aroclor-1260	1264	2374	6206	20526	46887	150500	2ORDR	-1.86e-002	4.756e-005	1.263e-010	0.99998	0.99000	
(2)	1165	2322	6152	21102	48855	161370	2ORDR	-1.38e-002	4.655e-005	9.61e-011	0.99998	0.99000	
(3)	2668	5160	13478	45775	105460	354220	2ORDR	-1.85e-002	2.182e-005	1.826e-011	0.99998	0.99000	
(4)	1310	2610	7082	24569	57916	193050	2ORDR	-9.12e-003	3.957e-005	6.362e-011	0.99999	0.99000	
(5)	583	1182	3319	11654	27698	93629	2ORDR	-6.11e-003	8.342e-005	2.504e-010	0.99999	0.99000	
Tetrachloro-m-xylene	430	1289	3721	13911	31340	122140	2ORDR	-2.91e-004	1.556e-006	6.869e-013	0.99988	0.99000	
Decachlorobipheny1	515	1082	3026	10333	23947	79174	2ORDR	-2.23e-004	1.897e-006	7.979e-012	0.99998	0.99000	

Report Date: 11-Oct-2005 17:34

Calibration History

Method : \\Target_server\GG\chem\gc06.i\GC06VJ10A1.b\PCBA035A.M
Start Cal Date: 10-OCT-2005 20:34
End Cal Date : 11-OCT-2005 11:40
Last Cal Level: 4
Last Cal Type : Continuing Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.05000		
11-OCT-2005 09:47	AR1232	6VJ1106.d
11-OCT-2005 06:29	AR1254	6VJ1099.d
11-OCT-2005 03:39	AR1248	6VJ1093.d
11-OCT-2005 00:50	AR1242	6VJ1087.d
10-OCT-2005 21:03	ar1660	6VJ1079.d
Cal Level: 2 , Cal Amount: 0.10000		
11-OCT-2005 10:16	AR1232	6VJ1107.d
11-OCT-2005 06:58	AR1254	6VJ1100.d
11-OCT-2005 04:08	AR1248	6VJ1094.d
11-OCT-2005 01:18	AR1242	6VJ1088.d
10-OCT-2005 21:31	ar1660	6VJ1080.d
Cal Level: 3 , Cal Amount: 0.25000		
11-OCT-2005 10:44	AR1232	6VJ1108.d
11-OCT-2005 07:26	AR1254	6VJ1101.d
11-OCT-2005 04:36	AR1248	6VJ1095.d
11-OCT-2005 01:46	AR1242	6VJ1089.d
10-OCT-2005 21:59	ar1660	6VJ1081.d
Cal Level: 4 , Cal Amount: 1.00000		
11-OCT-2005 09:19	AR1232	6VJ1105.d
11-OCT-2005 08:51	AR1221	6VJ1104.d
11-OCT-2005 06:01	AR1254	6VJ1098.d
11-OCT-2005 03:11	AR1248	6VJ1092.d
11-OCT-2005 00:21	AR1242	6VJ1086.d
10-OCT-2005 20:34	ar1660	6VJ1078.d
Cal Level: 5 , Cal Amount: 2.50000		
11-OCT-2005 11:12	AR1232	6VJ1109.d
11-OCT-2005 07:54	AR1254	6VJ1102.d
11-OCT-2005 05:05	AR1248	6VJ1096.d
11-OCT-2005 02:15	AR1242	6VJ1090.d
10-OCT-2005 22:28	ar1660	6VJ1082.d

Cal Level: 6 , Cal Amount: 10.00000		
11-OCT-2005 11:40	AR1232	6VJ1110.d
11-OCT-2005 08:23	AR1254	6VJ1103.d
11-OCT-2005 05:33	AR1248	6VJ1097.d
11-OCT-2005 02:43	AR1242	6VJ1091.d
10-OCT-2005 22:56	ar1660	6VJ1083.d

Continuing Calibration
Ccal Level Mode: BY SAMPLE

11-OCT-2005 09:19	AR1232	6VJ1105.d
10-OCT-2005 23:53	AR1260	6VJ1085.d
10-OCT-2005 23:25	AR1016	6VJ1084.d
11-OCT-2005 08:51	AR1221	6VJ1104.d
11-OCT-2005 06:01	AR1254	6VJ1098.d
11-OCT-2005 03:11	AR1248	6VJ1092.d
11-OCT-2005 00:21	AR1242	6VJ1086.d
10-OCT-2005 20:34	ar1660	6VJ1078.d

FORM 6
SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project MIDDLE RIVER SDG No.: WV5584

Instrument ID: GC06 Calibration Date(s): 10/10/05 10/11/05

Column: RTX-35 ID: 0.53 (mm) Calibration Time(s): 2034 1140

LAB FILE ID: RF0.05: 6VJ2106 RF0.1: 6VJ2107 RF0.25: 6VJ2108
RF1: 6VJ2105 RF2.5: 6VJ2109 RF10: 6VJ2110

							COEFFICENTS			%RSD	MAX %RSD	
COMPOUND	RF0.05	RF0.1	RF0.25	RF1	RF2.5	RF10	CURVE	A0	A1	A2	OR R^2	OR R^2	
Aroclor-1016	5000	9466	23604	69798	149910	436980	2ORDR	-3.18e-002	1.351e-005	2.162e-011	0.99994	0.99000	
(2)	1921	3693	9896	29745	66039	194490	2ORDR	-2.14e-002	3.114e-005	1.049e-010	0.99996	0.99000	
(3)	8454	16093	39673	122240	266670	814930	2ORDR	-3.19e-002	7.997e-006	5.295e-012	0.99995	0.99000	
(4)	3355	6368	16451	50037	110430	335430	2ORDR	-2.79e-002	1.922e-005	3.183e-011	0.99995	0.99000	
(5)	2405	4626	12374	39115	89105	276720	2ORDR	-1.86e-002	2.438e-005	4.276e-011	0.99997	0.99000	
Aroclor-1221				25196			2ORDR	0.00000000	3.969e-005	0.00000000	1.00000	0.99000	<
(2)				17571			2ORDR	0.00000000	5.691e-005	0.00000000	1.00000	0.99000	<
(3)				49180			2ORDR	0.00000000	2.033e-005	0.00000000	1.00000	0.99000	<
(4)				13594			2ORDR	0.00000000	7.356e-005	0.00000000	1.00000	0.99000	<
Aroclor-1232	3544	9235	14360	40418	87611	255800	2ORDR	-6.1e-002	2.369e-005	6.117e-011	0.99987	0.99000	
(2)	3193	7887	13083	36480	78877	233770	2ORDR	-6.22e-002	2.67e-005	6.993e-011	0.99987	0.99000	
(3)	1349	3035	5198	15020	33278	100300	2ORDR	-5.44e-002	6.458e-005	3.556e-010	0.99991	0.99000	
(4)	2070	5093	8498	24655	54563	168740	2ORDR	-5.81e-002	4.031e-005	1.144e-010	0.99989	0.99000	
(5)	1584	3943	6585	18823	41338	125060	2ORDR	-5.8e-002	5.209e-005	2.267e-010	0.99989	0.99000	
Aroclor-1242	3983	10209	17055	59246	122940	358910	2ORDR	-3.57e-002	1.638e-005	3.227e-011	0.99992	0.99000	
(2)	6765	14984	28578	100020	215940	652830	2ORDR	-2.81e-002	9.746e-006	8.604e-012	0.99996	0.99000	
(3)	2741	7258	11683	42336	89727	270580	2ORDR	-3.34e-002	2.334e-005	5.082e-011	0.99992	0.99000	
(4)	2326	6354	9921	35448	74039	221550	2ORDR	-3.8e-002	2.801e-005	7.813e-011	0.99990	0.99000	
(5)	2659	6756	11465	41532	89057	271980	2ORDR	-3.08e-002	2.384e-005	4.797e-011	0.99994	0.99000	
Aroclor-1248	4025	7548	16719	59250	120640	364050	2ORDR	-3.17e-002	1.708e-005	2.88e-011	0.99987	0.99000	
(2)	2872	5166	11892	44020	92094	284190	2ORDR	-2.4e-002	2.295e-005	4.339e-011	0.99991	0.99000	
(3)	4640	8480	19155	69056	144230	448740	2ORDR	-2.9e-002	1.479e-005	1.685e-011	0.99989	0.99000	
(4)	3939	7350	16822	62005	130050	406510	2ORDR	-2.53e-002	1.645e-005	2.021e-011	0.99990	0.99000	
(5)	4344	8189	18491	62908	147240	462990	2ORDR	-1.52e-002	1.5e-005	1.431e-011	0.99999	0.99000	
Aroclor-1254	1565	3014	7152	24791	54258	167220	2ORDR	-2.05e-002	3.94e-005	1.228e-010	0.99997	0.99000	
(2)	1818	3547	8223	28432	62594	194200	2ORDR	-2.15e-002	3.443e-005	8.845e-011	0.99997	0.99000	
(3)	3537	6590	15090	52806	117330	370510	2ORDR	-2.21e-002	1.869e-005	2.257e-011	0.99998	0.99000	
(4)	6657	12373	27776	95203	209050	650640	2ORDR	-2.59e-002	1.036e-005	7.764e-012	0.99997	0.99000	
(5)	6222	11782	26099	89616	196540	611610	2ORDR	-2.63e-002	1.102e-005	8.797e-012	0.99997	0.99000	
Aroclor-1260	4986	9467	23793	75140	168460	535210	2ORDR	-2.79e-002	1.314e-005	1.046e-011	0.99996	0.99000	
(2)	3787	7269	18373	58452	132020	421000	2ORDR	-2.56e-002	1.683e-005	1.661e-011	0.99996	0.99000	
(3)	7436	14126	35264	113550	257180	843760	2ORDR	-2.78e-002	8.826e-006	3.627e-012	0.99996	0.99000	
(4)	4171	8014	20428	66302	150020	493210	2ORDR	-2.61e-002	1.513e-005	1.055e-011	0.99996	0.99000	
(5)	1730	3345	8803	28828	65572	218880	2ORDR	-2.4e-002	3.494e-005	4.96e-011	0.99996	0.99000	
Tetrachloro-m-xylene	5104	5865	14209	46272	105060	337130	2ORDR	-7.31e-004	4.291e-007	4.936e-013	0.99996	0.99000	
Decachlorobiphenyl	1425	2806	7297	23421	52555	166980	2ORDR	-4.72e-004	8.402e-007	2.159e-012	0.99996	0.99000	

FORM VI SV

Report Date: 11-Oct-2005 17:33

Calibration History

Method : \\Target_server\GG\chem\gc06.i\GC06VJ10B1.B\PCBB035A.M
Start Cal Date: 10-OCT-2005 20:34
End Cal Date : 11-OCT-2005 11:40
Last Cal Level: 6
Last Cal Type : Initial Calibration

Initial Calibration

Injection Date	Sublist	Calibration File
Cal Level: 1 , Cal Amount: 0.05000		
11-OCT-2005 09:47	AR1232	6VJ2106.d
11-OCT-2005 06:29	AR1254	6VJ2099.d
11-OCT-2005 03:39	AR1248	6VJ2093.d
11-OCT-2005 00:50	AR1242	6VJ2087.d
10-OCT-2005 21:03	ar1660	6VJ2079.d
Cal Level: 2 , Cal Amount: 0.10000		
11-OCT-2005 10:16	AR1232	6VJ2107.d
11-OCT-2005 06:58	AR1254	6VJ2100.d
11-OCT-2005 04:08	AR1248	6VJ2094.d
11-OCT-2005 01:18	AR1242	6VJ2088.d
10-OCT-2005 21:31	ar1660	6VJ2080.d
Cal Level: 3 , Cal Amount: 0.25000		
11-OCT-2005 10:44	AR1232	6VJ2108.d
11-OCT-2005 07:26	AR1254	6VJ2101.d
11-OCT-2005 04:36	AR1248	6VJ2095.d
11-OCT-2005 01:46	AR1242	6VJ2089.d
10-OCT-2005 21:59	ar1660	6VJ2081.d
Cal Level: 4 , Cal Amount: 1.00000		
11-OCT-2005 09:19	AR1232	6VJ2105.d
11-OCT-2005 08:51	AR1221	6VJ2104.d
11-OCT-2005 06:01	AR1254	6VJ2098.d
11-OCT-2005 03:11	AR1248	6VJ2092.d
11-OCT-2005 00:21	AR1242	6VJ2086.d
10-OCT-2005 20:34	ar1660	6VJ2078.d
Cal Level: 5 , Cal Amount: 2.50000		
11-OCT-2005 11:12	AR1232	6VJ2109.d
11-OCT-2005 07:54	AR1254	6VJ2102.d
11-OCT-2005 05:05	AR1248	6VJ2096.d
11-OCT-2005 02:15	AR1242	6VJ2090.d
10-OCT-2005 22:28	ar1660	6VJ2082.d

Cal Level: 6 , Cal Amount: 10.00000		
11-OCT-2005 11:40	AR1232	6VJ2110.RAW
11-OCT-2005 08:23	AR1254	6VJ2103.RAW
11-OCT-2005 05:33	AR1248	6VJ2097.RAW
11-OCT-2005 02:43	AR1242	6VJ2091.RAW
10-OCT-2005 22:56	ar1660	6VJ2083.RAW

Continuing Calibration
Ccal Level Mode: BY SAMPLE

11-OCT-2005 09:19	AR1232	6VJ2105.d
11-OCT-2005 08:51	AR1221	6VJ2104.d
11-OCT-2005 06:01	AR1254	6VJ2098.d
11-OCT-2005 03:11	AR1248	6VJ2092.d
11-OCT-2005 00:21	AR1242	6VJ2086.d
10-OCT-2005 23:53	AR1260	6VJ2085.d
10-OCT-2005 23:25	AR1016	6VJ2084.d
10-OCT-2005 20:34	ar1660	6VJ2078.d

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: MIDDLE RIVER SDG No.: WV5584

Instrument ID: GC06 Calibration Date: 10/10/05 Time: 2325

Lab File ID: 6VJ1084 Init. Calib. Date(s): 10/10/05 10/11/05

Init. Calib. Times: 2034 1140

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Aroclor-1016	1.1027000	1.0000000	19423.000	0.01	10.27	15.00	2RDR
(2)	1.1112000	1.0000000	47648.000	0.01	11.12	15.00	2RDR
(3)	1.1090000	1.0000000	23976.000	0.01	10.90	15.00	2RDR
(4)	1.1021000	1.0000000	15771.000	0.01	10.21	15.00	2RDR
(5)	1.0818000	1.0000000	13666.000	0.01	8.18	15.00	2RDR
Average %D: 10.140							

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: MIDDLE RIVER SDG No.: WV5584

Instrument ID: GC06 Calibration Date: 10/10/05 Time: 2325

Lab File ID: 6VJ2084 Init. Calib. Date(s): 10/10/05 10/11/05

Init. Calib. Times: 2034 1140

GC Column: RTX-35 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Aroclor-1016	1.1367000	1.0000000	76994.000	0.01	13.67	15.00	2RDR
(2)	1.1490000	1.0000000	33757.000	0.01	14.90	15.00	2RDR
(3)	1.1240000	1.0000000	132860.00	0.01	12.40	15.00	2RDR
(4)	1.1325000	1.0000000	55303.000	0.01	13.25	15.00	2RDR
(5)	1.1298000	1.0000000	43760.000	0.01	12.98	15.00	2RDR
Average %D: 13.440							

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: MIDDLE RIVER SDG No.: WV5584

Instrument ID: GC06 Calibration Date: 10/10/05 Time: 2353

Lab File ID: 6VJ1085 Init. Calib. Date(s): 10/10/05 10/11/05

Init. Calib. Times: 2034 1140

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Aroclor-1260	1.0812000	1.0000000	21857.000	0.01	8.12	15.00	2RDR
(2)	1.1024000	1.0000000	22895.000	0.01	10.24	15.00	2RDR
(3)	1.0990000	1.0000000	49191.000	0.01	9.90	15.00	2RDR
(4)	1.0827000	1.0000000	26468.000	0.01	8.27	15.00	2RDR
(5)	1.0860000	1.0000000	12614.000	0.01	8.60	15.00	2RDR
Average %D: 9.0300							

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: MIDDLE RIVER SDG No.: WV5584

Instrument ID: GC06 Calibration Date: 10/10/05 Time: 2353

Lab File ID: 6VJ2085 Init. Calib. Date(s): 10/10/05 10/11/05

Init. Calib. Times: 2034 1140

GC Column: RTX-35 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Aroclor-1260	1.0961000	1.0000000	80408.000	0.01	9.61	15.00	2RDR
(2)	1.0978000	1.0000000	62873.000	0.01	9.78	15.00	2RDR
(3)	1.0946000	1.0000000	121150.00	0.01	9.46	15.00	2RDR
(4)	1.1043000	1.0000000	71189.000	0.01	10.43	15.00	2RDR
(5)	1.1209000	1.0000000	31366.000	0.01	12.09	15.00	2RDR
Average %D: 10.270							

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: MIDDLE RIVER SDG No.: WV5584

Instrument ID: GC06 Calibration Date: 10/28/05 Time: 0359

Lab File ID: 6VJ7034 Init. Calib. Date(s): 10/10/05 10/10/05

Init. Calib. Times: 2034 2256

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF0.2500 or AMOUNT	CCAL RRF0.2500	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Aroclor-1016	0.2878100	0.2500000	22160.000	0.01	15.12	15.00	2RDR	<-
(2)	0.2860800	0.2500000	54068.000	0.01	14.43	15.00	2RDR	
(3)	0.2940300	0.2500000	27816.000	0.01	17.61	15.00	2RDR	<-
(4)	0.2821000	0.2500000	16924.000	0.01	12.84	15.00	2RDR	
(5)	0.3102500	0.2500000	17304.000	0.01	24.10	15.00	2RDR	<-
Average %D: 16.840								
Aroclor-1260	0.2752400	0.2500000	24324.000	0.01	10.10	15.00	2RDR	
(2)	0.2704000	0.2500000	24116.000	0.01	8.16	15.00	2RDR	
(3)	0.2746900	0.2500000	53156.000	0.01	9.88	15.00	2RDR	
(4)	0.2642800	0.2500000	27340.000	0.01	5.71	15.00	2RDR	
(5)	0.2663900	0.2500000	12940.000	0.01	6.56	15.00	2RDR	
Average %D: 8.0800								
Tetrachloro-m-xylene	5.16e-003	5.e-003	699800.00	0.01	3.20	15.00	2RDR	<-
Decachlorobiphenyl	5.35e-003	5.e-003	580200.00	0.01	7.00	15.00	2RDR	<-

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: MIDDLE RIVER SDG No.: WV5584

Instrument ID: GC06 Calibration Date: 10/28/05 Time: 0359

Lab File ID: 6VJ8034 Init. Calib. Date(s): 10/10/05 10/10/05

Init. Calib. Times: 2034 2256

GC Column: RTX-35 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF0.2500 or AMOUNT	CCAL RRF0.2500	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE	
Aroclor-1016	0.3053400	0.2500000	96108.000	0.01	22.14	15.00	2RDR	<-
(2)	0.3093400	0.2500000	41068.000	0.01	23.74	15.00	2RDR	<-
(3)	0.3104000	0.2500000	166600.00	0.01	24.16	15.00	2RDR	<-
(4)	0.3192400	0.2500000	70196.000	0.01	27.70	15.00	2RDR	<-
(5)	0.3065600	0.2500000	52168.000	0.01	22.62	15.00	2RDR	<-
Average %D: 24.080								
Aroclor-1260	0.3049600	0.2500000	99380.000	0.01	21.98	15.00	2RDR	<-
(2)	0.3054800	0.2500000	77248.000	0.01	22.19	15.00	2RDR	<-
(3)	0.3065100	0.2500000	149230.00	0.01	22.60	15.00	2RDR	<-
(4)	0.2916400	0.2500000	82804.000	0.01	16.66	15.00	2RDR	<-
(5)	0.2806100	0.2500000	34448.000	0.01	12.24	15.00	2RDR	
Average %D: 19.120								
Tetrachloro-m-xylene	4.65e-003	5.e-003	2471600.0	0.01	-7.00	15.00	2RDR	<-
Decachlorobiphenyl	5.59e-003	5.e-003	1417800.0	0.01	11.80	15.00	2RDR	<-

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: MIDDLE RIVER SDG No.: WV5584

Instrument ID: GC06 Calibration Date: 10/28/05 Time: 1508

Lab File ID: 6VJ7056 Init. Calib. Date(s): 10/10/05 10/10/05

Init. Calib. Times: 2034 2256

GC Column: RTX-5 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Aroclor-1016	0.9516400	1.0000000	16934.000	0.01	-4.84	15.00	2RDR
(2)	0.9415000	1.0000000	40845.000	0.01	-5.85	15.00	2RDR
(3)	0.9534800	1.0000000	20827.000	0.01	-4.65	15.00	2RDR
(4)	0.9411200	1.0000000	13555.000	0.01	-5.89	15.00	2RDR
(5)	0.9685300	1.0000000	12339.000	0.01	-3.15	15.00	2RDR
Average %D: -4.870							
Aroclor-1260	0.8907100	1.0000000	18237.000	0.01	-10.93	15.00	2RDR
(2)	0.9007200	1.0000000	18906.000	0.01	-9.93	15.00	2RDR
(3)	0.9402100	1.0000000	42431.000	0.01	-5.98	15.00	2RDR
(4)	0.8856800	1.0000000	21848.000	0.01	-11.43	15.00	2RDR
(5)	1.1232000	1.0000000	13027.000	0.01	12.32	15.00	2RDR
Average %D: -5.190							
Tetrachloro-m-xylene	2.21e-002	2.e-002	713850.00	0.01	10.50	15.00	2RDR
Decachlorobiphenyl	2.29e-002	2.e-002	580050.00	0.01	14.50	15.00	2RDR

FORM VII PEST

FORM 7B
PESTICIDE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: MIDDLE RIVER SDG No.: WV5584

Instrument ID: GC06 Calibration Date: 10/28/05 Time: 1508

Lab File ID: 6VJ8056 Init. Calib. Date(s): 10/10/05 10/10/05

Init. Calib. Times: 2034 2256

GC Column: RTX-35 ID: 0.53 (mm)

COMPOUND	RRF or AMOUNT	RRF1.0000 or AMOUNT	CCAL RRF1.0000	MIN RRF	%D or %DRIFT	MAX %D or %DRIFT	CURV TYPE
Aroclor-1016	1.0239000	1.0000000	70233.000	0.01	2.39	15.00	2RDR
(2)	1.0171000	1.0000000	30268.000	0.01	1.71	15.00	2RDR
(3)	1.0348000	1.0000000	123310.00	0.01	3.48	15.00	2RDR
(4)	1.0289000	1.0000000	50715.000	0.01	2.89	15.00	2RDR
(5)	1.0106000	1.0000000	39487.000	0.01	1.06	15.00	2RDR
Average %D: 2.3000							
Aroclor-1260	1.0033000	1.0000000	74115.000	0.01	0.33	15.00	2RDR
(2)	0.9945800	1.0000000	57386.000	0.01	-0.54	15.00	2RDR
(3)	1.0011000	1.0000000	111470.00	0.01	0.11	15.00	2RDR
(4)	0.9792700	1.0000000	63627.000	0.01	-2.07	15.00	2RDR
(5)	0.9592700	1.0000000	27096.000	0.01	-4.07	15.00	2RDR
Average %D: -1.250							
Tetrachloro-m-xylene	2.07e-002	2.e-002	2366400.0	0.01	3.50	15.00	2RDR
Decachlorobiphenyl	2.14e-002	2.e-002	1222800.0	0.01	7.00	15.00	2RDR

FORM 8
SEMIVOLATILE ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: MIDDLE RIVER SDG No.: WV5584

GC Column: RTX-5 ID: 0.53 (mm) Init. Calib. Date(s): 10/10/05 10/11/05

Instrument ID: GC06

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 6.06 DCB: 19.29

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01		AR1660 1.0PP	10/10/05	2034	6.06	19.29
02		AR1660 0.05P	10/10/05	2103	6.05	19.30
03		AR1660 0.1PP	10/10/05	2131	6.06	19.30
04		AR1660 0.25P	10/10/05	2159	6.06	19.29
05		AR1660 2.5PP	10/10/05	2228	6.06	19.29
06		AR1660 10PPM	10/10/05	2256	6.06	19.29
07		AR1016 1.0PP	10/10/05	2325		
08		AR1260 1.0PP	10/10/05	2353		
09		AR1242 1.0PP	10/11/05	0021		
10		AR1248 1.0PP	10/11/05	0311		
11		AR1254 1.0PP	10/11/05	0601		
12		AR1221 1.0PP	10/11/05	0851		
13		AR1232 1.0PP	10/11/05	0919		
14						
15						
16						
17						
18						
19						
20						

QC LIMITS

TCX = Tetrachloro-m-xylene (+/- 0.07 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: MIDDLE RIVER SDG No.: WV5584

GC Column: RTX-35 ID: 0.53 (mm) Init. Calib. Date(s): 10/10/05 10/11/05

Instrument ID: GC06

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 4.84 DCB: 18.20

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01		AR1660 1.0PP	10/10/05	2034	4.84	18.20
02		AR1660 0.05P	10/10/05	2103	4.84	18.20
03		AR1660 0.1PP	10/10/05	2131	4.84	18.20
04		AR1660 0.25P	10/10/05	2159	4.84	18.20
05		AR1660 2.5PP	10/10/05	2228	4.84	18.20
06		AR1660 10PPM	10/10/05	2256	4.84	18.20
07		AR1016 1.0PP	10/10/05	2325		
08		AR1260 1.0PP	10/10/05	2353		
09		AR1242 1.0PP	10/11/05	0021		
10		AR1248 1.0PP	10/11/05	0311		
11		AR1254 1.0PP	10/11/05	0601		
12		AR1221 1.0PP	10/11/05	0851		
13		AR1232 1.0PP	10/11/05	0919		
14						
15						
16						
17						
18						
19						
20						

QC LIMITS
TCX = Tetrachloro-m-xylene (+/- 0.07 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: MIDDLE RIVER SDG No.: WV5584

GC Column: RTX-5 ID: 0.53 (mm) Init. Calib. Date(s): 10/10/05 10/11/05

Instrument ID: GC06

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 6.53 DCB: 19.82

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01		AR1660 025PP	10/28/05	0359	6.53	19.82
02	WG22030-BLAN	WG22030-1	10/28/05	0552	6.53	19.81
03	WG22030-LCS	WG22030-2	10/28/05	0620	6.53	19.81
04	SW-08-102005	WV5584-2	10/28/05	0648	6.52	19.81
05	SW-09-102005	WV5584-4	10/28/05	0716	6.52	19.81
06	SW-10-102005	WV5584-6	10/28/05	0744	6.52	19.81
07	SW-11-102005	WV5584-8	10/28/05	0813	6.52	19.81
08	SW-12-102005	WV5584-10	10/28/05	0841	6.52	19.81
09	SW-13-102005	WV5584-12	10/28/05	0909	6.52	19.81
10	SW-14-102005	WV5584-14	10/28/05	0937	6.52	19.81
11	SW-15-102005	WV5584-16	10/28/05	1006	6.52	19.81
12	SW-16-102005	WV5584-18	10/28/05	1034	6.52	19.81
13	SW-17-102005	WV5584-20	10/28/05	1102	6.52	19.81
14	SW-17-102005	WG22030-3	10/28/05	1130	6.52	19.81
15	SW-17-102005	WG22030-4	10/28/05	1158	6.52	19.81
16		AR1660 1.0PP	10/28/05	1508	6.54	19.82
17						
18						
19						
20						

QC LIMITS
TCX = Tetrachloro-m-xylene (+/- 0.07 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

FORM 8
SEMIVOLATILE ANALYTICAL SEQUENCE

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code:

Project: MIDDLE RIVER SDG No.: WV5584

GC Column: RTX-35 ID: 0.53 (mm) Init. Calib. Date(s): 10/10/05 10/11/05

Instrument ID: GC06

THE ANALYTICAL SEQUENCE OF PERFORMANCE EVALUATION MIXTURES, BLANKS, SAMPLES, AND STANDARDS IS GIVEN BELOW:

MEAN SURROGATE RT FROM INITIAL CALIBRATION
TCX: 5.21 DCB: 18.63

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	TCX RT #	DCB RT #
01		AR1660 025PP	10/28/05	0359	5.21	18.63
02	WG22030-BLAN	WG22030-1	10/28/05	0552	5.22	18.63
03	WG22030-LCS	WG22030-2	10/28/05	0620	5.22	18.63
04	SW-08-102005	WV5584-2	10/28/05	0648	5.22	18.63
05	SW-09-102005	WV5584-4	10/28/05	0716	5.21	18.63
06	SW-10-102005	WV5584-6	10/28/05	0744	5.22	18.63
07	SW-11-102005	WV5584-8	10/28/05	0813	5.21	18.63
08	SW-12-102005	WV5584-10	10/28/05	0841	5.22	18.63
09	SW-13-102005	WV5584-12	10/28/05	0909	5.21	18.63
10	SW-14-102005	WV5584-14	10/28/05	0937	5.21	18.63
11	SW-15-102005	WV5584-16	10/28/05	1006	5.21	18.63
12	SW-16-102005	WV5584-18	10/28/05	1034	5.21	18.63
13	SW-17-102005	WV5584-20	10/28/05	1102	5.21	18.63
14	SW-17-102005	WG22030-3	10/28/05	1130	5.21	18.63
15	SW-17-102005	WG22030-4	10/28/05	1158	5.21	18.63
16		AR1660 1.0PP	10/28/05	1508	5.20	18.63
17						
18						
19						
20						

QC LIMITS

TCX = Tetrachloro-m-xylene (+/- 0.07 MINUTES)
DCB = Decachlorobiphenyl (+/- 0.07 MINUTES)

Column used to flag retention time values with an asterisk.
* Values outside of QC limits.

TETRA TECH NUS, INC. **CALCULATION WORKSHEET** PAGE _____ OF _____

CLIENT: Lockheed Middle River		JOB NUMBER: 00275	
SUBJECT: Sample Calculation			
BASED ON: SW-846		DRAWING NUMBER:	
BY: KAC	CHECKED BY:	APPROVED BY:	DATE: 11/10/05

TB10 2005 Acetone 4 ug/L

$$\frac{1537}{503442} \times \frac{50}{0.034} = 4.4$$

No positive SVOC, or PCB.

Data File: \\Target_server\GG\chem\gcms-f.i\F102605.b\F9284.D
Report Date: 28-Oct-2005 08:53

Katahdin Analytical Services

Data file : \\Target_server\GG\chem\gcms-f.i\F102605.b\F9284.D
Lab Smp Id: WV5584-1 Client Smp ID: TB102005
Inj Date : 26-OCT-2005 14:53 MS Autotune Date: 20-OCT-2005 08:14
Operator : SKT Inst ID: gcms-f.i
Smp Info : WV5584-1
Misc Info : SW846 8260B
Comment :
Method : \\Target_server\GG\chem\gcms-f.i\F102605.b\F826A46.m
Meth Date : 28-Oct-2005 07:53 sthompson Quant Type: ISTD
Cal Date : 24-OCT-2005 14:05 Cal File: F9232.D
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: TETRATMID002.sub
Target Version: 4.12

Concentration Formula: Amt * DF * 5/Vo * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vo	5.000	sample purged
Cpnd Variable		Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/l)	CONCENTRATIONS FINAL (ug/l)
	15 Acetone	58	5.561	5.527	(0.558)	1537	4.45538	4.4(aM)
$	37 Dibromofluoromethane	113	9.123	9.100	(0.915)	298549	49.8184	49.8
$	45 1,2-Dichloroethane-D4	65	9.877	9.866	(0.991)	379723	56.8369	56.8
$	55 Toluene-D8	98	12.139	12.116	(1.149)	710897	45.4457	45.4
$	76 P-Bromofluorobenzene	95	15.654	15.632	(1.482)	315818	46.9667	47.0
*	42 Pentafluorobenzene	168	9.970	9.924	(1.000)	503442	50.0000	
*	49 1,4-Difluorobenzene	114	10.561	10.539	(1.000)	698092	50.0000	
*	66 Chlorobenzene-D5	117	14.053	14.042	(1.000)	596239	50.0000	
*	91 1,4-Dichlorobenzene-D4	152	17.209	17.186	(1.000)	247290	50.0000	

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M - Compound response manually integrated.

FORM 5
VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: WV5584

Lab File ID: FB247 BFB Injection Date: 10/26/05

Instrument ID: GCMS-F BFB Injection Time: 1019

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	24.5
75	30.0 - 60.0% of mass 95	48.2
95	Base Peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	8.5
173	Less than 2.0% of mass 174	1.0 (1.3)1
174	Greater than 50.0% of mass 95	73.0
175	5.0 - 9.0% of mass 174	5.4 (7.4)1
176	95.0 - 101.0% of mass 174	70.5 (96.6)1
177	5.0 - 9.0% of mass 176	6.2 (8.8)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		VSTD050F26B	F9279	10/26/05	1141
02	WG22067-LCS	WG22067-1	F9280	10/26/05	1224
03	WG22067-BLANK	WG22067-2	F9283	10/26/05	1419
04	TB102005	WV5584-1	F9284	10/26/05	1453
05	SW-08-102005	WV5584-2	F9285	10/26/05	1527
06	SW-09-102005	WV5584-4	F9286	10/26/05	1601
07	SW-10-102005	WV5584-6	F9287	10/26/05	1635
08	SW-11-102005	WV5584-8	F9288	10/26/05	1709
09	SW-12-102005	WV5584-10	F9289	10/26/05	1744
10	SW-13-102005	WV5584-12	F9290	10/26/05	1818
11	SW-14-102005	WV5584-14	F9291	10/26/05	1852
12	SW-15-102005	WV5584-16	F9292	10/26/05	1925
13	SW-16-102005	WV5584-18	F9293	10/26/05	1959
14	SW-17-102005	WV5584-20	F9294	10/26/05	2033
15	SW-17-102005MS	WG22067-3	F9295	10/26/05	2107
16	SW-17-102005MSD	WG22067-4	F9296	10/26/05	2141
17					
18					
19					
20					
21					
22					

FORM 7B
VOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: MIDDLE RIVER SDG No.: WV5584

Instrument ID: GCMS-F Calibration Date: 10/26/05 Time: 1141

Lab File ID: F9279 Init. Calib. Date(s): 10/24/05 10/24/05

Init. Calib. Times: 1022 1439

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	
Dichlorodifluoromethane	56.586000	50.000000	0.5932200	0.01	13.17		LINR	
Chloromethane	0.5570000	0.5567200	0.5567200	0.1	-0.05		AVRG	
Vinyl chloride	0.4800000	0.5143200	0.5143200	0.01	7.15	20.00	AVRG	
Bromomethane	0.3990000	0.4032200	0.4032200	0.01	1.06		AVRG	
Chloroethane	0.2900000	0.3059100	0.3059100	0.01	5.49		AVRG	
Trichlorofluoromethane	61.261000	50.000000	1.0572000	0.01	22.52		LINR	
Tertiary-butyl alcohol	0.0000000	250.00000	0.0000000	0.01	0.00		2RDR	<-
1,1-Dichloroethene	0.4240000	0.4358800	0.4358800	0.1	2.80	20.00	AVRG	
Carbon Disulfide	1.3330000	1.4100000	1.4100000	0.01	5.78		AVRG	
Freon-113	0.3920000	0.4287900	0.4287900	0.01	9.38		AVRG	
Methylene Chloride	49.468000	50.000000	0.5121700	0.01	-1.06		LINR	
Acetone	3.4e-002	2.17e-002	2.17e-002	0.01	-36.18		AVRG	
trans-1,2-Dichloroethene	0.4720000	0.5106600	0.5106600	0.01	8.19		AVRG	
Methyl tert-butyl ether	1.3290000	1.3556000	1.3556000	0.01	2.00		AVRG	
Di-isopropyl ether	1.7200000	0.9589400	0.9589400	0.01	-44.25		AVRG	
1,1-Dichloroethane	0.8200000	0.9218000	0.9218000	0.3	12.42		AVRG	
Ethyl tertiary-butyl ether	1.6730000	1.7578000	1.7578000	0.01	5.07		AVRG	
Vinyl Acetate	0.8440000	0.8755600	0.8755600	0.01	3.74		AVRG	
cis-1,2-Dichloroethene	0.5140000	0.5519400	0.5519400	0.01	7.38		AVRG	
1,2-Dichloroethylene (total)	0.7500000	1.0626000	1.0626000	0.01	41.68		AVRG	
2,2-Dichloropropane	0.7580000	0.9131400	0.9131400	0.01	20.47		AVRG	
Bromochloromethane	0.2700000	0.2712900	0.2712900	0.01	0.48		AVRG	
Chloroform	0.9210000	1.0806000	1.0806000	0.01	17.33	20.00	AVRG	
Carbon Tetrachloride	62.231000	50.000000	0.6372400	0.01	24.46		LINR	
1,1,1-Trichloroethane	0.7790000	0.9992800	0.9992800	0.01	28.28		AVRG	
1,1-Dichloropropene	0.4540000	0.5433800	0.5433800	0.01	19.69		AVRG	
2-Butanone	4.2e-002	3.82e-002	3.82e-002	0.01	-9.05		AVRG	
Benzene	1.1400000	1.2333000	1.2333000	0.01	8.18		AVRG	
Tertiary-amyl methyl ether	1.3320000	1.3498000	1.3498000	0.01	1.34		AVRG	

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**M. MARTIN**	**DATE:**	**NOVEMBER 17, 2005**
FROM:	**ETHAN G. LEE**	**COPIES:**	**DV FILE**

SUBJECT: **INORGANIC DATA VALIDATION - METALS AND HEXAVALENT CHROMIUM**
LOCKHEED MIDDLE RIVER
SAMPLE DELIVERY GROUP (SDG) – WV5584

SAMPLES: 10/AQUEOUS/

SW-08-102005	SW-09-102005	SW-10-102005
SW-11-102005	SW-12-102005	SW-13-102005
SW-14-102005	SW-15-102005	SW-16-102005
SW-17-102005		

Overview

The sample set for Lockheed Middle River, SDG WV5584, consists of ten (10) aqueous environmental samples.

All samples were analyzed for total and dissolved select metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, silver, thallium, vanadium, and zinc) and hexavalent chromium. The samples were collected by Tetra Tech NUS on October 20, 2005 and analyzed by Katahdin Analytical Services. Metals analyses except mercury were conducted using SW-846 method 6010B. Mercury analyses were conducted using SW-846 method 7470A. Hexavalent chromium analyses were conducted using SW-846 method 7196A.

Summary

All analytes were successfully analyzed. The findings offered in this report are based upon a general review of all available data. The data review was based on data completeness, holding times, calibration data, laboratory method/preparation blanks, interference check sample (ICS) results, matrix spike results, laboratory duplicate results, laboratory control sample (LCS) results, ICP serial dilution results, detection limits, and analyte quantitation.

All metals analyses, with the exception of mercury, were conducted using Inductively Coupled Plasma (ICP) methodology. Mercury analyses were conducted using Cold Vapor Atomic Absorption (CVAA) methodology.

Minor Problems

- The contract required detection limit (CRDL) standard run on 10/31/05 at 18:03 had percent recoveries (%Rs) >110% for chromium and zinc and <90% for copper and lead. Positive results reported for chromium and zinc <2X the CRDL were qualified as biased high (K) and nondetects reported for copper and lead were qualified as biased low (UL) in dissolved sample SW-17-102005.

- The CRDL standards run on 11/1/05 at 12:24 and 16:51 had %Rs <90% for copper and lead. Positive results reported for copper and lead <2X the CRDL were qualified as biased low (L) and nondetected results reported for copper and lead were qualified as biased low (UL) in the associated samples.

- The CRDL standard run on 11/1/05 at 16:51 had %Rs >110% for antimony, chromium, selenium, and zinc and <90% for beryllium, silver, and vanadium. Positive results reported for antimony, chromium, selenium, and zinc <2X the CRDL were qualified as biased high (K) and nondetects reported for beryllium, silver, and vanadium were qualified as biased low (UL) in the associated samples.

- The CRDL standard run on 11/2/05 at 16:59 had a %R <90% for selenium. The nondetected result reported for selenium was qualified as biased low (UL) in total metals sample SW-17-102005.

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

Analyte	Maximum Concentration	Action Level
Barium	0.36 ug/L	1.8 ug/L
Cadmium	0.54 ug/L	2.7 ug/L
Cobalt	1.72 ug/L	8.60 ug/L
Silver	2.51 ug/L	12.6 ug/L
Thallium	7.47 ug/L	37.4 ug/L
Zinc	1.55 ug/L	7.75 ug/L

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 the action level for cadmium and cobalt were qualified (B) as a result of blank contamination. The remaining analytes were not qualified because the results were either greater than the action level or they were nondetects.

Notes

The continuing calibration verification (CCV) standard run on 10/31/05 at 18:25 had %Rs >110% for antimony, barium, chromium, molybdenum, nickel, selenium, and zinc. No qualification action was required because no samples were associated with this standard.

The CCV standard run on 11/1/05 at 17:12 had %Rs >110% for antimony, barium, chromium, cobalt, molybdenum, nickel, selenium, and zinc. No qualification action was required because no samples associated with this standard were analyzed for these analytes.

The CRDL standard run on 10/31/05 at 18:03 had a %R >110% for antimony. No qualification action was required because all antimony results were nondetects.

The CRDL standard run on 11/1/05 at 16:51 had %Rs >110% for cobalt and thallium. No qualification action was required because all results for cobalt and thallium were either nondetects or they were previously qualified for laboratory blank contamination.

The CRDL standards run on 11/1/05 at 18:48 and 21:33 had %Rs >110% for thallium. The CRDL standard run on 11/2/05 at 01:51 had a %R <90% for vanadium. No qualification action was required because no samples were associated with these standards.

Interfering analytes were not present in these samples so interference analyses could not be performed.

Executive Summary

Laboratory Performance: Several analytes were qualified due to calibration noncompliance. 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 USEPA Region III modifications to "National Functional Guidelines for Inorganic Review", April 1993.

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

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

Data Qualifier Key:

U	-	Value is a nondetect as reported by the laboratory.
UL	-	Nondetected result is considered biased low as a result of technical noncompliance.
B	-	Positive result is considered to be an artifact of blank contamination and should not be considered present.
K	-	Positive result is considered biased high as a result of technical noncompliance.
L	-	Positive result is considered biased low as a result of technical noncompliance.

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: 00275

SDG: WV5584 MEDIA: WATER DATA FRACTION: M

nsample	SW-08-102005
samp_date	10/20/2005
lab_id	WV5584-002
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANTIMONY	5.2	K	C
ARSENIC	3.45	U	
BARIUM	85		
BERYLLIUM	0.35	UL	C
CADMIUM	0.4	U	
CHROMIUM	1.01	U	
COBALT	1.12	U	
COPPER	1.74	UL	C
LEAD	2.4	L	C
MERCURY	0.02	U	
MOLYBDENUM	2	U	
NICKEL	1.7		
SELENIUM	3.59	U	
SILVER	1.04	UL	C
THALLIUM	6.13	U	
VANADIUM	1.36	UL	C
ZINC	12	K	C

nsample	SW-09-102005
samp_date	10/20/2005
lab_id	WV5584-004
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANTIMONY	4.11	U	
ARSENIC	3.45	U	
BARIUM	84.4		
BERYLLIUM	0.35	UL	C
CADMIUM	0.4	U	
CHROMIUM	1.01	U	
COBALT	1.3	B	A
COPPER	1.74	UL	C
LEAD	1.65	UL	C
MERCURY	0.02	U	
MOLYBDENUM	2	U	
NICKEL	2.4		
SELENIUM	3.59	U	
SILVER	1.04	UL	C
THALLIUM	6.13	U	
VANADIUM	1.36	UL	C
ZINC	9.1	K	C

nsample	SW-10-102005
samp_date	10/20/2005
lab_id	WV5584-006
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANTIMONY	4.11	U	
ARSENIC	3.45	U	
BARIUM	86.2		
BERYLLIUM	0.35	UL	C
CADMIUM	0.4	U	
CHROMIUM	1.5	K	C
COBALT	1.2	B	A
COPPER	1.74	UL	C
LEAD	1.65	UL	C
MERCURY	0.02	U	
MOLYBDENUM	2	U	
NICKEL	3.4		
SELENIUM	3.59	U	
SILVER	1.04	UL	C
THALLIUM	6.13	U	
VANADIUM	1.36	UL	C
ZINC	10.5	K	C

PROJ_NO: 00275

SDG: WV5584 MEDIA: WATER DATA FRACTION: M

nsample	SW-11-102005	nsample	SW-12-102005	nsample	SW-13-102005
samp_date	10/20/2005	samp_date	10/20/2005	samp_date	10/20/2005
lab_id	WV5584-008	lab_id	WV5584-010	lab_id	WV5584-012
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
ANTIMONY	4.11	U	
ARSENIC	3.45	U	
BARIUM	86		
BERYLLIUM	0.35	UL	C
CADMIUM	0.4	U	
CHROMIUM	1.01	U	
COBALT	1.2	B	A
COPPER	1.74	UL	C
LEAD	1.9	L	C
MERCURY	0.02	U	
MOLYBDENUM	2	U	
NICKEL	3.1		
SELENIUM	3.59	U	
SILVER	1.04	UL	C
THALLIUM	6.13	U	
VANADIUM	1.36	UL	C
ZINC	11	K	C

Parameter	Result	Val Qual	Qual Code
ANTIMONY	4.11	U	
ARSENIC	3.45	U	
BARIUM	85.1		
BERYLLIUM	0.35	UL	C
CADMIUM	0.4	U	
CHROMIUM	1.01	U	
COBALT	1.12	U	
COPPER	1.74	UL	C
LEAD	2.9	L	C
MERCURY	0.02	U	
MOLYBDENUM	2	U	
NICKEL	2.2		
SELENIUM	3.59	U	
SILVER	1.04	UL	C
THALLIUM	6.13	U	
VANADIUM	1.36	UL	C
ZINC	14.6	K	C

Parameter	Result	Val Qual	Qual Code
ANTIMONY	4.11	U	
ARSENIC	3.45	U	
BARIUM	90.2		
BERYLLIUM	0.35	UL	C
CADMIUM	0.4	U	
CHROMIUM	1.4	K	C
COBALT	1.4	B	A
COPPER	1.74	UL	C
LEAD	2.6	L	C
MERCURY	0.02	U	
MOLYBDENUM	2		
NICKEL	2.6		
SELENIUM	3.59	U	
SILVER	1.04	UL	C
THALLIUM	6.13	U	
VANADIUM	1.36	UL	C
ZINC	10.7	K	C

PROJ_NO: 00275

SDG: WV5584 MEDIA: WATER DATA FRACTION: M

nsample	SW-14-102005	nsample	SW-15-102005	nsample	SW-16-102005
samp_date	10/20/2005	samp_date	10/20/2005	samp_date	10/20/2005
lab_id	WV5584-014	lab_id	WV5584-016	lab_id	WV5584-018
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
ANTIMONY	4.11	U	
ARSENIC	3.45	U	
BARIUM	87.8		
BERYLLIUM	0.35	UL	C
CADMIUM	0.4	U	
CHROMIUM	1.01	U	
COBALT	1.5	B	A
COPPER	1.74	UL	C
LEAD	2.2	L	C
MERCURY	0.02	U	
MOLYBDENUM	2	U	
NICKEL	2.9		
SELENIUM	4	K	C
SILVER	1.04	UL	C
THALLIUM	6.13	U	
VANADIUM	1.36	UL	C
ZINC	10.2	K	C

Parameter	Result	Val Qual	Qual Code
ANTIMONY	4.11	U	
ARSENIC	3.45	U	
BARIUM	84.1		
BERYLLIUM	0.35	UL	C
CADMIUM	0.4	U	
CHROMIUM	1.9	K	C
COBALT	1.12	U	
COPPER	1.74	UL	C
LEAD	1.65	UL	C
MERCURY	0.02	U	
MOLYBDENUM	2	U	
NICKEL	2.5		
SELENIUM	3.59	U	
SILVER	1.04	UL	C
THALLIUM	6.13	U	
VANADIUM	1.36	UL	C
ZINC	10	K	C

Parameter	Result	Val Qual	Qual Code
ANTIMONY	4.2	K	C
ARSENIC	3.45	U	
BARIUM	82.9		
BERYLLIUM	0.35	UL	C
CADMIUM	0.4	U	
CHROMIUM	6	K	C
COBALT	1.2	B	A
COPPER	14	L	C
LEAD	5	L	C
MERCURY	0.02	U	
MOLYBDENUM	2	U	
NICKEL	7.5		
SELENIUM	3.59	U	
SILVER	1.04	UL	C
THALLIUM	6.13	U	
VANADIUM	1.36	UL	C
ZINC	21	K	C

PROJ_NO: 00275

SDG: WV5584 MEDIA: WATER DATA FRACTION: M

nsample	SW-17-102005
samp_date	10/20/2005
lab_id	WV5584-020
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANTIMONY	4.11	U	
ARSENIC	3.45	U	
BARIUM	77.4		
BERYLLIUM	0.35	UL	C
CADMIUM	0.4	U	
CHROMIUM	1.01	U	
COBALT	1.12	U	
COPPER	1.74	UL	C
LEAD	1.65	UL	C
MERCURY	0.02		
MOLYBDENUM	2	U	
NICKEL	3.8		
SELENIUM	3.59	UL	C
SILVER	1.04	UL	C
THALLIUM	6.13	U	
VANADIUM	1.36	UL	C
ZINC	11.1		

PROJ_NO: 00275

SDG: WV5584 MEDIA: WATER DATA FRACTION: MF

nsample	SW-08-102005	nsample	SW-09-102005	nsample	SW-10-102005
samp_date	10/20/2005	samp_date	10/20/2005	samp_date	10/20/2005
lab_id	WV5584-003	lab_id	WV5584-005	lab_id	WV5584-007
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
ANTIMONY	4.11	U	
ARSENIC	3.45	U	
BARIUM	83.2		
BERYLLIUM	0.35	UL	C
CADMIUM	0.4	U	
CHROMIUM	1.01	U	
COBALT	1.2	B	A
COPPER	1.74	UL	C
LEAD	1.65	UL	C
MERCURY	0.02	U	
MOLYBDENUM	2	U	
NICKEL	2.5		
SELENIUM	3.59	U	
SILVER	1.04	UL	C
THALLIUM	6.13	U	
VANADIUM	1.36	UL	C
ZINC	9.9	K	C

Parameter	Result	Val Qual	Qual Code
ANTIMONY	4.11	U	
ARSENIC	3.45	U	
BARIUM	83.7		
BERYLLIUM	0.35	UL	C
CADMIUM	0.4	U	
CHROMIUM	1.01	U	
COBALT	1.12	U	
COPPER	1.74	UL	C
LEAD	1.65	UL	C
MERCURY	0.02	U	
MOLYBDENUM	2	U	
NICKEL	2.8		
SELENIUM	3.59	U	
SILVER	1.04	UL	C
THALLIUM	6.13	U	
VANADIUM	1.36	UL	C
ZINC	11.2	K	C

Parameter	Result	Val Qual	Qual Code
ANTIMONY	4.11	U	
ARSENIC	3.5		
BARIUM	83		
BERYLLIUM	0.35	UL	C
CADMIUM	0.4	U	
CHROMIUM	1.01	U	
COBALT	1.12	U	
COPPER	1.74	UL	C
LEAD	1.65	UL	C
MERCURY	0.02	U	
MOLYBDENUM	2	U	
NICKEL	2.3		
SELENIUM	3.59	U	
SILVER	1.04	UL	C
THALLIUM	6.13	U	
VANADIUM	1.36	UL	C
ZINC	11.1	K	C

PROJ_NO: 00275

SDG: WV5584 MEDIA: WATER DATA FRACTION: MF

nsample	SW-11-102005	nsample	SW-12-102005	nsample	SW-13-102005
samp_date	10/20/2005	samp_date	10/20/2005	samp_date	10/20/2005
lab_id	WV5584-009	lab_id	WV5584-011	lab_id	WV5584-013
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
ANTIMONY	4.11	U	
ARSENIC	3.45	U	
BARIUM	79.9		
BERYLLIUM	0.35	UL	C
CADMIUM	0.4	U	
CHROMIUM	1.01	U	
COBALT	1.12	U	
COPPER	1.74	UL	C
LEAD	1.65	UL	C
MERCURY	0.02	U	
MOLYBDENUM	2	U	
NICKEL	2.3		
SELENIUM	3.59	U	
SILVER	1.04	UL	C
THALLIUM	6.13	U	
VANADIUM	1.36	UL	C
ZINC	11.8	K	C

Parameter	Result	Val Qual	Qual Code
ANTIMONY	4.11	U	
ARSENIC	3.45	U	
BARIUM	85.8		
BERYLLIUM	0.35	UL	C
CADMIUM	0.4	U	
CHROMIUM	1.01	U	
COBALT	1.12	U	
COPPER	1.74	UL	C
LEAD	1.65	UL	C
MERCURY	0.02	U	
MOLYBDENUM	2.3		
NICKEL	2.1		
SELENIUM	3.59	U	
SILVER	1.04	UL	C
THALLIUM	6.13	U	
VANADIUM	1.36	UL	C
ZINC	13.3	K	C

Parameter	Result	Val Qual	Qual Code
ANTIMONY	4.11	U	
ARSENIC	3.45	U	
BARIUM	86.7		
BERYLLIUM	0.35	UL	C
CADMIUM	0.4	U	
CHROMIUM	1.01	U	
COBALT	1.12	U	
COPPER	1.74	UL	C
LEAD	1.65	UL	C
MERCURY	0.02	U	
MOLYBDENUM	2.2		
NICKEL	2.5		
SELENIUM	3.59	U	
SILVER	1.04	UL	C
THALLIUM	6.13	U	
VANADIUM	1.36	UL	C
ZINC	14.2	K	C

PROJ_NO: 00275

SDG: WV5584 MEDIA: WATER DATA FRACTION: MF

nsample	SW-14-102005	nsample	SW-15-102005	nsample	SW-16-102005
samp_date	10/20/2005	samp_date	10/20/2005	samp_date	10/20/2005
lab_id	WV5584-015	lab_id	WV5584-017	lab_id	WV5584-019
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
ANTIMONY	4.11	U	
ARSENIC	3.45	U	
BARIUM	85		
BERYLLIUM	0.35	UL	C
CADMIUM	0.4	U	
CHROMIUM	1.01	U	
COBALT	1.12	U	
COPPER	1.74	UL	C
LEAD	1.7	L	C
MERCURY	0.02	U	
MOLYBDENUM	2	U	
NICKEL	2		
SELENIUM	3.59	U	
SILVER	1.04	UL	C
THALLIUM	6.13	U	
VANADIUM	1.36	UL	C
ZINC	17	K	C

Parameter	Result	Val Qual	Qual Code
ANTIMONY	4.11	U	
ARSENIC	3.45	U	
BARIUM	87		
BERYLLIUM	0.35	UL	C
CADMIUM	0.4	U	
CHROMIUM	1.6	K	C
COBALT	1.12	U	
COPPER	1.74	UL	C
LEAD	1.65	UL	C
MERCURY	0.02	U	
MOLYBDENUM	2	U	
NICKEL	2.8		
SELENIUM	3.59	U	
SILVER	1.04	UL	C
THALLIUM	6.13	U	
VANADIUM	1.36	UL	C
ZINC	17.4	K	C

Parameter	Result	Val Qual	Qual Code
ANTIMONY	4.11	U	
ARSENIC	3.45	U	
BARIUM	85.8		
BERYLLIUM	0.35	UL	C
CADMIUM	0.4	U	
CHROMIUM	1.01	U	
COBALT	1.12	U	
COPPER	1.74	UL	C
LEAD	1.65	UL	C
MERCURY	0.02	U	
MOLYBDENUM	2	U	
NICKEL	1.53	U	
SELENIUM	3.59	U	
SILVER	1.04	UL	C
THALLIUM	6.13	U	
VANADIUM	1.36	UL	C
ZINC	16	K	C

PROJ_NO: 00275

SDG: WV5584 MEDIA: WATER DATA FRACTION: MF

nsample	SW-17-102005
samp_date	10/20/2005
lab_id	WV5584-021R
qc_type	NM
units	UG/L
Pct_Solids	0.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ANTIMONY	4.11	U	
ARSENIC	3.6		
BARIUM	81.1		
BERYLLIUM	0.35	U	
CADMIUM	0.56	B	A
CHROMIUM	1.4	K	C
COBALT	2.3	B	A
COPPER	1.74	UL	C
LEAD	1.65	UL	C
MERCURY	0.02	U	
MOLYBDENUM	2.5		
NICKEL	2.9		
SELENIUM	3.59	U	
SILVER	1.04	U	
THALLIUM	6.13	U	
VANADIUM	1.36	UL	C
ZINC	9.1	K	C

PROJ_NO: 00275

SDG: WV5584 MEDIA: WATER DATA FRACTION: MISC

nsample	SW-08-102005
samp_date	10/20/2005
lab_id	WV5584-2
qc_type	NM
Pct_Solids	0.0
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
HEXAVALENT CHROMIUM	MG/L	0.025	U	

nsample	SW-09-102005
samp_date	10/20/2005
lab_id	WV5584-4
qc_type	NM
Pct_Solids	0.0
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
HEXAVALENT CHROMIUM	MG/L	0.025	U	

nsample	SW-10-102005
samp_date	10/20/2005
lab_id	WV5584-6
qc_type	NM
Pct_Solids	0.0
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
HEXAVALENT CHROMIUM	MG/L	0.025	U	

PROJ_NO: 00275

SDG: WV5584 MEDIA: WATER DATA FRACTION: MISC

nsample	SW-11-102005
samp_date	10/20/2005
lab_id	WV5584-8
qc_type	NM
Pct_Solids	0.0
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
HEXAVALENT CHROMIUM	MG/L	0.025	U	

nsample	SW-12-102005
samp_date	10/20/2005
lab_id	WV5584-10
qc_type	NM
Pct_Solids	0.0
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
HEXAVALENT CHROMIUM	MG/L	0.025	U	

nsample	SW-13-102005
samp_date	10/20/2005
lab_id	WV5584-12
qc_type	NM
Pct_Solids	0.0
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
HEXAVALENT CHROMIUM	MG/L	0.025	U	

PROJ_NO: 00275

SDG: WV5584 MEDIA: WATER DATA FRACTION: MISC

nsample	SW-14-102005
samp_date	10/20/2005
lab_id	WV5584-14
qc_type	NM
Pct_Solids	0.0
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
HEXAVALENT CHROMIUM	MG/L	0.025	U	

nsample	SW-15-102005
samp_date	10/20/2005
lab_id	WV5584-16
qc_type	NM
Pct_Solids	0.0
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
HEXAVALENT CHROMIUM	MG/L	0.025	U	

nsample	SW-16-102005
samp_date	10/20/2005
lab_id	WV5584-18
qc_type	NM
Pct_Solids	0.0
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
HEXAVALENT CHROMIUM	MG/L	0.025	U	

PROJ_NO: 00275

SDG: WV5584 MEDIA: WATER DATA FRACTION: MISC

nsample	SW-17-102005
samp_date	10/20/2005
lab_id	WV5584-20
qc_type	NM
Pct_Solids	0.0
DUP_OF:	

Parameter	units	Result	Val Qual	Qual Code
HEXAVALENT CHROMIUM	MG/L	0.025	U	

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SW-08-102005

Matrix: WATER **SDG Name:** WV5584

Percent Solids: 0.00 **Lab Sample ID:** WV5584-002

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-36-0	ANTIMONY, TOTAL	5.2	B		P	1	8.0	4.11
7440-38-2	ARSENIC, TOTAL	3.45	U		P	1	8.0	3.45
7440-39-3	BARIUM, TOTAL	85.0			P	1	5.0	0.27
7440-41-7	BERYLLIUM, TOTAL	0.35	U		P	1	5.0	0.35
7440-43-9	CADMIUM, TOTAL	0.40	U		P	1	10	0.40
7440-47-3	CHROMIUM, TOTAL	1.01	U		P	1	15	1.01
7440-48-4	COBALT, TOTAL	1.12	U		P	1	30	1.12
7440-50-8	COPPER, TOTAL	1.74	U		P	1	25	1.74
7439-92-1	LEAD, TOTAL	2.4	B		P	1	5.0	1.65
7439-97-6	MERCURY, TOTAL	0.02	U		CV	1	0.20	0.02
7439-98-7	MOLYBDENUM, TOTAL	2.00	U		P	1	100	2.00
7440-02-0	NICKEL, TOTAL	1.7	B		P	1	40	1.53
7782-49-2	SELENIUM, TOTAL	3.59	U		P	1	10	3.59
7440-22-4	SILVER, TOTAL	1.04	U		P	1	15	1.04
7440-28-0	THALLIUM, TOTAL	6.13	U		P	1	15	6.13
7440-62-2	VANADIUM, TOTAL	1.36	U		P	1	25	1.36
7440-66-6	ZINC, TOTAL	12.0	B		P	1	25	0.59

Color Before: N/A Clarity Before: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SW-09-102005

Matrix: WATER **SDG Name:** WV5584

Percent Solids: 0.00 **Lab Sample ID:** WV5584-004

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-36-0	ANTIMONY, TOTAL	4.11	U		P	1	8.0	4.11
7440-38-2	ARSENIC, TOTAL	3.45	U		P	1	8.0	3.45
7440-39-3	BARIUM, TOTAL	84.4			P	1	5.0	0.27
7440-41-7	BERYLLIUM, TOTAL	0.35	U		P	1	5.0	0.35
7440-43-9	CADMIUM, TOTAL	0.40	U		P	1	10	0.40
7440-47-3	CHROMIUM, TOTAL	1.01	U		P	1	15	1.01
7440-48-4	COBALT, TOTAL	1.3	B		P	1	30	1.12
7440-50-8	COPPER, TOTAL	1.74	U		P	1	25	1.74
7439-92-1	LEAD, TOTAL	1.65	U		P	1	5.0	1.65
7439-97-6	MERCURY, TOTAL	0.02	U		CV	1	0.20	0.02
7439-98-7	MOLYBDENUM, TOTAL	2.00	U		P	1	100	2.00
7440-02-0	NICKEL, TOTAL	2.4	B		P	1	40	1.53
7782-49-2	SELENIUM, TOTAL	3.59	U		P	1	10	3.59
7440-22-4	SILVER, TOTAL	1.04	U		P	1	15	1.04
7440-28-0	THALLIUM, TOTAL	6.13	U		P	1	15	6.13
7440-62-2	VANADIUM, TOTAL	1.36	U		P	1	25	1.36
7440-66-6	ZINC, TOTAL	9.1	B		P	1	25	0.59

Color Before: N/A Clarity Before: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SW-10-102005

Matrix: WATER **SDG Name:** WV5584

Percent Solids: 0.00 **Lab Sample ID:** WV5584-006

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-36-0	ANTIMONY, TOTAL	4.11	U		P	1	8.0	4.11
7440-38-2	ARSENIC, TOTAL	3.45	U		P	1	8.0	3.45
7440-39-3	BARIUM, TOTAL	86.2			P	1	5.0	0.27
7440-41-7	BERYLLIUM, TOTAL	0.35	U		P	1	5.0	0.35
7440-43-9	CADMIUM, TOTAL	0.40	U		P	1	10	0.40
7440-47-3	CHROMIUM, TOTAL	1.5	B		P	1	15	1.01
7440-48-4	COBALT, TOTAL	1.2	B		P	1	30	1.12
7440-50-8	COPPER, TOTAL	1.74	U		P	1	25	1.74
7439-92-1	LEAD, TOTAL	1.65	U		P	1	5.0	1.65
7439-97-6	MERCURY, TOTAL	0.02	U		CV	1	0.20	0.02
7439-98-7	MOLYBDENUM, TOTAL	2.00	U		P	1	100	2.00
7440-02-0	NICKEL, TOTAL	3.4	B		P	1	40	1.53
7782-49-2	SELENIUM, TOTAL	3.59	U		P	1	10	3.59
7440-22-4	SILVER, TOTAL	1.04	U		P	1	15	1.04
7440-28-0	THALLIUM, TOTAL	6.13	U		P	1	15	6.13
7440-62-2	VANADIUM, TOTAL	1.36	U		P	1	25	1.36
7440-66-6	ZINC, TOTAL	10.5	B		P	1	25	0.59

Color Before: N/A Clarity Before: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SW-11-102005

Matrix: WATER **SDG Name:** WV5584

Percent Solids: 0.00 **Lab Sample ID:** WV5584-008

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-36-0	ANTIMONY, TOTAL	4.11	U		P	1	8.0	4.11
7440-38-2	ARSENIC, TOTAL	3.45	U		P	1	8.0	3.45
7440-39-3	BARIUM, TOTAL	86.0			P	1	5.0	0.27
7440-41-7	BERYLLIUM, TOTAL	0.35	U		P	1	5.0	0.35
7440-43-9	CADMIUM, TOTAL	0.40	U		P	1	10	0.40
7440-47-3	CHROMIUM, TOTAL	1.01	U		P	1	15	1.01
7440-48-4	COBALT, TOTAL	1.2	B		P	1	30	1.12
7440-50-8	COPPER, TOTAL	1.74	U		P	1	25	1.74
7439-92-1	LEAD, TOTAL	1.9	B		P	1	5.0	1.65
7439-97-6	MERCURY, TOTAL	0.02	U		CV	1	0.20	0.02
7439-98-7	MOLYBDENUM, TOTAL	2.00	U		P	1	100	2.00
7440-02-0	NICKEL, TOTAL	3.1	B		P	1	40	1.53
7782-49-2	SELENIUM, TOTAL	3.59	U		P	1	10	3.59
7440-22-4	SILVER, TOTAL	1.04	U		P	1	15	1.04
7440-28-0	THALLIUM, TOTAL	6.13	U		P	1	15	6.13
7440-62-2	VANADIUM, TOTAL	1.36	U		P	1	25	1.36
7440-66-6	ZINC, TOTAL	11.0	B		P	1	25	0.59

Color Before: N/A Clarity Before: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SW-12-102005

Matrix: WATER **SDG Name:** WV5584

Percent Solids: 0.00 **Lab Sample ID:** WV5584-010

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-36-0	ANTIMONY, TOTAL	4.11	U		P	1	8.0	4.11
7440-38-2	ARSENIC, TOTAL	3.45	U		P	1	8.0	3.45
7440-39-3	BARIUM, TOTAL	85.1			P	1	5.0	0.27
7440-41-7	BERYLLIUM, TOTAL	0.35	U		P	1	5.0	0.35
7440-43-9	CADMIUM, TOTAL	0.40	U		P	1	10	0.40
7440-47-3	CHROMIUM, TOTAL	1.01	U		P	1	15	1.01
7440-48-4	COBALT, TOTAL	1.12	U		P	1	30	1.12
7440-50-8	COPPER, TOTAL	1.74	U		P	1	25	1.74
7439-92-1	LEAD, TOTAL	2.9	B		P	1	5.0	1.65
7439-97-6	MERCURY, TOTAL	0.02	U		CV	1	0.20	0.02
7439-98-7	MOLYBDENUM, TOTAL	2.00	U		P	1	100	2.00
7440-02-0	NICKEL, TOTAL	2.2	B		P	1	40	1.53
7782-49-2	SELENIUM, TOTAL	3.59	U		P	1	10	3.59
7440-22-4	SILVER, TOTAL	1.04	U		P	1	15	1.04
7440-28-0	THALLIUM, TOTAL	6.13	U		P	1	15	6.13
7440-62-2	VANADIUM, TOTAL	1.36	U		P	1	25	1.36
7440-66-6	ZINC, TOTAL	14.6	B		P	1	25	0.59

Color Before: N/A Clarity Before: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SW-13-102005

Matrix: WATER **SDG Name:** WV5584

Percent Solids: 0.00 **Lab Sample ID:** WV5584-012

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-36-0	ANTIMONY, TOTAL	4.11	U		P	1	8.0	4.11
7440-38-2	ARSENIC, TOTAL	3.45	U		P	1	8.0	3.45
7440-39-3	BARIUM, TOTAL	90.2			P	1	5.0	0.27
7440-41-7	BERYLLIUM, TOTAL	0.35	U		P	1	5.0	0.35
7440-43-9	CADMIUM, TOTAL	0.40	U		P	1	10	0.40
7440-47-3	CHROMIUM, TOTAL	1.4	B		P	1	15	1.01
7440-48-4	COBALT, TOTAL	1.4	B		P	1	30	1.12
7440-50-8	COPPER, TOTAL	1.74	U		P	1	25	1.74
7439-92-1	LEAD, TOTAL	2.6	B		P	1	5.0	1.65
7439-97-6	MERCURY, TOTAL	0.02	U		CV	1	0.20	0.02
7439-98-7	MOLYBDENUM, TOTAL	2.0	B		P	1	100	2.00
7440-02-0	NICKEL, TOTAL	2.6	B		P	1	40	1.53
7782-49-2	SELENIUM, TOTAL	3.59	U		P	1	10	3.59
7440-22-4	SILVER, TOTAL	1.04	U		P	1	15	1.04
7440-28-0	THALLIUM, TOTAL	6.13	U		P	1	15	6.13
7440-62-2	VANADIUM, TOTAL	1.36	U		P	1	25	1.36
7440-66-6	ZINC, TOTAL	10.7	B		P	1	25	0.59

Color Before: N/A Clarity Before: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SW-14-102005

Matrix: WATER **SDG Name:** WV5584

Percent Solids: 0.00 **Lab Sample ID:** WV5584-014

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-36-0	ANTIMONY, TOTAL	4.11	U		P	1	8.0	4.11
7440-38-2	ARSENIC, TOTAL	3.45	U		P	1	8.0	3.45
7440-39-3	BARIUM, TOTAL	87.8			P	1	5.0	0.27
7440-41-7	BERYLLIUM, TOTAL	0.35	U		P	1	5.0	0.35
7440-43-9	CADMIUM, TOTAL	0.40	U		P	1	10	0.40
7440-47-3	CHROMIUM, TOTAL	1.01	U		P	1	15	1.01
7440-48-4	COBALT, TOTAL	1.5	B		P	1	30	1.12
7440-50-8	COPPER, TOTAL	1.74	U		P	1	25	1.74
7439-92-1	LEAD, TOTAL	2.2	B		P	1	5.0	1.65
7439-97-6	MERCURY, TOTAL	0.02	U		CV	1	0.20	0.02
7439-98-7	MOLYBDENUM, TOTAL	2.00	U		P	1	100	2.00
7440-02-0	NICKEL, TOTAL	2.9	B		P	1	40	1.53
7782-49-2	SELENIUM, TOTAL	4.0	B		P	1	10	3.59
7440-22-4	SILVER, TOTAL	1.04	U		P	1	15	1.04
7440-28-0	THALLIUM, TOTAL	6.13	U		P	1	15	6.13
7440-62-2	VANADIUM, TOTAL	1.36	U		P	1	25	1.36
7440-66-6	ZINC, TOTAL	10.2	B		P	1	25	0.59

Color Before: N/A Clarity Before: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SW-15-102005

Matrix: WATER **SDG Name:** WV5584

Percent Solids: 0.00 **Lab Sample ID:** WV5584-016

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-36-0	ANTIMONY, TOTAL	4.11	U		P	1	8.0	4.11
7440-38-2	ARSENIC, TOTAL	3.45	U		P	1	8.0	3.45
7440-39-3	BARIUM, TOTAL	84.1			P	1	5.0	0.27
7440-41-7	BERYLLIUM, TOTAL	0.35	U		P	1	5.0	0.35
7440-43-9	CADMIUM, TOTAL	0.40	U		P	1	10	0.40
7440-47-3	CHROMIUM, TOTAL	1.9	B		P	1	15	1.01
7440-48-4	COBALT, TOTAL	1.12	U		P	1	30	1.12
7440-50-8	COPPER, TOTAL	1.74	U		P	1	25	1.74
7439-92-1	LEAD, TOTAL	1.65	U		P	1	5.0	1.65
7439-97-6	MERCURY, TOTAL	0.02	U		CV	1	0.20	0.02
7439-98-7	MOLYBDENUM, TOTAL	2.00	U		P	1	100	2.00
7440-02-0	NICKEL, TOTAL	2.5	B		P	1	40	1.53
7782-49-2	SELENIUM, TOTAL	3.59	U		P	1	10	3.59
7440-22-4	SILVER, TOTAL	1.04	U		P	1	15	1.04
7440-28-0	THALLIUM, TOTAL	6.13	U		P	1	15	6.13
7440-62-2	VANADIUM, TOTAL	1.36	U		P	1	25	1.36
7440-66-6	ZINC, TOTAL	10	B		P	1	25	0.59

Color Before: N/A Clarity Before: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SW-16-102005

Matrix: WATER **SDG Name:** WV5584

Percent Solids: 0.00 **Lab Sample ID:** WV5584-018

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-36-0	ANTIMONY, TOTAL	4.2	B		P	1	8.0	4.11
7440-38-2	ARSENIC, TOTAL	3.45	U		P	1	8.0	3.45
7440-39-3	BARIUM, TOTAL	82.9			P	1	5.0	0.27
7440-41-7	BERYLLIUM, TOTAL	0.35	U		P	1	5.0	0.35
7440-43-9	CADMIUM, TOTAL	0.40	U		P	1	10	0.40
7440-47-3	CHROMIUM, TOTAL	6.0	B		P	1	15	1.01
7440-48-4	COBALT, TOTAL	1.2	B		P	1	30	1.12
7440-50-8	COPPER, TOTAL	14.0	B		P	1	25	1.74
7439-92-1	LEAD, TOTAL	5.0			P	1	5.0	1.65
7439-97-6	MERCURY, TOTAL	0.02	U		CV	1	0.20	0.02
7439-98-7	MOLYBDENUM, TOTAL	2.00	U		P	1	100	2.00
7440-02-0	NICKEL, TOTAL	7.5	B		P	1	40	1.53
7782-49-2	SELENIUM, TOTAL	3.59	U		P	1	10	3.59
7440-22-4	SILVER, TOTAL	1.04	U		P	1	15	1.04
7440-28-0	THALLIUM, TOTAL	6.13	U		P	1	15	6.13
7440-62-2	VANADIUM, TOTAL	1.36	U		P	1	25	1.36
7440-66-6	ZINC, TOTAL	21.0	B		P	1	25	0.59

Color Before: N/A Clarity Before: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SW-17-102005

Matrix: WATER **SDG Name:** WV5584

Percent Solids: 0.00 **Lab Sample ID:** WV5584-020

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-36-0	ANTIMONY, TOTAL	4.11	U		P	1	8.0	4.11
7440-38-2	ARSENIC, TOTAL	3.45	U		P	1	8.0	3.45
7440-39-3	BARIUM, TOTAL	77.4			P	1	5.0	0.27
7440-41-7	BERYLLIUM, TOTAL	0.35	U		P	1	5.0	0.35
7440-43-9	CADMIUM, TOTAL	0.40	U		P	1	10	0.40
7440-47-3	CHROMIUM, TOTAL	1.01	U		P	1	15	1.01
7440-48-4	COBALT, TOTAL	1.12	U		P	1	30	1.12
7440-50-8	COPPER, TOTAL	1.74	U		P	1	25	1.74
7439-92-1	LEAD, TOTAL	1.65	U		P	1	5.0	1.65
7439-97-6	MERCURY, TOTAL	0.02	B		CV	1	0.20	0.02
7439-98-7	MOLYBDENUM, TOTAL	2.00	U		P	1	100	2.00
7440-02-0	NICKEL, TOTAL	3.8	B		P	1	40	1.53
7782-49-2	SELENIUM, TOTAL	3.59	U		P	1	10	3.59
7440-22-4	SILVER, TOTAL	1.04	U		P	1	15	1.04
7440-28-0	THALLIUM, TOTAL	6.13	U		P	1	15	6.13
7440-62-2	VANADIUM, TOTAL	1.36	U		P	1	25	1.36
7440-66-6	ZINC, TOTAL	11.1	B		P	1	25	0.59

Color Before: N/A Clarity Before: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SW-08-102005

Matrix: WATER **SDG Name:** WV5584

Percent Solids: 0.00 **Lab Sample ID:** WV5584-003

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-36-0	ANTIMONY, DISSOLVED	4.11	U		P	1	8.0	4.11
7440-38-2	ARSENIC, DISSOLVED	3.45	U		P	1	8.0	3.45
7440-39-3	BARIUM, DISSOLVED	83.2			P	1	5.0	0.27
7440-41-7	BERYLLIUM, DISSOLVED	0.35	U		P	1	5.0	0.35
7440-43-9	CADMIUM, DISSOLVED	0.40	U		P	1	10	0.40
7440-47-3	CHROMIUM, DISSOLVED	1.01	U		P	1	15	1.01
7440-48-4	COBALT, DISSOLVED	1.2	B		P	1	30	1.12
7440-50-8	COPPER, DISSOLVED	1.74	U		P	1	25	1.74
7439-92-1	LEAD, DISSOLVED	1.65	U		P	1	5.0	1.65
7439-97-6	MERCURY, DISSOLVED	0.02	U		CV	1	0.20	0.02
7439-98-7	MOLYBDENUM, DISSOLVED	2.00	U		P	1	100	2.00
7440-02-0	NICKEL, DISSOLVED	2.5	B		P	1	40	1.53
7782-49-2	SELENIUM, DISSOLVED	3.59	U		P	1	10	3.59
7440-22-4	SILVER, DISSOLVED	1.04	U		P	1	15	1.04
7440-28-0	THALLIUM, DISSOLVED	6.13	U		P	1	15	6.13
7440-62-2	VANADIUM, DISSOLVED	1.36	U		P	1	25	1.36
7440-66-6	ZINC, DISSOLVED	9.9	B		P	1	25	0.59

Color Before: N/A Clarity Before: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SW-09-102005

Matrix: WATER **SDG Name:** WV5584

Percent Solids: 0.00 **Lab Sample ID:** WV5584-005

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-36-0	ANTIMONY, DISSOLVED	4.11	U		P	1	8.0	4.11
7440-38-2	ARSENIC, DISSOLVED	3.45	U		P	1	8.0	3.45
7440-39-3	BARIUM, DISSOLVED	83.7			P	1	5.0	0.27
7440-41-7	BERYLLIUM, DISSOLVED	0.35	U		P	1	5.0	0.35
7440-43-9	CADMIUM, DISSOLVED	0.40	U		P	1	10	0.40
7440-47-3	CHROMIUM, DISSOLVED	1.01	U		P	1	15	1.01
7440-48-4	COBALT, DISSOLVED	1.12	U		P	1	30	1.12
7440-50-8	COPPER, DISSOLVED	1.74	U		P	1	25	1.74
7439-92-1	LEAD, DISSOLVED	1.65	U		P	1	5.0	1.65
7439-97-6	MERCURY, DISSOLVED	0.02	U		CV	1	0.20	0.02
7439-98-7	MOLYBDENUM, DISSOLVED	2.00	U		P	1	100	2.00
7440-02-0	NICKEL, DISSOLVED	2.8	B		P	1	40	1.53
7782-49-2	SELENIUM, DISSOLVED	3.59	U		P	1	10	3.59
7440-22-4	SILVER, DISSOLVED	1.04	U		P	1	15	1.04
7440-28-0	THALLIUM, DISSOLVED	6.13	U		P	1	15	6.13
7440-62-2	VANADIUM, DISSOLVED	1.36	U		P	1	25	1.36
7440-66-6	ZINC, DISSOLVED	11.2	B		P	1	25	0.59

Color Before: N/A Clarity Before: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SW-10-102005

Matrix: WATER **SDG Name:** WV5584

Percent Solids: 0.00 **Lab Sample ID:** WV5584-007

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-36-0	ANTIMONY, DISSOLVED	4.11	U		P	1	8.0	4.11
7440-38-2	ARSENIC, DISSOLVED	3.5	B		P	1	8.0	3.45
7440-39-3	BARIUM, DISSOLVED	83.0			P	1	5.0	0.27
7440-41-7	BERYLLIUM, DISSOLVED	0.35	U		P	1	5.0	0.35
7440-43-9	CADMIUM, DISSOLVED	0.40	U		P	1	10	0.40
7440-47-3	CHROMIUM, DISSOLVED	1.01	U		P	1	15	1.01
7440-48-4	COBALT, DISSOLVED	1.12	U		P	1	30	1.12
7440-50-8	COPPER, DISSOLVED	1.74	U		P	1	25	1.74
7439-92-1	LEAD, DISSOLVED	1.65	U		P	1	5.0	1.65
7439-97-6	MERCURY, DISSOLVED	0.02	U		CV	1	0.20	0.02
7439-98-7	MOLYBDENUM, DISSOLVED	2.00	U		P	1	100	2.00
7440-02-0	NICKEL, DISSOLVED	2.3	B		P	1	40	1.53
7782-49-2	SELENIUM, DISSOLVED	3.59	U		P	1	10	3.59
7440-22-4	SILVER, DISSOLVED	1.04	U		P	1	15	1.04
7440-28-0	THALLIUM, DISSOLVED	6.13	U		P	1	15	6.13
7440-62-2	VANADIUM, DISSOLVED	1.36	U		P	1	25	1.36
7440-66-6	ZINC, DISSOLVED	11.1	B		P	1	25	0.59

Color Before: N/A Clarity Before: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SW-11-102005

Matrix: WATER **SDG Name:** WV5584

Percent Solids: 0.00 **Lab Sample ID:** WV5584-009

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-36-0	ANTIMONY, DISSOLVED	4.11	U		P	1	8.0	4.11
7440-38-2	ARSENIC, DISSOLVED	3.45	U		P	1	8.0	3.45
7440-39-3	BARIUM, DISSOLVED	79.9			P	1	5.0	0.27
7440-41-7	BERYLLIUM, DISSOLVED	0.35	U		P	1	5.0	0.35
7440-43-9	CADMIUM, DISSOLVED	0.40	U		P	1	10	0.40
7440-47-3	CHROMIUM, DISSOLVED	1.01	U		P	1	15	1.01
7440-48-4	COBALT, DISSOLVED	1.12	U		P	1	30	1.12
7440-50-8	COPPER, DISSOLVED	1.74	U		P	1	25	1.74
7439-92-1	LEAD, DISSOLVED	1.65	U		P	1	5.0	1.65
7439-97-6	MERCURY, DISSOLVED	0.02	U		CV	1	0.20	0.02
7439-98-7	MOLYBDENUM, DISSOLVED	2.00	U		P	1	100	2.00
7440-02-0	NICKEL, DISSOLVED	2.3	B		P	1	40	1.53
7782-49-2	SELENIUM, DISSOLVED	3.59	U		P	1	10	3.59
7440-22-4	SILVER, DISSOLVED	1.04	U		P	1	15	1.04
7440-28-0	THALLIUM, DISSOLVED	6.13	U		P	1	15	6.13
7440-62-2	VANADIUM, DISSOLVED	1.36	U		P	1	25	1.36
7440-66-6	ZINC, DISSOLVED	11.8	B		P	1	25	0.59

Color Before: N/A Clarity Before: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SW-12-102005

Matrix: WATER **SDG Name:** WV5584

Percent Solids: 0.00 **Lab Sample ID:** WV5584-011

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-36-0	ANTIMONY, DISSOLVED	4.11	U		P	1	8.0	4.11
7440-38-2	ARSENIC, DISSOLVED	3.45	U		P	1	8.0	3.45
7440-39-3	BARIUM, DISSOLVED	85.8			P	1	5.0	0.27
7440-41-7	BERYLLIUM, DISSOLVED	0.35	U		P	1	5.0	0.35
7440-43-9	CADMIUM, DISSOLVED	0.40	U		P	1	10	0.40
7440-47-3	CHROMIUM, DISSOLVED	1.01	U		P	1	15	1.01
7440-48-4	COBALT, DISSOLVED	1.12	U		P	1	30	1.12
7440-50-8	COPPER, DISSOLVED	1.74	U		P	1	25	1.74
7439-92-1	LEAD, DISSOLVED	1.65	U		P	1	5.0	1.65
7439-97-6	MERCURY, DISSOLVED	0.02	U		CV	1	0.20	0.02
7439-98-7	MOLYBDENUM, DISSOLVED	2.3	B		P	1	100	2.00
7440-02-0	NICKEL, DISSOLVED	2.1	B		P	1	40	1.53
7782-49-2	SELENIUM, DISSOLVED	3.59	U		P	1	10	3.59
7440-22-4	SILVER, DISSOLVED	1.04	U		P	1	15	1.04
7440-28-0	THALLIUM, DISSOLVED	6.13	U		P	1	15	6.13
7440-62-2	VANADIUM, DISSOLVED	1.36	U		P	1	25	1.36
7440-66-6	ZINC, DISSOLVED	13.3	B		P	1	25	0.59

Color Before: N/A Clarity Before: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SW-13-102005

Matrix: WATER **SDG Name:** WV5584

Percent Solids: 0.00 **Lab Sample ID:** WV5584-013

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-36-0	ANTIMONY, DISSOLVED	4.11	U		P	1	8.0	4.11
7440-38-2	ARSENIC, DISSOLVED	3.45	U		P	1	8.0	3.45
7440-39-3	BARIUM, DISSOLVED	86.7			P	1	5.0	0.27
7440-41-7	BERYLLIUM, DISSOLVED	0.35	U		P	1	5.0	0.35
7440-43-9	CADMIUM, DISSOLVED	0.40	U		P	1	10	0.40
7440-47-3	CHROMIUM, DISSOLVED	1.01	U		P	1	15	1.01
7440-48-4	COBALT, DISSOLVED	1.12	U		P	1	30	1.12
7440-50-8	COPPER, DISSOLVED	1.74	U		P	1	25	1.74
7439-92-1	LEAD, DISSOLVED	1.65	U		P	1	5.0	1.65
7439-97-6	MERCURY, DISSOLVED	0.02	U		CV	1	0.20	0.02
7439-98-7	MOLYBDENUM, DISSOLVED	2.2	B		P	1	100	2.00
7440-02-0	NICKEL, DISSOLVED	2.5	B		P	1	40	1.53
7782-49-2	SELENIUM, DISSOLVED	3.59	U		P	1	10	3.59
7440-22-4	SILVER, DISSOLVED	1.04	U		P	1	15	1.04
7440-28-0	THALLIUM, DISSOLVED	6.13	U		P	1	15	6.13
7440-62-2	VANADIUM, DISSOLVED	1.36	U		P	1	25	1.36
7440-66-6	ZINC, DISSOLVED	14.2	B		P	1	25	0.59

Color Before: N/A Clarity Before: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SW-14-102005

Matrix: WATER **SDG Name:** WV5584

Percent Solids: 0.00 **Lab Sample ID:** WV5584-015

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-36-0	ANTIMONY, DISSOLVED	4.11	U		P	1	8.0	4.11
7440-38-2	ARSENIC, DISSOLVED	3.45	U		P	1	8.0	3.45
7440-39-3	BARIUM, DISSOLVED	85.0			P	1	5.0	0.27
7440-41-7	BERYLLIUM, DISSOLVED	0.35	U		P	1	5.0	0.35
7440-43-9	CADMIUM, DISSOLVED	0.40	U		P	1	10	0.40
7440-47-3	CHROMIUM, DISSOLVED	1.01	U		P	1	15	1.01
7440-48-4	COBALT, DISSOLVED	1.12	U		P	1	30	1.12
7440-50-8	COPPER, DISSOLVED	1.74	U		P	1	25	1.74
7439-92-1	LEAD, DISSOLVED	1.7	B		P	1	5.0	1.65
7439-97-6	MERCURY, DISSOLVED	0.02	U		CV	1	0.20	0.02
7439-98-7	MOLYBDENUM, DISSOLVED	2.00	U		P	1	100	2.00
7440-02-0	NICKEL, DISSOLVED	2.0	B		P	1	40	1.53
7782-49-2	SELENIUM, DISSOLVED	3.59	U		P	1	10	3.59
7440-22-4	SILVER, DISSOLVED	1.04	U		P	1	15	1.04
7440-28-0	THALLIUM, DISSOLVED	6.13	U		P	1	15	6.13
7440-62-2	VANADIUM, DISSOLVED	1.36	U		P	1	25	1.36
7440-66-6	ZINC, DISSOLVED	17.0	B		P	1	25	0.59

Color Before: N/A Clarity Before: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SW-15-102005

Matrix: WATER **SDG Name:** WV5584

Percent Solids: 0.00 **Lab Sample ID:** WV5584-017

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-36-0	ANTIMONY, DISSOLVED	4.11	U		P	1	8.0	4.11
7440-38-2	ARSENIC, DISSOLVED	3.45	U		P	1	8.0	3.45
7440-39-3	BARIUM, DISSOLVED	87.0			P	1	5.0	0.27
7440-41-7	BERYLLIUM, DISSOLVED	0.35	U		P	1	5.0	0.35
7440-43-9	CADMIUM, DISSOLVED	0.40	U		P	1	10	0.40
7440-47-3	CHROMIUM, DISSOLVED	1.6	B		P	1	15	1.01
7440-48-4	COBALT, DISSOLVED	1.12	U		P	1	30	1.12
7440-50-8	COPPER, DISSOLVED	1.74	U		P	1	25	1.74
7439-92-1	LEAD, DISSOLVED	1.65	U		P	1	5.0	1.65
7439-97-6	MERCURY, DISSOLVED	0.02	U		CV	1	0.20	0.02
7439-98-7	MOLYBDENUM, DISSOLVED	2.00	U		P	1	100	2.00
7440-02-0	NICKEL, DISSOLVED	2.8	B		P	1	40	1.53
7782-49-2	SELENIUM, DISSOLVED	3.59	U		P	1	10	3.59
7440-22-4	SILVER, DISSOLVED	1.04	U		P	1	15	1.04
7440-28-0	THALLIUM, DISSOLVED	6.13	U		P	1	15	6.13
7440-62-2	VANADIUM, DISSOLVED	1.36	U		P	1	25	1.36
7440-66-6	ZINC, DISSOLVED	17.4	B		P	1	25	0.59

Color Before: N/A Clarity Before: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SW-16-102005

Matrix: WATER **SDG Name:** WV5584

Percent Solids: 0.00 **Lab Sample ID:** WV5584-019

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-36-0	ANTIMONY, DISSOLVED	4.11	U		P	1	8.0	4.11
7440-38-2	ARSENIC, DISSOLVED	3.45	U		P	1	8.0	3.45
7440-39-3	BARIUM, DISSOLVED	85.8			P	1	5.0	0.27
7440-41-7	BERYLLIUM, DISSOLVED	0.35	U		P	1	5.0	0.35
7440-43-9	CADMIUM, DISSOLVED	0.40	U		P	1	10	0.40
7440-47-3	CHROMIUM, DISSOLVED	1.01	U		P	1	15	1.01
7440-48-4	COBALT, DISSOLVED	1.12	U		P	1	30	1.12
7440-50-8	COPPER, DISSOLVED	1.74	U		P	1	25	1.74
7439-92-1	LEAD, DISSOLVED	1.65	U		P	1	5.0	1.65
7439-97-6	MERCURY, DISSOLVED	0.02	U		CV	1	0.20	0.02
7439-98-7	MOLYBDENUM, DISSOLVED	2.00	U		P	1	100	2.00
7440-02-0	NICKEL, DISSOLVED	1.53	U		P	1	40	1.53
7782-49-2	SELENIUM, DISSOLVED	3.59	U		P	1	10	3.59
7440-22-4	SILVER, DISSOLVED	1.04	U		P	1	15	1.04
7440-28-0	THALLIUM, DISSOLVED	6.13	U		P	1	15	6.13
7440-62-2	VANADIUM, DISSOLVED	1.36	U		P	1	25	1.36
7440-66-6	ZINC, DISSOLVED	16.0	B		P	1	25	0.59

Color Before: N/A Clarity Before: N/A

Color After: N/A Clarity After: N/A

Comments:

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** SW-17-102005

Matrix: WATER **SDG Name:** WV5584

Percent Solids: 0.00 **Lab Sample ID:** WV5584-021

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-36-0	ANTIMONY, DISSOLVED	4.11	U		P	1	8.0	4.11
7440-38-2	ARSENIC, DISSOLVED	3.6	B		P	1	8.0	3.45
7440-39-3	BARIUM, DISSOLVED	81.1			P	1	5.0	0.27
7440-41-7	BERYLLIUM, DISSOLVED	0.35	U		P	1	5.0	0.35
7440-43-9	CADMIUM, DISSOLVED	0.56	B		P	1	10	0.40
7440-47-3	CHROMIUM, DISSOLVED	1.4	B		P	1	15	1.01
7440-48-4	COBALT, DISSOLVED	2.3	B		P	1	30	1.12
7440-50-8	COPPER, DISSOLVED	1.74	U		P	1	25	1.74
7439-92-1	LEAD, DISSOLVED	1.65	U		P	1	5.0	1.65
7439-97-6	MERCURY, DISSOLVED	0.02	U		CV	1	0.20	0.02
7439-98-7	MOLYBDENUM, DISSOLVED	2.5	B		P	1	100	2.00
7440-02-0	NICKEL, DISSOLVED	2.9	B		P	1	40	1.53
7782-49-2	SELENIUM, DISSOLVED	3.59	U		P	1	10	3.59
7440-22-4	SILVER, DISSOLVED	1.04	U		P	1	15	1.04
7440-28-0	THALLIUM, DISSOLVED	6.13	U		P	1	15	6.13
7440-62-2	VANADIUM, DISSOLVED	1.36	U		P	1	25	1.36
7440-66-6	ZINC, DISSOLVED	9.1	B		P	1	25	0.59

Color Before: N/A Clarity Before: N/A

Color After: N/A Clarity After: N/A

Comments:

Katahdin
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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: WV5584-2
Report Date: 29-OCT-05
Client PO: 1004810
Project: MIDDLE RIVER
SDG: WV5584

Sample Description	Matrix	Date Sampled	Date Received
SW-08-102005	AQ	20-OCT-05	21-OCT-05

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Chromium, Hexavalent	U0.025 mg/L	.025	SW846 7196A	WG21990	21-OCT-05 10:04:48	N/A	N/A	KGT	

Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WV5584-4
Report Date: 29-OCT-05
Client PO: 1004810
Project: MIDDLE RIVER
SDG: WV5584

Sample Description	Matrix	Date Sampled	Date Received
SW-09-102005	AQ	20-OCT-05	21-OCT-05

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Chromium, Hexavalent	U0.025 mg/L	.025	SW846 7196A	WG21990	21-OCT-05 10:04:48	N/A	N/A	KGT	

Katahdin
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Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WV5584-6
Report Date: 29-OCT-05
Client PO: 1004810
Project: MIDDLE RIVER
SDG: WV5584

Sample Description	Matrix	Date Sampled	Date Received
SW-10-102005	AQ	20-OCT-05	21-OCT-05

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Chromium, Hexavalent	U0.025 mg/L	.025	SW846 7196A	WG21990	21-OCT-05 10:04:48	N/A	N/A	KGT	

Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WV5584-8
Report Date: 29-OCT-05
Client PO: 1004810
Project: MIDDLE RIVER
SDG: WV5584

Sample Description	Matrix	Date Sampled	Date Received
SW-11-102005	AQ	20-OCT-05	21-OCT-05

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Chromium, Hexavalent	U0.025 mg/L	.025	SW846 7196A	WG21990	21-OCT-05 10:04:48	N/A	N/A	KGT	

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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: WV5584-10
Report Date: 29-OCT-05
Client PO: 1004810
Project: MIDDLE RIVER
SDG: WV5584

Sample Description	Matrix	Date Sampled	Date Received
SW-12-102005	AQ	20-OCT-05	21-OCT-05

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Chromium, Hexavalent	U0.025 mg/L	.025	SW846 7196A	WG21990	21-OCT-05 10:04:48	N/A	N/A	KGT	

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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: WV5584-12
Report Date: 29-OCT-05
Client PO: 1004810
Project: MIDDLE RIVER
SDG: WV5584

Sample Description	Matrix	Date Sampled	Date Received
SW-13-102005	AQ	20-OCT-05	21-OCT-05

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Chromium, Hexavalent	U0.025 mg/L	.025	SW846 7196A	WG21990	21-OCT-05 10:04:48	N/A	N/A	KGT	

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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: WV5584-14
Report Date: 29-OCT-05
Client PO: 1004810
Project: MIDDLE RIVER
SDG: WV5584

Sample Description	Matrix	Date Sampled	Date Received
SW-14-102005	AQ	20-OCT-05	21-OCT-05

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Chromium, Hexavalent	U0.025 mg/L	.025	SW846 7196A	WG21990	21-OCT-05 10:04:48	N/A	N/A	KGT	

Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WV5584-16
Report Date: 29-OCT-05
Client PO: 1004810
Project: MIDDLE RIVER
SDG: WV5584

Sample Description	Matrix	Date Sampled	Date Received
SW-15-102005	AQ	20-OCT-05	21-OCT-05

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Chromium, Hexavalent	U0.025 mg/L	.025	SW846 7196A	WG21990	21-OCT-05 10:04:48	N/A	N/A	KGT	

Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WV5584-18
Report Date: 29-OCT-05
Client PO: 1004810
Project: MIDDLE RIVER
SDG: WV5584

Sample Description	Matrix	Date Sampled	Date Received
SW-16-102005	AQ	20-OCT-05	21-OCT-05

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Chromium, Hexavalent	U0.025 mg/L	.025	SW846 7196A	WG21990	21-OCT-05 10:04:48	N/A	N/A	KGT	

Katahdin
ANALYTICAL SERVICES

Accredited in accordance with nelac
Cert No E87604

Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: WV5584-20
Report Date: 29-OCT-05
Client PO: 1004810
Project: MIDDLE RIVER
SDG: WV5584

Sample Description	Matrix	Date Sampled	Date Received
SW-17-102005	AQ	20-OCT-05	21-OCT-05

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Chromium, Hexavalent	U0.025 mg/L	.025	SW846 7196A	WG21990	21-OCT-05 10:04:48	N/A	N/A	KGT	

APPENDIX C

SUPPORT DOCUMENTATION

HOLDTIME

SDG WV5584

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
HG	UG/L	SW-16-102005	WV5584-019	NM	10/20/2005	10/24/2005	10/24/2005	4	0	4
HG	UG/L	SW-17-102005	WV5584-020	NM	10/20/2005	10/24/2005	10/24/2005	4	0	4
HG	UG/L	SW-16-102005	WV5584-018	NM	10/20/2005	10/24/2005	10/24/2005	4	0	4
HG	UG/L	SW-15-102005	WV5584-017	NM	10/20/2005	10/24/2005	10/24/2005	4	0	4
HG	UG/L	SW-15-102005	WV5584-016	NM	10/20/2005	10/24/2005	10/24/2005	4	0	4
HG	UG/L	SW-14-102005	WV5584-015	NM	10/20/2005	10/24/2005	10/24/2005	4	0	4
HG	UG/L	SW-14-102005	WV5584-014	NM	10/20/2005	10/24/2005	10/24/2005	4	0	4
HG	UG/L	SW-13-102005	WV5584-013	NM	10/20/2005	10/24/2005	10/24/2005	4	0	4
HG	UG/L	SW-13-102005	WV5584-012	NM	10/20/2005	10/24/2005	10/24/2005	4	0	4
HG	UG/L	SW-12-102005	WV5584-011	NM	10/20/2005	10/24/2005	10/24/2005	4	0	4
HG	UG/L	SW-12-102005	WV5584-010	NM	10/20/2005	10/24/2005	10/24/2005	4	0	4
HG	UG/L	SW-11-102005	WV5584-009	NM	10/20/2005	10/24/2005	10/24/2005	4	0	4
HG	UG/L	SW-11-102005	WV5584-008	NM	10/20/2005	10/24/2005	10/24/2005	4	0	4
HG	UG/L	SW-10-102005	WV5584-007	NM	10/20/2005	10/24/2005	10/24/2005	4	0	4
HG	UG/L	SW-09-102005	WV5584-005	NM	10/20/2005	10/24/2005	10/24/2005	4	0	4

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
HG	UG/L	SW-09-102005	WV5584-004	NM	10/20/2005	10/24/2005	10/24/2005	4	0	4
HG	UG/L	SW-08-102005	WV5584-003	NM	10/20/2005	10/24/2005	10/24/2005	4	0	4
HG	UG/L	SW-08-102005	WV5584-002	NM	10/20/2005	10/24/2005	10/24/2005	4	0	4
HG	UG/L	SW-10-102005	WV5584-006	NM	10/20/2005	10/24/2005	10/24/2005	4	0	4
HG	UG/L	SW-17-102005	WV5584-021	NM	10/20/2005	10/24/2005	10/24/2005	4	0	4
M	UG/L	SW-16-102005	WV5584-018	NM	10/20/2005	10/25/2005	11/1/2005	5	7	12
M	UG/L	SW-11-102005	WV5584-009	NM	10/20/2005	10/25/2005	11/1/2005	5	7	12
M	UG/L	SW-12-102005	WV5584-010	NM	10/20/2005	10/25/2005	11/1/2005	5	7	12
M	UG/L	SW-12-102005	WV5584-011	NM	10/20/2005	10/25/2005	11/1/2005	5	7	12
M	UG/L	SW-13-102005	WV5584-012	NM	10/20/2005	10/25/2005	11/1/2005	5	7	12
M	UG/L	SW-13-102005	WV5584-013	NM	10/20/2005	10/25/2005	11/1/2005	5	7	12
M	UG/L	SW-14-102005	WV5584-014	NM	10/20/2005	10/25/2005	11/1/2005	5	7	12
M	UG/L	SW-14-102005	WV5584-015	NM	10/20/2005	10/25/2005	11/1/2005	5	7	12
M	UG/L	SW-15-102005	WV5584-017	NM	10/20/2005	10/25/2005	11/1/2005	5	7	12
M	UG/L	SW-10-102005	WV5584-006	NM	10/20/2005	10/25/2005	11/1/2005	5	7	12
M	UG/L	SW-16-102005	WV5584-019	NM	10/20/2005	10/25/2005	11/1/2005	5	7	12
M	UG/L	SW-17-102005	WV5584-020	NM	10/20/2005	10/25/2005	11/1/2005	5	7	12
M	UG/L	SW-17-102005	WV5584-020	NM	10/20/2005	10/25/2005	11/2/2005	5	8	13

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
M	UG/L	SW-17-102005	WV5584-021R	NM	10/20/2005	10/28/2005	10/31/2005	8	3	11
M	UG/L	SW-17-102005	WV5584-021R	NM	10/20/2005	10/28/2005	11/1/2005	8	4	12
M	UG/L	SW-15-102005	WV5584-016	NM	10/20/2005	10/25/2005	11/1/2005	5	7	12
M	UG/L	SW-09-102005	WV5584-005	NM	10/20/2005	10/25/2005	11/1/2005	5	7	12
M	UG/L	SW-09-102005	WV5584-004	NM	10/20/2005	10/25/2005	11/1/2005	5	7	12
M	UG/L	SW-08-102005	WV5584-003	NM	10/20/2005	10/25/2005	11/1/2005	5	7	12
M	UG/L	SW-08-102005	WV5584-002	NM	10/20/2005	10/25/2005	11/1/2005	5	7	12
M	UG/L	SW-10-102005	WV5584-007	NM	10/20/2005	10/25/2005	11/1/2005	5	7	12
M	UG/L	SW-11-102005	WV5584-008	NM	10/20/2005	10/25/2005	11/1/2005	5	7	12
CR6	MG/L	SW-11-102005	WV5584-8	NM	10/20/2005	10/21/2005	10/21/2005	1	0	1
CR6	MG/L	SW-08-102005	WV5584-2	NM	10/20/2005	10/21/2005	10/21/2005	1	0	1
CR6	MG/L	SW-17-102005	WV5584-20	NM	10/20/2005	10/21/2005	10/21/2005	1	0	1
CR6	MG/L	SW-16-102005	WV5584-18	NM	10/20/2005	10/21/2005	10/21/2005	1	0	1
CR6	MG/L	SW-15-102005	WV5584-16	NM	10/20/2005	10/21/2005	10/21/2005	1	0	1
CR6	MG/L	SW-14-102005	WV5584-14	NM	10/20/2005	10/21/2005	10/21/2005	1	0	1
CR6	MG/L	SW-12-102005	WV5584-10	NM	10/20/2005	10/21/2005	10/21/2005	1	0	1
CR6	MG/L	SW-10-102005	WV5584-6	NM	10/20/2005	10/21/2005	10/21/2005	1	0	1
CR6	MG/L	SW-09-102005	WV5584-4	NM	10/20/2005	10/21/2005	10/21/2005	1	0	1

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
CR6	MG/L	SW-13-102005	WV5584-12	NM	10/20/2005	10/21/2005	10/21/2005	1	0	1
OS	%	SW-13-102005	WV5584-12	NM	10/20/2005	10/26/2005	10/28/2005	6	2	8
OS	%	SW-08-102005	WV5584-2	NM	10/20/2005	10/26/2005	10/27/2005	6	1	7
OS	%	SW-09-102005RA	WV5584-4RA	NM	10/20/2005	10/26/2005	10/28/2005	6	2	8
OS	%	SW-10-102005	WV5584-6	NM	10/20/2005	10/26/2005	10/27/2005	6	1	7
OS	%	SW-12-102005	WV5584-10	NM	10/20/2005	10/26/2005	10/28/2005	6	2	8
OS	%	SW-14-102005	WV5584-14	NM	10/20/2005	10/26/2005	10/28/2005	6	2	8
OS	%	SW-15-102005	WV5584-16	NM	10/20/2005	10/26/2005	10/28/2005	6	2	8
OS	%	SW-16-102005	WV5584-18	NM	10/20/2005	10/26/2005	10/28/2005	6	2	8
OS	%	SW-17-102005RA	WV5584-20RA	NM	10/20/2005	10/26/2005	10/28/2005	6	2	8
OS	%	SW-11-102005	WV5584-8	NM	10/20/2005	10/26/2005	10/27/2005	6	1	7
OS	UG/L	SW-12-102005	WV5584-10	NM	10/20/2005	10/26/2005	10/28/2005	6	2	8
OS	UG/L	SW-17-102005RA	WV5584-20RA	NM	10/20/2005	10/26/2005	10/28/2005	6	2	8
OS	UG/L	SW-16-102005	WV5584-18	NM	10/20/2005	10/26/2005	10/28/2005	6	2	8
OS	UG/L	SW-15-102005	WV5584-16	NM	10/20/2005	10/26/2005	10/28/2005	6	2	8
OS	UG/L	SW-13-102005	WV5584-12	NM	10/20/2005	10/26/2005	10/28/2005	6	2	8
OS	UG/L	SW-11-102005	WV5584-8	NM	10/20/2005	10/26/2005	10/27/2005	6	1	7
OS	UG/L	SW-10-102005	WV5584-6	NM	10/20/2005	10/26/2005	10/27/2005	6	1	7

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
OS	UG/L	SW-09-102005RA	WV5584-4RA	NM	10/20/2005	10/26/2005	10/28/2005	6	2	8
OS	UG/L	SW-08-102005	WV5584-2	NM	10/20/2005	10/26/2005	10/27/2005	6	1	7
OS	UG/L	SW-14-102005	WV5584-14	NM	10/20/2005	10/26/2005	10/28/2005	6	2	8
OV	%	SW-08-102005	WV5584-2	NM	10/20/2005	10/26/2005	10/26/2005	6	0	6
OV	%	SW-14-102005	WV5584-14	NM	10/20/2005	10/26/2005	10/26/2005	6	0	6
OV	%	TB102005	WV5584-1	NM	10/20/2005	10/26/2005	10/26/2005	6	0	6
OV	%	SW-17-102005	WV5584-20	NM	10/20/2005	10/26/2005	10/26/2005	6	0	6
OV	%	SW-16-102005	WV5584-18	NM	10/20/2005	10/26/2005	10/26/2005	6	0	6
OV	%	SW-15-102005	WV5584-16	NM	10/20/2005	10/26/2005	10/26/2005	6	0	6
OV	%	SW-13-102005	WV5584-12	NM	10/20/2005	10/26/2005	10/26/2005	6	0	6
OV	%	SW-12-102005	WV5584-10	NM	10/20/2005	10/26/2005	10/26/2005	6	0	6
OV	%	SW-11-102005	WV5584-8	NM	10/20/2005	10/26/2005	10/26/2005	6	0	6
OV	%	SW-09-102005	WV5584-4	NM	10/20/2005	10/26/2005	10/26/2005	6	0	6
OV	%	SW-10-102005	WV5584-6	NM	10/20/2005	10/26/2005	10/26/2005	6	0	6
OV	UG/L	SW-14-102005	WV5584-14	NM	10/20/2005	10/26/2005	10/26/2005	6	0	6
OV	UG/L	TB102005	WV5584-1	NM	10/20/2005	10/26/2005	10/26/2005	6	0	6
OV	UG/L	SW-17-102005	WV5584-20	NM	10/20/2005	10/26/2005	10/26/2005	6	0	6
OV	UG/L	SW-16-102005	WV5584-18	NM	10/20/2005	10/26/2005	10/26/2005	6	0	6

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
OV	UG/L	SW-09-102005	WV5584-4	NM	10/20/2005	10/26/2005	10/26/2005	6	0	6
OV	UG/L	SW-15-102005	WV5584-16	NM	10/20/2005	10/26/2005	10/26/2005	6	0	6
OV	UG/L	SW-12-102005	WV5584-10	NM	10/20/2005	10/26/2005	10/26/2005	6	0	6
OV	UG/L	SW-10-102005	WV5584-6	NM	10/20/2005	10/26/2005	10/26/2005	6	0	6
OV	UG/L	SW-08-102005	WV5584-2	NM	10/20/2005	10/26/2005	10/26/2005	6	0	6
OV	UG/L	SW-11-102005	WV5584-8	NM	10/20/2005	10/26/2005	10/26/2005	6	0	6
OV	UG/L	SW-13-102005	WV5584-12	NM	10/20/2005	10/26/2005	10/26/2005	6	0	6
PCB	%	SW-14-102005	WV5584-14	NM	10/20/2005	10/26/2005	10/28/2005	6	2	8
PCB	%	SW-17-102005	WV5584-20	NM	10/20/2005	10/26/2005	10/28/2005	6	2	8
PCB	%	SW-15-102005	WV5584-16	NM	10/20/2005	10/26/2005	10/28/2005	6	2	8
PCB	%	SW-13-102005	WV5584-12	NM	10/20/2005	10/26/2005	10/28/2005	6	2	8
PCB	%	SW-11-102005	WV5584-8	NM	10/20/2005	10/26/2005	10/28/2005	6	2	8
PCB	%	SW-10-102005	WV5584-6	NM	10/20/2005	10/26/2005	10/28/2005	6	2	8
PCB	%	SW-09-102005	WV5584-4	NM	10/20/2005	10/26/2005	10/28/2005	6	2	8
PCB	%	SW-08-102005	WV5584-2	NM	10/20/2005	10/26/2005	10/28/2005	6	2	8
PCB	%	SW-12-102005	WV5584-10	NM	10/20/2005	10/26/2005	10/28/2005	6	2	8
PCB	%	SW-16-102005	WV5584-18	NM	10/20/2005	10/26/2005	10/28/2005	6	2	8
PCB	UG/L	SW-09-102005	WV5584-4	NM	10/20/2005	10/26/2005	10/28/2005	6	2	8

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
PCB	UG/L	SW-16-102005	WV5584-18	NM	10/20/2005	10/26/2005	10/28/2005	6	2	8
PCB	UG/L	SW-15-102005	WV5584-16	NM	10/20/2005	10/26/2005	10/28/2005	6	2	8
PCB	UG/L	SW-14-102005	WV5584-14	NM	10/20/2005	10/26/2005	10/28/2005	6	2	8
PCB	UG/L	SW-13-102005	WV5584-12	NM	10/20/2005	10/26/2005	10/28/2005	6	2	8
PCB	UG/L	SW-12-102005	WV5584-10	NM	10/20/2005	10/26/2005	10/28/2005	6	2	8
PCB	UG/L	SW-10-102005	WV5584-6	NM	10/20/2005	10/26/2005	10/28/2005	6	2	8
PCB	UG/L	SW-08-102005	WV5584-2	NM	10/20/2005	10/26/2005	10/28/2005	6	2	8
PCB	UG/L	SW-17-102005	WV5584-20	NM	10/20/2005	10/26/2005	10/28/2005	6	2	8
PCB	UG/L	SW-11-102005	WV5584-8	NM	10/20/2005	10/26/2005	10/28/2005	6	2	8

Katahdin ANALYTICAL SERVICES
340 County Road No. 5
P.O. Box 720
Westbrook, ME 04092
Tel: (207) 874-2400
Fax: (207) 775-4029

CHAIN of CUSTODY

PLEASE BEAR DOWN AND PRINT LEGIBLY IN PEN

Client: Tetra Tech NUS | Contact: Dave Peters | Phone #: (301) 528-3063 | Fax #: ( )

Address: 20251 Century Blvd | City: Germantown | State: MD | Zip Code: 20874

Purchase Order # | Proj. Name / No. | Katahdin Quote #

Bill (if different than above) | Address

Sampler (Print / Sign): FRED KOLBERG FK | Copies To:

LAB USE ONLY | WORK ORDER #: WY5584

KATAHDIN PROJECT NUMBER

REMARKS:

SHIPPING INFO: ☐ FED EX ☐ UPS ☐ CLIENT

AIRBILL NO:

TEMP°C ☐ TEMP BLANK ☐ INTACT ☐ NOT INTACT

Sample Description	Date / Time coll'd	Matrix	No. of Cntrs.	ANALYSIS AND CONTAINER TYPE PRESERVATIVES: VOCs	SVOCs	PCBs	Hex Chrome ppm	Total Metals ppm	Diss. ppm				
				Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N	Filt. ☐Y ☐N
TB102005	10-20-05 1145	water	2	V									
SW-08-102005	/ 1110		10	X	X	X	X	X	X				
SW-09-102005	/ 1120		10	X	X	X	X	X	X				
SW-10-102005	/ 1130		10	X	X	X	X	X	X				
SW-11-102005	/ 1150		10	X	X	X	X	X	X				
SW-12-102005	/ 1210		10	X	X	X	X	X	X				
SW-13-102005	/ 1220		10	X	X	X	X	X	X				
SW-14-102005	/ 1240		10	X	X	X	X	X	X				
SW-15-102005	/ 1250		10	X	X	X	X	X	X				
SW-16-102005	/ 1300		10	X	X	X	X	X	X				
SW-17-102005	/ 1315		30	X	X	X	X	X	X		*	MS/MSD	
	/												
	/												
	/												
	/												
	/												

COMMENTS

10-20-05

Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)
[signature]	10/20 1800	[signature] 10/21/05 0935			
Relinquished By: (Signature)	Date / Time	Received By: (Signature)	Relinquished By: (Signature)	Date / Time	Received By: (Signature)

SDG NARRATIVE
KATAHDIN ANALYTICAL SERVICES
TETRA TECH NUS
CASE MIDDLE RIVER
WV5584

Sample Receipt

The following samples were received on October 21, 2005 and were logged in under Katahdin Analytical Services work order number WV5584 for a hardcopy due date of October 27, 2005.

KATAHDIN Sample No.	TTNUS Sample Identification
WV5584-1	TB102005
WV5584-2	SW-08-102005
WV5584-3	SW-08-102005
WV5584-4	SW-09-102005
WV5584-5	SW-09-102005
WV5584-6	SW-10-102005
WV5584-7	SW-10-102005
WV5584-8	SW-11-102005
WV5584-9	SW-11-102005
WV5584-10	SW-12-102005
WV5584-11	SW-12-102005
WV5584-12	SW-13-102005
WV5584-13	SW-13-102005
WV5584-14	SW-14-102005
WV5584-15	SW-14-102005
WV5584-16	SW-15-102005
WV5584-17	SW-15-102005
WV5584-18	SW-16-102005
WV5584-19	SW-16-102005
WV5584-20	SW-17-102005
WV5584-21	SW-17-102005

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 work order WV5584 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, U.S. EPA, for the specific methods listed below or on the Report of Analysis. Sample WV5584-20 was used for a matrix spike (MS) and matrix spike duplicate (MSD), as per client's request. Some manual integrations may have been performed due to split peaks and/or corrected baselines. All have been flagged with a "M" (software-generated) on the pertinent quantitation reports.

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 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.

One or more target analytes may have been detected above the MDL in some method blanks. Any of these analytes that were also detected in any of the associated samples were flagged with a "V" qualifier indicating that the analyte was detected in the method blank analyzed and/or extracted concurrently with the sample.

Samples WV5584-2, 4, 6, 8, 10, 12, 14, 16, 18, and 20 had high recoveries for one or more surrogates, which were outside of the laboratory established acceptance limits. Since a high recovery would indicate a high bias and there were no target analytes detected above the PQL in the aforementioned samples, the samples were not reanalyzed.

The initial calibration analyzed on the F instrument on 10/12/05 had a %RSD value for acetone that exceeded the method acceptance limit of 15%. Even though 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.

8082 Analysis

Samples WV5584-2, 10, 12, the method blank, WG22030-1, the laboratory control sample, WG22030-2 and the matrix spike duplicate, WG22030-4, had low recoveries for the extraction surrogate DCB on one or both channels, which were outside of the laboratory established acceptance limits. Since the recoveries for TCX were acceptable on both channels for all samples and QC, the samples were not reextracted.

The calibration verification standards (CV) (files 6VJ7034 and 6VJ8034) had high responses for Aroclor 1016 on both channels and Aroclor 1260 on channel B, which resulted in %D's that were

outside of the method acceptance limits of 15%. Since high recoveries would indicate a high bias and no target analytes were detected in the samples, the associated samples were not reanalyzed.

The Form 7 for the CV's (files 6VJ7034 and 6VJ8034) are flagged for the surrogates TCX and DCB indicating that the %D is 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.

8270C 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 initial calibration analyzed on 10/22/05 had %RSD values for several analytes that exceeded the method acceptance limit of 15%. For these analytes, either a linear or quadratic model was used for quantitation instead of an average response factor. The target analytes benzoic acid, 2-chloronapthalene, 2,4-dinitrophenol and 4-nitrophenol, 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 there were none of the aforementioned analytes detected above the PQL in the associated samples, the samples were not reanalyzed.

The calibration verification standard (CV) (file X8964) had a high response for the (CCC) calibration check compound 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 in the associated sample above the PQL, the sample was not reanalyzed.

Samples WV5584-2, 4RA, 8, 10 and 20RA and the matrix spike sample (MS) WG22052-3 had low recoveries for one or more surrogates, which were outside the laboratory established acceptance limits. The client was contacted and notified 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 Katahdin Work Order WV5584 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 Atomic Emission Spectroscopic Analysis (ICP)

Aqueous-matrix Katahdin Sample Nos. WV5584-(2-20) were digested for ICP analysis on 10/25/05 (QC Batch VJ25ICW2) in accordance with USEPA Method 3010A. Katahdin Sample No. WV5584-20 was prepared with duplicate matrix-spiked aliquots.

Aqueous-matrix Katahdin Sample No. WV5584-21 was originally digested for ICP analysis on 10/25/05 (QC Batch VJ25ICW2) in accordance with USEPA Method 3010A. The sample was redigested on 10/28/05 (QC Batch VJ28ICW0). For convenience, all results were taken from the redigestion batch. This sample was prepared with duplicate matrix-spiked aliquots.

Redigestates are identified throughout the raw data and in sample preparation and analysis run logs by the suffix "R" appended to the Katahdin sample number, e.g. "WV5584-021R".

ICP analyses of Katahdin Work Order WV5584 sample digestates were performed using a Thermo Jarrell Ash (TJA) Trace 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 analytical 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.

Analysis of Mercury by Cold Vapor Atomic Absorption (CVAA)

Aqueous-matrix Katahdin Sample Nos. WV5584-(2-21) were digested for mercury analysis on 10/24/05 (QC Batch VJ24HGW0) in accordance with USEPA Method 7470A. Katahdin Sample Nos. WV5584-(20 and 21) were prepared with duplicate matrix-spiked aliquots

Mercury analyses of Katahdin Work Order WV5584 sample digestates were performed 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 of all of the matrix-spiked aliquots of Katahdin Sample Nos. WV5584-(20 and 21) are within the laboratory's acceptance criteria (75% - 125% recovery of the added element, if the native concentration is less than four times the amount added) for all analytes.

The matrix-spike duplicate analyses of Katahdin Sample Nos. WV5584-(20 and 21) are within the laboratory's acceptance limit (<20% relative difference between duplicate matrix-spiked aliquots) for all analytes.

The serial dilution analyses of Katahdin Sample Nos. WV5584-(20 and 21) 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 work order WV5584 were analyzed in accordance with the specific methods listed on the Report of Analysis.

Analyses for hexavalent chromium were performed according to "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, U.S. EPA.

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. All quality control criteria were met.

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

Leslie Dimond
11.4.05

Leslie Dimond
Quality Assurance Officer

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: Katahdin Analytical Services

SDG Name: WV5584 **SOW No.** SW846

Client Field ID	Lab Sample ID	
SW-08-102005	WV5584-002	
SW-08-102005	WV5584-003	
SW-09-102005	WV5584-004	
SW-09-102005	WV5584-005	
SW-10-102005	WV5584-006	
SW-10-102005	WV5584-007	
SW-11-102005	WV5584-008	
SW-11-102005	WV5584-009	
SW-12-102005	WV5584-010	
SW-12-102005	WV5584-011	
SW-13-102005	WV5584-012	
SW-13-102005	WV5584-013	
SW-14-102005	WV5584-014	
SW-14-102005	WV5584-015	
SW-15-102005	WV5584-016	
SW-15-102005	WV5584-017	
SW-16-102005	WV5584-018	
SW-16-102005	WV5584-019	
SW-17-102005	WV5584-020	— total
SW-17-102005	WV5584-020P	
SW-17-102005	WV5584-020S	
SW-17-102005	WV5584-021	— dissolved
SW-17-102005	WV5584-021P	
SW-17-102005	WV5584-021S	

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: Edward A. Morgan Name: Edward A. Morgan

Date: November 3, 2005 Title: Senior Chemist

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** WV5584

Concentration Units: ug/L

SAMPLE: CCV

File: AVJ31A Oct 31, 2005 18:25

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	48894.96	97.8
ANTIMONY	1000.0	1157.85	115.8 *
ARSENIC	1000.0	1088.28	108.8
BARIUM	1000.0	1138.41	113.8 *
BERYLLIUM	1000.0	1052.78	105.3
CADMIUM	1000.0	1090.59	109.1
CALCIUM	50000.0	49195.35	98.4
CHROMIUM	1000.0	1158.57	115.9 *
COBALT	1000.0	1095.29	109.5
COPPER	1000.0	956.66	95.7
IRON	20000.0	19752.91	98.8
LEAD	1000.0	1077.76	107.8
MAGNESIUM	50000.0	47483.47	95.0
MOLYBDENUM	1000.0	1150.78	115.1 *
NICKEL	1000.0	1121.01	112.1 *
SELENIUM	1000.0	1134.88	113.5 *
SILVER	250.0	230.53	92.2
ZINC	1000.0	1126.28	112.6 *

(1) Control Limits: Mercury 80-120; Other Metals 90-110

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** WV5584

Concentration Units: ug/L

SAMPLE: ICV

File: AVK01A Nov 01, 2005 11:55

Analyte	True	Found	%R (1)
ALUMINUM	20000.0	18971.89	94.9
ANTIMONY	600.0	605.40	100.9
ARSENIC	600.0	614.74	102.5
BARIUM	500.0	506.53	101.3
BERYLLIUM	500.0	502.01	100.4
CADMIUM	1250.0	1239.07	99.1
CALCIUM	20000.0	20348.52	101.7
CHROMIUM	500.0	514.25	102.8
COBALT	500.0	510.97	102.2
COPPER	500.0	474.05	94.8
IRON	20000.0	20263.90	101.3
LEAD	550.0	544.48	99.0
MAGNESIUM	20000.0	20671.30	103.4
MOLYBDENUM	300.0	314.10	104.7
NICKEL	1000.0	1012.26	101.2
SELENIUM	550.0	546.01	99.3
SILVER	200.0	193.41	96.7
THALLIUM	600.0	594.44	99.1
VANADIUM	500.0	488.42	97.7
ZINC	1000.0	1015.30	101.5

SAMPLE: CCV

File: AVK01A Nov 01, 2005 12:48

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50175.05	100.4
ANTIMONY	1000.0	1044.97	104.5
ARSENIC	1000.0	1032.73	103.3
BARIUM	1000.0	1046.55	104.7
BERYLLIUM	1000.0	1051.14	105.1
CADMIUM	1000.0	1041.07	104.1
CALCIUM	50000.0	51649.87	103.3
CHROMIUM	1000.0	1060.72	106.1
COBALT	1000.0	1048.95	104.9
COPPER	1000.0	1008.03	100.8
IRON	20000.0	20307.26	101.5
LEAD	1000.0	1030.80	103.1
MAGNESIUM	50000.0	51525.05	103.1
MOLYBDENUM	1000.0	1041.71	104.2
NICKEL	1000.0	1044.69	104.5
SELENIUM	1000.0	1045.52	104.6
SILVER	250.0	249.61	99.8
THALLIUM	1000.0	1033.59	103.4
VANADIUM	1000.0	998.82	99.9
ZINC	1000.0	1052.54	105.3

(1) Control Limits: Mercury 80-120; Other Metals 90-110

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** WV5584

Concentration Units: ug/L

SAMPLE: CCV

File: AVK01A Nov 01, 2005 14:20

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50125.63	100.3
ANTIMONY	1000.0	1052.23	105.2
ARSENIC	1000.0	1016.73	101.7
BARIUM	1000.0	1075.08	107.5
BERYLLIUM	1000.0	1037.10	103.7
CADMIUM	1000.0	1024.32	102.4
CALCIUM	50000.0	50324.81	100.6
CHROMIUM	1000.0	1066.67	106.7
COBALT	1000.0	1039.57	104.0
COPPER	1000.0	1000.61	100.1
IRON	20000.0	19866.21	99.3
LEAD	1000.0	1005.20	100.5
MAGNESIUM	50000.0	49643.37	99.3
MOLYBDENUM	1000.0	1041.64	104.2
NICKEL	1000.0	1038.06	103.8
SELENIUM	1000.0	1033.73	103.4
SILVER	250.0	247.20	98.9
THALLIUM	1000.0	1002.27	100.2
VANADIUM	1000.0	952.32	95.2
ZINC	1000.0	1049.20	104.9

SAMPLE: CCV

File: AVK01A Nov 01, 2005 15:46

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50537.33	101.1
ANTIMONY	1000.0	1065.01	106.5
ARSENIC	1000.0	1026.94	102.7
BARIUM	1000.0	1093.13	109.3
BERYLLIUM	1000.0	1041.12	104.1
CADMIUM	1000.0	1020.62	102.1
CALCIUM	50000.0	50113.74	100.2
CHROMIUM	1000.0	1073.69	107.4
COBALT	1000.0	1038.53	103.9
COPPER	1000.0	1009.45	100.9
IRON	20000.0	19830.07	99.2
LEAD	1000.0	1002.49	100.2
MAGNESIUM	50000.0	49222.31	98.4
MOLYBDENUM	1000.0	1048.74	104.9
NICKEL	1000.0	1038.24	103.8
SELENIUM	1000.0	1042.85	104.3
SILVER	250.0	249.22	99.7
THALLIUM	1000.0	998.17	99.8
VANADIUM	1000.0	939.58	94.0
ZINC	1000.0	1057.12	105.7

(1) Control Limits: Mercury 80-120; Other Metals 90-110

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** WV5584

Concentration Units: ug/L

SAMPLE: CCV

File: AVK01A Nov 01, 2005 17:12

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	51251.47	102.5
ANTIMONY	1000.0	1131.54	113.2
ARSENIC	1000.0	1073.21	107.3
BARIUM	1000.0	1149.14	114.9
BERYLLIUM	1000.0	1085.79	108.6
CADMIUM	1000.0	1088.93	108.9
CALCIUM	50000.0	51700.80	103.4
CHROMIUM	1000.0	1149.33	114.9
COBALT	1000.0	1113.27	111.3
COPPER	1000.0	998.17	99.8
IRON	20000.0	20663.42	103.3
LEAD	1000.0	1072.42	107.2
MAGNESIUM	50000.0	50896.85	101.8
MOLYBDENUM	1000.0	1128.84	112.9
NICKEL	1000.0	1120.62	112.1
SELENIUM	1000.0	1116.31	111.6
SILVER	250.0	249.88	100.0
THALLIUM	1000.0	1016.56	101.7
VANADIUM	1000.0	910.11	91.0
ZINC	1000.0	1105.45	110.5

(1) Control Limits: Mercury 80-120; Other Metals 90-110

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** WV5584

Concentration Units: ug/L

SAMPLE: ICV

File: AVK01B Nov 01, 2005 18:19

Analyte	True	Found	%R (1)
ALUMINUM	20000.0	18881.08	94.4
CALCIUM	20000.0	20500.95	102.5
IRON	20000.0	20208.80	101.0
MAGNESIUM	20000.0	20929.27	104.6
THALLIUM	600.0	612.40	102.1
VANADIUM	500.0	494.08	98.8

SAMPLE: CCV

File: AVK01B Nov 01, 2005 19:10

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	48856.10	97.7
CALCIUM	50000.0	51282.02	102.6
IRON	20000.0	20019.42	100.1
MAGNESIUM	50000.0	51456.56	102.9
THALLIUM	1000.0	1033.86	103.4
VANADIUM	1000.0	1008.41	100.8

(1) Control Limits: Mercury 80-120; Other Metals 90-110

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** WV5584

Concentration Units: ug/L

SAMPLE: CCV

File: AVK01B Nov 01, 2005 20:36

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	48928.58	97.9
CALCIUM	50000.0	50554.37	101.1
IRON	20000.0	19799.12	99.0
MAGNESIUM	50000.0	50410.98	100.8
THALLIUM	1000.0	1027.79	102.8
VANADIUM	1000.0	977.96	97.8

SAMPLE: CCV

File: AVK01B Nov 01, 2005 21:55

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50071.47	100.1
CALCIUM	50000.0	50886.59	101.8
IRON	20000.0	20168.57	100.8
MAGNESIUM	50000.0	50452.65	100.9
THALLIUM	1000.0	1038.95	103.9
VANADIUM	1000.0	949.49	94.9

(1) Control Limits: Mercury 80-120; Other Metals 90-110

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** WV5584

Concentration Units: ug/L

SAMPLE: CCV

File: AVK01B Nov 01, 2005 23:21

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50110.13	100.2
CALCIUM	50000.0	50526.27	101.1
IRON	20000.0	20105.00	100.5
MAGNESIUM	50000.0	50117.01	100.2
THALLIUM	1000.0	1038.33	103.8
VANADIUM	1000.0	920.01	92.0

SAMPLE: CCV

File: AVK01B Nov 02, 2005 0:47

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50013.73	100.0
CALCIUM	50000.0	50022.02	100.0
IRON	20000.0	20031.80	100.2
MAGNESIUM	50000.0	49555.29	99.1
THALLIUM	1000.0	1023.11	102.3
VANADIUM	1000.0	902.86	90.3

(1) Control Limits: Mercury 80-120; Other Metals 90-110

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** WV5584

Concentration Units: ug/L

SAMPLE: CCV

File: AVK01B Nov 02, 2005 2:13

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50555.61	101.1
CALCIUM	50000.0	50573.76	101.1
IRON	20000.0	20286.33	101.4
MAGNESIUM	50000.0	50148.89	100.3
THALLIUM	1000.0	1035.52	103.6
VANADIUM	1000.0	911.49	91.1

(1) Control Limits: Mercury 80-120; Other Metals 90-110

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** WV5584

Concentration Units: ug/L

SAMPLE: ICV

File: AVK02A Nov 02, 2005 12:03

Analyte	True	Found	%R (1)
ALUMINUM	20000.0	18732.20	93.7
ANTIMONY	600.0	586.90	97.8
BARIUM	500.0	491.68	98.3
CALCIUM	20000.0	20265.82	101.3
CHROMIUM	500.0	502.05	100.4
COBALT	500.0	503.04	100.6
IRON	20000.0	19894.18	99.5
MAGNESIUM	20000.0	20702.22	103.5
MOLYBDENUM	300.0	306.56	102.2
NICKEL	1000.0	998.91	99.9
SELENIUM	550.0	546.54	99.4
ZINC	1000.0	998.47	99.8

SAMPLE: CCV

File: AVK02A Nov 02, 2005 12:53

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	48921.54	97.8
ANTIMONY	1000.0	1021.06	102.1
BARIUM	1000.0	1010.93	101.1
CALCIUM	50000.0	51016.75	102.0
CHROMIUM	1000.0	1029.56	103.0
COBALT	1000.0	1031.09	103.1
IRON	20000.0	20027.08	100.1
MAGNESIUM	50000.0	50957.37	101.9
MOLYBDENUM	1000.0	1017.67	101.8
NICKEL	1000.0	1027.62	102.8
SELENIUM	1000.0	1023.14	102.3
ZINC	1000.0	1033.80	103.4

(1) Control Limits: Mercury 80-120; Other Metals 90-110

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** WV5584

Concentration Units: ug/L

SAMPLE: CCV

File: AVK02A Nov 02, 2005 14:25

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	48930.54	97.9
ANTIMONY	1000.0	1035.98	103.6
BARIUM	1000.0	1020.10	102.0
CALCIUM	50000.0	51353.37	102.7
CHROMIUM	1000.0	1055.76	105.6
COBALT	1000.0	1052.60	105.3
IRON	20000.0	20160.17	100.8
MAGNESIUM	50000.0	51113.97	102.2
MOLYBDENUM	1000.0	1040.50	104.1
NICKEL	1000.0	1053.08	105.3
SELENIUM	1000.0	1045.69	104.6
ZINC	1000.0	1047.91	104.8

SAMPLE: CCV

File: AVK02A Nov 02, 2005 15:54

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	48479.86	97.0
ANTIMONY	1000.0	1016.83	101.7
BARIUM	1000.0	986.53	98.7
CALCIUM	50000.0	52049.09	104.1
CHROMIUM	1000.0	1051.51	105.2
COBALT	1000.0	1049.74	105.0
IRON	20000.0	20232.47	101.2
MAGNESIUM	50000.0	51721.06	103.4
MOLYBDENUM	1000.0	1019.11	101.9
NICKEL	1000.0	1042.93	104.3
SELENIUM	1000.0	1038.58	103.9
ZINC	1000.0	1036.89	103.7

(1) Control Limits: Mercury 80-120; Other Metals 90-110

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** WV5584

Concentration Units: ug/L

SAMPLE: CCV

File: AVK02A Nov 02, 2005 17:20

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	49331.40	98.7
ANTIMONY	1000.0	1043.61	104.4
BARIUM	1000.0	1028.92	102.9
CALCIUM	50000.0	51838.32	103.7
CHROMIUM	1000.0	1075.50	107.5
COBALT	1000.0	1060.86	106.1
IRON	20000.0	20268.88	101.3
MAGNESIUM	50000.0	51054.42	102.1
MOLYBDENUM	1000.0	1042.39	104.2
NICKEL	1000.0	1058.22	105.8
SELENIUM	1000.0	1057.41	105.7
ZINC	1000.0	1060.71	106.1

(1) Control Limits: Mercury 80-120; Other Metals 90-110

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** WV5584

Concentration Units: ug/L

SAMPLE: ICV

File: HVJ24A Oct 24, 2005 15:55

Analyte	True	Found	%R (1)
MERCURY	6.0	6.16	102.7

SAMPLE: CCV

File: HVJ24A Oct 24, 2005 16:20

Analyte	True	Found	%R (1)
MERCURY	5.0	5.20	104.0

(1) Control Limits: Mercury 80-120; Other Metals 90-110

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** WV5584

Concentration Units: ug/L

SAMPLE: CCV

File: HVJ24A Oct 24, 2005 16:46

Analyte	True	Found	%R (1)
MERCURY	5.0	5.22	104.4

SAMPLE: CCV

File: HVJ24A Oct 24, 2005 17:11

Analyte	True	Found	%R (1)
MERCURY	5.0	5.78	115.6

(1) Control Limits: Mercury 80-120; Other Metals 90-110

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** WV5584

Concentration Units: ug/L

SAMPLE: CCV

File: HVJ24A Oct 24, 2005 17:37

Analyte	True	Found	%R (1)
MERCURY	5.0	5.21	104.2

SAMPLE: CCV

File: HVJ24A Oct 24, 2005 17:45

Analyte	True	Found	%R (1)
MERCURY	5.0	5.22	104.4

(1) Control Limits: Mercury 80-120; Other Metals 90-110

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** WV5584

Concentration Units: ug/L

SAMPLE: ICV

File: AVJ31A Oct 31, 2005 12:53

Analyte	True	Found	%R (1)
ALUMINUM	20000.0	19641.04	98.2
ANTIMONY	600.0	623.14	103.9
ARSENIC	600.0	641.28	106.9
BARIUM	500.0	519.44	103.9
BERYLLIUM	500.0	523.94	104.8
CADMIUM	1250.0	1307.62	104.6
CALCIUM	20000.0	21459.19	107.3
CHROMIUM	500.0	537.10	107.4
COBALT	500.0	535.51	107.1
COPPER	500.0	487.47	97.5
IRON	20000.0	21317.79	106.6
LEAD	550.0	575.57	104.6
MAGNESIUM	20000.0	21776.04	108.9
MOLYBDENUM	300.0	327.96	109.3
NICKEL	1000.0	1060.74	106.1
SELENIUM	550.0	566.29	103.0
SILVER	200.0	201.69	100.8
ZINC	1000.0	1056.44	105.6

SAMPLE: CCV

File: AVJ31A Oct 31, 2005 14:07

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	50516.79	101.0
ANTIMONY	1000.0	1061.37	106.1
ARSENIC	1000.0	1071.02	107.1
BARIUM	1000.0	1049.32	104.9
BERYLLIUM	1000.0	1081.79	108.2
CADMIUM	1000.0	1091.77	109.2
CALCIUM	50000.0	53472.73	106.9
CHROMIUM	1000.0	1092.96	109.3
COBALT	1000.0	1082.27	108.2
COPPER	1000.0	1008.78	100.9
IRON	20000.0	20931.28	104.7
LEAD	1000.0	1067.35	106.7
MAGNESIUM	50000.0	53039.52	106.1
MOLYBDENUM	1000.0	1067.64	106.8
NICKEL	1000.0	1083.48	108.3
SELENIUM	1000.0	1073.97	107.4
SILVER	250.0	239.61	95.8
ZINC	1000.0	1081.12	108.1

(1) Control Limits: Mercury 80-120; Other Metals 90-110

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** WV5584

Concentration Units: ug/L

SAMPLE: CCV

File: AVJ31A Oct 31, 2005 15:33

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	49908.41	99.8
ANTIMONY	1000.0	1059.70	106.0
ARSENIC	1000.0	1068.94	106.9
BARIUM	1000.0	1050.85	105.1
BERYLLIUM	1000.0	1072.08	107.2
CADMIUM	1000.0	1084.99	108.5
CALCIUM	50000.0	52474.21	104.9
CHROMIUM	1000.0	1101.98	110.2
COBALT	1000.0	1070.94	107.1
COPPER	1000.0	992.84	99.3
IRON	20000.0	20527.79	102.6
LEAD	1000.0	1055.92	105.6
MAGNESIUM	50000.0	51413.74	102.8
MOLYBDENUM	1000.0	1063.33	106.3
NICKEL	1000.0	1076.13	107.6
SELENIUM	1000.0	1067.62	106.8
SILVER	250.0	237.46	95.0
ZINC	1000.0	1077.01	107.7

SAMPLE: CCV

File: AVJ31A Oct 31, 2005 16:59

Analyte	True	Found	%R (1)
ALUMINUM	50000.0	49761.04	99.5
ANTIMONY	1000.0	1060.66	106.1
ARSENIC	1000.0	1057.81	105.8
BARIUM	1000.0	1078.33	107.8
BERYLLIUM	1000.0	1044.97	104.5
CADMIUM	1000.0	1046.33	104.6
CALCIUM	50000.0	50517.53	101.0
CHROMIUM	1000.0	1089.19	108.9
COBALT	1000.0	1036.24	103.6
COPPER	1000.0	996.35	99.6
IRON	20000.0	19781.02	98.9
LEAD	1000.0	1018.48	101.8
MAGNESIUM	50000.0	48660.72	97.3
MOLYBDENUM	1000.0	1052.97	105.3
NICKEL	1000.0	1046.88	104.7
SELENIUM	1000.0	1053.78	105.4
SILVER	250.0	237.45	95.0
ZINC	1000.0	1069.10	106.9

(1) Control Limits: Mercury 80-120; Other Metals 90-110

2B

CRDL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** WV5584

Concentration Units: ug/L

SAMPLE: CRI

File: AVJ31A Oct 31, 2005 13:22

Analyte	TRUE	FOUND	% R
ANTIMONY	120.0	120.95	100.8
ARSENIC	20.0	20.89	104.5
BERYLLIUM	10.0	10.14	101.4
CADMIUM	10.0	10.27	102.7
CHROMIUM	20.0	19.63	98.1
COBALT	100.0	105.23	105.2
COPPER	50.0	44.85	89.7 OK
LEAD	6.0	5.57	92.8
NICKEL	80.0	82.67	103.3
SELENIUM	10.0	10.27	102.7
SILVER	20.0	19.90	99.5
ZINC	40.0	42.82	107.1

SAMPLE: CRI

File: AVJ31A Oct 31, 2005 18:03

Analyte	TRUE	FOUND	% R
ANTIMONY	120.0	137.56	114.6
ARSENIC	20.0	19.62	98.1
BERYLLIUM	10.0	9.03	90.3
CADMIUM	10.0	10.56	105.6
CHROMIUM	20.0	23.77	118.8
COBALT	100.0	109.89	109.9
COPPER	50.0	36.58	73.2
LEAD	6.0	4.69	78.2
NICKEL	80.0	87.73	109.7
SELENIUM	10.0	9.33	93.3
SILVER	20.0	18.83	94.1
ZINC	40.0	46.17	115.4

2B

CRDL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** WV5584

Concentration Units: ug/L

SAMPLE: CRI

File: AVK01A Nov 01, 2005 12:24

Analyte	TRUE	FOUND	% R
ANTIMONY	120.0	124.50	103.8
ARSENIC	20.0	21.04	105.2
BERYLLIUM	10.0	9.57	95.7
CADMIUM	10.0	10.48	104.8
CHROMIUM	20.0	20.06	100.3
COBALT	100.0	104.88	104.9
COPPER	50.0	43.97	87.9
LEAD	6.0	4.36	72.7
NICKEL	80.0	82.56	103.2
SELENIUM	10.0	10.44	104.4
SILVER	20.0	17.90	89.5
THALLIUM	20.0	20.43	102.2
VANADIUM	100.0	97.14	97.1
ZINC	40.0	43.00	107.5

SAMPLE: CRI

File: AVK01A Nov 01, 2005 16:51

Analyte	TRUE	FOUND	% R
ANTIMONY	120.0	136.76	114.0
ARSENIC	20.0	21.09	105.5
BERYLLIUM	10.0	8.87	88.7
CADMIUM	10.0	10.50	105.0
CHROMIUM	20.0	22.36	111.8
COBALT	100.0	110.54	110.5
COPPER	50.0	38.40	76.8
LEAD	6.0	5.36	89.3
NICKEL	80.0	87.99	110.0
SELENIUM	10.0	13.91	139.1
SILVER	20.0	16.99	84.9
THALLIUM	20.0	27.16	135.8
VANADIUM	100.0	86.70	86.7
ZINC	40.0	45.27	113.2

2B

CRDL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** WV5584

Concentration Units: ug/L

SAMPLE: CRI

File: AVK01B Nov 01, 2005 18:48

Analyte	TRUE	FOUND	% R
THALLIUM	20.0	23.27	116.3
VANADIUM	100.0	100.21	100.2

SAMPLE: CRI

File: AVK01B Nov 01, 2005 21:33

Analyte	TRUE	FOUND	% R
THALLIUM	20.0	23.48	117.4
VANADIUM	100.0	92.78	92.8

2B

CRDL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** WV5584

Concentration Units: ug/L

SAMPLE: CRI

File: AVK01B Nov 02, 2005 01:51

Analyte	TRUE	FOUND	% R
THALLIUM	20.0	19.27	96.4
VANADIUM	100.0	87.37	87.4

2B

CRDL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** WV5584

Concentration Units: ug/L

SAMPLE: CRI

File: AVK02A Nov 02, 2005 12:32

Analyte	TRUE	FOUND	% R
ANTIMONY	120.0	118.63	98.9
CHROMIUM	20.0	19.60	98.0
COBALT	100.0	102.46	102.5
NICKEL	80.0	81.93	102.4
SELENIUM	10.0	10.30	103.0
ZINC	40.0	42.20	105.5

SAMPLE: CRI

File: AVK02A Nov 02, 2005 16:59

Analyte	TRUE	FOUND	% R
ANTIMONY	120.0	120.75	100.6
CHROMIUM	20.0	19.61	98.0
COBALT	100.0	104.46	104.5
NICKEL	80.0	82.58	103.2
SELENIUM	10.0	7.15	71.5
ZINC	40.0	43.01	107.5

3P

PREPARATION BLANKS

Lab Name: Katahdin Analytical Services **Sample ID:** PBWVJ25ICW2

Matrix: WATER **SDG Name:** WV5584

QC Batch ID: VJ25ICW2

Concentration Units : ug/L

Analyte	RESULT	C
ANTIMONY	4.110	U
ARSENIC	3.450	U
BARIUM	0.270	U
BERYLLIUM	-0.600	B
CADMIUM	0.400	U
CHROMIUM	1.010	U
COBALT	1.120	U
COPPER	-1.840	B
LEAD	1.650	U
MOLYBDENUM	2.000	U
NICKEL	1.530	U
SELENIUM	3.590	U
SILVER	1.040	U
THALLIUM	6.130	U
VANADIUM	1.360	U
ZINC	0.590	U

3P

PREPARATION BLANKS

Lab Name: Katahdin Analytical Services **Sample ID:** PBWVJ28ICW0

Matrix: WATER **SDG Name:** WV5584

QC Batch ID: VJ28ICW0

Concentration Units : ug/L

Analyte	RESULT	C
ANTIMONY	4.110	U
ARSENIC	3.450	U
BARIUM	0.270	U
BERYLLIUM	-0.560	B
CADMIUM	0.400	U
CHROMIUM	1.010	U
COBALT	1.120	U
COPPER	-3.300	B
LEAD	1.650	U
MOLYBDENUM	2.000	U
NICKEL	1.530	U
SELENIUM	3.590	U
SILVER	1.490	B
THALLIUM	6.130	U
VANADIUM	1.360	U
ZINC	0.830	B

3P

PREPARATION BLANKS

Lab Name: Katahdin Analytical Services **Sample ID:** PBWVJ24HGW0

Matrix: WATER **SDG Name:** WV5584

QC Batch ID: VJ24HGW0

Concentration Units : ug/L

Analyte	RESULT	C
MERCURY	0.020	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** WV5584

Concentration Units: ug/L

SAMPLE: ICB

File: AVJ31A Oct 31, 2005 13:00

Analyte	Result	C
ALUMINUM	38.45	B
ANTIMONY	4.11	U
ARSENIC	3.45	U
BARIUM	0.27	U
BERYLLIUM	0.35	U
CADMIUM	0.40	U
CALCIUM	11.30	U
CHROMIUM	1.01	U
COBALT	1.12	U
COPPER	1.74	U
IRON	25.80	U
LEAD	1.65	U
MAGNESIUM	16.82	B
MOLYBDENUM	2.00	U
NICKEL	1.53	U
SELENIUM	3.59	U
SILVER	1.36	B
ZINC	0.59	U

SAMPLE: CCB

File: AVJ31A Oct 31, 2005 14:14

Analyte	Result	C
ALUMINUM	80.20	B
ANTIMONY	4.11	U
ARSENIC	3.45	U
BARIUM	0.36	B
BERYLLIUM	0.35	U
CADMIUM	0.40	U
CALCIUM	11.30	U
CHROMIUM	1.01	U
COBALT	1.14	B
COPPER	1.74	U
IRON	25.80	U
LEAD	1.65	U
MAGNESIUM	35.07	B
MOLYBDENUM	2.00	U
NICKEL	1.53	U
SELENIUM	3.59	U
SILVER	2.51	B
ZINC	0.89	B

SAMPLE: CCB

File: AVJ31A Oct 31, 2005 15:40

Analyte	Result	C
ALUMINUM	164.64	B
ANTIMONY	4.11	U
ARSENIC	3.45	U
BARIUM	0.27	U
BERYLLIUM	-0.40	B
CADMIUM	0.40	U
CALCIUM	11.30	U
CHROMIUM	1.01	U
COBALT	1.72	B
COPPER	-2.30	B
IRON	25.80	U
LEAD	1.65	U
MAGNESIUM	35.64	B
MOLYBDENUM	2.00	U
NICKEL	1.53	U
SELENIUM	3.59	U
SILVER	1.85	B
ZINC	1.02	B

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** WV5584

Concentration Units: ug/L

SAMPLE: CCB
File: AVJ31A Oct 31, 2005 17:06

Analyte	Result	C
ALUMINUM	239.40	B
ANTIMONY	4.11	U
ARSENIC	3.45	U
BARIUM	0.30	B
BERYLLIUM	-0.74	B
CADMIUM	0.54	B
CALCIUM	-17.32	B
CHROMIUM	1.01	U
COBALT	1.12	U
COPPER	-3.89	B
IRON	25.80	U
LEAD	1.65	U
MAGNESIUM	31.60	B
MOLYBDENUM	2.00	U
NICKEL	1.53	U
SELENIUM	3.59	U
SILVER	1.12	B
ZINC	1.32	B

SAMPLE: CCB
File: AVJ31A Oct 31, 2005 18:32

Analyte	Result	C
ALUMINUM	369.25	
ANTIMONY	4.11	U
ARSENIC	3.45	U
BARIUM	0.27	U
BERYLLIUM	-0.87	B
CADMIUM	0.40	U
CALCIUM	-21.94	B
CHROMIUM	1.01	U
COBALT	1.12	U
COPPER	-7.88	B
IRON	25.80	U
LEAD	1.65	U
MAGNESIUM	17.28	B
MOLYBDENUM	2.00	U
NICKEL	1.53	U
SELENIUM	3.59	U
SILVER	1.70	B
ZINC	1.55	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** WV5584

Concentration Units: ug/L

SAMPLE: ICB

File: AVK01A Nov 01, 2005 12:02

Analyte	Result	C
ALUMINUM	52.45	B
ANTIMONY	4.11	U
ARSENIC	3.45	U
BARIUM	0.27	U
BERYLLIUM	-0.46	B
CADMIUM	0.40	U
CALCIUM	11.30	U
CHROMIUM	1.01	U
COBALT	1.12	U
COPPER	1.74	U
IRON	25.80	U
LEAD	1.65	U
MAGNESIUM	12.10	U
MOLYBDENUM	2.00	U
NICKEL	1.53	U
SELENIUM	3.59	U
SILVER	1.04	U
THALLIUM	6.13	U
VANADIUM	1.36	U
ZINC	0.59	U

SAMPLE: CCB

File: AVK01A Nov 01, 2005 12:56

Analyte	Result	C
ALUMINUM	64.05	B
ANTIMONY	4.11	U
ARSENIC	3.45	U
BARIUM	0.27	U
BERYLLIUM	-0.47	B
CADMIUM	0.40	U
CALCIUM	11.30	U
CHROMIUM	1.01	U
COBALT	1.12	U
COPPER	-2.41	B
IRON	25.80	U
LEAD	1.65	U
MAGNESIUM	12.10	U
MOLYBDENUM	2.00	U
NICKEL	1.53	U
SELENIUM	3.59	U
SILVER	1.04	U
THALLIUM	6.13	U
VANADIUM	1.36	U
ZINC	0.59	U

SAMPLE: CCB

File: AVK01A Nov 01, 2005 14:27

Analyte	Result	C
ALUMINUM	147.55	B
ANTIMONY	4.11	U
ARSENIC	3.45	U
BARIUM	0.27	U
BERYLLIUM	-1.12	B
CADMIUM	0.40	U
CALCIUM	-29.26	B
CHROMIUM	1.01	U
COBALT	1.12	U
COPPER	-4.88	B
IRON	25.80	U
LEAD	1.65	U
MAGNESIUM	12.10	U
MOLYBDENUM	2.00	U
NICKEL	1.53	U
SELENIUM	3.59	U
SILVER	1.04	U
THALLIUM	6.13	U
VANADIUM	1.36	U
ZINC	0.59	U

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** WV5584

Concentration Units: ug/L

SAMPLE: CCB

File: AVK01A Nov 01, 2005 15:53

Analyte	Result	C
ALUMINUM	190.91	B
ANTIMONY	4.11	U
ARSENIC	3.45	U
BARIUM	-0.43	B
BERYLLIUM	-1.31	B
CADMIUM	0.40	U
CALCIUM	-36.27	B
CHROMIUM	-2.78	B
COBALT	-2.45	B
COPPER	-7.20	B
IRON	25.80	U
LEAD	1.65	U
MAGNESIUM	12.10	U
MOLYBDENUM	2.00	U
NICKEL	-3.01	B
SELENIUM	3.59	U
SILVER	-2.87	B
THALLIUM	6.13	U
VANADIUM	1.36	U
ZINC	0.59	U

SAMPLE: CCB

File: AVK01A Nov 01, 2005 17:19

Analyte	Result	C
ALUMINUM	251.51	B
ANTIMONY	4.11	U
ARSENIC	3.45	U
BARIUM	0.27	U
BERYLLIUM	-1.43	B
CADMIUM	0.40	U
CALCIUM	-50.32	
CHROMIUM	1.01	U
COBALT	1.12	U
COPPER	-7.84	B
IRON	25.80	U
LEAD	1.65	U
MAGNESIUM	12.10	U
MOLYBDENUM	2.00	U
NICKEL	1.53	U
SELENIUM	3.59	U
SILVER	1.04	U
THALLIUM	6.13	U
VANADIUM	1.36	U
ZINC	0.59	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** WV5584

Concentration Units: ug/L

SAMPLE: ICB

File: AVK01B Nov 01, 2005 18:27

Analyte	Result	C
ALUMINUM	22.00	U
CALCIUM	11.30	U
IRON	25.80	U
MAGNESIUM	12.10	U
THALLIUM	7.47	B
VANADIUM	1.36	U

SAMPLE: CCB

File: AVK01B Nov 01, 2005 19:17

Analyte	Result	C
ALUMINUM	22.00	U
CALCIUM	11.30	U
IRON	25.80	U
MAGNESIUM	12.10	U
THALLIUM	6.13	U
VANADIUM	1.36	U

SAMPLE: CCB

File: AVK01B Nov 01, 2005 20:43

Analyte	Result	C
ALUMINUM	64.84	B
CALCIUM	11.30	U
IRON	25.80	U
MAGNESIUM	12.10	U
THALLIUM	6.13	U
VANADIUM	1.36	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** WV5584

Concentration Units: ug/L

SAMPLE: CCB

File: AVK01B Nov 01, 2005 22:02

Analyte	Result	C
ALUMINUM	132.99	B
CALCIUM	11.30	U
IRON	25.80	U
MAGNESIUM	12.10	U
THALLIUM	6.13	U
VANADIUM	1.36	U

SAMPLE: CCB

File: AVK01B Nov 01, 2005 23:28

Analyte	Result	C
ALUMINUM	175.18	B
CALCIUM	-11.56	B
IRON	25.80	U
MAGNESIUM	12.71	B
THALLIUM	6.13	U
VANADIUM	1.36	U

SAMPLE: CCB

File: AVK01B Nov 02, 2005 0:54

Analyte	Result	C
ALUMINUM	208.32	B
CALCIUM	-14.04	B
IRON	25.80	U
MAGNESIUM	12.10	U
THALLIUM	6.13	U
VANADIUM	1.36	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** WV5584

Concentration Units: ug/L

SAMPLE: CCB

File: AVK01B Nov 02, 2005 2:20

Analyte	Result	C
ALUMINUM	195.06	B
CALCIUM	-22.75	B
IRON	25.80	U
MAGNESIUM	12.10	U
THALLIUM	6.13	U
VANADIUM	1.36	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** WV5584

Concentration Units: ug/L

SAMPLE: ICB

File: AVK02A Nov 02, 2005 12:10

Analyte	Result	C
ALUMINUM	22.00	U
ANTIMONY	4.11	U
BARIUM	0.27	U
CALCIUM	11.30	U
CHROMIUM	1.01	U
COBALT	1.12	U
IRON	25.80	U
MAGNESIUM	12.10	U
MOLYBDENUM	2.00	U
NICKEL	1.53	U
SELENIUM	3.59	U
ZINC	0.59	U

SAMPLE: CCB

File: AVK02A Nov 02, 2005 13:00

Analyte	Result	C
ALUMINUM	34.94	B
ANTIMONY	4.11	U
BARIUM	0.27	U
CALCIUM	11.30	U
CHROMIUM	-1.09	B
COBALT	1.12	U
IRON	25.80	U
MAGNESIUM	12.10	U
MOLYBDENUM	2.00	U
NICKEL	1.53	U
SELENIUM	3.59	U
ZINC	0.59	U

SAMPLE: CCB

File: AVK02A Nov 02, 2005 14:35

Analyte	Result	C
ALUMINUM	74.35	B
ANTIMONY	4.11	U
BARIUM	0.27	U
CALCIUM	11.30	U
CHROMIUM	1.01	U
COBALT	1.12	U
IRON	25.80	U
MAGNESIUM	12.10	U
MOLYBDENUM	2.00	U
NICKEL	1.53	U
SELENIUM	3.59	U
ZINC	0.59	U

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** WV5584

Concentration Units: ug/L

SAMPLE: CCB

File: AVK02A Nov 02, 2005 16:01

Analyte	Result	C
ALUMINUM	63.85	B
ANTIMONY	4.11	U
BARIUM	0.27	U
CALCIUM	11.30	U
CHROMIUM	1.01	U
COBALT	1.12	U
IRON	25.80	U
MAGNESIUM	12.10	U
MOLYBDENUM	2.00	U
NICKEL	1.53	U
SELENIUM	3.59	U
ZINC	0.59	U

SAMPLE: CCB

File: AVK02A Nov 02, 2005 17:27

Analyte	Result	C
ALUMINUM	111.25	B
ANTIMONY	4.11	U
BARIUM	0.27	U
CALCIUM	-13.48	B
CHROMIUM	1.01	U
COBALT	1.12	U
IRON	25.80	U
MAGNESIUM	12.10	U
MOLYBDENUM	2.00	U
NICKEL	1.53	U
SELENIUM	3.59	U
ZINC	0.59	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** WV5584

Concentration Units: ug/L

SAMPLE: ICB

File: HVJ24A Oct 24, 2005 15:57

Analyte	Result	C
MERCURY	-0.03	B

SAMPLE: CCB

File: HVJ24A Oct 24, 2005 16:22

Analyte	Result	C
MERCURY	0.02	U

SAMPLE: CCB

File: HVJ24A Oct 24, 2005 16:48

Analyte	Result	C
MERCURY	-0.02	B

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** WV5584

Concentration Units: ug/L

SAMPLE: CCB
File: HVJ24A Oct 24, 2005 17:13

Analyte	Result	C
MERCURY	0.02	U

SAMPLE: CCB
File: HVJ24A Oct 24, 2005 17:39

Analyte	Result	C
MERCURY	-0.03	B

SAMPLE: CCB
File: HVJ24A Oct 24, 2005 17:48

Analyte	Result	C
MERCURY	-0.02	B

5A

SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services **Client Field ID:** SW-17-102005S

Matrix: WATER **SDG Name:** WV5584

Percent Solids: 0.00 **Lab Sample ID:** WV5584-020P

Concentration Units : ug/L

Analyte	Spiked Sample Result	C	Sample Result	C	Spike Added	%R	Q	Control Limits (%R) Low	High	M
ANTIMONY, TOTAL	502.4700		-2.4600	U	500	100.5		75	125	P
ARSENIC, TOTAL	523.2500		2.0500	U	500	104.7		75	125	P
BARIUM, TOTAL	2029.2100		77.4400		2000	97.6		75	125	P
BERYLLIUM, TOTAL	50.2100		-1.1700	U	50	100.4		75	125	P
CADMIUM, TOTAL	247.9300		-0.1600	U	250	99.2		75	125	P
CHROMIUM, TOTAL	213.2300		-1.1500	U	200	106.6		75	125	P
COBALT, TOTAL	514.2900		0.2100	U	500	102.9		75	125	P
COPPER, TOTAL	267.0400		-1.8700	U	250	106.8		75	125	P
LEAD, TOTAL	498.2200		0.0300	U	500	99.6		75	125	P
MERCURY, TOTAL	1.0350		0.0240	B	1	101.1		75	125	CV
MOLYBDENUM, TOTAL	310.5800		-0.9800	U	300	103.5		75	125	P
NICKEL, TOTAL	509.9100		3.7900	B	500	101.2		75	125	P
SELENIUM, TOTAL	474.2400		-1.8100	U	500	94.8		75	125	P
SILVER, TOTAL	50.4300		-1.6800	U	50	100.9		75	125	P
THALLIUM, TOTAL	464.4300		0.3300	U	500	92.9		75	125	P
VANADIUM, TOTAL	457.6500		0.2000	U	500	91.5		75	125	P
ZINC, TOTAL	527.5200		11.1000	B	500	103.3		75	125	P

Comments:

5A

SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services **Client Field ID:** SW-17-102005S

Matrix: WATER **SDG Name:** WV5584

Percent Solids: 0.00 **Lab Sample ID:** WV5584-020S

Concentration Units : ug/L

Analyte	Spiked Sample Result	C	Sample Result	C	Spike Added	%R	Q	Control Limits (%R) Low	High	M
ANTIMONY, TOTAL	491.3600		-2.4600	U	500	98.3		75	125	P
ARSENIC, TOTAL	509.8300		2.0500	U	500	102.0		75	125	P
BARIUM, TOTAL	1996.8800		77.4400		2000	96.0		75	125	P
BERYLLIUM, TOTAL	49.0100		-1.1700	U	50	98.0		75	125	P
CADMIUM, TOTAL	240.9000		-0.1600	U	250	96.4		75	125	P
CHROMIUM, TOTAL	209.9100		-1.1500	U	200	105.0		75	125	P
COBALT, TOTAL	506.2900		0.2100	U	500	101.3		75	125	P
COPPER, TOTAL	264.2800		-1.8700	U	250	105.7		75	125	P
LEAD, TOTAL	485.2100		0.0300	U	500	97.0		75	125	P
MERCURY, TOTAL	0.9410		0.0240	B	1	91.7		75	125	CV
MOLYBDENUM, TOTAL	305.0000		-0.9800	U	300	101.7		75	125	P
NICKEL, TOTAL	500.1400		3.7900	B	500	99.3		75	125	P
SELENIUM, TOTAL	467.3900		-1.8100	U	500	93.5		75	125	P
SILVER, TOTAL	50.4000		-1.6800	U	50	100.8		75	125	P
THALLIUM, TOTAL	446.9100		0.3300	U	500	89.4		75	125	P
VANADIUM, TOTAL	453.7400		0.2000	U	500	90.7		75	125	P
ZINC, TOTAL	518.8500		11.1000	B	500	101.6		75	125	P

Comments:

5A

SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services **Client Field ID:** SW-17-102005S

Matrix: WATER **SDG Name:** WV5584

Percent Solids: 0.00 **Lab Sample ID:** WV5584-021P

Concentration Units : ug/L

Analyte	Spiked Sample Result	C	Sample Result	C	Spike Added	%R	Q	Control Limits (%R) Low	High	M
ANTIMONY, DISSOLVED	538.8300		-0.0100	U	500	107.8		75	125	P
ARSENIC, DISSOLVED	535.9400		3.5500	B	500	106.5		75	125	P
BARIUM, DISSOLVED	2149.0000		81.0600		2000	103.4		75	125	P
BERYLLIUM, DISSOLVED	49.4400		-0.3700	U	50	98.9		75	125	P
CADMIUM, DISSOLVED	249.6400		0.5600	B	250	99.6		75	125	P
CHROMIUM, DISSOLVED	224.9200		1.4500	B	200	111.7		75	125	P
COBALT, DISSOLVED	517.8700		2.3400	B	500	103.1		75	125	P
COPPER, DISSOLVED	269.9500		-1.8100	U	250	108.0		75	125	P
LEAD, DISSOLVED	496.4900		-0.9300	U	500	99.3		75	125	P
MERCURY, DISSOLVED	0.8210		-0.0060	U	1	82.1		75	125	CV
MOLYBDENUM, DISSOLVED	332.7700		2.5300	B	300	110.1		75	125	P
NICKEL, DISSOLVED	519.0000		2.8800	B	500	103.2		75	125	P
SELENIUM, DISSOLVED	506.0700		1.6800	U	500	101.2		75	125	P
SILVER, DISSOLVED	53.3100		0.8400	U	50	106.6		75	125	P
THALLIUM, DISSOLVED	454.1000		1.5300	U	500	90.8		75	125	P
VANADIUM, DISSOLVED	435.5300		0.3000	U	500	87.1		75	125	P
ZINC, DISSOLVED	544.4500		9.0900	B	500	107.1		75	125	P

Comments:

5A

SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services **Client Field ID:** SW-17-102005S

Matrix: WATER **SDG Name:** WV5584

Percent Solids: 0.00 **Lab Sample ID:** WV5584-021S

Concentration Units : ug/L

Analyte	Spiked Sample Result	C	Sample Result	C	Spike Added	%R	Q	Control Limits (%R) Low	High	M
ANTIMONY, DISSOLVED	533.4400		-0.0100	U	500	106.7		75	125	P
ARSENIC, DISSOLVED	531.1100		3.5500	B	500	105.5		75	125	P
BARIUM, DISSOLVED	2139.3600		81.0600		2000	102.9		75	125	P
BERYLLIUM, DISSOLVED	48.9200		-0.3700	U	50	97.8		75	125	P
CADMIUM, DISSOLVED	245.4800		0.5600	B	250	98.0		75	125	P
CHROMIUM, DISSOLVED	222.2700		1.4500	B	200	110.4		75	125	P
COBALT, DISSOLVED	512.3300		2.3400	B	500	102.0		75	125	P
COPPER, DISSOLVED	267.0800		-1.8100	U	250	106.8		75	125	P
LEAD, DISSOLVED	484.0300		-0.9300	U	500	96.8		75	125	P
MERCURY, DISSOLVED	0.8270		-0.0060	U	1	82.7		75	125	CV
MOLYBDENUM, DISSOLVED	328.5300		2.5300	B	300	108.7		75	125	P
NICKEL, DISSOLVED	515.1400		2.8800	B	500	102.5		75	125	P
SELENIUM, DISSOLVED	500.7200		1.6800	U	500	100.1		75	125	P
SILVER, DISSOLVED	52.5600		0.8400	U	50	105.1		75	125	P
THALLIUM, DISSOLVED	458.9300		1.5300	U	500	91.8		75	125	P
VANADIUM, DISSOLVED	438.4500		0.3000	U	500	87.7		75	125	P
ZINC, DISSOLVED	541.7400		9.0900	B	500	106.5		75	125	P

Comments:

INSTRUMENT DETECTION LIMITS

Lab Name: Katahdin Analytical Services **Instrument Code:** A

Instrument Name: TJA TRACE ICP **Date:** 10/3/05

Concentration Units: ug/L

Analyte	CRDL	IDL	M
ANTIMONY	8.0	4.11	P
ARSENIC	8.0	3.45	P
BARIUM	5.0	0.27	P
BERYLLIUM	5.0	0.35	P
CADMIUM	10	0.40	P
CHROMIUM	15	1.01	P
COBALT	30	1.12	P
COPPER	25	1.74	P
LEAD	5.0	1.65	P
MOLYBDENUM	100	2.00	P
NICKEL	40	1.53	P
SELENIUM	10	3.59	P
SILVER	15	1.04	P
THALLIUM	15	6.13	P
VANADIUM	25	1.36	P
ZINC	25	0.59	P

INSTRUMENT DETECTION LIMITS

Lab Name: Katahdin Analytical Services **Instrument Code:** H

Instrument Name: CETAC M6100 **Date:** 10/3/05

Concentration Units: ug/L

Analyte	CRDL	IDL	M
MERCURY	0.20	0.02	CV

ICP LINEAR RANGES

Lab Name: Katahdin Analytical Services **Instrument Code:** A

Instrument Name: TJA TRACE ICP **Date:** 11/2/04

Concentration Units: ug/L

Analyte	Integration Time (sec)	Linear Range	M
ALUMINUM	15.00	500000	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	500000	P
CHROMIUM	15.00	20000	P
COBALT	15.00	20000	P
COPPER	15.00	10000	P
IRON	15.00	200000	P
LEAD	15.00	20000	P
MAGNESIUM	15.00	500000	P
MOLYBDENUM	15.00	20000	P
NICKEL	15.00	20000	P
SELENIUM	15.00	20000	P
SILVER	15.00	2500	P
THALLIUM	15.00	20000	P
VANADIUM	15.00	20000	P
ZINC	15.00	10000	P

PREPARATION LOG

Lab Name: Katahdin Analytical Services **QC Batch ID:** VJ25ICW2

Matrix: WATER **SDG Name:** WV5584

Method: P **Prep Date:** 10/25/2005

Client ID	Lab Sample ID	Initial (L)	Final (L)
LCSWVJ25ICW2	LCSWVJ25ICW2	0.05	0.05
PBWVJ25ICW2	PBWVJ25ICW2	0.05	0.05
SW-08-102005	WV5584-002	0.05	0.05
SW-08-102005	WV5584-003	0.05	0.05
SW-09-102005	WV5584-004	0.05	0.05
SW-09-102005	WV5584-005	0.05	0.05
SW-10-102005	WV5584-006	0.05	0.05
SW-10-102005	WV5584-007	0.05	0.05
SW-11-102005	WV5584-008	0.05	0.05
SW-11-102005	WV5584-009	0.05	0.05
SW-12-102005	WV5584-010	0.05	0.05
SW-12-102005	WV5584-011	0.05	0.05
SW-13-102005	WV5584-012	0.05	0.05
SW-13-102005	WV5584-013	0.05	0.05
SW-14-102005	WV5584-014	0.05	0.05
SW-14-102005	WV5584-015	0.05	0.05
SW-15-102005	WV5584-016	0.05	0.05
SW-15-102005	WV5584-017	0.05	0.05
SW-16-102005	WV5584-018	0.05	0.05
SW-16-102005	WV5584-019	0.05	0.05
SW-17-102005	WV5584-020	0.05	0.05
SW-17-102005P	WV5584-020P	0.05	0.05
SW-17-102005S	WV5584-020S	0.05	0.05

PREPARATION LOG

Lab Name: Katahdin Analytical Services **QC Batch ID:** VJ28ICW0

Matrix: WATER **SDG Name:** WV5584

Method: P **Prep Date:** 10/28/2005

Client ID	Lab Sample ID	Initial (L)	Final (L)
LCSWVJ28ICW0	LCSWVJ28ICW0	0.05	0.05
PBWVJ28ICW0	PBWVJ28ICW0	0.05	0.05
SW-17-102005	WV5584-021R	0.05	0.05
SW-17-102005P	WV5584-021RP	0.05	0.05
SW-17-102005S	WV5584-021RS	0.05	0.05

PREPARATION LOG

Lab Name: Katahdin Analytical Services **QC Batch ID:** VJ24HGW0

Matrix: WATER **SDG Name:** WV5584

Method: CV **Prep Date:** 10/24/2005

Client ID	Lab Sample ID	Initial (L)	Final (L)
LCSWVJ24HGW0	LCSWVJ24HGW0	0.025	0.025
PBWVJ24HGW0	PBWVJ24HGW0	0.025	0.025
SW-08-102005	WV5584-002	0.025	0.025
SW-08-102005	WV5584-003	0.025	0.025
SW-09-102005	WV5584-004	0.025	0.025
SW-09-102005	WV5584-005	0.025	0.025
SW-10-102005	WV5584-006	0.025	0.025
SW-10-102005	WV5584-007	0.025	0.025
SW-11-102005	WV5584-008	0.025	0.025
SW-11-102005	WV5584-009	0.025	0.025
SW-12-102005	WV5584-010	0.025	0.025
SW-12-102005	WV5584-011	0.025	0.025
SW-13-102005	WV5584-012	0.025	0.025
SW-13-102005	WV5584-013	0.025	0.025
SW-14-102005	WV5584-014	0.025	0.025
SW-14-102005	WV5584-015	0.025	0.025
SW-15-102005	WV5584-016	0.025	0.025
SW-15-102005	WV5584-017	0.025	0.025
SW-16-102005	WV5584-018	0.025	0.025
SW-16-102005	WV5584-019	0.025	0.025
SW-17-102005	WV5584-020	0.025	0.025
SW-17-102005P	WV5584-020P	0.025	0.025
SW-17-102005S	WV5584-020S	0.025	0.025
SW-17-102005	WV5584-021	0.025	0.025
SW-17-102005P	WV5584-021P	0.025	0.025
SW-17-102005S	WV5584-021S	0.025	0.025

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** WV5584

Instrument ID: TJA TRACE ICP **File Name:** AVJ31A

Date: 10/31/05 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements																
S0		1	12:07	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	Se	Ag	Zn
S1		1	12:14	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	Se	Ag	Zn
AL_IEC		1	12:24	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	Se	Ag	Zn
FE_IEC		1	12:31	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	Se	Ag	Zn
MN_IEC		1	12:38	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	Se	Ag	Zn
IEC		1	12:46	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	Se	Ag	Zn
ICV		1	12:53	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	Se	Ag	Zn
ICB		1	13:00	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	Se	Ag	Zn
PQL		1	13:07	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	Se	Ag	Zn
0.1PPM CA,MG		1	13:14	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	Se	Ag	Zn
CRI		1	13:22	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	Se	Ag	Zn
ICSA		1	13:32	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	Se	Ag	Zn
ICSAB		1	14:00	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	Se	Ag	Zn
CCV		1	14:07	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	Se	Ag	Zn
CCB		1	14:14	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	Se	Ag	Zn
ZZZZZZ		1	14:21																		
ZZZZZZ		1	14:28																		
ZZZZZZ		1	14:35																		
ZZZZZZ		1	14:43																		
ZZZZZZ		1	14:50																		
ZZZZZZ		1	14:57																		
ZZZZZZ		1	15:04																		
ZZZZZZ		1	15:11																		
ZZZZZZ		1	15:18																		
ZZZZZZ		1	15:26																		
CCV		1	15:33	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	Se	Ag	Zn
CCB		1	15:40	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	Se	Ag	Zn
ZZZZZZ		1	15:47																		
ZZZZZZ		1	15:54																		
ZZZZZZ		1	16:01																		
ZZZZZZ		1	16:09																		
LCSWVJ28ICW0		1	16:16		Sb	As	Ba	Be	Cd		Cr	Co	Cu		Pb		Mo	Ni	Se	Ag	Zn
PBWVJ28ICW0		1	16:23		Sb	As	Ba	Be	Cd		Cr	Co	Cu		Pb		Mo	Ni	Se	Ag	Zn
WV5584-021R	SW-17-102005R	1	16:30		Sb	As	Ba	Be	Cd		Cr	Co	Cu		Pb		Mo	Ni	Se	Ag	Zn
WV5584-021RL	SW-17-102005RL	5	16:37		Sb	As	Ba	Be	Cd		Cr	Co	Cu		Pb		Mo	Ni	Se	Ag	Zn
WV5584-021RP	SW-17-102005RP	1	16:44		Sb	As	Ba	Be	Cd		Cr	Co	Cu		Pb		Mo	Ni	Se	Ag	Zn
WV5584-021RS	SW-17-102005RS	1	16:52		Sb	As	Ba	Be	Cd		Cr	Co	Cu		Pb		Mo	Ni	Se	Ag	Zn
CCV		1	16:59	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	Se	Ag	Zn
CCB		1	17:06	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	Se	Ag	Zn
ZZZZZZ		1	17:13																		
ZZZZZZ		1	17:20																		
ZZZZZZ		1	17:28																		
ZZZZZZ		1	17:35																		
ZZZZZZ		1	17:42																		
ZZZZZZ		1	17:49																		
ZZZZZZ		1	17:56																		
CRI		1	18:03	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	Se	Ag	Zn
ICSA		1	18:11	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	Se	Ag	Zn
ICSAB		1	18:18	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	Se	Ag	Zn
CCV		1	18:25	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	Se	Ag	Zn

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** WV5584

Instrument ID: TJA TRACE ICP **File Name:** AVJ31A

Date: 10/31/05 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements
CCB		1	18:32	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mo Ni Se Ag Zn

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** WV5584

Instrument ID: TJA TRACE ICP **File Name:** AVK01A

Date: 11/1/05 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements																		
S0		1	11:09	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	Se	Ag	Tl	V	Zn
S1		1	11:16	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	Se	Ag	Tl	V	Zn
AL_IEC		1	11:26	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	Se	Ag	Tl	V	Zn
FE_IEC		1	11:34	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	Se	Ag	Tl	V	Zn
MN_IEC		1	11:41	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	Se	Ag	Tl	V	Zn
IEC		1	11:48	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	Se	Ag	Tl	V	Zn
ICV		1	11:55	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	Se	Ag	Tl	V	Zn
ICB		1	12:02	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	Se	Ag	Tl	V	Zn
PQL		1	12:10	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	Se	Ag	Tl	V	Zn
0.1PPM CA,MG		1	12:17	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	Se	Ag	Tl	V	Zn
CRI		1	12:24	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	Se	Ag	Tl	V	Zn
ICSA		1	12:34	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	Se	Ag	Tl	V	Zn
ICSAB		1	12:41	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	Se	Ag	Tl	V	Zn
CCV		1	12:48	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	Se	Ag	Tl	V	Zn
CCB		1	12:56	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	Se	Ag	Tl	V	Zn
PBWVJ25ICW2		1	13:08		Sb	As	Ba	Be	Cd		Cr	Co	Cu		Pb		Mo	Ni	Se	Ag	Tl	V	Zn
LCSWVJ25ICW2		1	13:16		Sb	As	Ba	Be	Cd		Cr	Co	Cu		Pb		Mo	Ni	Se	Ag	Tl	V	Zn
WV5584-002	SW-08-102005	1	13:23		Sb	As	Ba	Be	Cd		Cr	Co	Cu		Pb		Mo	Ni	Se	Ag	Tl	V	Zn
WV5584-003	SW-08-102005	1	13:30		Sb	As	Ba	Be	Cd		Cr	Co	Cu		Pb		Mo	Ni	Se	Ag	Tl	V	Zn
WV5584-004	SW-09-102005	1	13:37		Sb	As	Ba	Be	Cd		Cr	Co	Cu		Pb		Mo	Ni	Se	Ag	Tl	V	Zn
WV5584-005	SW-09-102005	1	13:44		Sb	As	Ba	Be	Cd		Cr	Co	Cu		Pb		Mo	Ni	Se	Ag	Tl	V	Zn
WV5584-006	SW-10-102005	1	13:51		Sb	As	Ba	Be	Cd		Cr	Co	Cu		Pb		Mo	Ni	Se	Ag	Tl	V	Zn
WV5584-007	SW-10-102005	1	13:59		Sb	As	Ba	Be	Cd		Cr	Co	Cu		Pb		Mo	Ni	Se	Ag	Tl	V	Zn
WV5584-008	SW-11-102005	1	14:06		Sb	As	Ba	Be	Cd		Cr	Co	Cu		Pb		Mo	Ni	Se	Ag	Tl	V	Zn
WV5584-009	SW-11-102005	1	14:13		Sb	As	Ba	Be	Cd		Cr	Co	Cu		Pb		Mo	Ni	Se	Ag	Tl	V	Zn
CCV		1	14:20	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	Se	Ag	Tl	V	Zn
CCB		1	14:27	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	Se	Ag	Tl	V	Zn
WV5584-010	SW-12-102005	1	14:34		Sb	As	Ba	Be	Cd		Cr	Co	Cu		Pb		Mo	Ni	Se	Ag	Tl	V	Zn
WV5584-011	SW-12-102005	1	14:42		Sb	As	Ba	Be	Cd		Cr	Co	Cu		Pb		Mo	Ni	Se	Ag	Tl	V	Zn
WV5584-012	SW-13-102005	1	14:49		Sb	As	Ba	Be	Cd		Cr	Co	Cu		Pb		Mo	Ni	Se	Ag	Tl	V	Zn
WV5584-013	SW-13-102005	1	14:56		Sb	As	Ba	Be	Cd		Cr	Co	Cu		Pb		Mo	Ni	Se	Ag	Tl	V	Zn
WV5584-014	SW-14-102005	1	15:03		Sb	As	Ba	Be	Cd		Cr	Co	Cu		Pb		Mo	Ni	Se	Ag	Tl	V	Zn
WV5584-015	SW-14-102005	1	15:10		Sb	As	Ba	Be	Cd		Cr	Co	Cu		Pb		Mo	Ni	Se	Ag	Tl	V	Zn
WV5584-016	SW-15-102005	1	15:17		Sb	As	Ba	Be	Cd		Cr	Co	Cu		Pb		Mo	Ni	Se	Ag	Tl	V	Zn
WV5584-017	SW-15-102005	1	15:25		Sb	As	Ba	Be	Cd		Cr	Co	Cu		Pb		Mo	Ni	Se	Ag	Tl	V	Zn
WV5584-018	SW-16-102005	1	15:32		Sb	As	Ba	Be	Cd		Cr	Co	Cu		Pb		Mo	Ni	Se	Ag	Tl	V	Zn
WV5584-019	SW-16-102005	1	15:39		Sb	As	Ba	Be	Cd		Cr	Co	Cu		Pb		Mo	Ni	Se	Ag	Tl	V	Zn
CCV		1	15:46	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	Se	Ag	Tl	V	Zn
CCB		1	15:53	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	Se	Ag	Tl	V	Zn
WV5584-020	SW-17-102005	1	16:00			As		Be	Cd				Cu		Pb					Ag	Tl	V	
WV5584-020L	SW-17-102005L	5	16:08			As		Be	Cd				Cu		Pb					Ag	Tl	V	
WV5584-020S	SW-17-102005S	1	16:15			As		Be	Cd				Cu		Pb					Ag	Tl	V	
WV5584-020P	SW-17-102005P	1	16:22			As		Be	Cd				Cu		Pb					Ag	Tl	V	
WV5584-021R	SW-17-102005R	1	16:29																		Tl	V	
WV5584-021RS	SW-17-102005RS	1	16:36																		Tl	V	
WV5584-021RP	SW-17-102005RP	1	16:43																		Tl	V	
CRI		1	16:51	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	Se	Ag	Tl	V	Zn
ICSA		1	16:58	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	Se	Ag	Tl	V	Zn
ICSAB		1	17:05	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	Se	Ag	Tl	V	Zn
CCV		1	17:12	Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mo	Ni	Se	Ag	Tl	V	Zn

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** WV5584

Instrument ID: TJA TRACE ICP **File Name:** AVK01A

Date: 11/1/05 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements
CCB		1	17:19	Al Sb As Ba Be Cd Ca Cr Co Cu Fe Pb Mg Mo Ni Se Ag Tl V Zn

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** WV5584

Instrument ID: TJA TRACE ICP **File Name:** AVK01B

Date: 11/1/05 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements				
S0		1	18:05	Al	Ca	Fe	Mg	Tl	V
S1		1	18:12	Al	Ca	Fe	Mg	Tl	V
ICV		1	18:19	Al	Ca	Fe	Mg	Tl	V
ICB		1	18:27	Al	Ca	Fe	Mg	Tl	V
PQL		1	18:34	Al	Ca	Fe	Mg	Tl	V
0.1PPM CA,MG		1	18:41	Al	Ca	Fe	Mg	Tl	V
CRI		1	18:48	Al	Ca	Fe	Mg	Tl	V
ICSA		1	18:55	Al	Ca	Fe	Mg	Tl	V
ICSAB		1	19:03	Al	Ca	Fe	Mg	Tl	V
CCV		1	19:10	Al	Ca	Fe	Mg	Tl	V
CCB		1	19:17	Al	Ca	Fe	Mg	Tl	V
ZZZZZZ		1	19:24						
ZZZZZZ		1	19:31						
ZZZZZZ		1	19:38						
ZZZZZZ		1	19:46						
ZZZZZZ		1	19:53						
ZZZZZZ		1	20:00						
ZZZZZZ		1	20:07						
ZZZZZZ		1	20:14						
ZZZZZZ		1	20:21						
ZZZZZZ		5	20:29						
CCV		1	20:36	Al	Ca	Fe	Mg	Tl	V
CCB		1	20:43	Al	Ca	Fe	Mg	Tl	V
ZZZZZZ		1	20:50						
ZZZZZZ		1	20:57						
ZZZZZZ		1	21:04						
ZZZZZZ		1	21:12						
ZZZZZZ		1	21:19						
ZZZZZZ		1	21:26						
CRI		1	21:33	Al	Ca	Fe	Mg	Tl	V
ICSA		1	21:40	Al	Ca	Fe	Mg	Tl	V
ICSAB		1	21:47	Al	Ca	Fe	Mg	Tl	V
CCV		1	21:55	Al	Ca	Fe	Mg	Tl	V
CCB		1	22:02	Al	Ca	Fe	Mg	Tl	V
PBWVJ28ICW0		1	22:09					Tl	V
LCSWVJ28ICW0		1	22:16					Tl	V
WV5584-021RL	SW-17-102005RL	5	22:23					Tl	V
ZZZZZZ		1	22:30						
ZZZZZZ		1	22:38						
ZZZZZZ		1	22:45						
ZZZZZZ		1	22:52						
ZZZZZZ		1	22:59						
ZZZZZZ		1	23:06						
ZZZZZZ		1	23:13						
CCV		1	23:21	Al	Ca	Fe	Mg	Tl	V
CCB		1	23:28	Al	Ca	Fe	Mg	Tl	V
ZZZZZZ		1	23:35						
ZZZZZZ		1	23:42						
ZZZZZZ		1	23:49						
ZZZZZZ		1	23:56						

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** WV5584

Instrument ID: TJA TRACE ICP **File Name:** AVK01B

Date: 11/2/05 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements					
ZZZZZZ		1	0:04						
ZZZZZZ		3	0:11						
ZZZZZZ		1	0:18						
ZZZZZZ		1	0:25						
ZZZZZZ		1	0:32						
ZZZZZZ		1	0:39						
CCV		1	0:47	Al	Ca	Fe	Mg	Tl	V
CCB		1	0:54	Al	Ca	Fe	Mg	Tl	V
ZZZZZZ		1	1:01						
ZZZZZZ		1	1:08						
ZZZZZZ		1	1:15						
ZZZZZZ		1	1:23						
ZZZZZZ		1	1:30						
ZZZZZZ		1	1:37						
ZZZZZZ		1	1:44						
CRI		1	1:51	Al	Ca	Fe	Mg	Tl	V
ICSA		1	1:58	Al	Ca	Fe	Mg	Tl	V
ICSAB		1	2:06	Al	Ca	Fe	Mg	Tl	V
CCV		1	2:13	Al	Ca	Fe	Mg	Tl	V
CCB		1	2:20	Al	Ca	Fe	Mg	Tl	V

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** WV5584

Instrument ID: TJA TRACE ICP **File Name:** AVK02A

Date: 11/2/05 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements								
S0		1	11:17	Al	Sb	Ba	Ca	Cr	Co	Fe	Mg	Mo	Ni	Se	Zn
S1		1	11:24	Al	Sb	Ba	Ca	Cr	Co	Fe	Mg	Mo	Ni	Se	Zn
AL IEC		1	11:34	Al	Sb	Ba	Ca	Cr	Co	Fe	Mg	Mo	Ni	Se	Zn
FE IEC		1	11:41	Al	Sb	Ba	Ca	Cr	Co	Fe	Mg	Mo	Ni	Se	Zn
MN IEC		1	11:48	Al	Sb	Ba	Ca	Cr	Co	Fe	Mg	Mo	Ni	Se	Zn
IEC		1	11:56	Al	Sb	Ba	Ca	Cr	Co	Fe	Mg	Mo	Ni	Se	Zn
ICV		1	12:03	Al	Sb	Ba	Ca	Cr	Co	Fe	Mg	Mo	Ni	Se	Zn
ICB		1	12:10	Al	Sb	Ba	Ca	Cr	Co	Fe	Mg	Mo	Ni	Se	Zn
PQL		1	12:17	Al	Sb	Ba	Ca	Cr	Co	Fe	Mg	Mo	Ni	Se	Zn
0.1PPM CA,MG		1	12:24	Al	Sb	Ba	Ca	Cr	Co	Fe	Mg	Mo	Ni	Se	Zn
CRI		1	12:32	Al	Sb	Ba	Ca	Cr	Co	Fe	Mg	Mo	Ni	Se	Zn
ICSA		1	12:39	Al	Sb	Ba	Ca	Cr	Co	Fe	Mg	Mo	Ni	Se	Zn
ICSAB		1	12:46	Al	Sb	Ba	Ca	Cr	Co	Fe	Mg	Mo	Ni	Se	Zn
CCV		1	12:53	Al	Sb	Ba	Ca	Cr	Co	Fe	Mg	Mo	Ni	Se	Zn
CCB		1	13:00	Al	Sb	Ba	Ca	Cr	Co	Fe	Mg	Mo	Ni	Se	Zn
WV5584-020	SW-17-102005	1	13:07		Sb	Ba		Cr	Co			Mo	Ni	Se	Zn
WV5584-020L	SW-17-102005L	5	13:15		Sb	Ba		Cr	Co			Mo	Ni	Se	Zn
WV5584-020P	SW-17-102005P	1	13:22		Sb	Ba		Cr	Co			Mo	Ni	Se	Zn
WV5584-020S	SW-17-102005S	1	13:29		Sb	Ba		Cr	Co			Mo	Ni	Se	Zn
ZZZZZZ		1	13:36												
ZZZZZZ		1	13:43												
ZZZZZZ		1	13:56												
ZZZZZZ		1	14:03												
ZZZZZZ		1	14:10												
ZZZZZZ		1	14:18												
CCV		1	14:25	Al	Sb	Ba	Ca	Cr	Co	Fe	Mg	Mo	Ni	Se	Zn
CCB		1	14:35	Al	Sb	Ba	Ca	Cr	Co	Fe	Mg	Mo	Ni	Se	Zn
ZZZZZZ		1	14:43												
ZZZZZZ		1	14:50												
ZZZZZZ		1	14:57												
ZZZZZZ		1	15:04												
ZZZZZZ		1	15:11												
ZZZZZZ		1	15:18												
ZZZZZZ		1	15:26												
ZZZZZZ		1	15:33												
ZZZZZZ		1	15:40												
ZZZZZZ		1	15:47												
CCV		1	15:54	Al	Sb	Ba	Ca	Cr	Co	Fe	Mg	Mo	Ni	Se	Zn
CCB		1	16:01	Al	Sb	Ba	Ca	Cr	Co	Fe	Mg	Mo	Ni	Se	Zn
ZZZZZZ		1	16:09												
ZZZZZZ		1	16:16												
ZZZZZZ		1	16:23												
ZZZZZZ		1	16:30												
ZZZZZZ		1	16:37												
ZZZZZZ		1	16:44												
ZZZZZZ		1	16:52												
CRI		1	16:59	Al	Sb	Ba	Ca	Cr	Co	Fe	Mg	Mo	Ni	Se	Zn
ICSA		1	17:06	Al	Sb	Ba	Ca	Cr	Co	Fe	Mg	Mo	Ni	Se	Zn
ICSAB		1	17:13	Al	Sb	Ba	Ca	Cr	Co	Fe	Mg	Mo	Ni	Se	Zn
CCV		1	17:20	Al	Sb	Ba	Ca	Cr	Co	Fe	Mg	Mo	Ni	Se	Zn

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** WV5584

Instrument ID: TJA TRACE ICP **File Name:** AVK02A

Date: 11/2/05 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements										
CCB		1	17:27	Al	Sb	Ba	Ca	Cr	Co	Fe	Mg	Mo	Ni	Se	Zn

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** WV5584

Instrument ID: CETAC M6100 **File Name:** HVJ24A

Date: 10/24/05 **Method:** CV

Lab Sample ID	Client ID	D.F.	Time	Elements
Calibration Blank		1	15:42	Hg
Standard #1 (0.2 p		1	15:44	Hg
Standard #2 (0.5 p		1	15:46	Hg
Standard #3 (1.0 p		1	15:48	Hg
Standard #4 (5.0 p		1	15:50	Hg
Standard #5 (10.0		1	15:52	Hg
ICV		1	15:55	HG
ICB		1	15:57	HG
CRA		1	15:59	HG
ZZZZZZ		1	16:01	
ZZZZZZ		1	16:03	
ZZZZZZ		1	16:05	
ZZZZZZ		1	16:07	
ZZZZZZ		1	16:09	
ZZZZZZ		1	16:11	
ZZZZZZ		1	16:14	
ZZZZZZ		1	16:16	
ZZZZZZ		1	16:18	
CCV		1	16:20	HG
CCB		1	16:22	HG
ZZZZZZ		1	16:24	
ZZZZZZ		1	16:26	
ZZZZZZ		1	16:28	
ZZZZZZ		1	16:31	
ZZZZZZ		1	16:33	
ZZZZZZ		1	16:35	
LCSWVJ24HGW0		1	16:37	HG
PBWVJ24HGW0		1	16:39	HG
WV5584-002	SW-08-102005	1	16:41	HG
WV5584-003	SW-08-102005	1	16:43	HG
CCV		1	16:46	HG
CCB		1	16:48	HG
WV5584-004	SW-09-102005	1	16:50	HG
WV5584-005	SW-09-102005	1	16:52	HG
WV5584-006	SW-10-102005	1	16:54	HG
WV5584-007	SW-10-102005	1	16:56	HG
WV5584-008	SW-11-102005	1	16:58	HG
WV5584-009	SW-11-102005	1	17:00	HG
WV5584-010	SW-12-102005	1	17:03	HG
WV5584-011	SW-12-102005	1	17:05	HG
WV5584-012	SW-13-102005	1	17:07	HG
WV5584-013	SW-13-102005	1	17:09	HG
CCV		1	17:11	HG
CCB		1	17:13	HG
WV5584-014	SW-14-102005	1	17:15	HG
WV5584-015	SW-14-102005	1	17:18	HG
WV5584-016	SW-15-102005	1	17:20	HG
WV5584-017	SW-15-102005	1	17:22	HG
WV5584-018	SW-16-102005	1	17:24	HG
WV5584-019	SW-16-102005	1	17:26	HG

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** WV5584

Instrument ID: CETAC M6100 **File Name:** HVJ24A

Date: 10/24/05 **Method:** CV

Lab Sample ID	Client ID	D.F.	Time	Elements
WV5584-020	SW-17-102005	1	17:28	HG
WV5584-020S	SW-17-102005S	1	17:30	HG
WV5584-020P	SW-17-102005P	1	17:33	HG
WV5584-021	SW-17-102005	1	17:35	HG
CCV		1	17:37	HG
CCB		1	17:39	HG
WV5584-021S	SW-17-102005S	1	17:41	HG
WV5584-021P	SW-17-102005P	1	17:43	HG
CCV		1	17:45	HG
CCB		1	17:48	HG

Quality Control Report

Blank Sample Summary Report

Chromium, Hexavalent

Samp Type	QC Batch	Anal. Method	Anal. Date	Prep. Date	Result	PQL
MBLANK	WG21990	SW846 7196A	21-OCT-05	N/A	U 0.025 mg/L	.025 mg/L

Quality Control Report

Matrix Spike Sample Summary Report

Chromium, Hexavalent

Matrix Spike Sample ID	Sample Type	Original Sample ID	QC Batch	Analysis Date	Result Units	Spike Amount	Sample Result	MS Result	Recovery (%)	Recovery Limit
WG21990-3	MS	WV5584-20	WG21990	21-OCT-05	mg/L	.5	U 0.025	0.49	98	75 - 125
WG21990-4	MSD	WV5584-20	WG21990	21-OCT-05	mg/L	.5	U 0.025	0.50	99	75 - 125

Quality Control Report

Laboratory Control Sample Summary Report

Chromium, Hexavalent

Lab Sample Id	Samp Type	QC Batch	Analysis Date	Prep Date	Units	Spike Amt.	Result	Recovery	Acceptance Range	RPD
WG21990-2	LCS	WG21990	21-OCT-05	N/A	mg/L	.5	0.49	98	80-120	

#1	-.00043	.00118	.00010	.00641	.00023	-.00025	.00020
#2	.00014	.00182	.00012	.00646	-.00026	.00014	.00097

Elem	Zn	Pb	Se	Sb	2068/1	2068/2	2203/1
Units	mg/L	mg/L	mg/L	mg/L			
Avge	.00084	-.00086	.00104	-.00017	.00080	-.00065	.00246
SDev	.00004	.00109	.00045	.00236	.00022	.00364	.00341
%RSD	4.7857	125.96	43.586	1408.8	28.174	561.13	138.31
#1	.00087	-.00163	.00072	.00150	.00064	.00193	.00487
#2	.00081	-.00009	.00136	-.00183	.00096	-.00323	.00005

Elem	2203/2	1960/1	1960/2
Units			
Avge	-.00253	.00295	.00008
SDev	.00333	.00634	.00384
%RSD	131.97	214.94	4600.9
#1	-.00488	.00743	-.00263
#2	-.00017	-.00153	.00280

IntStd	1	2	3	4	5	6	7
Mode	*Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	360.063	--	--	--	--	--	--
Avge	44447	--	--	--	--	--	--
SDev	69.29646	--	--	--	--	--	--
%RSD	.1559081	--	--	--	--	--	--
#1	44496	--	--	--	--	--	--
#2	44398	--	--	--	--	--	--

Method: NONAK Sample Name: WV5584-021R Operator:
Run Time: 10/31/05 16:30:39
Comment: Sample: Diss SW-17-102005
Mode: CONC Corr. Factor: 1

Elem	Al	As	Ba	Be	B	Cd	Ca
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.17591	.00355	.08107	-.00037	.86612	.00056	73.127
SDev	.01557	.00325	.00021	.00015	.00539	.00044	.415
%RSD	8.8515	91.360	.25375	40.875	.62170	77.311	.56807
#1	.18692	.00585	.08092	-.00027	.86993	.00087	73.420
#2	.16490	.00126	.08121	-.00048	.86231	.00026	72.833

Elem	Cr	Co	Cu	Fe	Mg	Mn	Mo
Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
Avge	.00146	.00235	-.00182	.02199	243.62	.38878	.00254
SDev	.00067	.00054	.00067	.03981	1.79	.00103	.00068
%RSD	46.091	23.128	36.820	181.03	.73303	.26378	26.649
#1	.00194	.00273	-.00135	.05013	244.88	.38950	.00206
#2	.00098	.00196	-.00229	-.00616	242.35	.38805	.00302

Elem	Ni	Ag	Sr	Tl	Sn	Ti	V

0.00355 mg/L x 1000 = 3.55 ug/L